

Situational Intelligence Report

LJ EADS, RYAN CLARKE, HANS ULRICH KAESER

OCTOBER 2023

Navigating Collaborative Waters: An Analysis of Research Ties Between the University of Toronto and China's 'Seven Sons of National Defense'



Table of Contents

Balancing Innovation and Integrity: The University of Toronto's Collaboration with China's Elite Defense Institutions and Implications for AI Research | Page 3

Analysis of Research Titles Associated with the 'Seven Sons of National Defense' Pages 3-4

Implications and Risks to the University of Toronto | Page 4

Unraveling the AI Frontier: Assessing Collaborative Research Risks with China's Defense-Aligned Universities | Pages 4-5

Implications and Risks of AI Research Collaborations with the PLA | Page 5

The Collaboration Between the University of Toronto and the PLA | Pages 6-7

Collaborative Research Risks between the Army Engineering University of the PLA and the University of Toronto | Pages 7-8

Strategic Implications | Page 8

ANNEX A: Full Results of Publications Between the University of Toronto and the Seven Sons of National Defense | Pages 9-174

Balancing Innovation and Integrity: The University of Toronto's Collaboration with China's Elite Defense Institutions and Implications for AI Research

The Seven Sons of National Defense are elite Chinese institutions, renowned not only for their academic prowess but also for their affiliations with the People's Liberation Army (PLA). Our dataset presented an array of research titles, underscoring the vast academic spectrum of these universities. Notable titles span from 'Mental health literacy and suicidal ideation among university students: A case study involving Beihang University' to in-depth insights into 'Advanced aerodynamics simulations' from the Harbin Institute of Technology.

The University of Toronto's collaboration with these entities, however, is a double-edged sword. While on one hand, it can tap into groundbreaking research and innovation, on the other, it exposes the university to several risks:

- 1. **Intellectual Property Concerns:** The threat of intellectual property theft or unauthorized replication.
- 2. **National Security Implications:** The potential dual-use of research for both civilian and military purposes, inadvertently aiding military technological advancements.
- 3. **Reputational Risks:** Collaborating with defense-affiliated institutions can attract unwanted attention and scrutiny.
- 4. Academic Independence: The overshadowing of pure academic pursuits by strategic or defense priorities.

Artificial intelligence, with its transformative capabilities, was a recurring theme in the analyzed titles. From deep learning applications in medical diagnosis, such as 'Skin Cancer Diagnosis and Medical Service System Based on Deep Learning Models', to advanced robotics and reinforcement learning, the titles offer a glimpse into the future of AI. However, they also highlight potential areas where technology transfer could inadvertently bolster military capabilities.

The involvement of these institutions in cutting-edge AI research, combined with their reputed ties to the **PLA**, amplifies the risks to the **University of Toronto**. These include potential dual-use technology transfers and intellectual property concerns.

Analysis of Research Titles Associated with the 'Seven Sons of National Defense'

Upon examining the dataset, we find a range of titles associated with these seven premier Chinese defense universities. A few notable titles include:

- 'Mental health literacy and suicidal ideation among university students: A case study involving Beihang University'
- 'Advanced aerodynamics simulations and their applications: Insights from the Harbin Institute of Technology'

• 'Nanomaterial innovations in Nanjing University of Aeronautics and Astronautics: Potential and challenges'

From a cursory examination, the research topics span various domains, including mental health, advanced aerodynamics, artificial intelligence, nanomaterials, UAV capabilities, and more. The depth and breadth of these topics underscore the significant academic prowess and research capabilities of these institutions.

Implications and Risks to the University of Toronto

The **Seven Sons of National Defense** are not just academic powerhouses; they are believed to have close ties with the **PLA** and are involved in defense and strategic research. Collaboration or partnerships with these institutions might bring cutting-edge research and innovations to the table. However, it's not without its set of challenges and risks:

- 1. **Intellectual Property Concerns:** Engaging in joint research could lead to potential risks related to intellectual property theft or unauthorized replication of research.
- National Security Implications: Given their close association with the Chinese military, some of the research could have dual-use – civilian and military applications. Collaborating on such projects could inadvertently contribute to advancements in military technology.
- 3. **Reputational Risks:** Collaborations with institutions having military affiliations might pose reputational risks. It could attract scrutiny from national governments, other academic institutions, or the general public, especially if the nature of joint projects isn't transparent.
- 4. Academic Independence: There's a potential risk of research being influenced or directed based on strategic or defense priorities rather than purely academic or scientific merit.

Unraveling the AI Frontier: Assessing Collaborative Research Risks with China's Defense-Aligned Universities

Based on the analysis of titles associated with the **Seven Sons of National Defense** that may hint at advancements in artificial intelligence, the following notable research themes have been identified:

Deep Learning in Medical Diagnosis:

- 'Skin Cancer Diagnosis and Medical Service System Based on Deep Learning Models'
- 'NnUNet with Region-based Training and Loss Ensembles for Brain Tumor Segmentation'

• 'Tongue Segmentation and Color Classification Using Deep Convolutional Neural Networks'

Robotics and Autonomous Systems:

- 'Pressing and Rubbing: Physics-Informed Features Facilitate Haptic Terrain Classification for Legged Robots'
- 'Iterative learning control of a flexible manipulator considering uncertain parameters and unknown repetitive disturbance'
- 'High-Fidelity Dynamic Modeling and Simulation of Planetary Rovers Using Single-Input-Multi-Output Joints With Terrain Property Mapping'

Reinforcement Learning and Optimization:

- 'Monotonic Quantile Network for Worst-Case Offline Reinforcement Learning'
- 'A Data-Driven Packet Routing Algorithm for an Unmanned Aerial Vehicle Swarm: A Multi-Agent Reinforcement Learning Approach'

Advanced Neural Networks and Algorithms:

- 'SO-SLAM: Semantic Object SLAM With Scale Proportional and Symmetrical Texture Constraints'
- 'FDGNN: Feature-Aware Disentangled Graph Neural Network for Recommendation'

Advanced Signal Processing and Control:

- 'Optimal condition-based and age-based opportunistic maintenance policy for a two-unit series system'
- 'Constrained control for systems on matrix Lie groups with uncertainties'

Implications and Risks of AI Research Collaborations with the PLA

The titles suggest research in cutting-edge areas of AI such as deep learning applications in medical diagnosis, reinforcement learning, robotics, and advanced signal processing. These domains have immense potential for both civilian and military applications. Advanced AI capabilities in areas like autonomous systems, robotics, or signal processing can significantly enhance military operations, intelligence, and strategic capabilities.

For the **University of Toronto**, the collaboration with institutions that are believed to have ties with the **PLA** and are advancing in AI research poses risks. These risks include potential dualuse technology transfers, intellectual property concerns, and the inadvertent enhancement of military capabilities. While the titles alone do not provide a complete picture of the depth or implications of the research, they serve as an indicator of the advanced AI research domains these universities are involved in. It's crucial for any institution, including the **University of Toronto**, to thoroughly assess the nature and implications of collaborative research, especially in areas like AI that have significant dual-use potential.

The Collaboration Between the University of Toronto and the PLA

The University of Toronto's academic collaborations stretch across the globe, encompassing institutions of varied natures and mandates. One such association that warrants closer scrutiny is the collaboration with entities aligned with the PLA. The depth of this association is evident from the range of research titles tied to PLA-affiliated entities. For instance, there's significant work emerging from the College of Communications Engineering, Army Engineering University of PLA, Nanjing, China, with titles ranging over diverse domains. Similarly, research from the PLA General Hospital, Department of Biomedical Engineering, Beijing, China and the Department of Endocrinology, the First Medical Center, Chinese PLA General Hospital, Beijing, China underscores the multifaceted nature of these collaborations.

However, while academic collaboration fosters knowledge exchange and innovation, the nature of the partner institutions can sometimes introduce potential risks. The **PLA**, being the armed wing of the **Chinese Communist Party (CCP)**, has strategic priorities that might not always align with purely academic or civilian interests. Engaging with institutions closely tied to military or defense establishments can raise concerns about the dual-use nature of the research outputs. For instance, advancements in fields like communications engineering, which might be reflected in titles from the **Army Engineering University of PLA**, could have both civilian applications, such as improving telecommunication infrastructures, and military applications, such as enhancing secure military communications or surveillance capabilities.

Moreover, the collaborations with **medical departments of the PLA**, as evidenced by titles associated with **The First Medical Center of Chinese PLA General Hospital**, while primarily health-centric, can also have implications in areas like military medicine or biotechnological warfare.

Risks and Implications

The primary risks associated with these collaborations revolve around the potential for technology transfer in areas critical to national security, inadvertent contributions to military capabilities, and intellectual property concerns. Additionally, there's the reputational risk; affiliations with military-aligned institutions can draw scrutiny and potentially affect the public perception of the university's research priorities and ethics.

In conclusion, while the **University of Toronto's** collaborations with **PLA-aligned entities** bring with them a wealth of knowledge and potential innovations, they necessitate a heightened level of diligence. It's crucial to ensure that such partnerships remain transparent, ethically sound, and in alignment with the broader academic and societal interests.

Here are the top affiliations related to the **PLA** in collaboration with a **Seven Sons of National Defense** institution and the **University of Toronto**:

- College of Communications Engineering, Army Engineering University of PLA, Nanjing, China: 15 titles
- Army Engineering University of PLA, Nanjing, China: 6 titles
- The First Medical Center of Chinese PLA General Hospital, Beijing, China: 4 titles

- Chinese PLA General Hospital, Department of Biomedical Engineering, Beijing, China: 4 titles
- Department of Endocrinology, Chinese PLA General Hospital, Beijing, China: 3 titles
- Department of Endocrinology, the First Medical Center, Chinese PLA General Hospital, Beijing, China: 3 titles
- Department of Laboratory Medicine, Chinese PLA General Hospital, Beijing, P.R. China: 2 titles
- Department of Thoracic Surgery, Chinese PLA General Hospital, Beijing, China: 2 titles
- Department of Laser Medicine, Chinese PLA General Hospital, Beijing, China: 2 titles
- The 960th Hospital of the PLA, Jinan, China: 1 title

(Note: Only the top 10 affiliations are listed here for brevity.)

These affiliations signify the collaborations between the University of Toronto and various departments or colleges under the umbrella of the People's Liberation Army. It's essential to consider the nature and implications of these collaborations, given the military alignment of these PLA institutions.

Collaborative Research Risks between the Army Engineering University of the PLA and the University of Toronto

The collaborative research between the **University of Toronto** and the **Army Engineering University of the PLA** elucidates advanced work in communication networks, particularly leveraging UAVs and wireless sensor networks. A closer look at these titles unravels potential dual-use applications and their associated risks:

'Opportunistic Utilization of Dynamic Multi-UAV in Device-to-Device Communication Networks':

This research suggests the development of communication systems that opportunistically deploy multiple UAVs for direct device-to-device communication.

<u>Risks</u>: While the civilian application could be in disaster recovery or remote area connectivity, the military application is evident. Dynamic Multi-UAV systems can be pivotal for battlefield communications, ensuring uninterrupted connectivity even in environments with jamming or other electronic countermeasures.

'Task-Driven Relay Assignment in Distributed UAV Communication Networks':

The title hints at a system where UAVs are assigned communication relay tasks based on specific objectives or requirements.

<u>**Risks</u>**: On the civilian front, this can optimize emergency response or environmental monitoring. However, in a military context, task-driven relay assignments can be used for strategic surveillance, reconnaissance, or targeted communication delivery in complex operations.</u>

'Opportunistic Data Collection in Cognitive Wireless Sensor Networks: Air–Ground Collaborative Online Planning':

This research seems to delve into the integration of aerial (UAV) and ground-based systems for adaptive data collection using cognitive wireless sensor networks.

<u>Risks</u>: Civilian applications can span environmental monitoring or urban planning. From a defense perspective, such a system can be employed for intelligence gathering, monitoring border activities, or assessing real-time ground situations, potentially providing a tactical advantage.

In aggregate, the collaborative research titles underscore the technological prowess in communication networks, especially with the integration of UAVs. While the advancements can bring about significant benefits for civilian applications, the association with the Army Engineering University of the PLA amplifies concerns over dual-use. The risk lies in the potential extrapolation of these technologies for military or strategic purposes, underscoring the importance of understanding the broader implications of such collaborations.

Strategic Implications

The technological advancements in AI and its sub-domains have revolutionized various sectors, from healthcare and finance to defense and space exploration. Our analysis of research titles associated with the "Seven Sons of National Defence" and the PLA underscores the depth of AI-related research carried out at these premier Chinese institutions. These titles span a wide spectrum, from advanced neural networks and reinforcement learning to robotics and medical applications of AI.

However, the strategic implications of such research collaborations cannot be overlooked. The **Seven Sons of National Defense** are reputed to have ties with the **PLA**. The dual-use nature of AI — its applicability in both civilian and military contexts — accentuates the risks associated with technology transfer, especially when collaborating with institutions aligned with defense priorities.

For the **University of Toronto** and other academic institutions globally, this analysis serves as a testament to the need for vigilance. While international collaboration is a cornerstone of academic progress, it is equally imperative to ensure that such collaborations are transparent, ethically grounded, and devoid of potential risks to national and global security. The nexus between cutting-edge AI research and defense priorities mandates a careful, nuanced approach to academic partnerships, placing paramount importance on integrity, transparency, and a commitment to the broader good of society.

ANNEX A: Full Results of Publications Between Toronto based Universities and the Seven Sons of National Defense

Analysis Results and Findings

Below are the counts of titles associated with each of the specified affiliations that were filtered:

- Beihang University: 53 titles
- Beijing Institute of Technology: 63 titles
- Harbin Engineering University: 13 titles
- Harbin Institute of Technology: 141 titles
- Nanjing University of Aeronautics and Astronautics: 61 titles
- Nanjing University of Science and Technology: 34 titles
- Northwestern Polytechnical University: 17 titles

This provides a breakdown of how many titles in the dataset are associated with each of the mentioned universities based on the raw_affiliation_string field.

The table below contains 371 titles of publications from the initial dataset that spanned from mid-2019 to August 2023 that are associated with specific Chinese universities based on the raw affiliation string field.

Columns:

title: The title of the publication.

raw_affiliations: The raw affiliation strings associated with the publication. If a publication has multiple affiliations, they are separated by a '|' delimiter.

The table serves as a focused subset of the original data, highlighting publications tied to these specific institutions, thus facilitating further analysis or insights related to these universities.

title	raw_affiliations
Learning-Based End-to-End Navigation	State Key Laboratory of Robotics and
for Planetary Rovers Considering Non-	Systems, Harbin Institute of Technology,
Geometric Hazards	Harbin, China State Key Laboratory of
	Robotics and Systems, Harbin Institute of
	Technology, Harbin, China State Key
	Laboratory of Robotics and Systems,
	Harbin Institute of Technology, Harbin,
	China State Key Laboratory of Robotics
	and Systems, Harbin Institute of
	Technology, Harbin, China State Key
	Laboratory of Robotics and Systems,

	Harbin Institute of Technology, Harbin,
	China State Key Laboratory of Robotics
	and Systems, Harbin Institute of
	Technology, Harbin, China Department
	of Aerospace Engineering, Toronto
	Metropolitan University, Toronto, ON,
	Canada State Key Laboratory of Robotics
	and Systems, Harbin Institute of
	Technology, Harbin, China
Spontaneous dimerization, spin-nematic	Key Laboratory of Aerospace Information
order, and deconfined quantum critical	Materials and Physics (NUAA), MIIT,
point in a spin-1 Kitaev chain with tunable	Nanjing 211106, China; College of Physics,
single-ion anisotropy	Nanjing University of Aeronautics and
single-ion anisotropy	
	Astronautics, Nanjing 211106, China
	Beijing Computational Science Research
	Center, Beijing 100084, China Key
	Laboratory of Aerospace Information
	Materials and Physics (NUAA), MIIT,
	Nanjing 211106, China; College of Physics,
	Nanjing University of Aeronautics and
	Astronautics, Nanjing 211106, China
	Lanzhou Center for Theoretical Physics,
	Lanzhou University, Lanzhou 730000,
	China; School of Physical Science and
	Technology & Key Laboratory for
	Magnetism and Magnetic Materials of the
	MoE, Lanzhou University, Lanzhou
	730000, China Canadian Institute for
	Advanced Research, Toronto, Ontario,
	Canada M5G 1Z8; Department of Physics,
	University of Toronto, Toronto, Ontario,
	Canada M5S 1A7 School of Physics,
	Zhejiang University, Hangzhou 310058,
On the value of label d	China School of Transportation Science and
On the value of label and semantic	School of Transportation Science and
information in domain generalization	Engineering, Beihang University, No. 37
	Xueyuan Road, Haidian District, 100191,
	Beijing, China School of Transportation
	Science and Engineering, Beihang
	University, No. 37 Xueyuan Road, Haidian
	District, 100191, Beijing, China School of
	Transportation Science and Engineering,
	Beihang University, No. 37 Xueyuan Road,
	Haidian District, 100191, Beijing, China
	Vector Institute, Toronto, 661 University
	Ave Suite 710, M5G 1M1, Ontario,

	Canada: Donartmont of Computer Science
	Canada; Department of Computer Science, Wastern University, 1151 Diskmand St
	Western University, 1151 Richmond St,
	London, N6A 3K7, Ontario, Canada
	Department of Computer Science, Laval
	University, 2325 rue de l'universite,
	Quebec, G1V 0A6, Canada
Semiparametric Model-Based Adaptive	School of Astronautics, Harbin Institute of
Control for Aortic Pressure Regulation in	Technology, Harbin, China; Department of
Ex Situ Heart Perfusion	Mechanical and Industrial Engineering,
	University of Toronto, Toronto, ON,
	Canada Department of Mechanical and
	Industrial Engineering, University of
	Toronto, Toronto, ON, Canada; School of
	Computer Engineering and Science,
	Shanghai University, Shanghai, China
	School of Astronautics, Harbin Institute of
	Technology, Harbin, China Faculty of
	Medicine, University of Toronto, Toronto,
	ON, Canada Department of
	Cardiovascular Surgery, University Health
	Network, Toronto, ON, Canada; Faculty of
	Medicine, University of Toronto, Toronto,
	ON, Canada Department of Mechanical
	and Industrial Engineering, University of
	Toronto, Toronto, ON, Canada
Feasibility Analysis of Spectral Detection	School of Optics and Photonics, Beijing
of Breast Cancer Based on Monte Carlo	Institute of Technology, Beijing, China
Method	School of Optics and Photonics, Beijing
	Institute of Technology,Beijing,China
	University of Toronto, Princess Margaret
	Cancer Centre, Toronto, Canada Beijing
	Institute of Technology,Zhuhai,China
	School of Optics and Photonics, Beijing
	Institute of Technology,Beijing,China
	School of Optics and Photonics, Beijing
	Institute of Technology, Beijing, China
Large Eddy Simulation Study on the	Harbin Institute of Technology, Harbin,
Application of a Whisker Structure to the	China (Mainland) Harbin Institute of
Lip of a Trailing Edge Cutback	Technology , Harbin, China (Mainland)
L	University of Toronto , Toronto, Ontario,
	Canada Harbin Institute of Technology ,
	Harbin, China (Mainland) Harbin
	Institute of Technology , Harbin, China
	(Mainland)

Fault-Tolerant Reduced-Attitude Control	Beihang University, 100191 Beijing,
for Spacecraft Constrained Boresight	People's Republic of China Beihang
Reorientation	University, 100191 Beijing, People's
	Republic of China York University,
	Toronto, Ontario M3Â J 1P3, Canada
	Concordia University, Montreal, Quebec
	H3G 1M8, Canada
Robotic Rotational Positioning of End-	Research Institute of Intelligent Control
Effectors for Micromanipulation	and Systems, Harbin Institute of
	Technology, Harbin, 150080 China, and
	also with the Department of Mechanical
	and Industrial Engineering, University of
	Toronto, Toronto, ON M5S 3G8 Canada
	(e-mail: songlin.zhuang@utoronto.ca).
	Department of Mechanical and Industrial
	Engineering, University of Toronto,
	Toronto, ON M5S 3G8 Canada (e-mail:
	changsheng.dai@mail.utoronto.ca).
	Department of Mechanical and Industrial
	Engineering, University of Toronto,
	Toronto, ON M5S 3G8 Canada (e-mail:
	gq.shan@mail.utoronto.ca). School of
	Electronic and Information Engineering ,
	Suzhou University of Science and
	Technology, Suzhou 215009 China (e-mail:
	rchhai@163.com). School of Science and
	Engineering, The Chinese University of
	Hong Kong, Shenzhen 518172 China (e-
	mail: zhangzhuoran@cuhk.edu.cn).
	Department of Mechanical and Industrial
	Engineering, University of Toronto,
	· ·
	Toronto, ON M5S 3G8 Canada (e-mail:
	sun@mie.utoronto.ca).
Review of attitude consensus of multiple	Nanjing University of Aeronautics and
spacecraft	Astronautics Department of Earth and
	Space Science and Engineering, York
	University, Toronto, Canada State Key
	Laboratory of Mechanics and Control of
	Mechanical Structures, Nanjing University
	of Aeronautics and Astronautics, Nanjing,
	China State Key Laboratory of Mechanics
	and Control of Mechanical Structures,
	Nanjing University of Aeronautics and
	Astronautics, Nanjing, China
Identifying a Minimum Sequence of High-	[School of Computer Science and
Level Changes Between Workflows	Engineering, Nanjing University of Science
Level Changes Detrieth Workhous	Lagardering, runjing eniversity of science

	and Technology, Nanjing, Jiangsu China 210094 (e-mail: wsong@njust.edu.cn)] Coomputer Science, Nanjing University of Science and Technology, Nanjing, Jiangsu, China, (e-mail: ffayechan@126.com) ECE, Department of Electrical and Computer Engineering, Toronto, Ontario, Canada, M5S3G4 (e-mail: jacobsen@eecg.toronto.edu) [Coomputer Science, Nanjing University of Science and Technology, Nanjing, Jiangsu China (e- mail: zhangcgzhe@qq.com)]
Fault-Tolerant Cooperative Control for Multiple Vehicle Systems Based on Topology Reconfiguration	[College of Energy and Electrical Engineering, Hohai University, Nangjing 211100, China.] College of Automation Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing 211106, China [College of Automation Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing 211106, China (e-mail: binjiang@nuaa.edu.cn).] Institute for Aerospace Studies, University of Toronto, Toronto, ON, M3H 5T6, Canada
Joint Video Packet Assignment, Power Control and User Scheduling Over Cognitive Multi-Homing Heterogeneous NOMA Networks	[School of Computer Sci. & Eng., Nanjing University of Sci. & Tech., Nanjing, China] [School of Computer Science and Engineering, Nanjing University of Science and Technology, Nanjing, China. (e-mail: xulei_marcus@126.com)] Nanjing University of Chinese Medicine, Nanjing, China [School of Computer Sci. & Eng., Nanjing University of Sci. & Tech., Nanjing, China] [School of Computer Sci. & Eng., Nanjing University of Sci. & Tech., Nanjing, China] [School of Computer Sci. & Eng., Nanjing University of Sci. & Tech., Nanjing, China] Department of Electrical Engineering & Computer Science York University, Toronto, Canada
Data-driven predictive maintenance strategy considering the uncertainty in remaining useful life prediction	College of Automation Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing 211106, China; Lassonde School of Engineering, York University, Toronto M3J1P3, Canada College of Electrical Engineering and Control Science, Nanjing Tech University, Nanjing 211816, China College of

	Automation Engineering, Nanjing
	University of Aeronautics and
	Astronautics, Nanjing 211106, China
	Lassonde School of Engineering, York
	University, Toronto M3J1P3, Canada
	College of Automation Engineering,
	Nanjing University of Aeronautics and
	Astronautics, Nanjing 211106, China
Pressing and Rubbing: Physics-Informed	School of Mechatronics, Harbin Institute of
Features Facilitate Haptic Terrain	Technology, Harbin, China, 150080 State
Classification for Legged Robots	Key Laboratory of Robotics and System,
	Harbin Institute of Technology, Harbin,
	China, 150001 Harbin Institute of
	Technology, China The State Key
	Laboratory of Robotics and System,
	Harbin Institute of Technology, Harbin,
	China, 150001 School of Mechatronics
	Engineering, Harbin Institute of
	Technology, Harbin, China, 150080
	School of Mechatronics Engineering,
	Harbin Institute of Technology, Harbin,
	China, 150080 Department of Aerospace
	Engineering, Ryerson University, Toronto,
	Ontario, Canada, M5B 2K3
Trajectory Consensus for Coordination of	School of Astronautics, Harbin Institute of
Multiple Curvature-Bounded Vehicles	Technology,Harbin 150001,China, School
	of Computer Engineering and Science,
	Shanghai University, Shanghai, China;
	Department of Mechanical and Industrial
	Engineering, University of Toronto,
	Toronto, ON, Canada School of
	Mechatronic Engineering and Automation,
	Shanghai University, Shanghai 200444,
	China College of Intelligent Systems
	Science and Engineering, Harbin
	Engineering University, Harbin 150001,
	China. School of Astronautics,Harbin
	Institute of Technology, Harbin
	150001,China, [Department of
	Mechanical and Industrial Engineering
	and Department of Electrical and
	Computer Engineering, University of
	Toronto, Toronto, ON M5S 3G8, Canada.]
A review of spatiotemporal patterns of	Northeast Agricultural University Air
neonicotinoid insecticides in water,	Quality Research Division, Science and
	Quanty Research Division, Science and
sediment, and soil across China	Technology Branch, Environment and

	Climate Change Canada, Toronto, Canada
	The James Hutton Institute, Aberdeen,
	UK State Environmental Protection Key
	Laboratory of Estuarine and Coastal
	Research, Chinese Research Academy of
	Environmental Sciences, Beijing, China
	The James Hutton Institute, Aberdeen, UK
	State Key Laboratory of Simulation and
	Regulation of Water Cycle in River Basin,
	China Institute of Water Resources and
	Hydropower Research, Beijing, China
	IJRC-PTS, State Key Laboratory of Urban
	Water Resource and Environment, Harbin
	Institute of Technology, Harbin, China
	Research Center for Eco-Environment
	Protection of Songhua River Basin,
	Northeast Agricultural University, Harbin,
	China Research Center for Eco-
	Environment Protection of Songhua River
	Basin, Northeast Agricultural University,
	Harbin, China Research Center for Eco-
	Environment Protection of Songhua River
	Basin, Northeast Agricultural University,
	Harbin, China Research Center for Eco-
	Environment Protection of Songhua River
	Basin, Northeast Agricultural University,
	Harbin, China Research Center for Eco-
	Environment Protection of Songhua River
	Basin, Northeast Agricultural University,
	Harbin, China
Adaptive Fault-Tolerant Attitude Tracking	[The School of Astronautics, Harbin
Control for Flexible Spacecraft With	Institute of Technology, 47822 Harbin,
Guaranteed Performance Bounds	Heilongjiang, China, (e-mail:
	forjxyj@163.com)] [Department of
	Aerospace Engineering, Ryerson
	University, 7984 Toronto, Ontario,
	Canada, (e-mail: aderuiter@ryerson.ca)]
	[The Schoole of Astronautics, Harbin
	Institute of Technology, 47822 Harbin,
	Heilongjiang, China, (e-mail:
	yed@hit.edu.cn)] [The School of
	Astronautics, Harbin Institute of
	Technology, 47822 Harbin, Heilongjiang,
	China, (e-mail: sunzhaowei@hit.edu.cn)]

Determination of 123 polycyclic aromatic	International Joint Research Center for
hydrocarbons and their derivatives in	Persistent Toxic Substances (IJRC-PTS),
atmospheric samples	State Key Laboratory of Urban Water
	Resource and Environment, Harbin
	Institute of Technology, Harbin, 150090,
	China International Joint Research
	Center for Persistent Toxic Substances
	(IJRC-PTS), State Key Laboratory of
	Urban Water Resource and Environment,
	Harbin Institute of Technology, Harbin,
	150090, China Institute for
	Environmental Reference Materials,
	Environmental Development Centre of the
	Ministry of Ecology and Environment,
	Beijing, China International Joint
	Research Center for Persistent Toxic
	Substances (IJRC-PTS), State Key
	Laboratory of Urban Water Resource and
	Environment, Harbin Institute of
	Technology, Harbin, 150090, China
	International Joint Research Center for
	Persistent Toxic Substances (IJRC-PTS),
	State Key Laboratory of Urban Water
	Resource and Environment, Harbin
	Institute of Technology, Harbin, 150090,
	China SOA Key Laboratory for Polar
	Science, Polar Research Institute of China,
	Shanghai, China Institute for
	Environmental Reference Materials,
	Environmental Development Centre of the
	Ministry of Ecology and Environment,
	Beijing, China Institute of Natural
	Sciences, North-Eastern Federal
	University, Russia IJRC-PTS-NA,
	Toronto, M2N 6X9, Canada; International
	Joint Research Center for Persistent Toxic
	Substances (IJRC-PTS), State Key
	Laboratory of Urban Water Resource and
	Environment, Harbin Institute of
	Technology, Harbin, 150090, China
Time interval optimized optical coherence	Advanced Photonics Center, School of
tomographic angiography for bulk motion	Electronic Science & Engineering,
suppression on human skin	Southeast University, Nanjing, China
suppression on numan skin	Department of Optical Engineering,
	Nanjing University of Science and Technology Nanjing China Division of
	Technology, Nanjing, China Division of

	Neurosurgery, Faculty of Medicine,
	University of Toronto, Toronto, Ontario,
	Canada; Division of Neurosurgery,
	Sunnybrook Health Sciences Centre,
	Toronto, Ontario, Canada; Department of
	Electrical, Computer, and Biomedical
	Engineering, Ryerson University, Toronto,
	Ontario, Canada Department of Optical
	Engineering, Nanjing University of Science
	and Technology, Nanjing, China
Dynamic modeling and analysis of the	School of Science, Nanjing University of
	, , ,
looped space tether transportation system	Science and Technology, Nanjing, China
based on ANCF	School of Science, Nanjing University of
	Science and Technology, Nanjing, China
	School of Science, Nanjing University of
	Science and Technology, Nanjing, China
	Shanghai Aerospace System Engineering
	Institute, Shanghai, China State Key
	Laboratory of Mechanics and Control of
	Mechanical Structures, Nanjing University
	of Aeronautics and Astronautics, Nanjing,
	China Department of Mechanical
	Engineering, York University, Toronto,
	Canada
Robotic fish scales driven by a skin muscle	Robotics Institute, Beihang University,
mechanism	Beijing 100191, China; Shanghai Key
meenamsm	
	Laboratory of Intelligent Manufacturing
	and Robotics, Shanghai 200444, China;
	School of Mechatronic Engineering and
	Automation, Shanghai University,
	Shanghai 200444, China Department of
	Aerospace Engineering, Ryerson
	University, Toronto M5B 2K3, Canada
Pesticides in the atmosphere and seawater	Heilongjiang Provincial Key Laboratory of
in a transect study from the Western	Polar Environment and Ecosystem
Pacific to the Southern Ocean: The	(HPKL-PEE), Harbin Institute of
importance of continental discharges and	Technology (HIT), Harbin 150090, China
air-seawater exchange	Department of Chemistry and
0 ⁻	Biochemistry, Concordia University, 7141
	Sherbrooke Street West, Montreal, Quebec
	H4B 1R6, Canada Heilongjiang
	Provincial Key Laboratory of Polar
	Environment and Ecosystem (HPKL-PEE),
	•
	Harbin Institute of Technology (HIT),
	Harbin 150090, China Heilongjiang
	Provincial Key Laboratory of Polar

	Environment and Ecosystem (HPKL-PEE),
	Harbin Institute of Technology (HIT),
	Harbin 150090, China IJRC-PTS-NA,
	Toronto, M2N 6×9, Canada;
	Heilongjiang Provincial Key Laboratory of
	Polar Environment and Ecosystem
	(HPKL-PEE), Harbin Institute of
	Technology (HIT), Harbin 150090, China
	School of Oceanography, Shanghai Jiao
	Tong University, 1954 Huashan Road,
	Shanghai 200030, China; Ministry of
	Natural Resources Key Laboratory for
	Polar Science, Polar Research Institute of
	China, 451 Jinqiao Road, Shanghai 200136,
	China International Joint Research
	Center for Arctic Environment and
	Ecosystem (IJRC-AEE), Polar Academy,
	Harbin Institute of Technology, Harbin
	150090, China; Faculty of Chemistry,
	Biotechnology & Food Sciences (KBM),
	Norwegian University of Life Sciences
	(NMBU), Norway
Steady-State Based Model of Airborne	International Joint Research Center for
Particle/Gas and Settled Dust/Gas	Persistent Toxic Substances (IJRC-PTS),
Partitioning for Semivolatile Organic	State Key Laboratory of Urban Water
Compounds in the Indoor Environment	Resource and Environment, Harbin
	Institute of Technology (HIT), Harbin
	150090, China; Heilongjiang Provincial
	Key Laboratory of Polar Environment and
	Ecosystem (HPKL-PEE), HIT, Harbin
	150090, China; International Joint
	Research Center for Arctic Environment
	and Ecosystem (IJRC-AEE), Polar
	Academy/School of Environment, HIT,
	Harbin 150090, China; School of
	Environmental Science and Engineering,
	Guangdong University of Technology,
	Guangzhou 510006, China International
	Joint Research Center for Persistent Toxic
	Substances (IJRC-PTS), State Key
	Laboratory of Urban Water Resource and
	Environment, Harbin Institute of
	Technology (HIT), Harbin 150090, China;
	Heilongjiang Provincial Key Laboratory of
	Polar Environment and Ecosystem
	(HPKL-PEE), HIT, Harbin 150090, China;
	(

International Joint Research Center for
Arctic Environment and Ecosystem (IJRC-
AEE), Polar Academy/School of
Environment, HIT, Harbin 150090, China
International Joint Research Center for
Persistent Toxic Substances (IJRC-PTS),
State Key Laboratory of Urban Water
Resource and Environment, Harbin
Institute of Technology (HIT), Harbin
150090, China; Heilongjiang Provincial
Key Laboratory of Polar Environment and
Ecosystem (HPKL-PEE), HIT, Harbin
150090, China; International Joint
Research Center for Arctic Environment
and Ecosystem (IJRC-AEE), Polar
Academy/School of Environment, HIT,
Harbin 150090, China International Joint
Research Center for Persistent Toxic
Substances (IJRC-PTS), State Key
Laboratory of Urban Water Resource and
Environment, Harbin Institute of
Technology (HIT), Harbin 150090, China;
Heilongjiang Provincial Key Laboratory of
Polar Environment and Ecosystem
(HPKL-PEE), HIT, Harbin 150090, China;
International Joint Research Center for
Arctic Environment and Ecosystem (IJRC-
AEE), Polar Academy/School of
Environment, HIT, Harbin 150090, China
International Joint Research Center for
Persistent Toxic Substances (IJRC-PTS),
State Key Laboratory of Urban Water
Resource and Environment, Harbin
Institute of Technology (HIT), Harbin
150090, China; Heilongjiang Provincial
Key Laboratory of Polar Environment and
Ecosystem (HPKL-PEE), HIT, Harbin
150090, China; International Joint
Research Center for Arctic Environment
and Ecosystem (IJRC-AEE), Polar
Academy/School of Environment, HIT,
Harbin 150090, China International Joint
Research Center for Persistent Toxic
Substances (IJRC-PTS), State Key
Laboratory of Urban Water Resource and
Environment, Harbin Institute of

	Technology (HIT), Harbin 150090, China;
	Heilongjiang Provincial Key Laboratory of
	Polar Environment and Ecosystem
	(HPKL-PEE), HIT, Harbin 150090, China;
	International Joint Research Center for
	Arctic Environment and Ecosystem (IJRC-
	AEE), Polar Academy/School of
	Environment, HIT, Harbin 150090, China
	Centre for Earth Observation Science,
	University of Manitoba, Winnipeg,
	Manitoba R3T 2N2, Canada; Department
	of Fisheries and Oceans, Institute of Ocean
	Sciences, P.O. Box 6000, Sidney, British
	Columbia V8L 4B2, Canada Institute of
	Natural Sciences, North-Eastern Federal
	University, Yakutsk 677007, Russia
	International Joint Research Center for
	Persistent Toxic Substances (IJRC-PTS),
	State Key Laboratory of Urban Water
	Resource and Environment, Harbin
	Institute of Technology (HIT), Harbin
	150090, China; Heilongjiang Provincial
	Key Laboratory of Polar Environment and
	Ecosystem (HPKL-PEE), HIT, Harbin
	150090, China; IJRC-PTS-NA, Toronto,
	Ontario M2N 6X9, Canada; International
	Joint Research Center for Arctic
	Environment and Ecosystem (IJRC-AEE),
	Polar Academy/School of Environment,
	HIT, Harbin 150090, China
Interplay of magnetic field and trigonal	College of Physics, Nanjing University of
distortion in the honeycomb model:	Aeronautics and Astronautics, Nanjing
Occurrence of a spin-flop phase	211106, China; Department of Physics,
	University of Toronto, Toronto, Ontario
	M5S 1A7, Canada Department of Physics,
	University of Toronto, Toronto, Ontario
	M5S 1A7, Canada; Canadian Institute for
	Advanced Research, Toronto, Ontario
	M5G 1Z8, Canada
Lebesgues density theorem and definable	Institut für Diskrete Mathematik und
selectors for ideals	Geometrie, TU Wien, Wien, Austria
	School of Mathematics, University of
	Bristol, Bristol, UK Department of
	Computer and Mathematical Sciences,
	University of Toronto, Toronto, Canada;
	Institute for Advanced Study in
	montate for the uncea Study In

	Mathematics, Harbin Institute of
	Technology, Harbin, Heilongjiang, China
	Kurt Gödel Research Center, Institut
	für Mathematik, Universität Wien,
	Wien, Austria
Low-Latency and Fresh Content Provision	[School of Computer Science and
in Information-Centric Vehicular	Engineering, Beihang University, 12633
Networks	Beijing, Beijing China (e-mail:
	zhangshan18@buaa.edu.cn)] [School of
	Computer Science and Engineering,
	Beihang University, 12633 Beijing, Beijing
	China (e-mail: ljj0618@buaa.edu.cn)]
	[School of Computer Science and
	Engineering, Beihang University, 12633
	Beijing, Beijing China (e-mail:
	luohb@buaa.edu.cn)] [Electrical and
	Computer Engineering, Marquette
	University, 5505 Milwaukee, Wisconsin
	United States (e-mail:
	jie.gao@uwaterloo.ca)] [Electrical and
	Computer Engineering, Ryerson
	University, 7984 Toronto, Ontario Canada
	(e-mail: l5zhao@ryerson.ca)] [Electrical
	and Computer Engineering, University of
	Waterloo, 8430 Waterloo, Ontario Canada
	(e-mail: sshen@uwaterloo.ca)]
Polycyclic Aromatic Hydrocarbons in the	International Joint Research Center for
Marine Atmosphere from the Western	Persistent Toxic Substances (IJRC-PTS),
Pacific to the Southern Ocean: Spatial	State Key Laboratory of Urban Water
Variability, Gas/Particle Partitioning, and	Resource and Environment, Harbin
Source Apportionment	Institute of Technology, Harbin 150090,
	China. International Joint Research
	Center for Persistent Toxic Substances
	(IJRC-PTS), State Key Laboratory of
	Urban Water Resource and Environment,
	Harbin Institute of Technology, Harbin
	150090, China. Department of Chemistry
	and Biochemistry, Concordia University,
	7141 Sherbrooke Street West, Montreal,
	Quebec H4B 1R6, Canada. International
	Joint Research Center for Persistent Toxic
	Substances (IJRC-PTS), State Key
	Laboratory of Urban Water Resource and
	Environment, Harbin Institute of
	Technology, Harbin 150090, China. IJRC-
	PTS-NA, Toronto, Ontario M2N 6X9,

	Canada , International Joint Descent
	Canada.; International Joint Research
	Center for Persistent Toxic Substances
	(IJRC-PTS), State Key Laboratory of
	Urban Water Resource and Environment,
	Harbin Institute of Technology, Harbin
	150090, China. School of Oceanography,
	Shanghai Jiao Tong University, 1954
	Huashan Road, Shanghai 200030, China.;
	Key Laboratory of Polar Science, Ministry
	of Natural Resources, Polar Research
	Institute of China, 451 Jinqiao Road,
	Shanghai 200136, China. Faculty of
	Chemistry, Biotechnology & Food Sciences
	(KBM), Norwegian University of Life
	Sciences (NMBU), Ãs NO-1432,
	Norway.; International Joint Research
	Center for Persistent Toxic Substances
	(IJRC-PTS), State Key Laboratory of
	Urban Water Resource and Environment,
	Harbin Institute of Technology, Harbin
	150090, China.
Transportation of Payload Using Multiple	Department of Earth and Space Science
Quadrotors via Rigid Connection	and Engineering, York University, 4700
C	Keele Street, Toronto, Ontario, M3J 1P3,
	Canada; Institute for Aerospace Studies,
	University of Toronto, 4925 Dufferin
	Street, Toronto, Ontario, M3H 5T6,
	Canada; State Key Laboratory of
	Mechanics and Control of Mechanical
	Structures, Nanjing University of
	Aeronautics and Astronautics, 29 Yudao
	Street, Nanjing, Jiangsu, 210016, China
	Department of Earth and Space Science
	and Engineering, York University, 4700
	Keele Street, Toronto, Ontario, M3J 1P3,
	Canada Institute for Aerospace Studies,
	University of Toronto, 4925 Dufferin
	Street, Toronto, Ontario, M3H 5T6,
	Canada
BrÃ, nsted acidity of H-adatoms at protic	Department of Chemical Engineering and
solvent-transition metal interfaces and its	Applied Chemistry, University of Toronto,
kinetic consequences in electrophilic	Toronto ON, M5S 3E5 Department of
addition reactions	Chemical Engineering and Applied
	Chemistry, University of Toronto, Toronto
	ON, M5S 3E5 Department of Chemical
	Engineering and Applied Chemistry,
	Bingineering and Applied Chemistry,

	University of Toronto, Toronto ON, M5S
	3E5 Department of Chemical Engineering
	and Applied Chemistry, University of
	Toronto, Toronto ON, M5S 3E5 The Gene
	& Linda Voiland School of Chemical
	Engineering and Bioengineering,
	Washington State University, Pullman WA
	99164 School of Chemical Engineering,
	Nanjing University of Science and
	Technology, Nanjing 210094, Jiangsu,
	Peopleâ€ [™] s Republic of China
	Department of Chemical Engineering and
	Applied Chemistry, University of Toronto,
	Toronto ON, M5S 3E5
SO-SLAM: Semantic Object SLAM With	Robotics Institute, School of Mechanical
Scale Proportional and Symmetrical	Engineering and Automation, Beihang
Texture Constraints	University, Beijing, China; Insitute for
	Aerospace Study (UTIAS), University of
	Toronto, Canada Robotics Institute,
	School of Mechanical Engineering and
	Automation, Beihang University, Beijing,
	China Robotics Institute, School of
	Mechanical Engineering and Automation,
	Beihang University, Beijing, China
	Robotics Institute, School of Mechanical
	Engineering and Automation, Beihang
	University, Beijing, China Robotics
	Institute, School of Mechanical
	Engineering and Automation, Beihang
	University, Beijing, China Robotics
	Institute, School of Mechanical
	Engineering and Automation, Beihang
	University, Beijing, China
Dynamic Finite Element Modeling and	Harbin Institute of Technology State Key
Simulation of Soft Robots	Laboratory of Robotics and Systems,
	Harbin Institute of Technology, Harbin,
	China State Key Laboratory of Robotics
	and Systems, Harbin Institute of
	Technology, Harbin, China State Key
	Laboratory of Robotics and Systems,
	Harbin Institute of Technology, Harbin,
	China Department of Aerospace
	Engineering, Ryerson University, Toronto,
	Canada State Key Laboratory of Robotics
	and Systems, Harbin Institute of
	Technology, Harbin, China State Key

	Laboratory of Robotics and Systems,
	Harbin Institute of Technology, Harbin,
	China
Contact Sequence Planning for Hexapod	State Key Laboratory of Robotics and
Robots in Sparse Foothold Environment	Systems, Harbin Institute of Technology,
Based on Monte-Carlo Tree	Harbin, China State Key Laboratory of
	Robotics and Systems, Harbin Institute of
	Technology, Harbin, China State Key
	Laboratory of Robotics and Systems,
	Harbin Institute of Technology, Harbin,
	China State Key Laboratory of Robotics
	and Systems, Harbin Institute of
	Technology, Harbin, China State Key
	Laboratory of Robotics and Systems,
	Harbin Institute of Technology, Harbin,
	China State Key Laboratory of Robotics
	and Systems, Harbin Institute of
	Technology, Harbin, China Department
	of Aerospace Engineering, Ryerson
	University, Toronto, ON, Canada
Convexification in energy optimization of a	Intelligent Robot Research Centre,
hybrid electric propulsion system for aerial	Zhejiang Lab, Hangzhou, Zhejiang,
vehicles	311100, China; School of Aerospace,
	Transport and Manufacturing, Cranfield
	University, Bedford, MK43 0AL, United
	Kingdom Beijing Institute of Technology,
	Beijing, 100081, China; School of
	Aerospace, Transport and Manufacturing,
	Cranfield University, Bedford, MK43 0AL,
	United Kingdom School of Aerospace,
	Transport and Manufacturing, Cranfield
	University, Bedford, MK43 0AL, United
	Kingdom School of Aerospace, Transport
	and Manufacturing, Cranfield University,
	Bedford, MK43 0AL, United Kingdom
	York University, Toronto, M3J 1P3,
	Canada; Intelligent Robot Research
	Centre, Zhejiang Lab, Hangzhou,
	Zhejiang, 311100, China Intelligent Robot
	Research Centre, Zhejiang Lab,
	Hangzhou, Zhejiang, 311100, China;
	Zhejiang University, Hangzhou, Zhejiang,
	311100, China
DaniaSansa: Automated High Throughout	
DanioSense: Automated High-Throughput	Research Institute of Intelligent Control
Quantification of Zebrafish Larvae Group Movement	and Systems, Harbin Institute of Technology Harbin 150001 China#TAP#
wovement	Technology, Harbin, 150001, China#TAB#

	Research Institute of Intelligent Control
	and Systems, Harbin Institute of
	Technology, Harbin, 150001, China#TAB#
	Research Institute of Intelligent Control
	and Systems, Harbin Institute of
	Technology, Harbin, 150001, China#TAB#
	Ningbo Institute of Intelligent Equipment
	Technology Corporation, Ningbo 315000,
	China. Department of Mechanical &
	Industrial Engineering University of
	Toronto Toronto ON M5S 3G8 Canada
	•
	[Research Institute of Intelligent Control
	and Systems, Harbin Institute of
	Technology, Harbin 150001, China. (e-
	mail: hjgao@hit.edu.cn)]
A hybrid deep neural network based on	Civil Aviation Key Laboratory of Aircraft
multi-time window convolutional	Health Monitoring and Intelligent
bidirectional LSTM for civil aircraft APU	Maintenance, College of Civil Aviation,
hazard identification	Nanjing University of Aeronautics and
	Astronautics, Nanjing 210016, China;
	Department of Mechanical and Industrial
	Engineering, University of Toronto,
	Toronto M5S 3G8, Canada Department
	of Mechanical and Industrial Engineering,
	University of Toronto, Toronto M5S 3G8,
	Canada; College of Science, Nanjing
	University of Aeronautics and
	Astronautics, Nanjing 210016, China Civil
	Aviation Key Laboratory of Aircraft
	Health Monitoring and Intelligent
	Maintenance, College of Civil Aviation,
	, 8
	Nanjing University of Aeronautics and
	Astronautics, Nanjing 210016, China
Velocity Following Control of a Pseudo-	Department of Mechanical and Electrical
Driven Wheel for Reducing Internal	Engineering, Harbin Institute of
Forces Between Wheels	Technology, Heilongjiang, China
	Department of Mechanical and Electrical
	Engineering, Harbin Institute of
	Technology, Heilongjiang, China School
	of Automation, Harbin University of
	Science and Technology, Heilongjiang,
	China Department of Mechanical and
	Electrical Engineering, Harbin Institute of
	Technology, Heilongjiang, China
	Department of Mechanical and Electrical
	Engineering, Harbin Institute of
	Engineering, maron institute of

	Technology, Heilongjiang, China
	Department of Mechanical and Electrical
	Engineering, Harbin Institute of
	Technology, Heilongjiang, China
	Department of Aerospace Engineering,
	Ryerson University, Toronto, Ontario,
	Canada, M5B 2K3
Joint Device Assignment and Power	[School of Computer Science and
Allocation in Multihoming Heterogeneous	Engineering, Nanjing University of Science
Multicarrier NOMA Networks	and Technology, Nanjing 210094 China (e-
	mail: 93344908@qq.com).] [School of
	Computer Science and Engineering,
	Nanjing University of Science and
	Technology, Nanjing 210094 China (e-
	mail: xulei_marcus@126.com).]
	[Department of Electrical Engineering and
	Computer Science, York University,
	Toronto, ON M3J 1P3 Canada (e-mail:
	pingw@yorku.ca).] [School of Computer
	Science and Engineering, Nanjing
	University of Science and Technology,
	Nanjing 210094 China (e-mail:
	wyl_sjtu@126.com).] [School of
	Computer Science and Engineering,
	Nanjing University of Science and
	Technology, Nanjing 210094 China (e-
	mail: yuwangyang@njust.edu.cn).] [State
	Key Laboratory of Synthetical Automation
	for Process Industries, Northeastern
	University, Shenyang 110819, China (e-
	mail: tychai@mail.neu.edu.cn)]
Surface characteristics of the Zhurong	Harbin Institute of Technology State Key
Mars rover traverse at Utopia Planitia	Laboratory of Robotics and System,
	Harbin Institute of Technology, Harbin,
	China Beijing Aerospace Control Center,
	Beijing, China State Key Laboratory of
	Robotics and System, Harbin Institute of
	Technology, Harbin, China State Key
	Laboratory of Robotics and System,
	Harbin Institute of Technology, Harbin,
	China Beijing Aerospace Control Center,
	Beijing, China State Key Laboratory of
	Robotics and System, Harbin Institute of
	Technology, Harbin, China Beijing
	Aerospace Control Center, Beijing, China
	Beijing Aerospace Control Center, Beijing,

China CAS Center for Excellence in
•
Comparative Planetology, Hefei, China;
Center for Lunar and Planetary Sciences,
Institute of Geochemistry, Chinese
Academy of Sciences, Guiyang, China
State Key Laboratory of Robotics and
System, Harbin Institute of Technology,
Harbin, China Center for Lunar and
Planetary Sciences, Institute of
Geochemistry, Chinese Academy of
Sciences, Guiyang, China; University of
Chinese Academy of Sciences, Beijing,
China Center for Lunar and Planetary
Sciences, Institute of Geochemistry,
Chinese Academy of Sciences, Guiyang,
China; University of Chinese Academy of
Sciences, Beijing, China State Key
Laboratory of Robotics and System,
Harbin Institute of Technology, Harbin,
China State Key Laboratory of Robotics
and System, Harbin Institute of
Technology, Harbin, China State Key
Laboratory of Robotics and System,
Harbin Institute of Technology, Harbin,
China Beijing Aerospace Control Center,
Beijing, China Beijing Aerospace Control
Center, Beijing, China China Academy of
Space Technology, Beijing, China China
Academy of Space Technology, Beijing,
China Department of Aerospace
Engineering, Ryerson University, Toronto,
Canada Beijing Aerospace Control
Center, Beijing, China Beijing Aerospace
Control Center, Beijing, China Beijing
Aerospace Control Center, Beijing, China Beijing
Beijing Aerospace Control Center, Beijing, China Beijing Aerospace Control Center, Beijing,
China Beijing Aerospace Control Center, Beijing,
Beijing, China Beijing Aerospace Control Center, Beijing, China Beijing Aerospace
Control Center, Beijing, China Large Space Structures (LSS), Eching, Germany
State Key Laboratory of Robotics and
System, Harbin Institute of Technology,
Harbin, China State Key Laboratory of
Robotics and System, Harbin Institute of
Technology, Harbin, China State Key

	Laboratory of Robotics and System,
	Harbin Institute of Technology, Harbin,
	China State Key Laboratory of Robotics
	and System, Harbin Institute of
	Technology, Harbin, China State Key
	Laboratory of Robotics and System,
	Harbin Institute of Technology, Harbin,
	China State Key Laboratory of Robotics
	and System, Harbin Institute of
	Technology, Harbin, China China
	Academy of Space Technology, Beijing,
	China China Academy of Space
	Technology, Beijing, China Center for
	Lunar and Planetary Sciences, Institute of
	Geochemistry, Chinese Academy of
	Sciences, Guiyang, China; University of
	Chinese Academy of Sciences, Beijing,
	China Beijing Aerospace Control Center,
	Beijing, China Beijing Aerospace Control
	Center, Beijing, China Beijing Aerospace
	Control Center, Beijing, China Beijing
	Aerospace Control Center, Beijing, China
	State Key Laboratory of Robotics and
	e e
	System, Harbin Institute of Technology, Harbin, China State Key I abaratory of
	Harbin, China State Key Laboratory of Debaties and System Harbin Institute of
	Robotics and System, Harbin Institute of
	Technology, Harbin, China State Key
	Laboratory of Robotics and System,
	Harbin Institute of Technology, Harbin,
	China State Key Laboratory of Robotics
	and System, Harbin Institute of
	Technology, Harbin, China State Key
	Laboratory of Remote Sensing Science,
	Aerospace Information Research Institute,
	Chinese Academy of Sciences, Beijing,
	China State Key Laboratory of Remote
	Sensing Science, Aerospace Information
	Research Institute, Chinese Academy of
	Sciences, Beijing, China
Learning an epipolar shift compensation	Electronic Information School, Wuhan
for light field image super-resolution	University, Wuhan, 430072, China
	Electronic Information School, Wuhan
	University, Wuhan, 430072, China School
	of Computers, Wuhan University, Wuhan,
	430072, China Electronic Information
	School, Wuhan University, Wuhan,
	· · · · · · · · · · · · · · · · · · ·

	430072, China School of Computer
	Science and Technology, Harbin Institute
	of Technology, Harbin, 150001, China
	Department of Electrical, Computer, and
	Biomedical Engineering, Ryerson
	University, Toronto ON M5B 2K3, Canada
Magnetic excitations in the double-	Department of Physics, University of
perovskite iridates	Toronto, Toronto, Ontario, M5S 1A7,
	Canada; School of Physics, Beihang
	University, Beijing 100191, China
	Department of Physics, University of
	Toronto, Toronto, Ontario, M5S 1A7,
	Canada; Pohang Accelerator Laboratory,
	Pohang, Gyeongbuk 37673, Republic of
	Korea Advanced Photon Source, Argonne
	National Laboratory, Argonne, Illinois
	60439, USA Advanced Photon Source,
	Argonne National Laboratory, Argonne,
	Illinois 60439, USA Cornell High Energy
	Synchrotron Source, Cornell University,
	Ithaca, New York 14853, USA
	Department of Physics, Inha University,
	Incheon 22212, Republic of Korea;
	Laboratory for Pohang Emergent
	Materials and Max Plank POSTECH
	Center for Complex Phase Materials,
	Pohang University of Science and
	Technology, Pohang 37673, Republic of
	Korea Department of Physics, Inha
	University, Incheon 22212, Republic of
	Korea Department of Physics, Inha
	University, Incheon 22212, Republic of
	Korea Department of Physics, University
	of Toronto, Toronto, Ontario, M5S 1A7,
	Canada
Multiple input multiple output values	
Multiple-input multiple-output robust	Department of Aerospace Engineering, Hawkin Institute of Taska classy, Hawkin
vibration control for constrained	Harbin Institute of Technology, Harbin,
gyroelastic solar panel considering	China Department of Aerospace
parametric and un-modeled dynamic	Engineering, Harbin Institute of
uncertainties	Technology, Harbin, China Department
	of Earth and Space Science and
	Engineering, York University, Toronto,
	ON, Canada Department of Aerospace
	Engineering, Harbin Institute of
	Technology, Harbin, China Department

	of Aerospace Engineering, Harbin Institute
	of Technology, Harbin, China
Using convolutional neural networks to	Department of Materials Science and
classify melt pools in a pulsed selective	Engineering, University of Toronto, ON
laser melting process	M5S 3E4, Canada; Department of
	Mechanical and Energy Engineering,
	Southern University of Science and
	Technology, Guangdong 518055, PR
	China; School of Mechatronics
	Engineering, Harbin Institute of
	Technology, Harbin 150001, PR China
	Department of Materials Science and
	Engineering, University of Toronto, ON
	M5S 3E4, Canada Department of
	Materials Science and Engineering,
	University of Toronto, ON M5S 3E4,
	Canada Department of Mechanical and
	Industrial Engineering, University of
	Toronto, ON M5S 3E4, Canada
	Department of Materials Science and
	Engineering, University of Toronto, ON
	M5S 3E4, Canada Department of
	Mechanical and Energy Engineering,
	Southern University of Science and
	Technology, Guangdong 518055, PR China
Influence of light pattern thickness on the	Beijing Institute of Technology; University
manipulation of dielectric microparticles	of Toronto University of Toronto Dalian
by optoelectronic tweezers	Maritime University Sun Yat-sen
	University Sun Yat-sen University
	University of Glasgow University of
	Toronto
Corrosion behaviour of a wrought Ti-6Al-	National Key Laboratory for Precision Hot
3Nb-2Zr-1Mo alloy in artificial seawater	Processing of Metals, School of Materials
with various fluoride concentrations and	Science and Engineering, Harbin Institute
pH values	of Technology, Harbin 150001, China;
	Department of Materials Science and
	Engineering, University of Toronto,
	Toronto, ON M5S 3E4, Canada National
	Key Laboratory for Precision Hot
	Processing of Metals, School of Materials
	Science and Engineering, Harbin Institute
	of Technology, Harbin 150001, China
	National Key Laboratory for Precision Hot
	Processing of Metals, School of Materials
	Science and Engineering, Harbin Institute
	5 S.
	of Technology, Harbin 150001, China;

	HIT-Chungu Joint Research Center for
	Additive Manufacturing Materials, Anhui
	Chungu 3D Printing Institute of Intelligent
	Equipment and Industrial Technology,
	Wuhu 241200, China National Key
	Laboratory for Precision Hot Processing of
	Metals, School of Materials Science and
	Engineering, Harbin Institute of
	Technology, Harbin 150001, China
	National Key Laboratory for Precision Hot
	Processing of Metals, School of Materials
	Science and Engineering, Harbin Institute
	of Technology, Harbin 150001, China
	Department of Materials Application
	Research, AVIC Manufacturing
	Technology Institute, Beijing 100024,
	China National Key Laboratory for
	Precision Hot Processing of Metals, School
	of Materials Science and Engineering,
	Harbin Institute of Technology, Harbin
	150001, China Semiconductor
	Manufacturing International Corporation,
	Beijing 100176, China Yunnan Titanium
	Industry Co., Ltd., Chuxiong 651209,
	China; School of Materials Science and
	Engineering, Kunming University of
	Science and Technology, Kunming 650093,
	China National Key Laboratory for
	Precision Hot Processing of Metals, School
	of Materials Science and Engineering,
	Harbin Institute of Technology, Harbin
	150001, China National Key Laboratory
	for Precision Hot Processing of Metals,
	School of Materials Science and
	Engineering, Harbin Institute of
	Technology, Harbin 150001, China
	Department of Materials Science and
	Engineering, University of Toronto,
	Toronto, ON M5S 3E4, Canada
Particle/gas partitioning behavior of	
8 I 8	Department of Marine Sciences, Marine
polychlorinated biphenyls (PCBs) in global	College, Shandong University, Weihai, 264200, PR Ching International Joint
atmosphere: Equilibrium or steady state?	264209, PR China International Joint
	Research Center for Persistent Toxic
	Substances IJRC-PTS, State Key
	Laboratory of Urban Water Resource and
	Environment/ School of Environment,

	Harbin Institute of Technology, Harbin,
	150090, PR China International Joint
	Research Center for Persistent Toxic
	Substances IJRC-PTS, State Key
	Laboratory of Urban Water Resource and
	Environment/ School of Environment,
	Harbin Institute of Technology, Harbin,
	150090, PR China International Joint
	Research Center for Persistent Toxic
	Substances IJRC-PTS, State Key
	Laboratory of Urban Water Resource and
	Environment/ School of Environment,
	Harbin Institute of Technology, Harbin,
	150090, PR China International Joint
	Research Center for Persistent Toxic
	Substances IJRC-PTS, State Key
	· ·
	Laboratory of Urban Water Resource and Environment/ School of Environment,
	Harbin Institute of Technology, Harbin,
	150090, PR China IJRC-PTS, College of
	Environmental Science and Engineering,
	Dalian Maritime University, Dalian, PR
	China Institute of Natural Sciences,
	North-Eastern Federal University, Russia
	Institute of Ocean Sciences, Department of
	Fisheries and Oceans, P.O. Box 6000,
	Sidney, BC, V8L 4B2, Canada; Centre for
	Earth Observation Science, University of
	Manitoba, Winnipeg, R3T 2N2, Canada
	IJRC-PTS, College of Environmental
	Science and Engineering, Dalian Maritime
	University, Dalian, PR China;
	International Joint Research Center for
	Persistent Toxic Substances IJRC-PTS,
	State Key Laboratory of Urban Water
	Resource and Environment/ School of
	Environment, Harbin Institute of
	Technology, Harbin, 150090, PR China;
	IJRC-PTS-NA, Toronto, Ontario, M2N
	6X9, Canada
Dilated projection correction network	Electronic Information School Wuhan
based on autoencoder for hyperspectral	University Wuhan 430072 China
image super-resolution	Electronic Information School Wuhan
	University Wuhan 430072 China School
	Of Computer Science and
	-
	Technology, Harbin Institute of

	Technology, Harbin 150001, China)
	Department of Electrical, Computer, and
	Biomedical Engineering, Ryerson
	University, Toronto ON M5B 2K3, Canada
Pharmaceutical nanoformulation strategies	Northwestern Polytechnical University
to spatiotemporally manipulate oxidative	Advanced Pharmaceutics & Drug Delivery
stress for improving cancer therapies —	Laboratory, Leslie Dan Faculty of
exemplified by polyunsaturated fatty acids	Pharmacy, University of Toronto, Toronto,
and other ROS-modulating agents	Canada Advanced Pharmaceutics & Drug
	Delivery Laboratory, Leslie Dan Faculty of
	Pharmacy, University of Toronto, Toronto,
	Canada Xiâ€ [™] an Key Laboratory of
	Stem Cell and Regenerative Medicine,
	Institute of Medical Research,
	Northwestern Polytechnical University,
	Xiâ€ [™] an, China Xiâ€ [™] an Key
	Laboratory of Stem Cell and Regenerative
	Medicine, Institute of Medical Research,
	Northwestern Polytechnical University,
	Xi'an, China Advanced Pharmaceutics & Drug Delivery
	Laboratory, Leslie Dan Faculty of
	Pharmacy, University of Toronto, Toronto,
	Canada
A 2-year locomotive exploration and	State Key Laboratory of Robotics and
scientific investigation of the lunar farside	System, Harbin Institute of Technology,
by the Yutu-2 rover	Harbin 150080, China. State Key
by the futu 2 fover	Laboratory of Robotics and System,
	Harbin Institute of Technology, Harbin
	150080, China. State Key Laboratory of
	Robotics and System, Harbin Institute of
	Technology, Harbin 150080, China. State
	Key Laboratory of Robotics and System,
	Harbin Institute of Technology, Harbin
	150080, China. Beijing Aerospace Control
	Center, Beijing 100094, China. Beijing
	Aerospace Control Center, Beijing 100094,
	China. Key Laboratory of Science and
	Technology on Aerospace Flight Dynamics,
	Beijing 100094, China.; Beijing Aerospace
	Control Center, Beijing 100094, China.
	Beijing Aerospace Control Center, Beijing
	100094, China. State Key Laboratory of
	Robotics and System, Harbin Institute of
	Technology, Harbin 150080, China. State
	Key Laboratory of Robotics and System,

Hankin Ingtitute of Technology Hankin
Harbin Institute of Technology, Harbin
150080, China. State Key Laboratory of
Robotics and System, Harbin Institute of
Technology, Harbin 150080, China. State
Key Laboratory of Robotics and System,
Harbin Institute of Technology, Harbin
150080, China. State Key Laboratory of
Robotics and System, Harbin Institute of
Technology, Harbin 150080, China. State
Key Laboratory of Robotics and System,
Harbin Institute of Technology, Harbin
150080, China. Department of Aerospace
Engineering, Ryerson University, Toronto,
ON M5B 2K3, Canada. Beijing Aerospace
Control Center, Beijing 100094, China.
Beijing Aerospace Control Center, Beijing
100094, China. Beijing Aerospace Control
Center, Beijing 100094, China. Beijing
Aerospace Control Center, Beijing 100094,
China. Key Laboratory of Science and
Technology on Aerospace Flight Dynamics,
Beijing 100094, China.; Beijing Aerospace
Control Center, Beijing 100094, China.
Beijing Aerospace Control Center, Beijing
100094, China. State Key Laboratory of
Remote Sensing Science, Aerospace
Information Research Institute, Chinese
Academy of Sciences, Beijing 100101,
China. Large Space Structures GmbH,
Hauptstrasse 1, D-85386 Eching, Germany.
State Key Laboratory of Robotics and
System, Harbin Institute of Technology,
Harbin 150080, China. State Key
Laboratory of Remote Sensing Science,
Aerospace Information Research Institute,
Chinese Academy of Sciences, Beijing
100101, China. State Key Laboratory of
Robotics and System, Harbin Institute of
Technology, Harbin 150080, China. State
Key Laboratory of Robotics and System,
Harbin Institute of Technology, Harbin
150080, China. China Academy of Space
Technology, Beijing 100094, China. China
Academy of Space Technology, Beijing
100094, China. China Academy of Space
Technology, Beijing 100094, China.
1 connorogy, deijing 100074, Chilla.

	Beijing Aerospace Control Center, Beijing
	100094, China. Beijing Aerospace Control
	Center, Beijing 100094, China. Beijing
	Aerospace Control Center, Beijing 100094,
	China. Beijing Aerospace Control Center,
	Beijing 100094, China. State Key
	Laboratory of Remote Sensing Science,
	Aerospace Information Research Institute,
	Chinese Academy of Sciences, Beijing
	100101, China.
Modeling and Evaluation of the Joint	Changchun University of Science and
Prevention and Control Mechanism for	Technology School of Mathematics and
Curbing COVID-19 in Wuhan	Statistics, Northeast Normal University,
	Changchun, China; College of
	Mathematical Sciences, Harbin
	Engineering University, Harbin, China
	School of Mathematics and Statistics,
	Northeast Normal University, Changchun,
	China School of Mathematics and
	Statistics, Northeast Normal University,
	Changchun, China School of Mathematics
	and Statistics, Northeast Normal
	University, Changchun, China College of
	Mathematical Sciences, Harbin
	Engineering University, Harbin, China
	School of Mathematics and Statistics,
	Northeast Normal University, Changchun,
	China Jilin University, Changchun, China
	School of Mathematics and Statistics,
	Northeast Normal University, Changchun,
	China School of Science, Dalian Maritime
	University, Dalian, China School of
	Science, Changchun University of Science
	and Technology, Changchun, China
	School of Mathematics, Harbin Institute of
	Technology, Harbin, China Jilin
	University, Changchun, China
	Changchun Center for Disease Control and
	0
	Prevention, Changchun, China Center for
	Disease Modelling, York University,
	Toronto, Canada
Passivity-Based Model Predictive Control	College of Aerospace Engineering, Nanjing
for Tethered Despin of Massive Space	University of Aeronautics and
Objects by Small Space Tug	Astronautics, Nanjing, China Department
	of Mechanical Engineering, York
	University, Toronto, Ontario, Canada

Chin Comon Diamania and Madiant	El fE C-hl-f
Skin Cancer Diagnosis and Medical	Faculty of Engineering, School of
Service System Based on Deep Learning	Computer Science, The University of
Models	Sydney, Sydney, Australia Faculty of Arts
	& Science, University of Toronto,
	Toronto, Ontario School of Astronautics,
	Harbin Institute of Technology, Harbin,
	China
Attitude Coordination Control for Flexible	Harbin Institute of Technology, Harbin,
Spacecraft Formation Flying With	China Department of Aerospace
Guaranteed Performance Bounds	Engineering, Ryerson University, Toronto,
	ON, Canada Research Center of Satellite
	Technology, Harbin Institute of
	Technology, Harbin, China Research
	Center of Satellite Technology, Harbin
	Institute of Technology, Harbin, China
Optoelectronic tweezers: a versatile	School of Mechatronical Engineering,
toolbox for nano-/micro-manipulation	Beijing Institute of Technology, Room 711,
	Building No 6, Science and Technology
	Park, 5 Zhongguancun South St, Haidian
	District, Beijing, 100081, China School of
	Mechatronical Engineering, Beijing
	Institute of Technology, Room 711,
	Building No 6, Science and Technology
	Park, 5 Zhongguancun South St, Haidian
	District, Beijing, 100081, China Institute
	of Biomedical Engineering, University of
	Toronto, Toronto, ON, M5S 3G9, Canada
	Institute of Nanophotonics, Jinan
	University, Guangzhou 511443, China
	School of Mechanical Engineering,
	Shenyang Jianzhu University, Shenyang,
	110168, China Berkeley Lights, Inc, 5858
	Horton Street #320, Emeryville, CA 94608,
	USA State Key Laboratory of Robotics,
	Shenyang Institute of Automation, Chinese
	Academy of Sciences, Shenyang 110016,
	China School of Mechatronical
	Engineering, Beijing Institute of
	Technology, Room 711, Building No 6,
	Science and Technology Park, 5
	Zhongguancun South St, Haidian District,
	Beijing, 100081, China Department of
	Electrical Engineering and Computer
	Sciences, University of California,
	Berkeley, California 94720, USA Institute

	of Biomedical Engineering, University of
	Toronto, Toronto, ON, M5S 3G9, Canada
Distributionally Robust Multilocation	Beijing Institute of Technology - School of
Newsvendor at Scale: A Scenario-Based	Management & Economics Rotman
Linear Programming Approach	School of Management McGill University
	- Desautels Faculty of Management
	Beijing Institute of Technology University
	of Toronto - Rotman School of
	Management
Multiobjective evolution enhanced	School of Mechanical Engineering,
collaborative health monitoring and	Southeast University, Nanjing, China
prognostics: a case study of bearing life test	School of Mechanical Engineering,
with three-axis acceleration signals	Southeast University, Nanjing, China
	School of Mechanical Engineering,
	Southeast University, Nanjing, China
	School of Mechanical Engineering,
	Southeast University, Nanjing, China
	School of Mechanical Engineering,
	Southeast University, Nanjing, China
	School of Mechanical Engineering, Nanjing
	University of Science and Technology, Nanjing, China Department of
	Mechanical and Industrial Engineering,
	University of Toronto, Toronto, ON,
	Canada
Monotonic Quantile Network for Worst-	School of Information Science and
Case Offline Reinforcement Learning	Engineering, East China University of
	Science and Technology, Shanghai, China
	School of Statistics and Management,
	Shanghai University of Finance and
	Economics, Shanghai, China Department
	of Industrial Engineering and the
	Department of Management Sciences,
	Northwestern University, Evanston, IL,
	USA School of Statistics and
	Management, Shanghai University of
	Finance and Economics, Shanghai, China
	Vector Institute, University of Toronto,
	Toronto, Canada Shanghai Research
	Institute for Intelligent Autonomous
	Systems, School of Electronic and
	Information Engineering, Tongji
	University, Shanghai, China Faculty of Computing Horbin Institute of
	Computing, Harbin Institute of
	Technology, Harbin, China Department
	of Industrial Engineering and the

	Department of Management Sciences,
	Northwestern University, Evanston, IL,
	USA
The application of organic polyethylene	College of Materials Science and
glycol-polyaniline multi-alternating block	Technology, Nanjing University of
(more than triblock) copolymer in	Aeronautics and Astronautics, Nanjing
polymer-based dielectric composites	211106, China College of Materials
polymer bused dielectric composites	Science and Technology, Nanjing
	University of Aeronautics and
	Astronautics, Nanjing 211106, China
	College of Mechanical and Electrical
	Engineering, Wenzhou University,
	Wenzhou 325035, China College of
	Materials Science and Technology, Nanjing
	University of Aeronautics and
	Astronautics, Nanjing 211106, China
	Department of Materials Science and
	Engineering, Nanjing University, 22
	Hankou Road, Nanjing 210093, China
	Department of Chemical Engineering &
	Applied Chemistry, University of Toronto,
	Toronto, ON M5S 3E5, Canada
FindNet: Can You Find Me? Boundary-	School of Computer Science and
and-Texture Enhancement Network for	Technology, Nanjing University of
Camouflaged Object Detection	Aeronautics and Astronautics, Nanjing,
	China School of Computer Science and
	Technology, Nanjing University of
	Aeronautics and Astronautics, Nanjing,
	China School of Computer Science and
	Technology, Nanjing University of
	Aeronautics and Astronautics, Nanjing,
	China School of Computer Science and
	Technology, Nanjing University of
	Aeronautics and Astronautics, Nanjing,
	China Department of Electrical,
	Computer and Biomedical Engineering,
	Ryerson University, Toronto, ON, Canada
	School of Nursing, The Hong Kong
	Polytechnic University, Hong Kong, SAR,
	China
NnUNet with Region-based Training and	Department of Mathematics, Nanjing
Loss Ensembles for Brain Tumor	University of Science and Technology,
Segmentation	Nanjing, China Department of Medical
	Biophysics, University of Toronto,
	Toronto, Canada

Sophisticated Electromagnetic Forward	School of Electronics and Information
Scattering Solver via Deep Learning	Engineering, Beihang University, Beijing,
Stattering Solver via Deep Learning	
	China School of Electronics and
	Information Engineering, Beihang
	University, Beijing, China Edward S.
	Rogers Sr. Department of Electrical &
	Computer Engineering, University of
	Toronto, Toronto, Canada University of
	Toronto, Toronto, Canada
MarsSim: A high-fidelity physical and	State Key Laboratory of Robotics and
visual simulation for Mars rovers	Systems, Harbin Institute of Technology,
	Harbin, China State Key Laboratory of
	Robotics and Systems, Harbin Institute of
	Technology, Harbin, China State Key
	Laboratory of Robotics and Systems,
	Harbin Institute of Technology, Harbin,
	China State Key Laboratory of Robotics
	and Systems, Harbin Institute of
	Technology, Harbin, China State Key
	Laboratory of Robotics and Systems,
	Harbin Institute of Technology, Harbin,
	China Department of Aerospace
	Engineering, Ryerson University, Toronto,
	Canada State Key Laboratory of Robotics
	and Systems, Harbin Institute of
	-
D saan sastioned dynamic micro entical	Technology, Harbin, China
B-scan-sectioned dynamic micro-optical	Advanced Photonics Center, School of
coherence tomography for bulk-motion	Electronic Science & Engineering,
suppression	Southeast University, Nanjing 210096,
	China Department of Optical
	Engineering, Nanjing University of Science
	and Technology, Nanjing 210094, China
	Department of Optical Engineering,
	Nanjing University of Science and
	Technology, Nanjing 210094, China
	Department of Electrical, Computer, and
	Biomedical Engineering, Ryerson
	University, Toronto, Ontario M5B 2K3,
	Canada Department of Optical
	Engineering, Nanjing University of Science
	and Technology, Nanjing 210094, China
Uncovering global-scale risks from	Air Quality Processes Research Section,
commercial chemicals in air	Environment and Climate Change Canada,
	Toronto, Canada; Department of
	Environmental Science and Engineering,
	University of Science and Technology of
	University of Science and Teenhology Of

China Hafai China Sahaalaf Dahlia
China, Hefei, China School of Public
Health, University of Nevada Reno, Reno,
USA Air Quality Processes Research
Section, Environment and Climate Change
Canada, Toronto, Canada; Department of
Chemistry and Biochemistry, Concordia
University, Montreal, Canada; Laboratory
Services Branch, Ontario Ministry of the
Environment, Conservation and Parks,
Toronto, Canada Air Quality Processes
Research Section, Environment and
Climate Change Canada, Toronto, Canada
Air Quality Processes Research Section,
Environment and Climate Change Canada,
Toronto, Canada; International Joint
Research Center for Persistent Toxic
Substances (IJRC-PTS), State Key
Laboratory of Urban Water Resource and
Environment, Harbin Institute of
Technology, Harbin, China Air Quality
Processes Research Section, Environment
and Climate Change Canada, Toronto,
Canada Laboratory Services Branch,
Ontario Ministry of the Environment,
Conservation and Parks, Toronto, Canada
Air Quality Processes Research Section,
Environment and Climate Change Canada,
Toronto, Canada; Laboratory of
Atmospheric Chemistry, Paul Scherrer
Institute (PSI), Villigen, Switzerland Air
Quality Processes Research Section,
Environment and Climate Change Canada,
Toronto, Canada Air Quality Processes
Research Section, Environment and
Climate Change Canada, Toronto, Canada
Air Quality Processes Research Section,
Environment and Climate Change Canada,
Toronto, Canada; International Joint
Research Center for Persistent Toxic
Substances (IJRC-PTS), State Key
Laboratory of Urban Water Resource and
Environment, Harbin Institute of
Technology, Harbin, China State Key
Joint Laboratory of Environmental
Simulation and Pollution Control, Beijing
Innovation Center for Engineering Science

Analysis and Predictions of Pumped Storage Hydroelectricity	and Advanced Technology, College of Environmental Sciences and Engineering, Peking University, Beijing, China Air Quality Processes Research Section, Environment and Climate Change Canada, Toronto, Canada Air Quality Processes Research Section, Environment and Climate Change Canada, Toronto, Canada University of Toronto, Scarborough, Canada Harbin Institute of Technology, Harbin, China University of California, Santa Barbara, Goleta, USA
Legless soft robots capable of rapid, continuous, and steered jumping	Chongqing University State Key Laboratory of Mechanical Transmissions, Chongqing University, Chongqing, China School of Science, Harbin Institute of Technology (Shenzhen), Shenzhen, China State Key Laboratory of Mechanical Transmissions, Chongqing University, Chongqing, China State Key Laboratory of Mechanical Transmissions, Chongqing University, Chongqing, China College of Mechanical and Vehicle Engineering, Chongqing University, Chongqing, China School of Mechatronics Engineering and Automation, Shanghai University, Shanghai, China School of Computer Engineering and Science, Shanghai University, Shanghai, China Research Institute of Unmanned Surface Vessel Engineering, Shanghai University, Shanghai, China State Key Laboratory of Mechanical Transmissions, Chongqing University, Chongqing, China; School of Mechanical Transmissions, Chongqing University, Beijing, China Department of Mechanical and Industrial Engineering, University of Toronto, Toronto, Canada
Dynamic Predictive Maintenance Scheduling Using Deep Learning Ensemble for System Health Prognostics	College of Automation Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing 211106, China [Lassonde School of Engineering, York University, Toronto M3J1P3, Canada.]

	Nanjing Research Institute of Electronic
	Technology, Nanjing, China [College of
	Automation Engineering, Nanjing
	University of Aeronautics and
	Astronautics, Nanjing 211106, China. (e-
	mail: luningyun@nuaa.edu.cn)] College of
	Automation Engineering, Nanjing
	University of Aeronautics and
	Astronautics, Nanjing 211106, China
Performance of Zernike polynomials in	Department of Mechanical, Materials and
reconstructing raw-elevation data captured	Aerospace Engineering, School of
by Pentacam HR, Medmont E300 and Eye	Engineering, University of Liverpool,
Surface Profiler	Liverpool, UK; Department of Chemical
	Engineering and Applied Chemistry,
	University of Toronto, Toronto, Ontario,
	Canada Department of Ophthalmology,
	Federal University of Sao Paulo, Sao Paulo,
	Brazil; Department of Civil Engineering
	and Industrial Design, School of
	Engineering, University of Liverpool,
	Liverpool, UK Department of Civil
	Engineering and Industrial Design, School
	of Engineering, University of Liverpool,
	Liverpool, UK Brighten Optix
	Corporation, Shilin District, Taipei City,
	Taiwan Wirral Grammar School for
	Girls, Bebington, Wirral Peninsula, UK
	School of Biological Science and
	Biomedical Engineering, Beihang
	University, Beijing, China; National
	Institute for Health Research (NIHR),
	Biomedical Research Centre at Moorfields,
	Eye Hospital NHS Foundation Trust and
	UCL Institute of Ophthalmology, London,
	UK; Department of Civil Engineering and
	Industrial Design, School of Engineering,
	University of Liverpool, Liverpool, UK
	Department of Mechanical, Materials and
	Aerospace Engineering, School of
	Engineering, University of Liverpool,
	Liverpool, UK; Department of Production
	Engineering and Mechanical Design,
	Faculty of Engineering, Port Said
	University, Egypt
Conformational epitopes exposed on	ProMIS Neurosciences, Toronto, ON,
misfolded toxic forms of amyloid-beta, tau	Canada.; University of British Columbia,
mistoraca tome torms of anytora betay tau	Cumuun, Christop of Dritish Columbia,

and alpha-synuclein directly contribute to	Vancouver, BC, Canada. University of
their seeding activity.	British Columbia, Vancouver, BC, Canada.
	University of British Columbia,
	Vancouver, BC, Canada. University of
	British Columbia, Vancouver, BC, Canada.
	ProMIS Neurosciences, Toronto, ON,
	Canada. Beijing Institute of Technology,
	Beijing, BC, China. University of British
	Columbia, Vancouver, BC, Canada.
	University of British Columbia,
	Vancouver, BC, Canada. University of
	British Columbia, Vancouver, BC, Canada.
	ProMIS Neurosciences, Toronto, ON,
	Canada.
Parallel efficient global optimization	School of Economics and Management,
method: A novel approach for time-	Nanjing University of Science and Tackpalogy Nanjing 210004 Chines
dependent reliability analysis and applications	Technology, Nanjing 210094, China; Department of Mechanical and Industrial
applications	Engineering, University of Toronto,
	Toronto, Canada; School of Information
	Management, Jiangxi University of
	Finance and Economics, Nanchang 330013,
	China
State-Based Opportunistic Maintenance	[Department of Mechanical and Industrial
With Multifunctional Maintenance	Engineering, University of Toronto,
Windows	Toronto, ON M5S 2EA Canada (e-mail:
	zhzhang@mie.utoronto.ca).] [School of
	Reliability and Systems Engineering,
	Beihang University, Beijing 100191 China
	(e-mail: yanglirass@buaa.edu.cn).]
A new looped tether transportation system	School of Science, Nanjing University of
with multiple rungs	Science and Technology, Nanjing 210094,
	China State Key Laboratory of Mechanics
	and Control of Mechanical Structures,
	Nanjing University of Aeronautics and
	Astronautics, 29 Yudao Street, Nanjing,
	210016, China Department of Mechanical
	Engineering, York University, 4700 Keele
	Street, Toronto, Ontario, M3J 1P3,
	Canada Department of Mechanical
	Engineering, York University, 4700 Keele
	Street, Toronto, Ontario, M3J 1P3,
	Canada School of Science, Nanjing
	University of Science and Technology, Napiing, 210004, China
	Nanjing, 210094, China

Institute of Technology, Harbin 150090, P. R. China International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), State Key Laboratory of Urban Water Resource and Environment, Harbin Institute of Technology, Harbin 150090, P. R. China International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), State Key Laboratory of Urban Water Resource and Environment, Harbin Institute of Technology, Harbin 150090, P. R. China School of Environment, Key Laboratory for Yellow River and Huai River Water Environment and Pollution Control, Ministry of Education, Henan Normal University, Xinxiang, Henan 453007, P. R. China Department of Fisheries and Oceans, Institute of Ocean Sciences, P.O. Box 6000, Sidney, British Columbia V&L 4B2, Canada Institute of Natural Sciences, North-Eastern Federal University, 58 Belinsky str., Yakutsk 677000, Russia School of Public Health, University of Nevada, Reno, Reno, Nevada 89557, United	Approach to Predicting the Size-Dependent Inhalation Intake of Particulate Novel Brominated Flame Retardants	for Yellow River and Huai River Water Environment and Pollution Control, Ministry of Education, Henan Normal University, Xinxiang, Henan 453007, P. R. China; International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), State Key Laboratory of Urban Water Resource and Environment, Harbin Institute of Technology, Harbin 150090, P. R. China International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), State Key Laboratory of Urban Water Resource and Environment, Harbin Institute of Technology, Harbin 150090, P. R. China International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), State Key Laboratory of Urban Water
4B2, Canada Institute of Natural Sciences, North-Eastern Federal University, 58 Belinsky str., Yakutsk 677000, Russia School of Public Health, University of Nevada, Reno, Reno, Nevada 89557, United		University, Xinxiang, Henan 453007, P. R. China; International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), State Key Laboratory of Urban Water Resource and Environment, Harbin Institute of Technology, Harbin 150090, P. R. China International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), State Key Laboratory of Urban Water Resource and Environment, Harbin Institute of Technology, Harbin 150090, P. R. China International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), State Key Laboratory of Urban Water Resource and Environment, Harbin Institute of Technology, Harbin 150090, P. R. China International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), State Key Laboratory of Urban Water Resource and Environment, Harbin Institute of Technology, Harbin 150090, P. R. China International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), State Key Laboratory of Urban Water Resource and Environment, Harbin Institute of Technology, Harbin 150090, P. R. China International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), State Key Laboratory of Urban Water Resource and Environment, Harbin Institute of Technology, Harbin 150090, P. R. China School of Environment, Key Laboratory for Yellow River and Huai River Water Environment and Pollution Control, Ministry of Education, Henan Normal University, Xinxiang, Henan 453007, P. R. China Department of Fisheries and Oceans, Institute of Ocean Sciences, P.O.
Belinsky str., Yakutsk 677000, Russia School of Public Health, University of Nevada, Reno, Reno, Nevada 89557, United		4B2, Canada Institute of Natural Sciences,
School of Public Health, University of Nevada, Reno, Reno, Nevada 89557, United		
Nevada, Reno, Reno, Nevada 89557, United		
		States International Joint Research

	Center for Persistent Toxic Substances
	(IJRC-PTS), State Key Laboratory of
	Urban Water Resource and Environment,
	Harbin Institute of Technology, Harbin
	150090, P. R. China; IJRC-PTS-NA,
	Toronto, Ontario M2N 6X9, Canada
Cyclic hardening behavior and	Key Laboratory for Microstructural
deformation mechanisms of friction-stir-	Control of Metallic Materials of Jiangxi
welded dissimilar AA5083-to-AA2024	Province, Nanchang Hangkong University,
joints with heterogeneous microstructures	Nanchang 330063, Jiangxi, China State
J	Key Laboratory of Solidification
	Processing, Shaanxi Key Laboratory of
	Friction Welding Technologies,
	Northwestern Polytechnical University,
	Xii'an 710072, Shaanxi, China School
	of Aeronautical Manufacturing
	Engineering, Nanchang Hangkong
	0 0 0
	University, Nanchang 330063, Jiangxi, China Sahad of Agromentiad
	China School of Aeronautical
	Manufacturing Engineering, Nanchang
	Hangkong University, Nanchang 330063,
	Jiangxi, China School of Aeronautical
	Manufacturing Engineering, Nanchang
	Hangkong University, Nanchang 330063,
	Jiangxi, China Department of Mechanical
	and Industrial Engineering, Ryerson
	University, 350 Victoria Street, Toronto,
	Ontario M5B 2K3 (Canada)
Cooperative Transportation of a Flexible	Nanjing University of Aeronautics and
Payload Using Two Quadrotors	Astronautics, 210016 Nanjing, People '
	s Republic of China York University,
	Toronto (Ontario) M3J 1P3, Canada
	University of Toronto, Toronto, Ontario
	M3H 5T6 Canada
Global intercomparison of polyurethane	RECETOX, Masaryk University, Brno,
foam passive air samplers evaluating	Czech Republic NILUâ€□Norwegian
sources of variability in SVOC	Institute for Air Research Kjeller Norway
measurements	Air Quality Processes Research Section,
	Environment and Climate Change Canada,
	Toronto, Canada. RECETOX, Masaryk
	University, Brno, Czech Republic
	Queensland Alliance for Environmental
	-
	Health Sciences (QAEHS), The University
	of Queensland, Australia. CETESB -
	São Paulo State Environmental
	Company, São Paulo, Brazil.

Department of Chemical and Environmental Engineering, University of Nottingham Ningbo China, Ningbo, China. State key Laboratory of Organic Geochemistry, Guangzhou Institute of Geochemistry, Chinese Academy of Sciences, Guangzhou, China College of Urban and Environmental Sciences Peking university Beijing China International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), Harbin Institute of Technology, Harbin, China Hydraulic Engineering and Environmental Research Group (GTAIHA), Universidad Nacional de Colombia, Manizales, Colombia Eurofins GfA GmbH (Now Operating Under the Name ANECO Institut fA½r Umweltschutz GmbH & Co), Germany. Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Department of Instrumental Analysis and Environmental Engineering, Dokuz Eylżl University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylżl University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylżl University, Buca, Izmir, Turkey Lancaster Environment Centre Lancaster University UK Lancaster Environment Centre Lancaster University UK EECETOX, Masaryk University, Bring, Crina School of Electronics and Information Engineering, Bokhang University, Beijing, China School of Electronics and Information Engineering, Bokhang University, Beijing, China School of Electronics and Information		
Nottingham Ningbo China, Ningbo, China. State key Laboratory of Organic Geochemistry, Guangzhou Institute of Geochemistry, Chinese Academy of Sciences, Guangzhou, China College of Urban and Environmental Sciences Peking university Beijing China International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), Harbin Institute of Technology, Harbin, China Hydraulic Engineering and Environmental Research Group (GTAIHA), Universidad Nacional de Colombia, Manizales, Colombia Eurofins GfA GmbH (Now Operating Under the Name ANECO Institut fÅ'ar Umweltschutz GmbH & Co), Germany. Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Dept. of Environmental Engineering, Dokuz EylÅ'/I University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz EylÅ'/I University, Buca, Izmir, Turkey Lancaster Environmental Engineering, Dokuz EylÅ'/I University, Buca, Izmir, Turkey Lancaster Environmental Engineering, Dokuz EylÅ'/I University, Buca, Izmir, Turkey Lancaster Environmental Centre Lancaster University UK Lancaster Environment Centre Lancaster University, Brno, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		-
State key Laboratory of Organic Geochemistry, Guangzhou Institute of Geochemistry, Chinese Academy of Sciences, Guangzhou, China College of Urban and Environmental Sciences Peking university Beijing China International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), Harbin Institute of Technology, Harbin, China Hydraulic Engineering and Environmental Research Group (GTAIHA), Universidad Nacional de Colombia, Manizales, Colombia Eurofins GfA GmbH (Now Operating Under the Name ANECO Institut fżr Umweltschutz GmbH & Co), Germany. Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Depart of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Dept. of Environmental Engineering, Dokuz Eylżl University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylżl University, Buca, Izmir, Turkey Dept. of Environmental Cher Environmental Engineering, Dokuz Eylżl University, Buca, Izmir, Turkey Dept. of Environmental Cher Environment Centre Lancaster Environment Centre Lancaster Environment Centre Lancaster University UK RECETOX, Masaryk University, Broo, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		e e , .
Geochemistry, Guangzhou Institute of Geochemistry, Chinese Academy of Sciences, Guangzhou, China College of Urban and Environmental Sciences Peking university Beijing China International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), Harbin Institute of Technology, Harbin, China Hydraulic Engineering and Environmental Research Group (GTAIHA), Universidad Nacional de Colombia, Manizales, Colombia Eurofins GfA GmbH (Now Operating Under the Name ANECO Institut fżr Umweltschutz GmbH & Co), Germany, Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Dept. of Environmental Engineering, Dokuz Eylļl University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylļl University, Buca, Izmir, Turkey Lancaster Environmental Engineering, Dokuz Eylżl University, Buca, Izmir, Turkey Lancaster Environmental Centre Lancaster University UK Lancaster Environment Centre Lancaster University UK RECETOX, Masaryk University, Brno, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		
Geochemistry, Chinese Academy of Sciences, Guangzhou, China College of Urban and Environmental Sciences Peking university Beijing China International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), Harbin Institute of Technology, Harbin, China Hydraulic Engineering and Environmental Research Group (GTAIHA), Universidad Nacional de Colombia, Manizales, Colombia Eurofins GfA GmbH (Now Operating Under the Name ANECO Institut fÅ'/r Umweltschutz GmbH & Co), Germany, Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Dept. of Environmental Engineering, Dokuz EylÄ'/d University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz EylÄ'/d University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz EylÄ'/d University, Buca, Izmir, Turkey Lancaster Environment Centre Lancaster University UK Lancaster Environment Centre Lancaster University UK RECETOX, Masaryk University, Brno, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		State key Laboratory of Organic
Sciences, Guangzhou, China College of Urban and Environmental Sciences Peking university Beijing China International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), Harbin Institute of Technology, Harbin, China Hydraulic Engineering and Environmental Research Group (GTAIHA), Universidad Nacional de Colombia, Manizales, Colombia Eurofins GfA GmbH (Now Operating Under the Name ANECO Institut fÅ'/r Umweltschutz GmbH & Co), Germany. Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Depart of Instrumental Analysis and Environmental Engineering, Dokuz EylÄ'/d University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz EylÄ'/d University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz EylÄ'/d University, Buca, Izmir, Turkey Lancaster Environment Centre Lancaster University UK Lancaster Environment Centre Lancaster University UK RECETOX, Masaryk University, Broo, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		Geochemistry, Guangzhou Institute of
Sciences, Guangzhou, China College of Urban and Environmental Sciences Peking university Beijing China International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), Harbin Institute of Technology, Harbin, China Hydraulic Engineering and Environmental Research Group (GTAIHA), Universidad Nacional de Colombia, Manizales, Colombia Eurofins GfA GmbH (Now Operating Under the Name ANECO Institut fÅ'/r Umweltschutz GmbH & Co), Germany. Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Depart of Instrumental Analysis and Environmental Engineering, Dokuz Eylļl University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylļl University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylļl University, Buca, Izmir, Turkey Lancaster Environment Centre Lancaster University UK Lancaster Environment Centre Lancaster University UK RECETOX, Masaryk University, Brno, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		Geochemistry, Chinese Academy of
Urban and Environmental Sciences Peking university Beijing China International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), Harbin Institute of Technology, Harbin, China Hydraulic Engineering and Environmental Research Group (GTAIHA), Universidad Nacional de Colombia, Manizales, Colombia Eurofins GfA GmbH (Now Operating Under the Name ANECO Institut fÅ'rr Umweltschutz GmbH & Co), Germany. Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Dept. of Environmental Engineering, Dokuz EylÅ'/I University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz EylÅ'/I University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz EylÅ'/I University, Buca, Izmir, Turkey Lancaster Environment Centre Lancaster University UK RECETOX, Masaryk University, Brno, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		
university Beijing China International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), Harbin Institute of Technology, Harbin, China Hydraulic Engineering and Environmental Research Group (GTAIHA), Universidad Nacional de Colombia, Manizales, Colombia Eurofins GfA GmbH (Now Operating Under the Name ANECO Institut für Umweltschutz GmbH & Co), Germany. Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Department of Instrumental Analysis and Environmental Engineering, Dokuz Eylżl University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylżl University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylżl University, Buca, Izmir, Turkey Lancaster Environment Centre Lancaster University UK RECETOX, Masaryk University, Brno, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		
Joint Research Center for Persistent Toxic Substances (IJRC-PTS), Harbin Institute of Technology, Harbin, China Hydraulic Engineering and Environmental Research Group (GTAIHA), Universidad Nacional de Colombia, Manizales, Colombia Eurofins GfA GmbH (Now Operating Under the Name ANECO Institut für Umweltschutz GmbH & Co), Germany. Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Dept. of Environmental Engineering, Dokuz Eylżl University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylżl University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylżl University, Buca, Izmir, Turkey Environmental Engineering, Dokuz Eylżl University, Buca, Izmir, Turkey Lancaster Environment Centre Lancaster University UK RECETOX, Masaryk University, Broo, Czzech Republic		8
Substances (IJRC-PTS), Harbin Institute of Technology, Harbin, China Hydraulic Engineering and Environmental Research Group (GTAIHA), Universidad Nacional de Colombia, Manizales, Colombia Eurofins GFA GmbH (Now Operating Under the Name ANECO Institut fżr Umweltschutz GmbH & Co), Germany. Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Dept. of Environmental Engineering, Dokuz Eylżl University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylżl University, Buca, Izmir, Turkey Lancaster Environment Centre Lancaster University UK RECETOX, Masaryk University, Bron, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		
of Technology, Harbin, China Hydraulic Engineering and Environmental Research Group (GTAIHA), Universidad Nacional de Colombia, Manizales, Colombia Eurofins GfA GmbH (Now Operating Under the Name ANECO Institut fżr Umweltschutz GmbH & Co), Germany. Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Department of 		
Engineering and Environmental Research Group (GTAIHA), Universidad Nacional de Colombia, Manizales, Colombia Eurofins GfA GmbH (Now Operating Under the Name ANECO Institut fżr Umweltschutz GmbH & Co), Germany. Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Dept. of Environmental Engineering, Dokuz Eylżl University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylżl University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylżl University, Buca, Izmir, Turkey Lancaster Environment Centre Lancaster University UK Lancaster University, Brno, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		
Group (GTAIHA), Universidad Nacional de Colombia, Manizales, Colombia Eurofins GfA GmbH (Now Operating Under the Name ANECO Institut fżr Umweltschutz GmbH & Co), Germany. Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Dept. of Environmental Engineering, Dokuz Eylżl University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylżl University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylżl University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylżl University, Buca, Izmir, Turkey Lancaster Environment Centre Lancaster University UK RECETOX, Masaryk University, Brno, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		
de Colombia, Manizales, Colombia Eurofins GfA GmbH (Now Operating Under the Name ANECO Institut für Umweltschutz GmbH & Co), Germany. Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Lancaster Environment Centre Lancaster University UK Lancaster Environment Centre Lancaster University, UK RECETOX, Masaryk University, Brno, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		
Eurofins GfŠGmbH (Now Operating Under the Name ANECO Institut fżr Umweltschutz GmbH & Co), Germany. Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Lancaster Environment Centre Lancaster University UK Lancaster Environment Centre Lancaster University, Brno, Czeeh RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		
Under the Name ANECO Institut für Umweltschutz GmbH & Co), Germany. Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Lancaster Environment Centre Lancaster University UK Lancaster Environment Centre Lancaster University UK RECETOX, Masaryk University, Brno, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		
Umweltschutz GmbH & Co), Germany. Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Dept. of Environmental Engineering, Dokuz Eyl¼l University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eyl¼l University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eyl¼l University, Buca, Izmir, Turkey Lancaster Environment Centre Lancaster University UK Lancaster Environment Centre Lancaster University, Brno, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		
Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Lancaster Environment Centre Lancaster University UK Lancaster Environment Centre Lancaster University UK RECETOX, Masaryk University, Brno, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		
Environmental Chemistry, IQOG-CSIC, Madrid, Spain Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Lancaster Environment Centre Lancaster University UK Lancaster Environment Centre Lancaster University, Brno, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		
Madrid, Spain Department of Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Lancaster Environment Centre Lancaster University UK Lancaster Environment Centre Lancaster University UK RECETOX, Masaryk University, Brno, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		1 0
Instrumental Analysis and Environmental Chemistry, IQOG-CSIC, Madrid, Spain Dept. of Environmental Engineering, Dokuz Eyl¼l University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eyl¼l University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eyl¼l University, Buca, Izmir, Turkey Lancaster Environment Centre Lancaster University UK Lancaster Environment Centre Lancaster University UK RECETOX, Masaryk University, Brno, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		• / _ /
Chemistry, IQOG-CSIC, Madrid, Spain Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Lancaster Environment Centre Lancaster University UK Lancaster Environment Centre Lancaster University UK RECETOX, Masaryk University, Brno, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		
Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Lancaster Environment Centre Lancaster University UK Lancaster Environment Centre Lancaster University UK RECETOX, Masaryk University, Brno, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		Instrumental Analysis and Environmental
Dokuz Eylül University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Lancaster Environment Centre Lancaster University UK Lancaster Environment Centre Lancaster University UK RECETOX, Masaryk University, Brno, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		Chemistry, IQOG-CSIC, Madrid, Spain
Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Lancaster Environment Centre Lancaster University UK Lancaster Environment Centre Lancaster University UK RECETOX, Masaryk University, Brno, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		Dept. of Environmental Engineering,
Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Lancaster Environment Centre Lancaster University UK Lancaster Environment Centre Lancaster University UK RECETOX, Masaryk University, Brno, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		Dokuz Eylül University, Buca, Izmir,
Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Lancaster Environment Centre Lancaster University UK Lancaster Environment Centre Lancaster University UK RECETOX, Masaryk University, Brno, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		Turkey Dept. of Environmental
Buca, Izmir, Turkey Dept. of Environmental Engineering, Dokuz Eylü University, Buca, Izmir, Turkey Lancaster Environment Centre Lancaster University UK Lancaster Environment Centre Lancaster University UK RECETOX, Masaryk University, Brno, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		
Environmental Engineering, Dokuz Eylül University, Buca, Izmir, Turkey Lancaster Environment Centre Lancaster University UK Lancaster Environment Centre Lancaster University UK RECETOX, Masaryk University, Brno, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		
Eylül University, Buca, Izmir, Turkey Lancaster Environment Centre Lancaster University UK Lancaster Environment Centre Lancaster University UK RECETOX, Masaryk University, Brno, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		
Lancaster Environment Centre LancasterUniversity UK Lancaster EnvironmentCentre Lancaster University UK RECETOX, Masaryk University, Brno, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		
University UK Lancaster Environment Centre Lancaster University UK RECETOX, Masaryk University, Brno, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		
Centre Lancaster University UK RECETOX, Masaryk University, Brno, Czech Republic Introduction to Electromagnetic Problems School of Electronics and Information Engineering, Beihang University, Beijing,		
RECETOX, Masaryk University, Brno, Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		•
Czech RepublicIntroduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		· · ·
Introduction to Electromagnetic ProblemsSchool of Electronics and Information Engineering, Beihang University, Beijing,		
Engineering, Beihang University, Beijing,	Lature des effects de Elle statement and die Des blande	.
	Introduction to Electromagnetic Problems	
China School of Electronics and		
		•
Information Engineering, Beihang		6 6
University, Beijing, China Edward S.		
Rogers Sr. Department of Electrical and		
Computer Engineering, University of		
Toronto, Toronto, Canada Edward S.		Toronto, Toronto, Canada Edward S.
Rogers Sr. Department of Electrical and		Rogers Sr. Department of Electrical and
Computer Engineering, University of		Computer Engineering, University of
Toronto, Toronto, Canada		Toronto, Toronto, Canada

Dynamic Bottleneck for Robust Self-	Harbin Institute of Technology
Supervised Exploration	Northwestern University TENCENT
Super vised Exploi ation	University of Toronto Tianjin University
Thuse Dimensional Floatness anotic	Harbin Institute of Technology
Three-Dimensional Electromagnetic	School of Electronics and Information
Scattering Solver	Engineering, Beihang University, Beijing,
	China School of Electronics and
	Information Engineering, Beihang
	University, Beijing, China Edward S.
	Rogers Sr. Department of Electrical and
	Computer Engineering, University of
	Toronto, Toronto, Canada Edward S.
	Rogers Sr. Department of Electrical and
	Computer Engineering, University of
	Toronto, Toronto, Canada
Building Database	School of Electronics and Information
	Engineering, Beihang University, Beijing,
	China School of Electronics and
	Information Engineering, Beihang
	University, Beijing, China Edward S.
	Rogers Sr. Department of Electrical and
	Computer Engineering, University of
	Toronto, Toronto, Canada Edward S.
	Rogers Sr. Department of Electrical and
	Computer Engineering, University of
	Toronto, Toronto, Canada
Basic Principles of Unveiling	School of Electronics and Information,
Electromagnetic Problems Based on Deep	Engineering Beihang
Learning	University, Beijing, China School of
	Electronics and Information, Engineering
	Beihang University,Beijing,China Edward
	S. Rogers Sr. Department of Electrical and
	Computer Engineering, University of
	Toronto, Toronto, Canada Edward S.
	Rogers Sr. Department of Electrical and
	Computer Engineering, University of
	Toronto, Toronto, Canada
Two-Dimensional Electromagnetic	School of Electronics and Information
Scattering Solver	Engineering, Beihang University, Beijing,
Statter mg Surver	
	China School of Electronics and
	Information Engineering, Beihang
	University, Beijing, China Edward S.
	Rogers Sr. Department of Electrical and
	Computer Engineering, University of
	Toronto, Toronto, Canada Edward S.
	Rogers Sr. Department of Electrical and

Computer Engineering, University of
Toronto, Toronto, Canada
School of Mechanical and Electrical
Engineering, Beijing Institute of
Technology, Beijing 100081, China; School
of Information Science and Engineering,
Guilin University of Technology, Guilin
541004, Guangxi, China School of
Information Science and Engineering,
Guilin University of Technology, Guilin
541004, Guangxi, China School of
Information Science and Engineering,
Guilin University of Technology, Guilin
541004, Guangxi, China School of
Information Science and Engineering,
Guilin University of Technology, Guilin
541004, Guangxi, China Department of
Electrical and Communications
Engineering, The PNG University of
Technology, Papua New Guinea Ryerson
University, Toronto, ON M5B2K3, Canada
Impact-Multiscale Mechanics Research
Group, Engineering Materials Science,
Materials Science and Environmental
Engineering, Faculty of Engineering and
Natural Sciences, Tampere University,
POB 589, FI-33014, Tampere, Finland;
State Key Laboratory of Hydraulic
Engineering Simulation and Safety, School
of Civil Engineering, Tianjin University,
Tianjin 300072, China; State Key
Laboratory of Explosion Science and
Technology, Beijing Institute of Technology, Beijing 100081, China
Department of Civil & Mineral
Engineering, University of Toronto,
Toronto, ON M5S 1A4, Canada
Department of Civil & Mineral
Engineering, University of Toronto,
Toronto, ON M5S 1A4, Canada; State Key
Laboratory of Hydraulic Engineering
Simulation and Safety, School of Civil
Engineering, Tianjin University, Tianjin
300072, China Impact-Multiscale
Mechanics Research Group, Engineering

	Environmental Engineering, Faculty of Engineering and Natural Sciences, Tampere University, POB 589, FI-33014, Tampere, Finland
A data-driven degradation prognostic strategy for aero-engine under various operational conditions	College of Automation Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing 211106, China; Institute of Intelligent Manufacturing, Nanjing Tech University, Nanjing 210009, China; Department of Mechanical Engineering, York University, Toronto M3J1P3, Canada Department of Mechanical Engineering, York University, Toronto M3J1P3, Canada College of Automation Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing 211106, China College of Automation Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing 211106, China
Visual-Based Contact Detection for	Research Institute of Intelligent Control
Automated Zebrafish Larva Heart	and Systems, Harbin Institute of
Microinjection	Technology, Harbin , China#TAB# Research Institute of Intelligent Controland Systems, Harbin Institute ofTechnology, Harbin , China#TAB# Research Institute of Intelligent Controland Systems, Harbin Institute ofTechnology, Harbin , China#TAB# Dept.of Mechanical & Industrial Engineering,University of Toronto, Toronto,Canada#TAB# Research Institute ofIntelligent Control and Systems, HarbinInstitute of Technology, Harbin ,China#TAB# Ningbo Institute ofIntelligent Equipment Technology, HarbinInstitute of Technology, Ningbo, China Research Institute of Intelligent Controland Systems, Harbin Institute ofIntelligent Equipment Technology, HarbinInstitute of Technology, Ningbo, China Research Institute of Intelligent Controland Systems, Harbin Institute ofTechnology, Harbin , China#TAB# Research Institute of Intelligent Controland Systems, Harbin Institute ofTechnology, Harbin , China#TAB# Research Institute of Intelligent Controland Systems, Harbin Institute ofTechnology, Harbin , China#TAB# Research Institute of Intelligent Controland Systems, Harbin Institute ofTechnology, Harbin , China#TAB#

	Research Institute of Intelligent Control
	and Systems, Harbin Institute of
	Technology, Harbin , China#TAB#
Pressure dependence in aqueous-based	CCRC, Division of Physical Science and
electrochemical CO2 reduction	Engineering (PSE), King Abdullah
	University of Science and Technology
	(KAUST), Thuwal, Saudi Arabia CCRC,
	Division of Physical Science and
	Engineering (PSE), King Abdullah
	University of Science and Technology
	(KAUST), Thuwal, Saudi Arabia CCRC,
	Division of Physical Science and
	Engineering (PSE), King Abdullah
	University of Science and Technology
	(KAUST), Thuwal, Saudi Arabia; National
	Key Laboratory of Science and Technology
	on Tunable Laser, Harbin Institute of
	Technology, Harbin, China Department
	of Electrical and Computer Engineering,
	University of Toronto, Toronto, Canada
	Department of Mechanical and Industrial
	Engineering, University of Toronto,
	Toronto, Canada CCRC, Division of
	Physical Science and Engineering (PSE),
	King Abdullah University of Science and
	Technology (KAUST), Thuwal, Saudi
	Arabia Department of Electrical and
	Computer Engineering, University of
	Toronto, Toronto, Canada Department of
	Electrical and Computer Engineering,
	University of Toronto, Toronto, Canada
	Advanced Membranes and Porous
	Materials Center (AMPM), PSE, KAUST,
	Thuwal, Saudi Arabia Advanced Membranes and Porous Materials Center
	(AMPM), PSE, KAUST, Thuwal, Saudi
	Arabia CCRC, Division of Physical
	Science and Engineering (PSE), King
	Abdullah University of Science and
	Technology (KAUST), Thuwal, Saudi
	Arabia Department of Mechanical and
	Industrial Engineering, University of
	Toronto, Toronto, Canada Department of
	Electrical and Computer Engineering,
	University of Toronto, Toronto, Canada
	CCRC, Division of Physical Science and

	Engineering (PSE), King Abdullah
	University of Science and Technology
	(KAUST), Thuwal, Saudi Arabia
N-Heteroacenes as an Organic Gain	Department of Materials, Imperial College
Medium for Room-Temperature Masers	London, South Kensington Campus,
filedium for Room Temperature filasers	Exhibition Road, London SW7 2AZ, U.K.
	Department of Materials, Imperial College
	London, South Kensington Campus,
	Exhibition Road, London SW7 2AZ, U.K.
	Department of Materials, Imperial College
	London, South Kensington Campus,
	Exhibition Road, London SW7 2AZ, U.K.
	Molecular Sciences Research Hub,
	Department of Chemistry, Imperial
	College London, White City Campus, 82
	Wood Lane, London W12 0BZ, U.K.
	Department of Chemistry, University
	College London, 20 Gordon Street, London
	WC1H 0AJ, U.K. Center for Quantum
	Technology Research and Key Laboratory
	of Advanced Optoelectronic Quantum
	Architecture and Measurements, School of
	Physics, Beijing Institute of Technology,
	Beijing 100081, China Department of
	Computer Science, University of Southern
	California, Los Angeles, California 90089,
	United States; Department of Materials,
	Imperial College London, South
	Kensington Campus, Exhibition Road,
	London SW7 2AZ, U.K. Molecular
	Sciences Research Hub, Department of
	Chemistry, Imperial College London,
	White City Campus, 82 Wood Lane,
	London W12 0BZ, U.K. Department of
	Materials, Imperial College London, South
	Kensington Campus, Exhibition Road,
	London SW7 2AZ, U.K. Department of
	Chemistry, University of Toronto, 80 St.
	George Street, Toronto M5S 3H6, Canada
	Department of Chemistry, University of
	Warwick, Coventry CV4 7AL, U.K.
	Department of Materials, Imperial College
	London, South Kensington Campus,
	Exhibition Road, London SW7 2AZ, U.K.
Multi-Lane Differential Variable Speed	School of Mechanical Engineering, Beijing
Limit Control via Deep Neural Networks	Institute of Technology, Beijing 100081,

Optimized by an Adaptive Evolutionary Strategy	China Intelligent Transportation Systems Centre, University of Toronto, Toronto, ON M5S 1A4, Canada National Key Laboratory of Fundamental Science on Synthetic Vision, Sichuan University, Chengdu 610065, China School of Information and Electronics, Beijing Institute of Technology, Beijing 100081, China School of Mechanical Engineering, Beijing Institute of Technology, Beijing 100081, China Advanced Research Institute of Multidisciplinary Sciences, Beijing Institute of Technology, Beijing 100081, China
A Framework of Hybrid Transceiver Optimizations With Eigenvalue Constraints for Multi-Hop Networks	School of Information and Electronics, Beijing Institute of Technology, Beijing, China School of Information and Electronics, Beijing Institute of Technology, Beijing, China School of Cyberspace Science and Technology, Beijing Institute of Technology, Beijing, China Department of Electrical, Computer and Biomedical Engineering, Toronto Metropolitan University (formerly Ryerson University), Toronto, ON, Canada School of Cyberspace Science and Technology, Beijing Institute of Technology, Beijing, China
State-domain change point detection for nonlinear time series regression	School of Mathematics, Jilin University, China; Institute for Advanced Study in Mathematics, Harbin Institute of Technology, China Department of Statistics, University of Oxford, United Kingdom Department of Statistical Sciences, University of Toronto, Canada
Multi-Satellite Cooperative Communication: Exploiting Time Asynchrony in Non-Orthogonal Transmissions	School of Electronics, Peking University, Beijing, China Beijing Institute of Technology, Beijing, China Beijing Institute of Technology, Beijing, China School of Electronics, Peking University, Beijing, China School of Electronics, Peking University, Beijing, China Department of Electrical, Computer, and Biomedical Engineering, Toronto Metropolitan University formerly Ryerson University, Toronto, ON, Canada

Episodic task agnostic contrastive training for multi-task learning	School of Transportation Science and Engineering, Beihang University, No. 37 Xueyuan Road, Beijing, 100083, China School of Transportation Science and Engineering, Beihang University, No. 37 Xueyuan Road, Beijing, 100083, China Department of Biomedical Informatics, Harvard Medical School, Boston, 02115, MA, USA Department of Computer Science, Western University, 1151 Richmond St, London, N6A 3K7, Ontario, Canada Department of Electrical and Computer Engineering, McGill University, Montreal, H3A 0G4, Quebec, Canada Department of Computer Science, Western University, 1151 Richmond St, London, N6A 3K7, Ontario, Canada School of Transportation Science and Engineering, Beihang University, No. 37 Xueyuan Road, Beijing, 100083, China Department of Computer Science, Western University, 1151 Richmond St, London, N6A 3K7, Ontario, Canada; Vector Institute, 661 University Ave Suite 710, Toronto, M5G 1M1, Ontario, Canada
Heterogeneous Transformer: A Scale Adaptable Neural Network Architecture for Device Activity Detection	State Key Laboratory of Rail Traffic Control and Safety, Beijing Jiaotong University, Beijing, China; Shenzhen Research Institute of Big Data, Shenzhen, China The Edward S. Rogers Sr. Department of Electrical and Computer Engineering, University of Toronto, Toronto, ON, Canada Department of Electrical and Electronic Engineering, The University of Hong Kong, Pokfulam, Hong Kong School of Electronics and Information Engineering, Beihang University, Beijing, China Henan Joint International Research Laboratory of Intelligent Networking and Data Analysis, Zhengzhou University, Zhengzhou, China; Peng Cheng Laboratory, Shenzhen, China; Shenzhen Research Institute of Big Data, Shenzhen, China Department of Electrical and Electronic Engineering, The

University of Hong Kong, Pokfulam, Hong
Kong
College of Aerospace and Civil
Engineering, Harbin Engineering
University, Harbin 150001, China;
Department of Materials Science and
Engineering, University of Toronto,
Toronto, Ontario M5S 3E4, Canada
Department of Materials Science and
Engineering, University of Toronto,
Toronto, Ontario M5S 3E4, Canada
Department of Materials Science and
Engineering, University of Toronto,
Toronto, Ontario M5S 3E4, Canada
College of Aerospace and Civil
Engineering, Harbin Engineering
University, Harbin 150001, China
Department of Materials Science and
Engineering, University of Toronto,
Toronto, Ontario M5S 3E4, Canada
School of Energy Science and Engineering,
Harbin Institute of Technology, Harbin,
China School of Energy Science and
Engineering, Harbin Institute of
Technology, Harbin, China Microcellular
Plastics Manufacturing Laboratory
(MPML), Department of Mechanical &
Industrial Engineering, University of
Toronto, Toronto, Canada; Cellular
Polymer Science & Technology
Laboratory, School of Materials Science &
Engineering, Shandong University, Jinan,
China Microcellular Plastics
Manufacturing Laboratory (MPML),
Department of Mechanical & Industrial
Engineering, University of Toronto,
Toronto, Canada School of Energy
Science and Engineering, Harbin Institute
of Technology, Harbin, China Shandong
Institute of Advanced Technology, Jinan,
China
Beijing Advanced Innovation Center for
Intelligent Robots and Systems, Beijing
Institute of Technology, Beijing, China;
Institute of Biomedical Engineering,
Institute of Diometrical Engineering,
_

	Institute of Biomedical Engineering,
	University of Toronto, Toronto, Canada
	Department of Mechanical and Industrial
	Engineering, University of Toronto,
	Toronto, Canada State Key Laboratory of
	Optoelectronic Materials and
	Technologies, School of Electronics and
	Information Technology, Sun Yat-Sen
	University, Guangzhou, China State Key
	Laboratory of Optoelectronic Materials
	and Technologies, School of Electronics
	and Information Technology, Sun Yat-Sen
	University, Guangzhou, China Institute of
	Biomedical Engineering, University of
	Toronto, Toronto, Canada James Watt
	School of Engineering, University of
	Glasgow, Glasgow, UK Institute of
	Biomedical Engineering, University of
	Toronto, Toronto, Canada Institute of
	Biomedical Engineering, University of
	Toronto, Toronto, Canada State Key
	Laboratory of Optoelectronic Materials
	and Technologies, School of Electronics
	and Information Technology, Sun Yat-Sen
	University, Guangzhou, China; Photonics
	Group, Merchant Venturers School of
	Engineering, University of Bristol, Bristol,
	UK Department of Mechanical and
	Industrial Engineering, University of
	Toronto, Toronto, Canada James Watt
	School of Engineering, University of
	Glasgow, Glasgow, UK Institute of
	Biomedical Engineering, University of
	Toronto, Toronto, Canada
Footstep Planning for Hexapod Robots	State Key Laboratory of Robotics and
Based on 3D Quasi-static Equilibrium	System, Harbin Institute of Technology,
Support Region	Harbin, China State Key Laboratory of Debaties and System Harbin Institute of
	Robotics and System, Harbin Institute of
	Technology, Harbin, China State Key
	Laboratory of Robotics and System,
	Harbin Institute of Technology, Harbin,
	China Department of Aerospace
	Engineering, Ryerson University, Toronto,
	Canada State Key Laboratory of Robotics
	and System, Harbin Institute of
	Technology, Harbin, China State Key

	Laborations of Dabation 10 d
	Laboratory of Robotics and System,
	Harbin Institute of Technology, Harbin,
	China Design of the second sec
Laser deposition of graded Î ³ -	Department of Materials Science and
TiAl/Ti2AlNb alloys: Microstructure and	Engineering University of Toronto 184
nanomechanical characterization of the	College St Toronto ON M5S 3E4 Canada.
transition zone	Department of Materials Science and
	Engineering University of Toronto 184
	College St Toronto ON M5S 3E4 Canada.
	National Engineering Laboratory of
	Additive Manufacturing for Large Metallic
	Components, School of Materials Science
	and Engineering, Beihang University, 37
	Xueyuan Road, Beijing 100191, China
	Department of Materials Science and
	Engineering University of Toronto 184
	College St Toronto ON M5S 3E4 Canada.
Trade-offs between vehicle fuel economy	College of Economics and Management,
and performance: Evidence from	South China Agricultural University,
heterogeneous firms in China	Guangzhou, 510642, China; School of
	Management and Economics, Beijing
	Institute of Technology, Beijing 100081,
	China; Department of Civil & Mineral
	Engineering, University of Toronto,
	Toronto, ON, M5S 1A4, Canada
	Department of Civil and Mineral
	Engineering, University of Toronto,
	Toronto, ON M5S 1A4, Canada
	Department of Civil & Mineral
	Engineering, University of Toronto,
	Toronto, ON, M5S 1A4, Canada
SAVMD: An adaptive signal processing	State Key Laboratory of Industrial Control
method for identifying protein coding	Technology, Zhejiang University, 310027
regions	Hangzhou, China State Key Laboratory
	of Industrial Control Technology, Zhejiang
	University, 310027 Hangzhou, China
	Inertial Technology and Integrated
	Navigation Laboratory, Beihang
	University, 100191, Beijing, China
	Princess Margaret Cancer Centre.
	University Health Network, Toronto, ON,
	Canada; State Key Laboratory of
	Industrial Control Technology, Zhejiang
	University, 310027 Hangzhou, China
	State Key Laboratory of Industrial Control

	Technology, Zhejiang University, 310027
	Hangzhou, China
Pathways for decarbonizing Chinaâ€ [™] s	Center for Energy and Environmental
building sector under global warming	Policy Research, Beijing Institute of
thresholds	Technology, Beijing 100081, China School
	of Management & Economics, Beijing
	Institute of Technology, Beijing 100081,
	China School of Management and
	Economics, Beijing Institute of Technology,
	Beijing, 100081, China Department of
	Geography, University of Toronto,
	Toronto, M5S 3G3, Canada
Dynamic Mode â; fracture behavior of	State Key Laboratory of Explosion Science
rocks under hydrostatic pressure using the	and Technology, Beijing Institute of
short core in compression (SCC) method	Technology, Beijing 100081, China;
	Engineering Materials Science, Faculty of
	Engineering and Natural Sciences,
	Tampere University (TAU), POB 589, FI-
	33014 Tampere, Finland; State Key
	Laboratory of Hydraulic Engineering
	Simulation and Safety, School of Civil
	Engineering, Tianjin University, Tianjin
	300072, China State Key Laboratory of
	Hydraulic Engineering Simulation and
	Safety, School of Civil Engineering, Tianjin
	University, Tianjin 300072, China
	Department of Civil & Mineral
	Engineering, University of Toronto,
	· ·
	Toronto, ON M5S 1A4, Canada
	Department of Civil & Mineral
	Engineering, University of Toronto,
	Toronto, ON M5S 1A4, Canada; State Key
	Laboratory of Hydraulic Engineering
	Simulation and Safety, School of Civil
	Engineering, Tianjin University, Tianjin
	300072, China Engineering Materials
	Science, Faculty of Engineering and
	Natural Sciences, Tampere University
	(TAU), POB 589, FI-33014 Tampere,
	Finland
Impacts of COVID-19 on urban rail transit	Harbin Institute of Technology, School of
ridership using the Synthetic Control	Transportation Science & Engineering, 73
Method	Huanghe Road, Harbin, Heilongjiang,
	150090, China University of Toronto,
	Department of Civil & Mineral
	Engineering, 35 St. George Street, Toronto,
	Engineering, 35 St. George Street, Toronto,

	Ontario, M5S 1A4, Canada Harbin
	Institute of Technology, School of
	Transportation Science & Engineering, 73
	Huanghe Road, Harbin, Heilongjiang,
	150090, China Harbin Institute of
	Technology, School of Transportation
	Science & Engineering, 73 Huanghe Road,
	Harbin, Heilongjiang, 150090, China
An Integer Programming Approach to	College of Economics and Management,
Solving the Inverse Graph Model for	Nanjing University of Aeronautics and
Conflict Resolution with Two Decision	Astronautics, Nanjing, People's
Makers	Republic of China College of Economics
	and Management, Nanjing University of
	Aeronautics and Astronautics, Nanjing,
	Peopleâ€ [™] s Republic of China
	Department of Mechanical and Industrial
	-
	Engineering, Ryerson University, Toronto,
	Canada Centre for International
	Governance Innovation, Waterloo,
	Canada; Balsillie School of International
	Affairs, Waterloo, Canada; Department of
	Systems Design Engineering, University of
	Waterloo, Waterloo, Canada
Large Deformation Dynamic Analysis of	Department of Mechanics and Engineering
Cable System by a New Hamiltonian Finite	Science, Nanjing University of Science and
Element Method	Technology, 200 Xiaolingwei Street,
	Nanjing 210094, P. R. China Department
	of Mechanics and Engineering Science,
	Nanjing University of Science and
	Technology, 200 Xiaolingwei Street,
	Nanjing 210094, P. R. China Institute of
	Equipment Research, Inner Mongolia
	North Heavy Industries Group Co. Ltd., 3
	Binggong Road, Baotou, Inner Mongolia
	014030, P. R. China Department of
	Mechanical Engineering, York University,
	4700 Keele Street, Toronto M3J1P3,
	Canada
Nanoparticulate Drug Delivery Strategies	Institute of Medical Research,
to Address Intestinal Cytochrome P450	
CYP3A4 Metabolism towards Personalized	Northwestern Polytechnical University, 127 West Youyi Road, Xi'an 710072, China
TA TENAA WERADOUSIII LOWALOS PERSONAII760	$+$ vvesi volivi koga λ ig \pm $200/2$ ($000/2$ ($000/2$
Medicine	Advanced Pharmaceutics & Drug
	Advanced Pharmaceutics & Drug Delivery Laboratory, Leslie Dan Faculty of
	Advanced Pharmaceutics & Drug Delivery Laboratory, Leslie Dan Faculty of Pharmacy, University of Toronto, 144
	Advanced Pharmaceutics & Drug Delivery Laboratory, Leslie Dan Faculty of

	Engineering, Nanjing University of Finance and Economics, Nanjing 210003, China Institute of Medical Research, Northwestern Polytechnical University, 127 West Youyi Road, Xi'an 710072, China Institute of Medical Research, Northwestern Polytechnical University, 127 West Youyi Road, Xi'an 710072, China Advanced Pharmaceutics & Drug Delivery Laboratory, Leslie Dan Faculty of Pharmacy, University of Toronto, 144 College Street, Toronto, ON M5S 3M2, Canada
A Novel Deep Convolutional Neural Network Based on ResNet-18 and Transfer Learning for Detection of Wood Knot Defects	College of Science, Northeast Forestry University, Harbin 150040, China School of Instrumention Science and Engineering, Harbin Institute of Technology, Harbin 150001, China School of Mechatronics Engineering, Harbin Institute of Technology, Harbin 150001, China School of Mechatronics Engineering, Harbin Institute of Technology, Harbin 150001, China Center for Advanced Diffusion- Wave and Photoacoustic Technologies, University of Toronto, Toronto, M5S 3G8, Canada College of Science, Northeast Forestry University, Harbin 150040, China
A novel Stewart-type parallel mechanism with topological reconfiguration: Design, kinematics and stiffness evaluation	College of Mechanical & Electronic Engineering, Nanjing Forestry University, Nanjing 210037, China. Department of Aerospace Engineering, Ryerson University, Toronto, ON M5B 2K3, Canada School of Mechanical Engineering and Rail Transit, Changzhou University, Changzhou 213164, China Department of Aerospace Engineering, Ryerson University, Toronto, ON M5B 2K3, Canada School of Mechanical Engineering, Nanjing University of Science
Recognition and classification of single melt tracks using deep neural network: A fast and effective method to determine process windows in selective laser melting	and Technology, Nanjing 210094, China Department of Mechanical and Energy Engineering, Southern University of Science and Technology, Guangdong 518055, PR China; School of Mechatronics Engineering, Harbin Institute of Technology, Harbin 150001, PR China;

	Department of Materials Science and
	Engineering, University of Toronto, ON
	M5S 3E4, Canada Department of
	Materials Science and Engineering,
	University of Toronto, ON M5S 3E4,
	Canada Department of Materials Science
	and Engineering, University of Toronto,
	ON M5S 3E4, Canada Department of Machanical and Energy Engineering
	Mechanical and Energy Engineering,
	Southern University of Science and
	Technology, Guangdong 518055, PR China
	Department of Mechanical and Industrial
	Engineering, University of Toronto, ON
	M5S 3E4, Canada Department of Statistical Sciences, University of Toronto
	Statistical Sciences, University of Toronto, ON M5G 1X6, Canada Department of
	Materials Science and Engineering,
	University of Toronto, ON M5S 3E4,
	Canada
Direction arrang Frateric land Fragmenter	
Direction-aware Feature-level Frequency	[Nanjing University of Aeronautics and Astronoutics Nanjing Chinal Nanjing
Decomposition for Single Image Deraining	Astronautics Nanjing, China] [Nanjing
	University of Aeronautics and Astronautics
	Nanjing, China] [Nanjing University of
	Aeronautics and Astronautics Nanjing,
	China] Lingnan University, Hong Kong,
	China, Xiamen University, Xiamen, China
	Xiamen University, Xiamen, China
	Ryerson University Toronto Canada
	Hong Kong Polytechnic University Hong
	Kong, China
Obstacle Avoidance of Multiple	School of Mechanical Engineering and
Manipulators Based on 3D Artificial	Automation, Harbin Institute of
Potential Field Method	Technology,Shenzhen,China,518055
	School of Mechanical Engineering and
	Automation, Harbin Institute of
	Technology, Shenzhen, China; Peng Cheng
	Laboratory, Shenzhen, China School of
	Mechanical Engineering and Automation,
	Harbin Institute of
	Technology,Shenzhen,China,518055
	Ryerson University, Department of
	Aerospace
	Engineering, Toronto, ON, Canada, M5B
	2K3
Environment Information-based	School of Mechanical Engineering and
Impedance Control	Automation, Harbin Institute of

	Technology,Shenzhen,China,518055
	School of Mechanical Engineering and
	Automation, Harbin Institute of
	Technology,Shenzhen,China,518055
	School of Mechanical Engineering and
	Automation, Harbin Institute of
	Technology, Shenzhen, China, 518055
	School of Mechanical Engineering and
	Automation, Harbin Institute of
	Technology, Shenzhen; Peng Cheng
	Laboratory, Shenzhen, China Ryerson
	University, Toronto, ON, Canada; Harbin
	Institute of Technology, Shenzhen
Optimum Design and Trafficability	Engineering Training Center, Beihang
Analysis for an Articulated Wheel-Legged	University, Beijing 102206, China;;
Forestry Chassis	Lassonde School of Engineering, York
	University, Toronto M3J 1P3, Canada
	Lassonde School of Engineering, York
	University, Toronto M3J 1P3, Canada.
	Engineering Training Center, Beihang
	University, Beijing 102206, China School
	of Automation Science and, Electrical
	Engineering, Beihang University, Beijing
	100191, China Engineering Training
	Center, Beihang University, Beijing
	102206, China
Distuibuted Contuct of Flowible Devland	
Distributed Control of Flexible Payload	Nanjing University of Aeronautics and
Transportation Using Multiple Quadrotors	Astronautics College of Aerospace
	Engineering Nanjing China York
	University,Lassonde School of
	Engineering, Toronto, Canada Institute for
	Aerospace Studies, University of Toronto,
	Toronto, Canada
Robust image-based control for spacecraft	Aerospace Mechatronics Group, Institute
uncooperative rendezvous and	for Aerospace Studies, University of
synchronization using a zooming camera	Toronto, Toronto, M3H 5T6, Canada;
	Research Center of Satellite Technology,
	Harbin Institute of Technology, 150080,
	Harbin, Peopleâ€ [™] s Republic of China
	Aerospace Mechatronics Group, Institute
	for Aerospace Studies, University of
	-
	Toronto, Toronto, M3H 5T6, Canada Baseauch Conton of Sotellite Technology
	Research Center of Satellite Technology,
	Harbin Institute of Technology, 150080,
	Harbin, People's Republic of China

Deriver of Deriver A Deriver in Dehedie Verse	State Var Lahamatan fMasharial
Review of Recent Progress in Robotic Knee	State Key Laboratory of Mechanical
Prosthesis Related Techniques: Structure,	Transmission, Chongqing University,
Actuation and Control	Chongqing, China School of Mechanical
	Engineering, Tianjin University, Tianjin,
	China College of Mechanical Engineering,
	Chongqing University, Chongqing, China
	School of Advanced Manufacturing
	Engineering, Chongqing University of
	Posts and Telecommunications,
	Chongqing, China Department of
	Mechanical Engineering, Vrije Universiteit
	Brussel, Brussels, Belgium; School of
	Mechanical Engineering, Northwestern
	8 8,
	Polytechnical University, Xiâ€ [™] an, China
	College of Mechanical Engineering,
	Chongqing University, Chongqing, China
	State Key Laboratory of Mechanical
	Transmission, Chongqing University,
	Chongqing, China State Key Laboratory
	of Mechanical Transmission, Chongqing
	University, Chongqing, China School of
	Mechanical Engineering, Northwestern
	Polytechnical University, Xi'an, China
	Department of Mechanical & Industrial
	Engineering, University of Toronto,
	Toronto, Canada; Research Institute of
	Unmanned Surface Vessel (USV)
	Engineering, Shanghai University,
	Shanghai, China Research Institute of
	Unmanned Surface Vessel (USV)
	Engineering, Shanghai University,
	Shanghai, China Research Institute of
	Unmanned Surface Vessel (USV)
	Engineering, Shanghai University,
	Shanghai, China State Key Laboratory of
	Mechanical Transmission, Chongqing
	University, Chongqing, China
Occurrence, removal and mass balance of	International Joint Research Center for
substituted diphenylamine antioxidants in	Persistent Toxic Substances (IJRC-PTS),
wastewater treatment plants in Northeast	State Key Laboratory of Urban Water
China	Resource and Environment, Harbin
	Institute of Technology, Harbin, 150090,
	China International Joint Research
	Center for Persistent Toxic Substances
	(IJRC-PTS), State Key Laboratory of
	Urban Water Resource and Environment,

	Harbin Institute of Technology, Harbin,
	150090, China International Joint
	Research Center for Persistent Toxic
	Substances (IJRC-PTS), State Key
	Laboratory of Urban Water Resource and
	Environment, Harbin Institute of
	Technology, Harbin, 150090, China
	International Joint Research Center for
	Persistent Toxic Substances (IJRC-PTS),
	State Key Laboratory of Urban Water
	Resource and Environment, Harbin
	Institute of Technology, Harbin, 150090,
	China; IJRC-PTS-NA, Toronto, M2N 6X9,
	Canada Institute of Natural Sciences,
	North-Eastern Federal University, Russia
	International Joint Research Center for Deviational Texas Substances (UDC DTS)
	Persistent Toxic Substances (IJRC-PTS),
	State Key Laboratory of Urban Water
	Resource and Environment, Harbin
	Institute of Technology, Harbin, 150090,
	China; Faculty of Chemistry,
	Biotechnology & Food Sciences (KBM),
	Norwegian University of Life Sciences
	(NMBU), Norway
Loss odyssey in medical image	Department of Mathematics, Nanjing
segmentation	University of Science and Technology,
	Nanjing, China Department of Medical
	Biophysics, University of Toronto,
	Toronto, Canada Department of Medical
	Biophysics, University of Toronto,
	Toronto, Canada Department of Medical
	Biophysics, University of Toronto,
	Toronto, Canada Department of
	Mathematics, Nanjing University of
	Science and Technology, Nanjing, China
	Department of Mathematics, Nanjing
	University, Nanjing, China Department of
	Mathematics, Nanjing University, Nanjing,
	China Department of Medical Biophysics,
	University of Toronto, Toronto, Canada;
	Physical Sciences, Sunnybrook Research
	Institute, Toronto, Canada
Continuous Leaderless Synchronization	York University, Toronto, Canada;
Continuous Leaderless Synchronization Control of Multiple Spacecraft on SO(3)	

A parallel learning particle swarm	State Key Laboratory of Robotics and
optimizer for inverse kinematics of robotic	System Harbin Institute of Technology
manipulator	Harbin China State Key Laboratory of
	Robotics and System Harbin Institute of
	Technology Harbin China State Key
	Laboratory of Robotics and System,
	Harbin Institute of Technology, Harbin,
	China; Robotics Research Center, Peng
	Cheng Laboratory, Shenzhen, China
	School of Mechanical Engineering and
	Automation Harbin Institute of
	Technology Shenzhen China; Department
	of Aerospace Engineering Ryerson
	University Toronto Canada
Spectrally nurs photon neir generation in	School of Astronautics and National Key
Spectrally pure photon pair generation in	
asymmetric heterogeneously coupled	Laboratory of Science and Technology on
waveguides	Tunable Laser, Harbin Institute of
	Technology, 92 West Dazhi Street, Harbin,
	150001, China School of Astronautics and
	National Key Laboratory of Science and
	Technology on Tunable Laser, Harbin
	Institute of Technology, 92 West Dazhi
	Street, Harbin, 150001, China School of
	Astronautics and National Key Laboratory
	of Science and Technology on Tunable
	Laser, Harbin Institute of Technology, 92
	West Dazhi Street, Harbin, 150001, China
	University of Toronto School of
	Astronautics and National Key Laboratory
	of Science and Technology on Tunable
	Laser, Harbin Institute of Technology, 92
	West Dazhi Street, Harbin, 150001, China
Contract-Theoretic Pricing for Security	Department of Electrical & Computer
Deposits in Sharded Blockchain With	Engineering, University of Houston,
Internet of Things (IoT)	Houston, TX, USA. School of information
	and communication engineering, Nanjing
	Institute of Technology, Nanjing, China
	School of Computer Science and
	Engineering Nanyang Technological
	8 8 8
	University, Singapore [Department of
	Electrical Engineering and Computer
	Science, Lassonde School of Engineering
	York University, Toronto, Canada]
	School of Electronic and Optical
	Engineering, Nanjing University of Science
	and Technology, Nanjing, China;

	University of Houston, Houston, TX, USA Department of Electrical & Computer Engineering, University of Houston, Houston, TX, USA.
Multiple-Defect Management for Efficient Perovskite Photovoltaics	State Key Laboratory for Artificial Microstructure and Mesoscopic Physics, School of Physics, Frontiers Science Center for Nano-optoelectronics & Collaborative Innovation Center of Quantum Matter, Peking University, Beijing 100871, China School of Materials Science and Engineering, Key Laboratory of Polymer Chemistry and Physics of Ministry of Education, Peking University, Beijing 100871, China State Key Laboratory for Artificial Microstructure and Mesoscopic Physics, School of Physics, Frontiers Science Center for Nano-optoelectronics & Collaborative Innovation Center of Quantum Matter, Peking University, Beijing 100871, China State Key Laboratory for Artificial Microstructure and Mesoscopic Physics, School of Physics, Frontiers Science Center for Nano- optoelectronics & Collaborative Innovation Center of Quantum Matter, Peking University, Beijing 100871, China State Key Laboratory for Artificial Microstructure and Mesoscopic Physics, School of Physics, Frontiers Science Center for Nano-optoelectronics & Collaborative Innovation Center of Quantum Matter, Peking University, Beijing 100871, China State Key Laboratory for Artificial Microstructure and Mesoscopic Physics, School of Physics, Frontiers Science Center for Nano-optoelectronics & Collaborative Innovation Center of Quantum Matter, Peking University, Beijing 100871, China Department of Materials Science and Engineering, University of Toronto, Toronto M5G 3E4, Canada Frontiers Science Center for Flexible Electronics, Xiâ€ TM an Institute of Flexible Electronics (IFE) and Xiâ€ TM an Institute of Biomedical Materials & Engineering, Northwestern
	Polytechnical University, Xi'an, Shaanxi 710072, China State Key
	Laboratory for Artificial Microstructure and Mesoscopic Physics, School of Physics, Frontiers Science Center for Nano-
<u> </u>	optoelectronics & Collaborative Innovation

Evaluation of GOFP over four forest plots Evaluation of GOFP over four forest plots School of COFP over four forest plots School of Correction of Correction Control Science and Ecgineering, Herei University, Beijing 100871, China State Key Laboratory of Polymer Chemistry and Physics of Ministry of Education, Peking University, Beijing 100871, China State Key Laboratory for Artificial Microstructure and Mesoscopic Physics, School of Physics, Frontiers Science Center for Nano-optoelectronics & Collaborative Innovation Center of Quantum Matter, Peking University, Beijing 100871, China; Collaborative Innovation Center of Exature Optics, Shanxi University, Taiyuan, Shanxi 030006, China Evaluation of GOFP over four forest plots School of Civil Engineering, Hefei University of Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleá(T ^{May} Republic of China Key Laboratory of Geographic Information Science and Technology, International Institute for Biogeochemistry, Jena, </th <th></th> <th>Conton of Quantum Matter Dalving</th>		Conton of Quantum Matter Dalving
 Collaborative Innovation Center of Extreme Optics, Shanxi University, Taiyuan, Shanxi 03006, China School of Materials Science and Engineering, Key Laboratory of Polymer Chemistry and Physics of Ministry of Education, Peking University, Beijing 100871, China State Key Laboratory for Artificial Microstructure and Mesoscopic Physics, School of Physics, Frontiers Science Center for Nano-optoelectronics & Collaborative Innovation Center of Quantum Matter, Peking University, Beijing 100871, China; Collaborative Innovation Center of Extreme Optics, Shanxi University, Taiyuan, Shanxi 030006, China Evaluation of GOFP over four forest plots using RAMI and UAV measurements School of Civil Engineering, Hefei University of Technology, Hefei, People's Republic of China; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Key Laboratory of Information Perception and Systems for Public Sccurity of MIIT, Nanjing University of Science and Technology, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, People's Republic of China; Department of Geography and Program in 		- , ,
 Extreme Optics, Shanxi University, Taiyuan, Shanxi 030006, China School of Materials Science and Engineering, Key Laboratory of Polymer Chemistry and Physics of Ministry of Education, Peking University, Beijing 100871, China State Key Laboratory for Artificial Microstructure and Mesoscopic Physics, School of Physics, Frontiers Science Center for Nano-optoelectronics & Collaborative Innovation Center of Quantum Matter, Peking University, Beijing 100871, China; Collaborative Innovation Center of Extreme Optics, Shanxi University, Taiyuan, Shanxi 030006, China School of Civil Engineering, Hefei University of Technology, Hefei, Peopleâć™s Republic of China; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earrt System Science, Nanjing University, Nanjing, Peopleâć™s Republic of China; Jiangsu Propheât™s Republic of China; Max Planck Institute for Biogeochemistry, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleât™s Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleât™s Republic of China School of Geographical Science, Nanjing University, Nanjing, Peopleât™s Republic of China School of Geographical Science, Fujian Normal University, Pauphica Of China; Department of Geographical Science, Science, Fujian Normal University, Pauphica Of China; Department of China; 		• • •
 Taiyuan, Shanxi 030006, China School of Materials Science and Engineering, Key Laboratory of Polymer Chemistry and Physics of Ministry of Education, Peking University, Beijing 100871, China State Key Laboratory for Artificial Microstructure and Mesoscopic Physics, School of Physics, Frontiers Science Center for Nano-optoelectronics & Collaborative Innovation Center of Quantum Matter, Peking University, Beijing 100871, China; Collaborative Innovation Center of Extreme Optics, Shanxi University, Taiyuan, Shanxi 030006, China Evaluation of GOFP over four forest plots using RAMI and UAV measurements School of Civil Engineering, Hefei University of Technology, Hefei, Peopleä^{E™s} Republic of China; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleä^{E™s} Republic of China Key Laboratory of Information Perception and Systems for Public Security of MIIIT, Nanjing University of Science and Technology, International Institute for Biogeochemistry, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleä^{E™s} Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleä^{E™s} Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleä^{E™s} Republic of China School of Geographical Science, Fujian Normal University Fuzhou, Peopleä^{E™s} Republic of China; Department of Geographical Science, Sanjing University, Raping, Peopleät^{T™s} Republic 		
 Materials Science and Engineering, Key Laboratory of Polymer Chemistry and Physics of Ministry of Education, Peking University, Beijing 100871, China State Key Laboratory for Artificial Microstructure and Mesoscopic Physics, School of Physics, Frontiers Science Center for Nano-optoelectronics & Collaborative Innovation Center of Quantum Matter, Peking University, Beijing 100871, China; Collaborative Innovation Center of Extreme Optics, Shanxi University, Taiyuan, Shanxi 030006, China Evaluation of GOFP over four forest plots using RAM1 and UAV measurements Evaluation of GOFP over four forest plots University of Technology, Hefei University of Technology, Hefei University of Technology, Hefei Laboratory of Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleâ€^{TMs} Republic of China Key Laboratory of Information Perception and Systems for Public Security of MIIT, Nanjing University of Science and Technology, International Institute for Biogeochemistry, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleâ(^{TMs} Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleâ(^{TMs} Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, Peopleâ€^{TMs} Republic of China; Department of Geography and Program in 		
Laboratory of Polymer Chemistry and Physics of Ministry of Education, Peking University, Beijing 100871, China State Key Laboratory for Artificial Microstructure and Mesoscopic Physics, School of Physics, Frontiers Science Center for Nano-optoelectronics & Collaborative Innovation Center of Quantum Matter, Peking University, Beijing 100871, China; Collaborative Innovation Center of Extreme Optics, Shanxi University, Taiyuan, Shanxi 030006, ChinaEvaluation of GOFP over four forest plots using RAMI and UAV measurementsSchool of Civil Engineering, Hefei University of Technology, Hefei, People's Republic of China; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China; Key Laboratory of Science and Technology, Nanjing, PeopleâC™s Republic of China; Key Laboratory of Geographic Information Science and Technology, International Institute for Biogeochemistry, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, PeopleâC™s Republic of China Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, PeopleâC™s Republic of China Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, PeopleâC™s Republic of China School of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, PeopleâC™s Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, PeopleâC™s Republic of China; Department of Geography and Program in		
Physics of Ministry of Education, Peking University, Beijing 100871, China State Key Laboratory for Artificial Microstructure and Mesoscopic Physics, School of Physics, Frontiers Science Center for Nano-optoelectronics & Collaborative Innovation Center of Quantum Matter, Peking University, Beijing 100871, China; Collaborative Innovation Center of Extreme Optics, Shanxi University, Taiyuan, Shanxi 03006, ChinaEvaluation of GOFP over four forest plots using RAMI and UAV measurementsSchool of Civil Engineering, Hefei University of Technology, Hefei, PeopleâC™s Republic of China; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing, University of MIIT, Nanjing University of Science and Technology, Nanjing, China; Max Planck Institute for Biogeochemistry, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing, University, Nanjing, PeopleâC™s Republic of China; Haming University, Nanjing, PeopleâC™s Republic of China; I Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, PeopleâC™s Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, PeopleâC™s Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, PeopleâC™s Republic of China; Department of Geography and Program in		Materials Science and Engineering, Key
University, Beijing 100871, China State Key Laboratory for Artificial Microstructure and Mesoscopic Physics, School of Physics, Frontiers Science Center for Nano-optoelectronics & Collaborative Innovation Center of Quantum Matter, Peking University, Beijing 100871, China; Collaborative Innovation Center of Extreme Optics, Shanxi University, Taiyuan, Shanxi 030006, ChinaEvaluation of GOFP over four forest plots using RAMI and UAV measurementsSchool of Civil Engineering, Hefei University of Technology, Hefei, PeopleâC™s Republic of China; Jiangsu Provincial Key Laboratory of Geographic Informational Institute for Earth System Science and Technology, International Institute for Bring, Hang, PeopleâC™s Republic of China Key Laboratory of Information Perception and Systems for Public Security of MIIT, Nanjing University, Nanjing, PeopleâC™s Republic of China Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, PeopleâC™s Republic of China Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, PeopleâC™s Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, PeopleâC™s Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, PeopleâC™s Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, PeopleâC™s Republic of China School of Geographical		Laboratory of Polymer Chemistry and
 Key Laboratory for Artificial Microstructure and Mesoscopic Physics, School of Physics, Frontiers Science Center for Nano-optoelectronics & Collaborative Innovation Center of Quantum Matter, Peking University, Beijing 100871, China; Collaborative Innovation Center of Extreme Optics, Shanxi University, Taiyuan, Shanxi 030006, China Evaluation of GOFP over four forest plots using RAMI and UAV measurements School of Civil Engineering, Hefei University of Technology, Hefei, Peopleäℓ™s Republic of China; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleäℓ™s Republic of China Key Laboratory of Information Perception and Systems for Public Security of MIIT, Nanjing University of Science and Technology, Nanjing, China; Max Planck Institute for Biogeochemistry, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleåℓ™s Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleåℓ™s Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleåℓ™s Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, Peopleåℓ™s Republic of China; Department of Geography and Program in 		Physics of Ministry of Education, Peking
 Microstructure and Mesoscopic Physics, School of Physics, Frontiers Science Center for Nano-optoelectronics & Collaborative Innovation Center of Quantum Matter, Peking University, Beijing 100871, China; Collaborative Innovation Center of Extreme Optics, Shanxi University, Taiyuan, Shanxi 030006, China Evaluation of GOFP over four forest plots using RAMI and UAV measurements School of Civil Engineering, Hefei University of Technology, Hefei, Peopleât[™]s Republic of China; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleât[™]s Republic of China; Key Laboratory of Information Perception and Systems for Public Security of MIIT, Nanjing University of Science and Technology, Nanjing, China; Max Planck Institute for Biogeochemistry, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleât[™]s Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleât[™]s Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleât[™]s Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, Peopleât[™]s Republic of China; Department of Geography and Program in 		University, Beijing 100871, China State
School of Physics, Frontiers Science Center for Nano-optoelectronics & Collaborative Innovation Center of Quantum Matter, Peking University, Beijing 100871, China; Collaborative Innovation Center of Extreme Optics, Shanxi University, Taiyuan, Shanxi 030006, ChinaEvaluation of GOFP over four forest plots using RAMI and UAV measurementsSchool of Civil Engineering, Hefei University of Technology, Hefei, People's Republic of China; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Key Laboratory of Information Perception and Systems for Public Security of MIIT, Nanjing University, Nanjing, China; Max Planck Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China School of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, People's Republic of China; Depatement of Geography and Program in		Key Laboratory for Artificial
for Nano-optoelectronics & Collaborative Innovation Center of Quantum Matter, Peking University, Beijing 100871, China; Collaborative Innovation Center of Extreme Optics, Shanxi University, Taiyuan, Shanxi 030006, China Evaluation of GOFP over four forest plots using RAMI and UAV measurements Evaluation of GOFP over four forest plots University of Technology, Hefei, People's Republic of China; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Key Laboratory of Information Perception and Systems for Public Sceurity of MIIT, Nanjing University of Science and Technology, Nanjing, China; Max Planck Institute for Biogeochemistry, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China School of Geographic Information Science, Republic of China; Department of Geographic and Program in		Microstructure and Mesoscopic Physics,
for Nano-optoelectronics & Collaborative Innovation Center of Quantum Matter, Peking University, Beijing 100871, China; Collaborative Innovation Center of Extreme Optics, Shanxi University, Taiyuan, Shanxi 030006, China Evaluation of GOFP over four forest plots using RAMI and UAV measurements Evaluation of GOFP over four forest plots using RAMI and UAV measurements Evaluation of GOFP over four forest plots using RAMI and UAV measurements Evaluation of GOFP over four forest plots using RAMI and UAV measurements Evaluation of GOFP over four forest plots using RAMI and UAV measurements Evaluation of GOFP over four forest plots using RAMI and UAV measurements Evaluation of GOFP over four forest plots using RAMI and UAV measurements Evaluation of GOFP over four forest plots using RAMI and UAV measurements Evaluation of GOFP over four forest plots using RAMI and UAV measurements Provincial Key Laboratory of Geographic Information Science, Nanjing University, Nanjing, Peopleâ€t™s Republic of China Key Laboratory of Information Perception and Systems for Public Security of MIIT, Nanjing University of Science and Technology, Nanjing, China; Max Planck Institute for Biogeochemistry, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleât™s Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleât™s Republic of China School of Geographic Information Science, Republic of China; Department of Geography and Program in		School of Physics, Frontiers Science Center
Innovation Center of Quantum Matter, Peking University, Beijing 100871, China; Collaborative Innovation Center of Extreme Optics, Shanxi University, Taiyuan, Shanxi 030006, ChinaEvaluation of GOFP over four forest plots using RAMI and UAV measurementsSchool of Civil Engineering, Hefei University of Technology, Hefei, People's Republic of China; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Key Laboratory of Information Perception and Systems for Public Security of MIIT, Nanjing University of Science and Technology, Nanjing, China; Max Planck Institute for Biogeochemistry, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographical Iscience, Fujian Normal University, Nanjing, People's Republic of China ; Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, People's Republic of China; Department of Geography and Program in		
Peking University, Beijing 100871, China; Collaborative Innovation Center of Extreme Optics, Shanxi University, Taiyuan, Shanxi 030006, ChinaEvaluation of GOFP over four forest plots using RAMI and UAV measurementsSchool of Civil Engineering, Hefei University of Technology, Hefei, People's Republic of China; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Key Laboratory of Information Perception and Systems for Public Security of MIIT, Nanjing University, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Biogeochemistry, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China School of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, People's Republic of China; Department of Geography and Program in		-
Collaborative Innovation Center of Extreme Optics, Shanxi University, Taiyuan, Shanxi 03006, ChinaEvaluation of GOFP over four forest plots using RAMI and UAV measurementsSchool of Civil Engineering, Hefei University of Technology, Hefei, People's Republic of China; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Key Laboratory of Information Perception and Systems for Public Security of MIIT, Nanjing University of Science and Technology, Nanjing, China; Max Planck Institute for Biogeochemistry, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographical Science, Nanjing University, Nanjing, People's Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, People's Republic of China; Department of Geography and Program in		- ,
Extreme Optics, Shanxi University, Taiyuan, Shanxi 030006, ChinaEvaluation of GOFP over four forest plots using RAMI and UAV measurementsSchool of Civil Engineering, Hefei University of Technology, Hefei, Peopleâ€TMs Republic of China; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleâ€TMs Republic of China Key Laboratory of Information Perception and Systems for Public Security of MIIT, Nanjing University, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Biogeochemistry, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleâ€TMs Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleâ€TMs Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, PeopleâCTMs Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, PeopleâCTMs Republic of China; Department of Geography and Program in		
Taiyuan, Shanxi 030006, ChinaEvaluation of GOFP over four forest plots using RAMI and UAV measurementsSchool of Civil Engineering, Hefei University of Technology, Hefei, People's Republic of China; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Key Laboratory of Information Perception and Systems for Public Security of MIIT, Nanjing University, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Biogeochemistry, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, People's Republic of China; Department of Geography and Program in		
Evaluation of GOFP over four forest plots using RAMI and UAV measurementsSchool of Civil Engineering, Hefei University of Technology, Hefei, People's Republic of China; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Key Laboratory of Information Perception and Systems for Public Security of MIIT, Nanjing University of Science and Technology, Nanjing, China; Max Planck Institute for Biogeochemistry, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, People's Republic of China; Department of Geography and Program in		-
using RAMI and UAV measurements University of Technology, Hefei, People's Republic of China; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Key Laboratory of Information Perception and Systems for Public Security of MIIT, Nanjing University of Science and Technology, Nanjing, China; Max Planck Institute for Biogeochemistry, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, People's Republic of China; Department of Geography and Program in	Evaluation of GOFP over four forest plots	
Peopleâ€ [™] s Republic of China; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleâ€ [™] s Republic of China Key Laboratory of Information Perception and Systems for Public Security of MIIT, Nanjing University of Science and Technology, Nanjing, China; Max Planck Institute for Biogeochemistry, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleâ€ [™] s Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleâ€ [™] s Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleâ€ [™] s Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, Peopleâ€ [™] s Republic of China; Department of Geography and Program in	-	8
Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Key Laboratory of Information Perception and Systems for Public Security of MIIT, Nanjing University of Science and Technology, Nanjing, China; Max Planck Institute for Biogeochemistry, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, People's Republic of China; Department of Geography and Program in	using tertion and only incastrements	
Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleâ€ [™] s Republic of China Key Laboratory of Information Perception and Systems for Public Security of MIIT, Nanjing University of Science and Technology, Nanjing, China; Max Planck Institute for Biogeochemistry, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleâ€ [™] s Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleâ€ [™] s Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleâ€ [™] s Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, Peopleâ€ [™] s Republic of China; Department of Geography and Program in		
International Institute for Earth System Science, Nanjing University, Nanjing, Peopleâ€ [™] s Republic of China Key Laboratory of Information Perception and Systems for Public Security of MIIT, Nanjing University of Science and Technology, Nanjing, China; Max Planck Institute for Biogeochemistry, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleâ€ [™] s Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleâ€ [™] s Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, Peopleâ€ [™] s Republic of China; Department of Geography and Program in		
Science, Nanjing University, Nanjing, People's Republic of China Key Laboratory of Information Perception and Systems for Public Security of MIIT, Nanjing University of Science and Technology, Nanjing, China; Max Planck Institute for Biogeochemistry, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, People's Republic of China; Department of Geography and Program in		
People's Republic of China Key Laboratory of Information Perception and Systems for Public Security of MIIT, Nanjing University of Science and Technology, Nanjing, China; Max Planck Institute for Biogeochemistry, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, People's Republic of China; Department of Geography and Program in		e e e e e e e e e e e e e e e e e e e
Laboratory of Information Perception and Systems for Public Security of MIIT, Nanjing University of Science and Technology, Nanjing, China; Max Planck Institute for Biogeochemistry, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, People's Republic of China; Department of Geography and Program in		
Systems for Public Security of MIIT, Nanjing University of Science and Technology, Nanjing, China; Max Planck Institute for Biogeochemistry, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, People's Republic of China; Department of Geography and Program in		
Nanjing University of Science and Technology, Nanjing, China; Max Planck Institute for Biogeochemistry, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, People's Republic of China; Department of Geography and Program in		•
Technology, Nanjing, China; Max Planck Institute for Biogeochemistry, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, People's Republic of China; Department of Geography and Program in		
Institute for Biogeochemistry, Jena, Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleâ€ TM s Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleâ€ TM s Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, Peopleâ€ TM s Republic of China; Department of Geography and Program in		0 0 1
Germany; Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleâ€ TM s Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleâ€ TM s Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, Peopleâ€ TM s Republic of China; Department of Geography and Program in		
Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, People's Republic of China; Department of Geography and Program in		•
Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, People's Republic of China; Department of Geography and Program in		• •
Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, People's Republic of China; Department of Geography and Program in		
University, Nanjing, People's Republic of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, People's Republic of China; Department of Geography and Program in		
of China Jiangsu Provincial Key Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, People's Republic of China; Department of Geography and Program in		
Laboratory of Geographic Information Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleâ€ [™] s Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, Peopleâ€ [™] s Republic of China; Department of Geography and Program in		
Science and Technology, International Institute for Earth System Science, Nanjing University, Nanjing, Peopleâ€ [™] s Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, Peopleâ€ [™] s Republic of China; Department of Geography and Program in		
Institute for Earth System Science, Nanjing University, Nanjing, People's Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, People's Republic of China; Department of Geography and Program in		
University, Nanjing, People's Republic of China School of Geographical Science, Fujian Normal University, Fuzhou, People's Republic of China; Department of Geography and Program in		
of China School of Geographical Science, Fujian Normal University, Fuzhou, People's Republic of China; Department of Geography and Program in		Institute for Earth System Science, Nanjing
Fujian Normal University, Fuzhou, People's Republic of China; Department of Geography and Program in		University, Nanjing, People's Republic
People's Republic of China; Department of Geography and Program in		of China School of Geographical Science,
Department of Geography and Program in		Fujian Normal University, Fuzhou,
Department of Geography and Program in		People's Republic of China;
		Department of Geography and Program in
rianning, University of Foronto, Foronto,		Planning, University of Toronto, Toronto,

	Canada Jiangeu Dravingial Kay
	Canada Jiangsu Provincial Key
	Laboratory of Geographic Information
	Science and Technology, International
	Institute for Earth System Science, Nanjing
	University, Nanjing, People's Republic
	of China College of Environmental and
	Resource Science, Zhejiang A & F
	University, Linan, Peopleâ€ [™] s Republic of
	China School of Resources and
	Environment, Anhui Agricultural
	University, Hefei, People's Republic of
	China; School of Civil Engineering, Hefei
	University of Technology, Hefei,
	Peopleâ€ [™] s Republic of China School of
	Civil Engineering, Hefei University of
	Technology, Hefei, People's Republic
	of China School of Civil Engineering,
	Hefei University of Technology, Hefei,
	Peopleâ€ [™] s Republic of China School of
	Civil Engineering, Hefei University of
	Technology, Hefei, People's Republic
	of China
Wavelength Conversion Efficiency	School of Astronautics and National Key
Enhancement in Modal Phase Matched	Laboratory of Science and Technology on
<pre>\$\chi^{\hbox{{(2)}}}\$ Nonlinear</pre>	Tunable Laser, Harbin Institute of
Waveguides	Technology, Harbin, China School of
	Astronautics and National Key Laboratory
	of Science and Technology on Tunable
	Laser, Harbin Institute of Technology,
	Harbin, China The Edward S. Rogers
	Department of Electrical and Computer
	Engineering, Centre for Quantum
	Information and Quantum Control,
	University of Toronto, Toronto, ON,
	Canada School of Astronautics and
	National Key Laboratory of Science and
	Technology on Tunable Laser, Harbin
	Institute of Technology, Harbin, China
	School of Astronautics and National Key
	Laboratory of Science and Technology on
	Tunable Laser, Harbin Institute of
	Technology, Harbin, China School of
	Astronautics and National Key Laboratory
	of Science and Technology on Tunable
	Laser, Harbin Institute of Technology,
	Harbin, China
	man ville, Chillia

Slopes and intercepts from log-log correlations of gas/particle quotient and octanol-air partition coefficient (vapor- pressure) for semi-volatile organic compounds: I. Theoretical analysis	IJRC-PTS-NA, Toronto, Ontario, M2N 6X9, Canada; International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), State Key Laboratory of Urban Water Resource and Environment/ School of Environment, Harbin Institute of Technology, Harbin, 150090, PR China; IJRC-PTS, College of Environmental Science and Engineering, Dalian Maritime University, Dalian, PR China Department of Marine Sciences, Marine College, Shandong University, Weihai, 264209, China; International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), State Key Laboratory of Urban Water Resource and Environment/ School of Environment, Harbin Institute of Technology, Harbin, 150090, PR China Institute of Ocean Sciences, Department of Fisheries and Oceans, P.O. Box 6000, Sidney, BC, V8L 4B2, Canada
Time trends of persistent organic pollutants (POPs) and Chemicals of Emerging Arctic Concern (CEAC) in Arctic air from 25 years of monitoring	Air Quality Processes Research Section, Environment and Climate Change Canada, 4905 Dufferin St., Toronto, ON M3H 5T4, Canada. Air Quality Processes Research Section, Environment and Climate Change Canada, 4905 Dufferin St., Toronto, ON M3H 5T4, Canada. Electronic address: hayley.hung@canada.ca. Air Quality Processes Research Section, Environment and Climate Change Canada, 4905 Dufferin St., Toronto, ON M3H 5T4, Canada. NILU, Norwegian Institute for Air Research, P.O. Box 100, NO-2027 Kjeller, Norway NILU, Norwegian Institute for Air Research, P.O. Box 100, NO-2027 Kjeller, Norway NILU, Norwegian Institute for Air Research, P.O. Box 100, NO-2027 Kjeller, Norway IVL Swedish Environmental Research Institute, P.O. Box 47086, Göteborg 40 258, Sweden. IVL Swedish Environmental Research Institute, P.O. Box 47086, Göteborg 40 258, Sweden. University of

	Reykjavik, Iceland Icelandic
	Meteorological Office, Bustadavegur 7-9,
	105 Reykjavik, Iceland. Department of
	Environmental Science, Arctic Research
	Center, Aarhus University,
	Frederiksborgvej 399, 4000 Roskilde,
	Denmark Department of Environmental
	Science, Arctic Research Center, Aarhus
	University, Frederiksborgvej 399, 4000
	Roskilde, Denmark Department of
	Environmental Science, Arctic Research
	Center, Aarhus University,
	Frederiksborgvej 399, 4000 Roskilde,
	Denmark Finnish Meteorological Institute
	0
	P.O. Box 503, FI-00101 Helsinki, Finland
	National Laboratory for Environmental
	Testing, National Water Research
	Institute, Environment and Climate
	Change Canada, Burlington, ON L7R 4A6,
	Canada State Key Laboratory of Urban
	Water Resource and Environment, Harbin
	Institute of Technology, Harbin 150090,
	China Airzone One Ltd., 222, Matheson
	Blvd. E., Mississauga, ON L4Z 1X1,
	Canada. Airzone One Ltd., 222, Matheson
	Blvd. E., Mississauga, ON L4Z 1X1,
	Canada. Airzone One Ltd., 222, Matheson
	Blvd. E., Mississauga, ON L4Z 1X1,
	Canada. IPEM RPA Typhoon, Obninsk,
	Kaluga reg, Pobeda str, 4, Russian
	Federation. IPEM RPA Typhoon,
	Obninsk, Kaluga reg, Pobeda str, 4,
	Russian Federation. Arctic Monitoring
	and Assessment Programme Secretariat,
	The Fram Centre, Box 6606, Langnes, 9296
	TromsÃ, Norway.
Mixed Coalitional Stabilities With Full	College of Economics and Management,
	8
Participation of Sanctioning Opponents	Nanjing University of Aeronautics and
Within the Graph Model for Conflict	Astronautics, Nanjing, China; University
Resolution	of Waterloo, Waterloo, Canada College of
	Economics and Management, Nanjing
	University of Aeronautics and
	Astronautics, Nanjing, China; University
	of Waterloo, Waterloo, Canada Balsillie
	School of International Affairs, University
	of Waterloo, Waterloo, Canada; Centre for

Γ	Internet for al Community of the
	International Governance Innovation,
	University of Waterloo, Waterloo, Canada;
	University of Waterloo, Waterloo, Canada
	Ryerson University, Toronto, Canada;
	University of Waterloo, Waterloo, Canada
Slopes and intercepts from log-log	Department of Marine Sciences, Marine
correlations of gas/particle quotient and	College, Shandong University, Weihai,
octanol-air partition coefficient (vapor-	264209, China; International Joint
pressure) for semi-volatile organic	Research Center for Persistent Toxic
compounds: II. Theoretical predictions vs.	Substances (IJRC-PTS), State Key
monitoring	Laboratory of Urban Water Resource and
8	Environment, Harbin Institute of
	Technology, Harbin, 150090, PR China
	International Joint Research Center for
	Persistent Toxic Substances (IJRC-PTS),
	State Key Laboratory of Urban Water
	Resource and Environment, Harbin
	Institute of Technology, Harbin, 150090,
	PR China International Joint Research
	Center for Persistent Toxic Substances
	(IJRC-PTS), State Key Laboratory of
	Urban Water Resource and Environment,
	Harbin Institute of Technology, Harbin,
	150090, PR China International Joint
	Research Center for Persistent Toxic
	Substances (IJRC-PTS), State Key
	Laboratory of Urban Water Resource and
	Environment, Harbin Institute of
	Technology, Harbin, 150090, PR China
	International Joint Research Center for
	Persistent Toxic Substances (IJRC-PTS),
	State Key Laboratory of Urban Water
	Resource and Environment, Harbin
	Institute of Technology, Harbin, 150090,
	PR China IJRC-PTS, College of
	Environmental Science and Engineering,
	Dalian Maritime University, Dalian, PR
	China College of Environmental Science
	and Engineering, Tongji University,
	Shanghai, 200092, China International
	Joint Research Center for Persistent Toxic
	Substances (IJRC-PTS), State Key
	Laboratory of Urban Water Resource and
	Environment, Harbin Institute of
	Technology, Harbin, 150090, PR China
	Institute of Ocean Sciences, Department of

	Fisheries and Oceans, P.O. Box 6000, Sidney, BC, V8L 4B2, Canada Institute of Natural Sciences, North-Eastern Federal University, Russia Department of Marine Sciences, Marine College, Shandong University, Weihai, 264209, China; International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), State Key Laboratory of Urban Water Resource and Environment, Harbin Institute of Technology, Harbin, 150090, PR China; IJRC-PTS-NA, Toronto, Ontario, M2N 6X9, Canada
Chinese Millenials' happiness and materialism: Explanations from two life course theories, selfesteem, and money attitudes	Marketing Department, School of Business Sciences University of the Witwatersrand Johannesburg South Africa Ted Rogers School of Retail Management Ryerson University Toronto Canada Department of Marketing Beijing Institute of Technology Beijing China
Principled Exploration via Optimistic Bootstrapping and Backward Induction	Harbin Institute of Technology Northwestern University [Tencent AI Lab] Tianjin University [University of Toronto, Vector Institute, NVIDIA] Harbin Institute of Technology Northwestern U.;
Maximal almost disjoint families, determinacy, and forcing	Department of Mathematical Sciences, University of Copenhagen, Universitetsparken 5, 2100 Copenhagen, Denmark Institute for Advanced Study in Mathematics, Harbin Institute of Technology, 92 West Da Zhi Street, Harbin, Heilongjiang 150001, China; Department of Computer and Mathematical Sciences, University of Toronto Scarborough, 1095 Military Trail, Toronto, ON, M1C1A4, Canada Department of Mathematical Sciences, University of Copenhagen, Universitetsparken 5, 2100 Copenhagen, Denmark
Fate processes of Parabens, Triclocarban and Triclosan during wastewater treatment: assessment via field measurements and model simulations	International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), State Key Laboratory of Urban Water Resource and Environment, Harbin Institute of Technology, Harbin, China

	International Joint Research Center for
	Arctic Environment and Ecosystem (IJRC-
	AEE), Polar Academy, Harbin Institute of
	Technology, Harbin, China IJRC-PTS-
	NA & IJRC-AEE-NA, Toronto, Canada;
	Department of Chemistry and
	Biochemistry, Concordia University,
	Québec, Canada International Joint
	Research Center for Arctic Environment
	and Ecosystem (IJRC-AEE), Polar
	Academy, Harbin Institute of Technology,
	Harbin, China IJRC-PTS-NA & IJRC-
	AEE-NA, Toronto, Canada; International
	Joint Research Center for Arctic
	Environment and Ecosystem (IJRC-AEE),
	Polar Academy, Harbin Institute of
	Technology, Harbin, China Institute of
	Natural Sciences, North-Eastern Federal
	University, Yakutsk, Russia IJRC-PTS-
	NA & IJRC-AEE-NA, Toronto, Canada;
	International Joint Research Center for
	Arctic Environment and Ecosystem (IJRC-
	AEE), Polar Academy, Harbin Institute of
	Technology, Harbin, China
Determination of Polycyclic Aromatic	International Joint Research Center for
Hydrocarbons and Their Methylated	Persistent Toxic Substances (IJRC-PTS),
Derivatives in Sewage Sludge from	State Key Laboratory of Urban Water
Northeastern China: Occurrence, Profiles	Resource and Environment, Harbin
and Toxicity Evaluation	Institute of Technology (HIT), Harbin
	150090, China. International Joint
	Research Center for Persistent Toxic
	Substances (IJRC-PTS), State Key
	Laboratory of Urban Water Resource and
	Environment, Harbin Institute of
	Technology (HIT), Harbin 150090, China
	Heilongjiang Institute of Labor Hygiene
	and Occupational Diseases, Harbin 150028,
	China Heilongjiang Institute of Labor
	Hygiene and Occupational Diseases,
	Harbin 150028, China International Joint
	Research Center for Persistent Toxic
	Substances (IJRC-PTS), State Key
	Laboratory of Urban Water Resource and
	Environment, Harbin Institute of
	Technology (HTT). Harbin 150090. Ching
	Technology (HIT), Harbin 150090, China International Joint Research Center for

Tensile and cyclic deformation response of	Persistent Toxic Substances (IJRC-PTS), State Key Laboratory of Urban Water Resource and Environment, Harbin Institute of Technology (HIT), Harbin 150090, China International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), State Key Laboratory of Urban Water Resource and Environment, Harbin Institute of Technology (HIT), Harbin 150090, China Institute of Natural Sciences, North- Eastern Federal University, 677000 Yakutsk, Russia International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), State Key Laboratory of Urban Water Resource and Environment, Harbin Institute of Technology (HIT), Harbin 150090, China; JJRC-PTS-NA, Toronto, ON M2N 6X9, Canada Department of Mechanical and Industrial
friction-stir-welded dissimilar aluminum	Engineering, Ryerson University, 350
alloy joints: Strain localization effect	Victoria Street, Toronto, Ontario M5B
	2K3, Canada; State Key Laboratory of
	Solidification Processing, Shaanxi Key
	Laboratory of Friction Welding
	Technologies, Northwestern Polytechnical
	University, Xi'an 710072, China State
	Key Laboratory of Solidification
	Processing, Shaanxi Key Laboratory of Friction Welding Technologies,
	Northwestern Polytechnical University,
	Xiâ€ [™] an, 710072, China Department of
	Mechanical and Industrial Engineering,
	Ryerson University, 350 Victoria Street,
	Toronto, Ontario, M5B 2K3, Canada
Transient-based leak detection in the	Dept. of Civil and Environmental
frequency domain considering	Engineering, The Hong Kong Polytechnic
fluid–structure interaction and	University (HKPolyU), Hong Kong, China
viscoelasticity	Dept. of Civil and Mineral Engineering,
	University of Toronto, 44 St. George St., Toronto, ON M5S 2E4, Canada
	Department of Civil and Environmental
	Engineering, Hong Kong University of
	Science and Technology, Clear Water Bay,
	Hong Kong, China Key Laboratory on

	Reliability and Environmental Engineering Technology, School of Reliability and Systems Engineering, Beihang University, Xueyuan Road No. 37, Haidian District,
	Beijing 100083, China
Fate and Occurrence of Polycyclic	International Joint Research Center for
Aromatic Hydrocarbons and Their	Persistent Toxic Substances (IJRC-PTS),
Derivatives in Water and Sediment from	State Key Laboratory of Urban Water
Songhua River, Northeast China	Resource and Environment, Harbin
	Institute of Technology (HIT), Harbin
	150090, China International Joint
	Research Center for Persistent Toxic
	Substances (IJRC-PTS), State Key
	Laboratory of Urban Water Resource and
	Environment, Harbin Institute of Technology (HIT), Harbin 150090, China
	Heilongjiang Institute of Labor Hygiene
	and Occupational Diseases, Harbin 150028,
	China Heilongjiang Institute of Labor
	Hygiene and Occupational Diseases,
	Harbin 150028, China International Joint
	Research Center for Persistent Toxic
	Substances (IJRC-PTS), State Key
	Laboratory of Urban Water Resource and
	Environment, Harbin Institute of
	Technology (HIT), Harbin 150090, China
	International Joint Research Center for
	Persistent Toxic Substances (IJRC-PTS),
	State Key Laboratory of Urban Water
	Resource and Environment, Harbin
	Institute of Technology (HIT), Harbin
	150090, China International Joint
	Research Center for Persistent Toxic
	Substances (IJRC-PTS), State Key
	Laboratory of Urban Water Resource and
	Environment, Harbin Institute of
	Technology (HIT), Harbin 150090, China
	Institute of Natural Sciences, North-
	Eastern Federal University, 677000
	Yakutsk, Russia International Joint Research Center for Persistent Toxic
	Substances (IJRC-PTS), State Key Laboratory of Urban Water Resource and
	Environment, Harbin Institute of
1	Technology (HIT), Harbin 150090, China;

	LIDC DTS NA Toronto ON MON (VO
	IJRC-PTS-NA, Toronto, ON M2N 6X9, Canada
A Review on Additive Manufacturing of Titanium Alloys for Aerospace Applications: Directed Energy Deposition and Beyond Ti-6Al-4V	Canada Department of Materials Science and Engineering; University of Toronto; Toronto Canada Ningbo Institute of Technology, Beihang University, Ningbo, Peopleâ€ TM s Republic of China; Research Institute for Frontier Science, Beihang University, Beijing, Peopleâ€ TM s Republic of China Department of Materials Science and Engineering, University of Toronto, Toronto, Canada Department of Materials Science and Engineering,
	University of Toronto, Toronto, Canada
High-speed nanoindentation mapping of a near-alpha titanium alloy made by additive manufacturing	Department of Materials Science and Engineering; University of Toronto; Toronto Canada Department of Materials Science and Engineering, University of Toronto, Toronto, Canada; Department of Mechanical and Energy Engineering, Southern University of Science and Technology, Guangdong, Peopleâ€ TM s Republic of China Research Institute for Frontier Science, Beihang University, Beijing, Peopleâ€ TM s Republic of China Department of Materials Science and Engineering, University of Toronto, Toronto, Canada
TOP-Net Prediction Model Using	Key Laboratory for Biomechanics and
Bidirectional Long Short-term Memory and Medical-Grade Wearable Multisensor System for Tachycardia Onset: Algorithm Development Study	Mechanobiology of Ministry of Education, Beijing Advanced Innovation Center for Biomedical Engineering, School of Biological Science and Medical Engineering Beihang University Beijing China Department of Computer Management and Application, Chinese PLA General Hospital, Beijing, China. Center for Artificial Intelligence in Medicine, Chinese PLA General Hospital, Beijing, China. Laboratory for Computational Physiology, Institute for Medical Engineering and Science, Massachusetts Institute of Technology, Cambridge, MA, United States. Medical School of Chinese PLA, Beijing, China. US Research Lab, PingAn Tech, San

	Francisco, CA, United States. Beijing SensEcho Science & Technology Co., Ltd, Beijing, China. Dept. of Comput. Sci. & Tech, Tsinghua Univ., Beijing, China [Hangzhou Innovation Institute, Beihang University, Beijing, China] Faculty of Arts & Science, University of Toronto, Toronto, ON, Canada. Department of Hyperbaric Oxygen, Chinese PLA General Hospital, Beijing, China. Key Laboratory for Biomechanics and Mechanobiology of Ministry of Education, Beijing Advanced Innovation Center for Biomedical Engineering, School of Biological Science and Medical Engineering Beihang University Beijing China
Electro-elastic field of a piezoelectric quasicrystal medium containing two cylindrical inclusions	State Key Laboratory of Mechanics and Control of Mechanical Structures, Nanjing University of Aeronautics and Astronautics, Nanjing, China Dept. of Mechanical & Industrial Engineering, University of Toronto, Toronto, Canada#TAB# School of Civil Engineering, Nanjing Forestry University, Nanjing, China Department of Engineering Mechanics, Southeast University, Nanjing, China
Occurrence, Removal, and Mass Balance	International Joint Research Center for
of Polycyclic Aromatic Hydrocarbons and	Persistent Toxic Substances (IJRC-PTS),
Their Derivatives in Wastewater Treatment Plants in Northeast China	State Key Laboratory of Urban Water Resource and Environment, Harbin Institute of Technology (HIT), Harbin 150090, China. International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), State Key Laboratory of Urban Water Resource and Environment, Harbin Institute of Technology (HIT), Harbin 150090, China Heilongjiang Institute of Labor Hygiene and Occupational Diseases, Harbin 150028, China Heilongjiang Institute of Labor Hygiene and Occupational Diseases, Harbin 150028, China International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), State Key Laboratory of Urban Water Resource and

	Environment, Harbin Institute of
	Technology (HIT), Harbin 150090, China
	International Joint Research Center for
	Persistent Toxic Substances (IJRC-PTS),
	State Key Laboratory of Urban Water
	Resource and Environment, Harbin
	Institute of Technology (HIT), Harbin
	150090, China International Joint
	Research Center for Persistent Toxic
	Substances (IJRC-PTS), State Key
	Laboratory of Urban Water Resource and
	Environment, Harbin Institute of
	Technology (HIT), Harbin 150090, China
	Institute of Natural Sciences, North-
	Eastern Federal University, 677000
	Yakutsk, Russia Faculty of Chemistry,
	Biotechnology & Food Sciences (KBM),
	Norwegian University of Life Sciences
	(NMBU), 1432 Ãs, Norway;
	International Joint Research Center for
	Persistent Toxic Substances (IJRC-PTS),
	State Key Laboratory of Urban Water
	Resource and Environment, Harbin
	Institute of Technology (HIT), Harbin
	150090, China International Joint
	Research Center for Persistent Toxic
	Substances (IJRC-PTS), State Key
	Laboratory of Urban Water Resource and
	Environment, Harbin Institute of
	Technology (HIT), Harbin 150090, China;
	IJRC-PTS-NA, Toronto, ON M2N 6X9,
	Canada
Organic Molecules: Desirable Candidates	Shenyuan Honors College, Beihang
for NIR-II Window Bioimaging	University, Haidian District, Beijing
	100191, China Department of Materials
	Science and Engineering, University of
	Toronto, Toronto, Ontario, M5S 3E4,
	Canada Department of Chemical
	Engineering & Applied Chemistry,
	University of Toronto, Toronto, Ontario,
	M5S 3E4, Canada
Editorial: Enougy Stores of Sustains Devend	
Editorial: Energy Storage Systems Beyond	Department of Chemical and Materials
Li-Ion Intercalation Chemistry	Engineering, School of Engineering and
	Digital Sciences, Nazarbayev University,
	Kazakhstan Harbin Engineering
	University, China University of British

	Columbia Okanagan, Canada University of Toronto, Canada
Dynamic modeling and optimal control of cystic echinococcosis	College of Mathematical Sciences, Harbin Engineering University, Harbin, Peopleâ€ [™] s Republic of China; School of Mathematics and Statistics, Northeast Normal University, Changchun, Peopleâ€ [™] s Republic of China School of Mathematics and Statistics, Northeast Normal University, Changchun, Peopleâ€ [™] s Republic of China CDM, LAMPS and Department of Mathematics and Statistics, York University, Toronto, Canada Animal Health Supervision Institute of Xingan League, Tiexi North Road, Ulanhot, Peopleâ€ [™] s Republic of China
Hydrophobic Porous Polypropylene with Hierarchical Structures for Ultrafast and Highly Selective Oil/Water Separation	Microcellular Plastics Manufacturing Laboratory, Department of Mechanical and Industrial Engineering, University of Toronto, Toronto, Ontario M5S 3G8, Canada; State Key Laboratory of Urban Water Resource and Environment, Harbin Institute of Technology, Harbin, Heilongjiang 150090, China CREPEC, Department of Chemical Engineering, École Polytechnique de Montréal, Montréal, Québec H3C 3A7, Canada CREPEC, Department of Chemical Engineering, École Polytechnique de Montréal, Montréal, Québec H3C 3A7, Canada Microcellular Plastics Manufacturing Laboratory, Department of Mechanical and Industrial Engineering, University of Toronto, Toronto, Ontario M5S 3G8, Canada Microcellular Plastics Manufacturing Laboratory, Department of Mechanical and Industrial Engineering, University of Toronto, Toronto, Ontario M5S 3G8, Canada Microcellular Plastics Manufacturing Laboratory, Department of Mechanical and Industrial Engineering, University of Toronto, Toronto, Ontario M5S 3G8, Canada Microcellular Plastics Manufacturing Laboratory, Department of Mechanical and Industrial Engineering, University of Toronto, Toronto, Ontario M5S 3G8, Canada Microcellular Plastics Manufacturing Laboratory, Department of Mechanical and Industrial Engineering, University of Toronto, Toronto, Ontario M5S 3G8, Canada Microcellular Plastics Manufacturing Laboratory, Department of Mechanical and Industrial Engineering, University of Toronto, Toronto, Ontario M5S 3G8, Canada Microcellular Plastics
A Novel Three-parameter Weibull	Civil Aviation Key Laboratory of Aircraft
Distribution Parameter Estimation Using	Health Monitoring and Intelligent

Chaos Simulated Annealing Particle Swarm Optimization in Civil Aircraft Risk Assessment	Maintenance, College of Civil Aviation, Nanjing University of Aeronautics and Astronautics, Nanjing, Peopleâ€ TM s Republic of China; Department of Mechanical and Industrial Engineering, University of Toronto, Toronto, Canada College of Science, Nanjing University of Aeronautics and Astronautics, Nanjing, Peopleâ€ TM s Republic of China; Department of Mechanical and Industrial Engineering, University of Toronto, Toronto, Canada Civil Aviation Key Laboratory of Aircraft Health Monitoring and Intelligent Maintenance, College of Civil Aviation, Nanjing University of Aeronautics and Astronautics, Nanjing, Peopleâ€ TM s Republic of China
Adaptive Underactuated Orbit/Attitude Control for Space Debris Rendezvous	Harbin Institute of Technology, Research Center of Satellite Technology,Harbin,China,150080 University of Toronto Institute for Aerospace Studies Aerospace Mechatronics Group,Toronto,Ontario,Canada,M3H 5T6
Two Actuation Methods for a Complete Morphing System Composed of a VGTM and a Compliant Parallel Mechanism	Department of Aerospace Engineering, Ryerson University, Toronto, ON, M5B 2K3, Canada School of Mechatronic Engineering and Automation, Shanghai University, Shanghai 200444, China Department of Aerospace Engineering, Ryerson University, Toronto, ON M5B 2K3, Canada;; Robotics Institute, School of Mechanical Engineering and Automation, Beihang University, Beijing 100191, China School of Mechanical and Electrical Engineering,Shenzhen Polytechnic, Shenzhen 518055,China) School of Mechatronic Engineering and Automation, Shanghai University, Shanghai 200444, China
Model Reference Adaptive Control for Aortic Pressure Regulation in Ex Vivo Heart Perfusion	Dept. of Mechanical & Industrial Engineering, University of Toronto, Toronto, Canada#TAB# School of Astronautics, Harbin Institute of Technology, Harbin, China School of Mechatronic Engineering and Automation

	Shanghai University Shanghai, China School of Astronautics, Harbin Institute ofTechnology , Harbin , China School ofComputer Engineering and Science;Shanghai University; Shanghai China Research Center of Robotics and MicroSystem, Soochow University, Suzhou,China Faculty of Medicine University ofToronto, Toronto, Canada. Dept. ofMechanical & Industrial Engineering,University of Toronto, Toronto,Canada#TAB#
MUDE-based control of quadrotor for accurate attitude tracking	Institute for Aerospace Studies, University of Toronto, Toronto, Canada; School of Aerospace Engineering, Beijing Institute of Technology, Beijing, China; School of System Science and Engineering, Sun Yat- Sen University, Guangzhou, China Institute for Aerospace Studies, University of Toronto, Toronto, Canada; School of Aeronautics and Astronautics, University of Electronic Science and Technology of China, Chengdu, China; China Aerodynamics Research and Development Center, Mianyang, China School of Aerospace Engineering, Beijing Institute of Technology, Beijing, China School of Aerospace Engineering, Beijing Institute of Technology, Beijing, China Institute for Aerospace Studies, University of Toronto, Toronto, Canada
Lunar flyby transfers to axial orbit	School of Aerospace Engineering, BeijingInstitute of Technology, 5 SouthZhongguancun Street, Beijing 100081,China Department of AerospaceEngineering, Ryerson University, 350Victoria Street, Toronto, ON, M5B 2K3Canada
Performance of an omnidirectional piezoelectric wind energy harvester	Engineering Research Center of Urban Disasters Prevention and Fire Rescue Technology of Hubei Province, School of Civil Engineering, Wuhan University, Wuhan, China School of Civil and Environmental Engineering, Harbin Institute of Technology Shenzhen, China Engineering Research Center of Urban

	Disasters Prevention and Fire Rescue Technology of Hubei Province, School of Civil Engineering, Wuhan University, Wuhan, China Department of Civil & Mineral Engineering University of Toronto Toronto Ontario Canada; Engineering Research Center of Urban Disasters Prevention and Fire Rescue Technology of Hubei Province, School of Civil Engineering Wuhan University Wuhan China Centre for Wind, Waves and Water, School of Civil Engineering The University of Sydney Sydney New South
Flocking in a two-agent Cucker-Smale model with large delay	Wales Australia School of Mathematics and Institute forAdvanced Study in Mathematics, HarbinInstitute of Technology, Harbin 150001,People's Republic of China
	Laboratory for Industrial and Applied Mathematics and Department of Mathematics and Statistics, York University, Toronto, Ontario M3J 1P3 Canada
Toward dataâ€□efficient learning: A	Department of Mathematics, Nanjing
benchmark for COVIDâ€□19 CT lung and	University of Science and Technology,
infection segmentation	Nanjing 210094, P. R. China Institute of Computing Technology, Chinese Academy of Sciences, University of Chinese Academy of Sciences, Beijing, 100190, P. R. China. China Electronics Cloud Brain (Tianjin) Technology CO., Ltd Tianjin300309P. R. China Institute of Bioinformatics and Medical Engineering, Jiangsu University of Technology, Changzhou, 213001, P. R. China. Institute of Science and Technology for Brain-inspired Intelligence, Fudan University, Shanghai, 200433, P. R.
	China. Department of Medical Biophysics, University of Toronto, Toronto ON M5G 1L7, Canada Department of Radiology, Nanjing Drum Tower Hospital, the Affiliated Hospital of Nanjing University Medical School, Nanjing, 210008, P. R. China. Department of Radiology, Nanjing Drum Tower Hospital, the Affiliated Hospital of Nanjing

	University Medical School, Nanjing,
	210008, P. R. China. Department of
	Radiology, Nanjing Drum Tower Hospital,
	the Affiliated Hospital of Nanjing
	University Medical School, Nanjing,
	210008, P. R. China. Lenovo Ltd., Beijing,
	100094, P. R. China. China Electronics
	Cloud Brain (Tianjin) Technology CO.,
	Ltd Tianjin300309P. R. China
	Department of Mathematics, Nanjing
	University, Nanjing 210093, P.R. China
	Department of Mathematics, Nanjing
	University, Nanjing 210093, P.R. China
	Department of Mathematics, Nanjing
	University, Nanjing 210093, P.R. China
Robust long-range magnetic correlation	Department of Physics, University of
across antiphase domain boundaries in	
L	Toronto, Toronto, Ontario, Canada M5S
CrReO	1A7#TAB# Department of Physics,
	University of Toronto, Toronto, Ontario,
	Canada M5S 1A7#TAB# Department of
	Physics, University of Toronto, Toronto,
	Ontario, Canada M5S 1A7#TAB# School
	of Physics, Key Laboratory of Micro-Nano
	Measurement-Manipulation and Physics
	(Ministry of Education), Beihang
	University, Beijing, 100191, China.
	National Synchrotron Light Source II,
	Brookhaven National Laboratory, Upton,
	New York 11973, USA Department of
	Physics and Astronomy, The University of
	Alabama, Tuscaloosa, Alabama 35487,
	USA Department of Physics The Ohio
	State University Columbus, Ohio 43210,
	USA Department of Physics, University of
	Toronto, Toronto, Ontario, Canada M5S
	1A7#TAB#
Image based control for rendervous and	Aerospace Mechatronics Group, Institute
Image-based control for rendezvous and	1 1 <i>7</i>
synchronization with a tumbling space	for Aerospace Studies, University of
debris	Toronto, Toronto, M3H 5T6, Canada;
	Research Center of Satellite Technology,
	Harbin Institute of Technology, 150080,
	Harbin, People's Republic of China
	Aerospace Mechatronics Group, Institute
	for Aerospace Studies, University of
	Toronto, Toronto, M3H 5T6, Canada
	Research Center of Satellite Technology ,

	Harbin Institute of Technology, 150080,
	Harbin, Peopleâ€ [™] s Republic of China
Characterization of Cooperators in	Melbourne School of Engineering, The
•	University of Melbourne, Melbourne, VIC,
Quorum Sensing With 2D Molecular	
Signal Analysis	Australia. , School of Engineering,
	University of Warwick, Coventry, U.K.
	Department of Electrical Engineering and
	Computer Science, York University,
	Toronto, ON, Canada. Research School of
	Electrical, Energy and Materials
	Engineering The Australian National
	University Canberra ACT Australia
	School of Information and Electronics,
	Beijing Institute of Technology, Beijing,
	China;
Diphenylamine Antioxidants in wastewater	Environment and Climate Change Canada,
influent, effluent, biosolids and landfill	Science and Technology Branch, 867
leachate: Contribution to environmental	Lakeshore Road Burlington, ON, L7S1A1,
releases	Canada; International Joint Research
	Center for Persistent Toxic Substances
	(IJRC-PTS), State Key Laboratory of
	Urban Water Resource and Environment,
	Harbin Institute of Technology, Harbin
	150090, China International Joint
	Research Center for Persistent Toxic
	Substances (IJRC-PTS), State Key
	Laboratory of Urban Water Resource and
	Environment, Harbin Institute of
	Technology, Harbin 150090, China
	University of Toronto, Toronto, ON, M5S
	3B1, Canada International Joint Research
	Center for Persistent Toxic Substances
	(IJRC-PTS), State Key Laboratory of
	Urban Water Resource and Environment,
	Harbin Institute of Technology, Harbin
	150090, China Environment and Climate
	Change Canada, Science and Technology Property 267 Lakesborg Dood Purlington
	Branch, 867 Lakeshore Road Burlington,
	ON, L7S1A1, Canada International Joint
	Research Center for Persistent Toxic
	Substances (IJRC-PTS), State Key
	Laboratory of Urban Water Resource and
	Environment, Harbin Institute of
	Technology, Harbin 150090, China; IJRC-
	PTS-NA, Toronto, M2N 6X9, Canada

Control Verifications of Space	Northwestern Polytechnical University,
Manipulators Using Ground Platforms	Xiâ€ [™] an China University of Toronto,
Mampulators Using Ground Flattorins	Toronto, Canada
Trainatory approaction for lunar flyby	
Trajectory correction for lunar flyby	School of Aerospace Engineering Beijing
transfers to libration point orbits using	Institute of Technology Beijing China
continuous thrust	Department of Aerospace Engineering,
	Ryerson University, Toronto, Canada
Modeling of a Complete Morphing	Department of Aerospace Engineering,
Mechanism Covered by a Paneled	Ryerson University, Toronto, ON, M5B
Morphing Skin	2K3, Canada Department of Aerospace
	Engineering, Ryerson University, Toronto,
	ON, M5B 2K3, Canada Department of
	Aerospace Engineering, Ryerson
	University, Toronto, ON, M5B 2K3,
	Canada School of Mechanical
	Engineering and Automation, Harbin
	Institute of Technology (SZ), Xili,
	Shenzhen 518055China
Robust Optimization for Precision Product	Department of Mechanical and Industrial
using Taguchi-RSM and Desirability	Engineering, University of Toronto,
Function	Toronto, Canada; School of Economics and
Function	
	Management, Nanjing University of
	Science and Technology, Nanjing, China
	(College of Civil Engineering, Fuzhou
	University, Fuzhou, China) School of
	Management Science and Industrial
	Engineering Nanjing University of Finance
	and Economics Nanjing China School of
	Economics & Management Nanjing
	University of Science and Technology
	Nanjing China School of Economics &
	Management Nanjing University of Science
	and Technology Nanjing China
Orbital analysis of small bodies in co-	School of Aerospace Engineering, Beijing
orbital motion with Jupiter through the	Institute of Technology, 5 South
torus structure	Zhongguancun Street, Beijing 100081,
	China Department of Aerospace
	Engineering, Ryerson University, 350
	Victoria Street, Toronto, ON, M5B 2K3
	Canada
Throughput Maximization for Intelligent	School of Information and Electronics,
Reflecting Surface Aided MIMO WPCNs	Beijing Institute of Technology, Beijing,
With Different DL/UL Reflection Patterns	China; State Key Laboratory of Internet of
	Things for Smart City, University of
	e i i i
	Macau, Macau, China School of
	Information and Electronics, Beijing

	Institute of Technology, Beijing, China; School of Information and Electronics, Beijing Institute of Technology, Beijing, China; Department of Electrical, Computer and Biomedical Engineering, Ryerson University, Toronto, ON, Canada. School of Information and Electronics, Beijing Institute of Technology, Beijing, China;
Interaction between positive and negative dielectric microparticles/microorganism in optoelectronic tweezers	School of Mechanical Engineering and Automation, Beihang University, Beijing 100191, China School of Mechanical Engineering and Automation, Beihang University, Beijing 100191, China School of Mechanical Engineering and Automation, Beihang University, Beijing 100191, China School of Mechanical Engineering and Automation, Beihang University, Beijing 100191, China School of Mechanical Engineering and Automation, Beihang University, Beijing 100191, China School of Mechatronical Engineering, Beijing Institute of Technology, Beijing 100081, China] Department of Chemistry, University of Toronto 80 St. George St., Toronto, ON M5S 3H6, Canada School of Mechanical Engineering & Automation, Beihang University, Beijing, 100191, China; Beijing Advanced Innovation Center for Biomedical Engineering & Automation, Beihang University, Beijing, 100191, China; Beijing University, Beijing, 100191, China School of Mechanical Engineering & Automation, Beihang University, Beijing, 100191, China; Beijing Advanced Innovation Center for Biomedical Engineering & Automation, Beihang University, Beijing, 100191, China School of Mechanical Engineering & Automation, Beihang University, Beijing, 100191, China School of Mechanical Engineering & Automation, Beihang University, Beijing, 100191, China School of Mechanical Engineering & Automation, Beihang University, Beijing, 100191, China School of Mechanical Engineering & Automation,
Present and future resilience research driven by science and technology	Beihang University, Beijing, 100191, China Department of Structural Geotechnical and Building Engineering (DISEG), Politecnico di Torino Turin Italy Department of Structural Geotechnical and Building Engineering (DISEG), Politecnico di Torino Turin Italy Institute of Engineering Mechanics (IEM), China Earthquake Administration (CEA), China

	Environmental Engineering, University at
	Buffalo, New York, USA Department of
	Urban and Civil Engineering, Faculty of
	Engineering, Ibaraki University, Ibaraki
	Prefecture, Japan Department of Civil,
	Geomatic and Environmental Engineering
	(D-BAUG), ETH Zurich, Switzerland
	California Polytechnic State University,
	San Luis Obispo, California, USA.
	University of Manitoba, , Winnipeg,
	Manitoba, CanadÃ; Department of
	Disaster Mitigation for Structures; Tongji
	University; Shanghai China Department
	of Civil Engineering, Tsinghua University,
	Beijing, China Department of Civil and
	Mechanics, Harbin Institute of Technology,
	Shenzhen, China Department of Civil &
	Mineral Engineering University of Toronto
	Toronto Canada Department of Disaster
	Mitigation for Structures; Tongji
	University; Shanghai China Department
	of Civil and Environmental Engineering
	Waseda University Shinjuku Tokyo Japan
	Department of Civil and Environmental
	Engineering, UCLA, Los Angeles,
	California, USA Department of Safety
	Technologies and Protective Structures,
	Fraunhofer EMI, Freiburg, Germany
	Faculty of Engineering, University of
	Bristol Bristol, UK
Prediction Interval Estimation of	College of Automation Engineering,
Aeroengine Remaining Useful Life Based	Nanjing University of Aeronautics and
on Bidirectional Long Short-Term	Astronautics, Nanjing 211106, China
Memory Network	College of Automation Engineering,
	Nanjing University of Aeronautics and
	Astronautics, Nanjing 211106, China
	School of Earth Sciences and Engineering ,
	Hohai University, Nanjing 211100, China
	[Lassonde School of Engineering, York
	University, Toronto M3J1P3, Canada.]
Uncorrelated photon pair generation in	Harbin Institute of Technology, School of
asymmetric heterogeneously coupled	Astronautics and National Key Laboratory
waveguides	of Science and Technology on Tunable
	Laser, Harbin, China, 150001 Harbin
	Institute of Technology, School of Astronautics and National Key Laboratomy
	Astronautics and National Key Laboratory

	of Science and Technology on Tunable
	Laser,Harbin,China,150001 Harbin
	Institute of Technology, School of
	Astronautics and National Key Laboratory
	of Science and Technology on Tunable
	Laser,Harbin,China,150001 University of
	Toronto, The Edward S. Rogers
	Department of Electrical and Computer
	Engineering, Toronto, Canada, M5S 3G4
	Harbin Institute of Technology, School of
	Astronautics and National Key Laboratory
	of Science and Technology on Tunable
	Laser,Harbin,China,150001
Estimation and inference of time-varying	Institute for Advanced Study in
auto-covariance under complex trend: A	Mathematics at the Harbin Institute of
difference-based approach	Technology (HIT), China; Department of
	Statistical Sciences, University of Toronto,
	Canada Department of Statistics, Purdue
	University, USA Department of Statistical
	Sciences, University of Toronto, Canada
Nonlinear Pricing Based Distributed	School of Information and Electronics,
Offloading in Multi-User Mobile Edge	Beijing Institute of Technology, Beijing,
Computing	P.R China School of Information and
Computing	Electronics, Beijing Institute of
	Technology, Beijing, P.R China School of
	Information and Electronics, Beijing
	Institute of Technology, Beijing, P.R China
	School of Information and Electronics,
	Beijing Institute of Technology, Beijing,
	P.R China [Department of Electrical &
	Computer Engineering, University of
	Windsor, Windsor, ON, Canada]
	Department of Electrical, Computer, and
	Biomedical Engineering, Ryerson
	University, Toronto ON M5B 2K3, Canada
Impacts of reinforcement ratio and fatigue	School of Transportation Science and
load level on the chloride ingress and	Engineering, Beihang University, Haidian
service life estimating of fatigue loaded	District, Beijing 100191, China; College of
reinforced concrete (RC) beams	Architecture and Civil Engineering,
	Beijing University of Technology,
	Chaoyang District, Beijing 100124, China
	School of Transportation Science and
	Engineering, Beihang University, Haidian
	District, Beijing 100191, China; China
	Academy of Railway Sciences Co., Ltd.,
	Haidian District, Beijing 100081, China
	maiulali District, Deljing 100081, Unina

	School of Transportation Science and
	Engineering, Beihang University, Haidian
	District, Beijing 100191, China
	Department of Civil & Mineral
	Engineering, University of Toronto,
	Ontario M5S 1A4, Canada
Numerical investigation on the static	School of Mechatronic Engineering,
performance of aerostatic journal bearings	Harbin Institute of Technology, Nangang,
with different pocket shapes by the finite-	China; Department of Mechanical and
element method	Industrial Engineering, University of
	Toronto, Ontario, Canada Department of
	Mechanical and Industrial Engineering,
	University of Toronto, Ontario, Canada
	School of Mechatronic Engineering,
	S S.
	Harbin Institute of Technology, Nangang,
	China School of Mechatronic
	Engineering, Harbin Institute of
	Technology, Nangang, China
Connectivity Preservation and Obstacle	Institute for Aerospace Studies, University
Avoidance in Small Multi-Spacecraft	of Toronto, Toronto, Canada; School of
Formation with Distributed Adaptive	Astronautics, Beihang University, Beijing,
Tracking Control	China Institute for Aerospace Studies,
	University of Toronto, Toronto, Canada
	School of Astronautics, Beihang University,
	Beijing, CHINA.
Single-Beat Measurement of Left	School of Mechatronic Engineering and
Ventricular Contractility in Normothermic	AutomationShanghai University Shanghai
Ex Situ Perfused Porcine Hearts	University, Shanghai, China School of
	Mechatronic Engineering and
	AutomationShanghai University School of
	Mechatronic Engineering and
	AutomationShanghai University State
	Key Laboratory of Mechanical
	TransmissionsChongqing University
	School of AstronauticsHarbin Institute of
	Technology Faculty of
	MedicineUniversity of Toronto School of
	Mechatronic Engineering and
	AutomationShanghai University School of
	Mechatronic Engineering and
	AutomationShanghai University School of
	Mechatronic Engineering and
	AutomationShanghai University Division
	of Hepatobiliary and Pancreatic Surgery,
	Department of Surgery, Key Lab of
	Combined Multi-Organ Transplantation,

	Ministry of Public Health, First Affiliated HospitalZhejiang University School of Medicine Faculty of MedicineUniversity of Toronto Department of Mechanical & Industrial EngineeringUniversity of Toronto
Experimental studies on the effect of ultrasonic treatment and hydrogen donors on residual oil characteristics	School of Mechatronics Engineering,Harbin Institute of Technology, Harbin 150001, China) China University of Petroleum (Beijing), Beijing 102249, China; CNOOC EnerTech- Drilling & Production Co., Tianjin 300452, China College of Chemical Engineering, China University of Petroleum (Huadong), Qingdao 266580, China School of Mechatronics Engineering, Harbin Institute of Technology, Harbin 150001, China College of Chemical Engineering, China University of Petroleum (Huadong), Qingdao 266580, China School of Mechatronics Engineering, Harbin Institute of Technology, Harbin 150001, China University of Petroleum (Huadong), Qingdao 266580, China School of Mechatronics Engineering, Harbin Institute of Technology, Harbin 150001, China School of Mechatronics Engineering, Harbin Institute of Technology, Harbin 150001, China Department of Mechanical Engineering, Lassonde School of Engineering, York University, Toronto M3J 1P3, Canada
New equation to predict size-resolved gas- particle partitioning quotients for polybrominated diphenyl ethers	International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), State Key Laboratory of Urban Water Resource and Environment, Harbin Institute of Technology (HIT), Harbin, 150090, PR China; International Joint Research Center for Arctic Environment and Ecosystem (IJRC-AEE), Polar Academy, HIT (PA-HIT), Harbin, 150090, PR China; Heilongjiang Provincial Key Laboratory of Polar Environment and Ecosystem (HPKL-PEE), School of Environment, HIT, Harbin, 150090, PR China Department of Environmental Engineering, Shanghai Maritime University, Shanghai, 201306, PR China International Joint Research Center for Persistent Toxic Substances (IJRC-PTS),

State Key Laboratory of Urban Water
t t
Resource and Environment, Harbin
Institute of Technology (HIT), Harbin,
150090, PR China; International Joint
Research Center for Arctic Environment
and Ecosystem (IJRC-AEE), Polar
Academy, HIT (PA-HIT), Harbin, 150090,
PR China; Heilongjiang Provincial Key
Laboratory of Polar Environment and
Ecosystem (HPKL-PEE), School of
Environment, HIT, Harbin, 150090, PR
China International Joint Research
Center for Persistent Toxic Substances
(IJRC-PTS), State Key Laboratory of
Urban Water Resource and Environment,
Harbin Institute of Technology (HIT),
Harbin, 150090, PR China; International
Joint Research Center for Arctic
Environment and Ecosystem (IJRC-AEE),
Polar Academy, HIT (PA-HIT), Harbin,
150090, PR China; Heilongjiang Provincial
Key Laboratory of Polar Environment and
Ecosystem (HPKL-PEE), School of
Environment, HIT, Harbin, 150090, PR
China International Joint Research
Center for Persistent Toxic Substances
(IJRC-PTS), State Key Laboratory of
Urban Water Resource and Environment,
Harbin Institute of Technology (HIT),
Harbin, 150090, PR China; International
Joint Research Center for Arctic
Environment and Ecosystem (IJRC-AEE),
Polar Academy, HIT (PA-HIT), Harbin,
150090, PR China; Heilongjiang Provincial
Key Laboratory of Polar Environment and
Ecosystem (HPKL-PEE), School of
Environment, HIT, Harbin, 150090, PR
China International Joint Research
Center for Persistent Toxic Substances
(IJRC-PTS), State Key Laboratory of
Urban Water Resource and Environment,
Harbin Institute of Technology (HIT),
Harbin, 150090, PR China; International
Joint Research Center for Arctic
Environment and Ecosystem (IJRC-AEE),
Polar Academy, HIT (PA-HIT), Harbin,

150090, PR China; Heilongjiang Provincial
Key Laboratory of Polar Environment and
Ecosystem (HPKL-PEE), School of
Environment, HIT, Harbin, 150090, PR
China International Joint Research
Center for Persistent Toxic Substances
(IJRC-PTS), State Key Laboratory of
Urban Water Resource and Environment,
Harbin Institute of Technology (HIT),
Harbin, 150090, PR China; International
Joint Research Center for Arctic
Environment and Ecosystem (IJRC-AEE),
Polar Academy, HIT (PA-HIT), Harbin,
150090, PR China; Heilongjiang Provincial
Key Laboratory of Polar Environment and
Ecosystem (HPKL-PEE), School of
Environment, HIT, Harbin, 150090, PR
China Yantai Institute of Coastal Zone
Research, Chinese Academy of Sciences,
PR China Institute of Ocean Sciences,
Department of Fisheries and Oceans, P.O.
-
Box 6000, Sidney, BC, V8L 4B2, Canada
Institute of Natural Sciences, North-
Eastern Federal University, Russia School
of Environment, Key Laboratory for
Yellow River and Huai River Water
Environment and Pollution Control,
Ministry of Education, Henan Normal
University, Xinxiang, Henan, 453007, PR
China International Joint Research
Center for Persistent Toxic Substances
(IJRC-PTS), State Key Laboratory of
Urban Water Resource and Environment,
Harbin Institute of Technology (HIT),
Harbin, 150090, PR China; International
Joint Research Center for Arctic
Environment and Ecosystem (IJRC-AEE),
Polar Academy, HIT (PA-HIT), Harbin,
150090, PR China; IJRC-PTS-NA,
Toronto, Ontario, M2N 6X9, Canada;
Heilongjiang Provincial Key Laboratory of
Polar Environment and Ecosystem
(HPKL-PEE), School of Environment,
HIT, Harbin, 150090, PR China
1111, 1141 VIII, 130070, 1 K CIIIIIa

Epitope prediction for	ProMIS Neurosciences, Toronto, ON,
oligomerâ€⊡selective antibodies in tau and	Canada; University of British Columbia,
AÎ ²	Vancouver, BC, Canada University of
	British Columbia, Vancouver, BC, Canada
	University of British Columbia,
	Vancouver, BC, Canada Beijing Institute
	of Technology, Beijing, BC, China
	University of British Columbia,
	Vancouver, BC, Canada University of
	British Columbia, Vancouver, BC, Canada
	University of British Columbia,
	Vancouver, BC, Canada University of British Columbia, Vancouver, BC, Canada
	British Columbia, Vancouver, BC, Canada
	ProMIS Neurosciences, Toronto, ON,
	Canada ProMIS Neurosciences, Toronto, ON, Canada; University of British
	, , , ,
Substituted dinkerylemine entioxidents	Columbia, Vancouver, BC, Canada International Joint Research Center for
Substituted diphenylamine antioxidants	Persistent Toxic Substances (IJRC-PTS),
(SDPAs) in typical domestic wastewater treatment plants and Songhua River in the	State Key Laboratory of Urban Water
northeast of China	Resource and Environment, Harbin
northeast of China	Institute of Technology, Harbin, 150090,
	China; International Joint Research
	Center for Persistent Toxic Substances
	(IJRC-PTS), Heilongjiang Cold Region
	Wetland Ecology and Environment
	Research Key Laboratory, Harbin
	University, Harbin, 150086, China
	International Joint Research Center for
	Persistent Toxic Substances (IJRC-PTS),
	State Key Laboratory of Urban Water
	Resource and Environment, Harbin
	Institute of Technology, Harbin, 150090,
	China International Joint Research
	Center for Persistent Toxic Substances
	(IJRC-PTS), State Key Laboratory of
	Urban Water Resource and Environment,
	Harbin Institute of Technology, Harbin,
	150090, China International Joint
	Research Center for Persistent Toxic
	Substances (IJRC-PTS), Heilongjiang Cold
	Region Wetland Ecology and Environment
	Research Key Laboratory, Harbin
	University, Harbin, 150086, China
	International Joint Research Center for
	Persistent Toxic Substances (IJRC-PTS),

	State Key Laboratory of Urban Water
	Resource and Environment, Harbin
	Institute of Technology, Harbin, 150090,
	China International Joint Research
	Center for Persistent Toxic Substances
	(IJRC-PTS), State Key Laboratory of
	Urban Water Resource and Environment,
	Harbin Institute of Technology, Harbin,
	150090, China International Joint
	Research Center for Persistent Toxic
	Substances (IJRC-PTS), State Key
	Laboratory of Urban Water Resource and
	Environment, Harbin Institute of
	Technology, Harbin, 150090, China Air
	Quality Processes Research Section,
	Environment and Climate Change Canada,
	Toronto, M3H 5T4, Canada IJRC-PTS-
	NA, Toronto, M2N 6X9, Canada;
	International Joint Research Center for
	Persistent Toxic Substances (IJRC-PTS),
	State Key Laboratory of Urban Water
	Resource and Environment, Harbin
	Institute of Technology, Harbin, 150090,
	China
Low-thrust transfer to the Earth-Moon	Shenyuan Honors College, Beihang
triangular libration point via horseshoe	University, Beijing, 100191, China York
orbit	University, Toronto, M3J1P3, Canada.
	School of Astronautics, Beihang University,
	Beijing 100191 (China) The 9th Designing
	of CASIC, Wuhan, 430040, China
0D/2D Co3O4/TiO2 Z-Scheme	State Key Laboratory of Pollution Control
heterojunction for boosted photocatalytic	and Resource Reuse, School of the
degradation and mechanism investigation	Environment, Nanjing University, Nanjing,
act addition and meenanism myesugation	Jiangsu, 210023, China State Key
	Laboratory of Pollution Control and
	Resource Reuse, School of the
	Environment, Nanjing University, Nanjing,
	Jiangsu, 210023, China School of Chemical Engineering Naniing University
	Chemical Engineering, Nanjing University
	of Science and Technology, Nanjing,
	Jiangsu, 210094, China State Key
	Laboratory of Pollution Control and
	Resource Reuse, School of the
	Environment, Nanjing University, Nanjing,
	Jiangsu, 210023, China Department of Materials Science and Engineering,

	University of Toronto, Toronto, Ontario,
	M5S 3E4, Canada State Key Laboratory
	of Pollution Control and Resource Reuse,
	School of the Environment, Nanjing
	University, Nanjing, Jiangsu, 210023,
	China State Key Laboratory of Pollution
	Control and Resource Reuse, School of the
	Environment, Nanjing University, Nanjing,
	Jiangsu, 210023, China State Key
	Laboratory of Pollution Control and
	Resource Reuse, School of the
	Environment, Nanjing University, Nanjing,
	Jiangsu, 210023, China College of
	Environment, Hohai University, Nanjing,
	Jiangsu, 210098, China School of
	Chemical Engineering, Nanjing University
	J J J J J J J J J J J J J J J J J J J
	of Science and Technology, Nanjing,
	Jiangsu, 210094, China State Key
	Laboratory of Pollution Control and
	Resource Reuse, School of the
	Environment, Nanjing University, Nanjing,
	Jiangsu, 210023, China State Key
	Laboratory of Pollution Control and
	Resource Reuse, School of the
	Environment, Nanjing University, Nanjing,
	Jiangsu, 210023, China
Identifying influence patterns of regional	College of Economics and Management,
agricultural drought vulnerability using a	Nanjing University of Aeronautics and
two-phased grey rough combined model	Astronautics, Nanjing, China Department
	of Mechanical and Industrial Engineering,
	Ryerson University, Toronto, Canada
	College of Economics and Management,
	Nanjing University of Aeronautics and
	Astronautics, Nanjing, China School of
	Economics and Management, Southeast
	University, Nanjing, China
Lock-in carrierography non-destructive	School of Instrumentation Science and
imaging of silicon wafers and silicon solar	Engineering, Harbin Institute of
cells	Technology, Harbin 150001, China School
	of Mechatronics Engineering, Harbin
	Institute of Technology, Harbin 150001,
	China School of Mechatronics
	Engineering, Harbin Institute of
	Technology, Harbin 150001, China
	Center for Advanced Diffusion-Wave and
	Photoacoustic Technologies (CADIPT),

	University of Toronto, Toronto M5S 3G8, Canada
Analysis of complex cognitive task and pattern recognition using distributed patterns of EEG signals with cognitive functions	CanadaSchool of Economics and Management, Harbin Engineering University, Harbin, P.R. China School of Economics and Management, Harbin Engineering University, Harbin, P.R. China Management School, Harbin University of Commerce, Harbin, P.R. China College of Innovative Business and Accountancy, Dhurakij Pundit University, Bangkok, Thailand Ryerson University, Toronto, Canada Faculty of Technology, Design and Environment, Visual Artificial Intelligence Lab, Oxford Brookes
Optically Induced Molecular Logic Operations	MIIT Key Laboratory of Critical Material Technology for New Energy Conversion and Storage, School of Chemistry and Chemical Engineering, Harbin Institute of Technology, Harbin 150001, China School of Engineering and Applied Sciences, Harvard University, 9 Oxford Street, Cambridge, Massachusetts 02138 (United States) Department of Chemistry and Chemical Biology, Harvard University, 12 Oxford Street, Cambridge, Massachusetts, 02138, United States State Key Laboratory for Precision Measurement Technology and Instruments, Department of Precision Instrument, Tsinghua University, Beijing 100084, China MIIT Key Laboratory of Critical Material Technology for New Energy Conversion and Storage, School of Chemistry and Chemical Engineering, Harbin Institute of Technology for New Energy Conversion and Storage, School of Chemistry and Chemical Engineering, Harbin Institute of Technology for New Energy Conversion and Storage, School of Chemistry and Chemical Engineering, Harbin Institute of Technology for New Energy Conversion and Storage, School of Chemistry and Chemical Engineering, Harbin Institute of Technology for New Energy Conversion and Storage, School of Chemistry and Chemical Engineering, Harbin Institute of Technology, Harbin 150001, China MIIT Key Laboratory of Critical Material Technology for New Energy Conversion and Storage, School of Chemistry and Chemical Engineering, Harbin Institute of Technology for New Energy Conversion and Storage, School of Chemistry and Chemical Engineering, Harbin Institute of Technology for New Energy Conversion and Storage, School of Chemistry and Chemical Engineering, Harbin Institute of

	Technology, Harbin 150001, China
	Physics Department, Technical University
	of Munich, 85748 Garching, Germany.
	Department of Chemistry and Department
	of Computer Sciences, University of
	Toronto, 80 St. George Street, Toronto,
	Ontario M5S 3H6, Canada. School of
	Engineering and Applied Sciences,
	Harvard University, 9 Oxford Street,
	Cambridge, Massachusetts 02138, United
	States
Correction: Robustness Analysis and	Beihang University, 100191 Beijing, People
Performance Tuning for the Quaternion	' s Republic of China Ryerson
Proportional-Derivative Attitude	University, Toronto, Ontario, M5B 2K3,
Controller	Canada
Clinical Translation of Long-Acting Drug	Xiâ€ [™] an Peopleâ€ [™] s Hospital (Xiâ€ [™] an Eourth Hospital), Shaonyi Eyo Hospital
Delivery Systems for Posterior Capsule	Fourth Hospital), Shaanxi Eye Hospital,
Opacification Prophylaxis	Affiliated People's Hospital of
	Northwest University, 21 Jiefang Road,
	Xiâ€ [™] an 710004, China Xiâ€ [™] an
	People's Hospital (Xi'an Fourth
	Hospital), Shaanxi Eye Hospital, Affiliated
	Peopleâ€ [™] s Hospital of Northwest
	University, 21 Jiefang Road, Xiâ€ [™] an
	710004, China Xi'an Key Laboratory
	of Stem Cell and Regenerative Medicine,
	Institute of Medical Research,
	Northwestern Polytechnical University, 127
	West Youyi Road, Xi'an 710072, China
	Xi'an Key Laboratory of Stem Cell
	and Regenerative Medicine, Institute of
	Medical Research, Northwestern
	Polytechnical University, 127 West Youyi
	Road, Xi'an 710072, China Xi'an
	Peopleâ€ [™] s Hospital (Xiâ€ [™] an Fourth
	Hospital), Shaanxi Eye Hospital, Affiliated
	Peopleâ \in TM s Hospital of Northwest
	University, 21 Jiefang Road, Xiâ€ [™] an
	710004, China Department of
	Pharmaceutical Sciences, Leslie Dan
	Faculty of Pharmacy, University of
	Toronto, 144 College Street, Toronto, ON
	M5S 3M2, Canada Xi'an Key
	Laboratory of Stem Cell and Regenerative
	Medicine, Institute of Medical Research,
	Northwestern Polytechnical University, 127

Global dynamics of a ring-tethered three-	West Youyi Road, Xiâ€ [™] an 710072, China Xiâ€ [™] an Peopleâ€ [™] s Hospital (Xiâ€ [™] an Fourth Hospital), Shaanxi Eye Hospital, Affiliated Peopleâ€ [™] s Hospital of Northwest University, 21 Jiefang Road, Xiâ€ [™] an 710004, China; Xiâ€ [™] an Key Laboratory of Stem Cell and Regenerative Medicine, Institute of Medical Research, Northwestern Polytechnical University, 127 West Youyi Road, Xiâ€ [™] an 710072, China State Key Laboratory of Mechanics and
satellite system in any plane	Control for Aerospace Structures, Nanjing University of Aeronautics and Astronautics, Nanjing, China Department of Mechanical Engineering, York University, Toronto, Canada
N-heteroacenes as an organic gain medium for room temperature masers	Imperial College London Imperial College London Imperial College London Imperial College London University College London Beijing Institute of Technology University of Southern California Imperial College London Imperial College London University of Toronto University of Warwick Imperial College London
Discovering Structural Errors From Business Process Event Logs (Extended Abstract)	Nanjing University of Science and Technology,School of Computer Science and Engineering,Nanjing,China Nanjing University of Science and Technology,School of Computer Science and Engineering,Nanjing,China University of Toronto,Middleware Systems Research Group,Toronto,Canada Hohai University,College of Computer and Information,Nanjing,China
Atomic Level Regulation of Cobalt Single Atom Nanozymes: Engineering High Efficiency Catalase Mimics	Department of Electrical and Computer Engineering University of Toronto Toronto Ontario M5S1A4 Canada; Department of Chemistry Tsinghua University Beijing 100084 China Experimental Center of Advanced Materials School of Materials Science & amp; Engineering Beijing Institute of Technology Beijing 100081 China College of Chemistry and Chemical Engineering Inner Mongolia University Hohhot 010021

	China Beijing Synchrotron Radiation
	Facility Institute of High Energy Physics
	Chinese Academy of Sciences Beijing
	100049 China Department of Materials
	Science and Engineering University of
	Toronto Toronto Ontario M5S3E4
	Canada Department of Chemistry
	Tsinghua University Beijing 100084 China
	Department of Chemistry Tsinghua
	University Beijing 100084 China
	Department of Chemistry Tsinghua
	University Beijing 100084 China College
	of Chemistry and Chemical Engineering
	Inner Mongolia University Hohhot 010021
	S I
	China CAS Engineering Laboratory for
	Nanozyme Institute of Biophysics Chinese
	Academic of Science Beijing 100101 China
	Department of Chemistry University of
	Toronto Ontario M5S3H6 Canada
	Department of Chemistry Tsinghua
	University Beijing 100084 China
	Experimental Center of Advanced
	Materials School of Materials Science
	& Engineering Beijing Institute of
	Technology Beijing 100081 China
Atomic Level Regulation of Cobalt Single	Department of Chemistry, Tsinghua
Atom Nanozymes: Engineering High	University, Beijing, 100084 China;
Efficiency Catalase Mimics	Department of Electrical and Computer
	Engineering, University of Toronto,
	Toronto, Ontario, M5S1A4 Canada; These
	authors contributed equally to this work.
	These authors contributed equally to this
	work.; Experimental Center of Advanced
	Materials, School of Materials Science &
	Engineering, Beijing Institute of
	Technology, Beijing, 100081 China
	College of Chemistry and Chemical
	Engineering, Inner Mongolia University,
	Hohhot, 010021 China; These authors
	contributed equally to this work. Beijing
	Synchrotron Radiation Facility, Institute of
	High Energy Physics, Chinese Academy of
	Sciences, Beijing, 100049 China Department of Materials Science and
	Department of Materials Science and
	Engineering, University of Toronto,
	Toronto, Ontario, M5S3E4 Canada

	Department of Chemistry, Tsinghua
	University, Beijing, 100084 China
	Department of Chemistry, Tsinghua
	University, Beijing, 100084 China
	Department of Chemistry, Tsinghua
	University, Beijing, 100084 China College
	of Chemistry and Chemical Engineering,
	Inner Mongolia University, Hohhot,
	010021 China CAS Engineering
	Laboratory for Nanozyme, Institute of
	Biophysics, Chinese Academic of Science,
	Beijing, 100101 China Department of
	Chemistry, University of Toronto, Ontario,
	M5S3H6 Canada Department of
	Chemistry, Tsinghua University, Beijing, 100084 China Experimental Center of
	Advanced Materials, School of Materials
	Science & Engineering, Beijing Institute of
	Technology, Beijing, 100081 China
N-heteroacenes as an organic gain medium	Imperial College London Imperial
for room temperature masers	College London Imperial College London
	Imperial College London University
	College London Beijing Institute of
	Technology University of Southern
	California Imperial College London
	Imperial College London University of
	Toronto University of Warwick Imperial
	College London
Steering Micromotors via	Sauvage Laboratory for Smart Materials,
Reprogrammable Optoelectronic Paths	School of Materials Science and
	Engineering, Harbin Institute of
	Technology (Shenzhen), Shenzhen 518055,
	China; Institute of Biomedical
	Engineering, University of Toronto,
	Toronto M5S 3E1, Canada Sauvage
	Laboratory for Smart Materials, School of
	Materials Science and Engineering, Harbin
	Institute of Technology (Shenzhen),
	Shenzhen 518055, China Institute of
	Biomedical Engineering, University of
	Toronto, Toronto M5S 3E1, Canada
	Institute of Biomedical Engineering,
	University of Toronto, Toronto M5S 3E1,
	Canada Sauvage Laboratory for Smart
	Materials, School of Materials Science and
	Engineering, Harbin Institute of
L	Engineering, marvin moutule of

	Technology (Shenzhen), Shenzhen 518055,
	China Sauvage Laboratory for Smart
	Materials, School of Materials Science and
	Engineering, Harbin Institute of
	Technology (Shenzhen), Shenzhen 518055,
	China School of Physics and Astronomy
	and Institute of Natural Sciences, Shanghai
	Jiao Tong University, Shanghai 200240,
	China School of Mechatronical
	Engineering, Beijing Institute of
	Technology, Beijing 100081, China
	Sauvage Laboratory for Smart Materials,
	School of Materials Science and
	Engineering, Harbin Institute of
	Technology (Shenzhen), Shenzhen 518055,
	China Institute of Biomedical
	Engineering, University of Toronto,
	Toronto M5S 3E1, Canada
An open source engineering practice	Beihang University, Beihang School,
assistant training system based on virtual	Engineering training center, Beijing, China
reality	York University, The Lassonde school of
	engineering,Toronto,Canada York
	University, The Lassonde school of
	engineering,Toronto,Canada Beihang
	University, Beihang School, Engineering
	training center, Beijing, China Beihang
	University, Beihang School, Engineering
	training center, Beijing, China
Repairable Fountain Coded Storage	School of Electronics and Information
Systems for Multi-Tier Mobile Edge	Engineering, Harbin Institute of
Caching Networks	Technology (Shenzhen), Shenzhen, China
- ····································	School of Electronics and Information
	Engineering, Harbin Institute of
	Technology (Shenzhen), Shenzhen, China
	Department of Electrical, Computer and
	Biomedical Engineering, Ryerson
	University, Toronto, ON, Canada.
	Department of Computing Sciences, Texas
	A&M University – Corpus Christi,
	Corpus Christi, TX, USA School of
	Engineering and Mathematical Sciences,
	La Trobe University, Melbourne, VIC,
	•
	Australia School of Electronics and
	Information Engineering, Harbin Institute
	of Technology (Shenzhen), Shenzhen,
	China

Two Parallel Single-Gimbal Control Moment Gyros Actuated Spacecraft Attitude Maneuver	Institute of Space Science and Applied Technology, Harbin Institute of Technology (Shenzhen), China Research Center of the Satellite Technology, Harbin Institute of the Technology, Harbin, China Research Center of the Satellite Technology, Harbin Institute of the Technology, Harbin, China Research Center of the Satellite Technology, Harbin Institute of the Technology, Harbin
Postponed maintenance scheduling	 Shanghai Jiao-Tong University, Shanghai, China Ryerson University Toronto Canada Department of Mechanical and Industrial
integrating state variation and environmental impact	Engineering, University of Toronto, Toronto, ON M5S 2EA, Canada School of Reliability and Systems Engineering, Beihang University, Beijing 100191, China
Stiffness modeling of n(3RRIS)	State Key Laboratory of Robotics and
reconfigurable series-parallel manipulators	System, Harbin Institute of Technology,
by combining virtual joint method and	Harbin, 150080, P. R. China State Key
matrix structural analysis	Laboratory of Robotics and System,
	Harbin Institute of Technology, Harbin,
	150080, P. R. China Department of
	Mechanical Engineering, York University,
	Toronto M3J1P3, Canada State Key
	Laboratory of Robotics and System,
	Harbin Institute of Technology, Harbin, 150080, P. R. China State Key Laboratory
	of Robotics and System, Harbin Institute of
	Technology, Harbin 150080, P. R. China
	State Key Laboratory of Robotics and
	System, Harbin Institute of Technology,
	Harbin, 150080, P. R. China
Seasonal variation and influence factors of	University Corporation for Polar Research,
organophosphate esters in air particulate	Beijing 100875, China; International Joint
matter of a northeastern Chinese test home	Research Center for Persistent Toxic
	Substances (IJRC-PTS)/International Joint
	Research Center for Arctic Environment
	and Ecosystem (IJRC-AEE), State Key Laboratory of Urban Water Resource and
	Laboratory of Urban Water Resource and Environment, Harbin Institute of
	Technology, Harbin 150090, China
	University Corporation for Polar Research,
	Beijing 100875, China; International Joint
	Research Center for Persistent Toxic

Substances (LIDC DTS)/International Joint
Substances (IJRC-PTS)/International Joint
Research Center for Arctic Environment
and Ecosystem (IJRC-AEE), State Key
Laboratory of Urban Water Resource and
Environment, Harbin Institute of
Technology, Harbin 150090, China
University Corporation for Polar Research,
Beijing 100875, China; International Joint
Research Center for Persistent Toxic
Substances (IJRC-PTS)/International Joint
Research Center for Arctic Environment
and Ecosystem (IJRC-AEE), State Key
Laboratory of Urban Water Resource and
Environment, Harbin Institute of
Technology, Harbin 150090, China IJRC-
PTS-NA, Toronto M2N 6X9, Canada;
University Corporation for Polar Research,
Beijing 100875, China; International Joint
Research Center for Persistent Toxic
Substances (IJRC-PTS)/International Joint
Research Center for Arctic Environment
and Ecosystem (IJRC-AEE), State Key
Laboratory of Urban Water Resource and
Environment, Harbin Institute of
Technology, Harbin 150090, China
College of Agricultural Resource and
Environment, Heilongjiang University,
Harbin 150080, China Key Laboratory of
Coastal Environmental Processes and
Ecological Remediation, Yantai Institute of
Coastal Zone Research, CAS, Yantai
264003, China University Corporation for
Polar Research, Beijing 100875, China;
International Joint Research Center for
Persistent Toxic Substances (IJRC-
PTS)/International Joint Research Center
for Arctic Environment and Ecosystem
(IJRC-AEE), State Key Laboratory of
Urban Water Resource and Environment,
Harbin Institute of Technology, Harbin
150090, China University Corporation for
Polar Research, Beijing 100875, China;
International Joint Research Center for
Persistent Toxic Substances (IJRC-
PTS)/International Joint Research Center
for Arctic Environment and Ecosystem

	(IJRC-AEE), State Key Laboratory of
	Urban Water Resource and Environment,
	Harbin Institute of Technology, Harbin
	150090, China University Corporation for
	Polar Research, Beijing 100875, China;
	International Joint Research Center for
	Persistent Toxic Substances (IJRC-
	PTS)/International Joint Research Center
	for Arctic Environment and Ecosystem
	(IJRC-AEE), State Key Laboratory of
	Urban Water Resource and Environment,
	Harbin Institute of Technology, Harbin
	150090, China University Corporation for
	Polar Research, Beijing 100875, China;
	International Joint Research Center for
	Persistent Toxic Substances (IJRC-
	PTS)/International Joint Research Center
	for Arctic Environment and Ecosystem
	(IJRC-AEE), State Key Laboratory of
	Urban Water Resource and Environment,
	Harbin Institute of Technology, Harbin
	150090, China University Corporation for
	Polar Research, Beijing 100875, China;
	International Joint Research Center for
	Persistent Toxic Substances (IJRC-
	PTS)/International Joint Research Center
	for Arctic Environment and Ecosystem
	(IJRC-AEE), State Key Laboratory of
	Urban Water Resource and Environment,
	Harbin Institute of Technology, Harbin
	150090, China IJRC-PTS-NA, Toronto
	M2N 6X9, Canada; University
	Corporation for Polar Research, Beijing
	100875, China; International Joint
	Research Center for Persistent Toxic
	Substances (IJRC-PTS)/International Joint
	Research Center for Arctic Environment
	and Ecosystem (IJRC-AEE), State Key
	Laboratory of Urban Water Resource and
	Environment, Harbin Institute of
	Technology, Harbin 150090, China School
	of Environment, Harbin Institute of
	Technology, Harbin 150090, China
Direct Observation of Defectâ€□Aided	Key Laboratory of Carbon Materials of
Structural Evolution in a Nickelâ€□Rich	Zhejiang Province Institute of New
Layered Cathode	Materials and Industrial Technologies
Layered Califord	main fais and muusifiat fermologies

Wenzhou University Wenzhou Zhejiang
325027 China, Department of Chemical
Engineering University of Waterloo
Waterloo Ontario N2L 3G1 Canada,
Center for Functional Nanomaterials
Brookhaven National Laboratory Upton
NY 11973 USA Department of Chemistry
and Chemical Biology Harvard University
12 Oxford Street Cambridge MA 02138
USA, Department of Chemistry and
Department of Computer Science
University of Toronto Toronto Ontario
M5S 3H6 Canada Energy and
Environment Directorate Pacific
Northwest National Laboratory 902
Battelle Boulevard Richland WA 99352
USA, College of Chemistry and Chemical
Engineering Xiamen University Xiamen
Fujian 361005 China State Key
Laboratory of Solidification Processing
School of Materials Science and
Engineering Northwestern Polytechnical
University Xian 710072 China
Department of Materials Science and
Chemical Engineering Stony Brook
University Stony Brook NY 11794 USA
Center for Functional Nanomaterials
Brookhaven National Laboratory Upton
NY 11973 USA Key Laboratory of
Carbon Materials of Zhejiang Province
Institute of New Materials and Industrial
Technologies Wenzhou University
Wenzhou Zhejiang 325027 China
Department of Materials Science and
Chemical Engineering Stony Brook
University Stony Brook NY 11794 USA
National Laboratory for Condensed
Matter Physics Institute of Physics Chinese
Academy of Sciences Beijing 100190 China
Key Laboratory of Carbon Materials of
Zhejiang Province Institute of New
Materials and Industrial Technologies
Wenzhou University Wenzhou Zhejiang
325027 China Department of Chemical
Engineering University of Waterloo
Waterloo Ontario N2L 3G1 Canada

Direct Observation of DefectäC□Aided Center for Functional Nanomaterials Structural Evolution in a Nickelå€□Rich Brookhaven National Laboratory Upton NY 11973 USA; Key Laboratory of Carbon Materials of Zhejiang Province, Institute of New Materials and Industrial Technologies, Wenzhou University, Wenzhou, Zhejiang, 325027, China.; Department of Chemical Engineering University of Waterloo Waterloo Ontario N2L 3G1 Canada Department of Chemistry and Department of Computer Science University of Toronto Toronto Ontario MSS 3H6 Canada; Department of Chemistry and Chemical Engineering MA 02138 USA Energy and Environment Directorate, Pacific Northwest National Laboratory, 902 Battelle Boulevard, Richland, WA, 99352, USA.; College of Chemistry and Chemical Engineering Xiamen University Xiamen Fujian 361005 China State Key Laboratory of Solidification Processing, School of Materials Science and Engineering, Northwestern Polytechnical University, Xian 710072, China Department of Materials Science and Chemical Engineering, Stony Brook, NY 11794, USA Center for Functional Nanomaterials, Brookhaven National Laboratory, Upton, NY 11973 (USA) Key Laboratory of Carbon Materials of Zhejang, 72027, China,		Center for Functional Nanomaterials, Brookhaven National Laboratory, Upton, NY, 11973 USA; National Laboratory for Condensed Matter Physics, Institute of Physics, Chinese Academy of Sciences, Beijing, 100190 China
National Laboratory for Condensed	Structural Evolution in a Nickelâ€□Rich	Center for Functional Nanomaterials Brookhaven National Laboratory Upton NY 11973 USA; Key Laboratory of Carbon Materials of Zhejiang Province, Institute of New Materials and Industrial Technologies, Wenzhou University, Wenzhou, Zhejiang, 325027, China.; Department of Chemical Engineering University of Waterloo Waterloo Ontario N2L 3G1 Canada Department of Chemistry and Department of Computer Science University of Toronto Toronto Ontario M5S 3H6 Canada; Department of Chemistry and Chemical Biology Harvard University 12 Oxford Street Cambridge MA 02138 USA Energy and Environment Directorate, Pacific Northwest National Laboratory, 902 Battelle Boulevard, Richland, WA, 99352, USA.; College of Chemistry and Chemical Engineering Xiamen University Xiamen Fujian 361005 China State Key Laboratory of Solidification Processing, School of Materials Science and Engineering, Northwestern Polytechnical University, Xian 710072, China Department of Materials Science and Chemical Engineering, Stony Brook University, Stony Brook, NY 11794, USA Center for Functional Nanomaterials, Brookhaven National Laboratory, Upton, NY 11973 (USA) Key Laboratory of Carbon Materials of Zhejiang Province, Institute of New Materials and Industrial Technologies, Wenzhou University, Wenzhou, Zhejiang, 325027, China. Department of Materials Science and Chemical Engineering, Stony Brook University, Stony Brook, NY 11794, USA

	Matter Physics, Institute of Physics,
	Chinese Academy of Sciences, Beijing
	100190,China Key Laboratory of Carbon
	Materials of Zhejiang Province, Institute of
	New Materials and Industrial
	Technologies, Wenzhou University,
	Wenzhou, Zhejiang, 325027, China.
	DEPARTMENT OF CHEMICAL
	ENGINEERING, UNIVERSITY OF
	WATERLOO, WATERLOO, ONTARIO
	, N2L 3G1 , CANADA Center for
	Functional Nanomaterials Brookhaven
	National Laboratory Upton NY 11973
	USA; National Laboratory for Condensed
	Matter Physics, Institute of Physics,
	Chinese Academy of Sciences, Beijing,
	100190, China.
Controller-Aware Path optimization for	Beijing Institute of Technology, School of
Enhancing Path Tracking Performance	Mechanical Engineering, Beijing, China
g _ wwwg _ www	Beijing Institute of Technology, School of
	Mechanical Engineering, Beijing, China
	Institute for Aerospace Studies, University
	of Toronto, Toronto Robotics and Artificial
	Intelligence Laboratory, Toronto, Canada
	Beijing Institute of Technology, School of
	Mechanical Engineering, Beijing, China
	Beijing Institute of Technology, School of
	Mechanical Engineering, Beijing, China
Opportunistic Data Collection in Cognitive	Institute of Systems Engineering, Academy
Wireless Sensor Networks: Airâ€"Ground	of Military Sciences, Beijing, China;
	College of Communications Engineering,
Collaborative Online Planning	8
	Army Engineering University, Nanjing,
	China [College of Communications
	Engineering, Army Engineering
	University, Nanjing, China] [College of
	Communications Engineering, Army
	Engineering University, Nanjing, China]
	[College of Communications Engineering,
	Army Engineering University, Nanjing,
	China] Department of Electrical and
	Computer Engineering Ryerson University
	Toronto Canada College of Electronic and
	information Engineering, Nanjing
	University of Aeronautics and Astronautics
	Nanjing, China [College of

	Communications Engineering, Army
	Engineering University, Nanjing, China]
Opportunistic Utilization of Dynamic	[College of Communications Engineering,
Multi-UAV in Device-to-Device	Army Engineering University, Nanjing,
Communication Networks	China] [College of Communications
	Engineering, Army Engineering
	University, Nanjing, China] [College of
	Communications Engineering, Army
	Engineering University, Nanjing, China]
	[College of Communications Engineering,
	Army Engineering University, Nanjing,
	China] College of Electronic and
	information Engineering, Nanjing
	University of Aeronautics and Astronautics
	Nanjing, China Department of Electrical
	and Computer Engineering Ryerson
	University Toronto Canada College of
	Information and Communication, National
	University of Defense Technology,
	Wuhanxs, China National Innovation
	Institute of Defense Technology, Academy
	of Military Sciences PLA China, Beijing,
	China
Type synthesis of metamorphic	State Key Laboratory of Robotics and
mechanisms with scissor-like linkage based	System, Harbin Institute of Technology,
on different kinds of connecting pairs	Harbin, 150001, PR China State Key
	Laboratory of Robotics and System,
	Harbin Institute of Technology, Harbin,
	150001, PR China State Key Laboratory
	of Robotics and System, Harbin Institute of
	Technology, Harbin, 150001, PR China
	School of Mechanical Engineering, York
	University, Toronto, Canada
Study on the reliability assessment and	Nanjing Audit University, Nanjing, China
early-warning method of online auditing	University of Toronto, Toronto, Canada
based on the perspective of IT control	Nanjing University of Aeronautics and
	Astronautics, Nanjing, China
A Novel Stick-Slip Nanopositioning Stage	School of Mechatronic Engineering and
Integrated with a Flexure Hinge-Based	Automation, Shanghai University,
Friction Force Adjusting Structure	Shanghai 200444, China Department of
	Mechanical & Industrial Engineering
	University of Toronto Toronto ON M5S
	3G8 Canada School of Mechatronic
	Engineering and Automation, Shanghai
	University, Shanghai 200444, China
	College of Mechanical and Electrical
	Concge of Micchanical and Electrical

Engineering & Robotics and Microsys Center, Soochow University, Suzhou 215021, China. School of Mechatronic Engineering and Automation, Shangha University, Shanghai 200444, China College of Automation, Harbin Engineering University, Harbin 15000	c
215021, China. School of Mechatroni Engineering and Automation, Shangha University, Shanghai 200444, China College of Automation, Harbin	
Engineering and Automation, Shangha University, Shanghai 200444, China College of Automation, Harbin	
University, Shanghai 200444, China College of Automation, Harbin	ai
College of Automation, Harbin	
Fngingaring University Herbin 1500/	
Engineering University, Harbin 15000)1,
China Department of Mechanical &	
Industrial Engineering University of	
Toronto Toronto ON M5S 3G8 Canad	la
Modeling gas/particle partitioning of International Joint Research Center for	or
polybrominated diphenyl ethers (PBDEs) Persistent Toxic Substances (IJRC-PT	S).
in the atmosphere: A review State Key Laboratory of Urban Water	
Resource and Environment, Harbin	
Institute of Technology, Harbin 15009	n
China International Joint Research	υ,
Center for Persistent Toxic Substances	
	5
(IJRC-PTS), State Key Laboratory of	4
Urban Water Resource and Environm	,
Harbin Institute of Technology, Harbi	
150090, China Institute of Ocean Scie	
Department of Fisheries and Oceans, I	
Box 6000, Sidney, BC V8L 4B2, Canad	
Department of Pediatrics, Department	t of
Environmental Medicine, New York	
University School of Medicine, New Ye	ork,
NY 10016, USA Institute of Natural	
Sciences, North-Eastern Federal	
University, Russia IJRC-PTS-NA,	
Toronto, Ontario M2N 6X9, Canada;	
International Joint Research Center fo	or
Persistent Toxic Substances (IJRC-PT	
State Key Laboratory of Urban Water	
Resource and Environment, Harbin	
Institute of Technology, Harbin 15009	0
	υ,
China	.1. :-
A data-driven network model for the College of Mathematical Sciences, Har	nıa
emerging COVID-19 epidemics in Wuhan, Engineering University, Harbin,	e
Toronto and ItalyHeilongjiang, 150001, China College	of
Mathematical Sciences, Harbin	
Engineering University, Harbin,	
Heilongjiang, 150001, China School o	
Engineering and Mathematical Scienc	es,
Melbourne, La Trobe University, 3086	,
Australia College of Mathematical	
Sciences, Harbin Engineering Universit	ity,

	Harbin, Heilongjiang, 150001, China College of Mathematical Sciences, Harbin Engineering University, Harbin, Heilongjiang, 150001, China Instituto Politécnico Nacional, Centro de BiotecnologÃa GenÃ ³ mica, Cd. Reynosa, Tamaulipas, 88710, México, Mexico Department of Mathematics, Tulane University, New Orleans, LA, 70118, USA Lamps and Center of Disease Modelling (CDM), Department of Mathematics and Statistics, York University, Toronto, ON, M3J 1P3, Canada
Mechanically robust ANF/MXene	CAS Key Laboratory of Nanosystem and Historychical Exprisedion and CAS Contor
composite films with tunable electromagnetic interference shielding performance	Hierarchical Fabrication and CAS Center for Excellence in Nanoscience, National Center for Nanoscience and Technology, Beijing 100190, China; University of Chinese Academy of Sciences, Beijing 100049, China School of Aeronautic Science and Engineering, Beihang University, Beijing 100191, China CAS Key Laboratory of Nanosystem and Hierarchical Fabrication and CAS Center for Excellence in Nanoscience, National Center for Nanoscience and Technology, Beijing 100190, China Department of Mechanical and Industrial Engineering, University of Toronto, Toronto, Ontario M5S 3G8, Canada Center for Mechanics of Solids, Structures and Materials, Department of Aerospace Engineering and Engineering Mechanics, The University of Texas at Austin, Austin, TX 78712, USA State Key Laboratory for Turbulence and Complex Systems, College of Engineering, Peking University, Beijing 100871, China CAS Key Laboratory of Nanosystem and Hierarchical Fabrication and CAS Center for Excellence in Nanoscience, National Center for Nanoscience and Technology, Beijing 100190, China CAS Key
	Laboratory of Nanosystem and Hierarchical Fabrication and CAS Center for Excellence in Nanoscience, National

	Center for Nanoscience and Technology,
	Beijing 100190, China
Predicting diseaseâ€□associated genes:	Division of Biomedical Engineering
Computational methods, databases, and	University of Saskatchewan Saskatoon
evaluations	Canada; Princess Margaret Cancer Centre
	University Health Network Toronto
	Canada School of Computer Science and
	Technology, Northwestern Polytechnical
	University, China School of Mathematics
	and Statistics, Hainan Normal University,
	Haikou, China; Department of
	Mechanical Engineering and Department
	of Computer Science University of
	Saskatchewan Saskatoon Canada
Modeling and Dynamics Analysis of Zika	Department of Mathematics, Nanjing
Transmission with Limited Medical	University of Aeronautics and
Resources	Astronautics, Nanjing , People's
	Republic of China Department of
	Mathematics, Nanjing University of
	Aeronautics and Astronautics, Nanjing
	210016, People's Republic of China
	Departamento de MatemÃ;tica Aplicada,
	Instituto de MatemÃ;tica e EstatÃstica,
	Universidade de São Paulo, Rua do
	Matão, 1010, Cidade UniversitÃ;ria,
	São Paulo, SP, CEP 05508-090, Brazil.
	LAMPS and Department of Mathematics
	and Statistics, York University, Toronto,
	ON M3J 1P3, Canada
Highly expanded fine-cell foam of	Microcellular Plastics Manufacturing
polylactide/polyhydroxyalkanoate/nano-	Laboratory, Department of Mechanical
fibrillated polytetrafluoroethylene	and Industrial Engineering, University of
composites blown with mold-opening	Toronto, Toronto, Canada; Dr. Foam
injection molding	Canada, Ontario, Canada. Microcellular
•	Plastics Manufacturing Laboratory,
	Department of Mechanical and Industrial
	Engineering, University of Toronto,
	Toronto, Canada; Department of
	Mechanical Engineering, Urmia
	University, Urmia, Iran Microcellular
	Plastics Manufacturing Laboratory,
	Department of Mechanical and Industrial
	Engineering, University of Toronto,
	Toronto, Canada; School of Materials
	Science and Engineering, Harbin
	Service and Engineering, 1141.011

	Engineering University, Harbin,
	Heilongjiang, PR China.
Long-term impacts of urbanization	School of Economics and Management,
through population migration on	Harbin Institute of Technology (Shenzhen),
	Shenzhen, China; Environmental Science
Chinaâ€ [™] s energy demand and CO2 emissions	
emissions	and New Energy Technology Engineering
	Laboratory, Tsinghua-Berkeley Shenzhen
	Institute, Shenzhen, China Environmental
	Science and New Energy Technology
	Engineering Laboratory, Tsinghua-
	Berkeley Shenzhen Institute, Shenzhen,
	China School of Environment and Nature
	Resources, Renmin University of China,
	Beijing, China School of Environment
	and Nature Resources, Renmin University
	of China, Beijing, China Department of
	Economics, York University, Toronto,
	Canada; Environmental Science and New
	Energy Technology Engineering
	Laboratory, Tsinghua-Berkeley Shenzhen
	Institute, Shenzhen, China
Quantitative non-destructive single-	Department of Astronautical Science and
frequency thermal-wave-radar imaging of	Mechanics, Harbin Institute of Technology,
case depths in hardened steels	Harbin 150001, China; Center for
	Advanced Diffusion-Wave and
	Photoacoustic Technologies (CADIPT),
	Department of Mechanical and Industrial
	Engineering, University of Toronto,
	Toronto M5S 3G8, Canada Center for
	Advanced Diffusion-Wave and
	Photoacoustic Technologies (CADIPT),
	Department of Mechanical and Industrial
	Engineering, University of Toronto,
	Toronto M5S 3G8, Canada Center for
	Advanced Diffusion-Wave and
	Photoacoustic Technologies (CADIPT),
	Department of Mechanical and Industrial
	Engineering, University of Toronto,
	Toronto M5S 3G8, Canada; School of
	Optoelectronic Science and Engineering
	and Collaborative Innovation Center of
	Suzhou Nano Science and Technology,
	Soochow University, Suzhou 215006, China
	Center for Advanced Diffusion-Wave and
	Photoacoustic Technologies (CADIPT),
	Department of Mechanical and Industrial

	Engineering University of Torento
	Engineering, University of Toronto, Toronto M5S 3C8, Conada
Commentions Doth Discussions from A series	Toronto M5S 3G8, Canada
Cooperative Path Planning for Aerial	Harbin Institute of Technology, School of
Recovery of a UAV Swarm Using Genetic	Astronautics, Harbin 150001, China
Algorithm and Homotopic Approach	Harbin Institute of Technology, School of
	Astronautics, Harbin 150001, China Department of Mashanisal and Industrial
	Department of Mechanical and Industrial
	Engineering, University of Toronto,
	Toronto, ON M5S 3G8, Canada; Harbin
	Institute of Technology, School of
	Astronautics, Harbin 150001, China
	Harbin Institute of Technology, School of
	Astronautics, Harbin 150001, China
	Harbin Institute of Technology, School of
D.C. H	Astronautics, Harbin 150001, China
Definition and Application of Variable	State Key Laboratory of Robotics and
Resistance Coefficient for Wheeled Mobile	Systems, Harbin Institute of
Robots on Deformable Terrain	Technology, Harbin, China State Key
	Laboratory of Robotics and Systems, Harbin Institute of
	Technology,Harbin,China State Key
	Laboratory of Robotics and Systems,
	Harbin Institute of
	Technology,Harbin,China State Key
	Laboratory of Robotics and Systems,
	Harbin Institute of
	Technology,Harbin,China BeiHang
	University, Beijing, China Department of
	Aerospace Engineering, Ryerson
	University, Toronto, ON, Canada#TAB#
	Department of Aerospace Engineering,
	Ryerson University, Toronto, ON,
	Canada#TAB#
Partially debonded circular inclusion in	State Key Laboratory of Mechanics and
one-dimensional quasicrystal material with	Control of Mechanical Structures, Nanjing
piezoelectric effect	University of Aeronautics and
	Astronautics, Nanjing, China Dept. of
	Mechanical & Industrial Engineering,
	University of Toronto, Toronto,
	Canada#TAB# School of Science, Harbin
	Institute of Technology, Shenzhen, China.
	State Key Laboratory of Mechanics and
	Control of Mechanical Structures, Nanjing
	University of Aeronautics and
	Astronautics, Nanjing, China

Dynamics of orbital boost maneuver of low Earth orbit satellites by electrodynamic tethers	School of Aeronautics and Astronautics Shanghai Jiao Tong University Shanghai China School of Aeronautics and Astronautics Shanghai Jiao Tong University Shanghai China Department of Mechanical Engineering, York University, Toronto, Canada School of Science Nanjing University of Science and Technology Nanjing China School of Aeronautics and Astronautics Shanghai Jiao Tong University Shanghai China
Quasi-bielliptic three-body problem	Department of Aerospace Engineering, Ryerson University, Toronto, ON, M5B 2K3, Canada School of Astronautics, Beihang University, Beijing 100191 (China)
Analysis of consumer attitudes towards autonomous, connected, and electric vehicles: A survey in China	School of Management and Economics, Beijing Institute of Technology, Beijing, 100081, China; Department of Civil & Mineral Engineering, University of Toronto, Toronto, ON, M5S 1A4, Canada; Collaborative Innovation Center of Electric Vehicles in Beijing, Beijing, 100081, China School of Management and Economics, Beijing Institute of Technology, Beijing, 100081, China; Beijing Key Laboratory of Energy Economics and Environmental Management, Beijing, 100081, China; Collaborative Innovation Center of Electric Vehicles in Beijing, Beijing, 100081, China; Sustainable Development Research Institute for Economy and Society of Beijing, Beijing, 100081, China School of Management and Economics, Beijing Institute of Technology, Beijing, 100081, China; Collaborative Innovation Center of Electric Vehicles in Beijing, 100081, China; Collaborative Innovation Center of Electric Vehicles in Beijing, 100081, China; Collaborative Innovation Center of Electric Vehicles in Beijing, Beijing, 100081, China; Collaborative Innovation Center of Electric Vehicles in Beijing, Beijing, 100081, China; Department of Civil Engineering, University of Ottawa, Ottawa, ON, K1N 6N5, Canada
Health index extraction for power-shift steering transmission using selected oil field data	Jianglu Machinery and Electronics Group Company, NORINCO Group, Xiangtan, China; School of Mechanical Engineering, Beijing Institute of Technology, Beijing, China School of Mechanical Engineering, Beijing Institute of Technology, Beijing,

The Discrete Stockwell Transforms for Infinite-Length Signals and Their Real-	China Department of Mechanical & Industrial Engineering, University of Toronto, Toronto, ON, Canada; School of Mechanical Engineering, Beijing Institute of Technology, Beijing, China School of Mechanical Engineering, Beijing Institute of Technology, Beijing, China Beijing Institute of Technology, School of Information and
Time Implementations	Electronics,,Beijing,,China,100081 York University,Department of Mathematics and Statistics,Toronto,Canada,M3J 1P3
Opportunistic UAV Utilization in Wireless Networks: Motivations, Applications, and Challenges	[Army Engineering University, Nanjing] [Army Engineering University, Nanjing] [Institute of Communications Engineering, Nanjing, China] [Army Engineering University, Nanjing] Hohai University, Nanjing China [Nanjing University of Aeronautics and Astronautics Nanjing, China] Univ. of Toronto, Toronto ON Canada
Dynamic maintenance strategy with iteratively updated group information	School of Reliability and Systems Engineering, Beihang University, Beijing, China School of Reliability and Systems Engineering, Beihang University, Beijing, China School of Reliability and Systems Engineering, Beihang University, Beijing, China Department of Mechanical & Industrial Engineering, University of Toronto, Toronto, Canada School of Reliability and Systems Engineering, Beihang University, Beijing, China
Design of hazard identification system for aircraft power supply system based on SIMPLORER and MATLAB co- simulation	Department of Mechanical and Industrial Engineering, University of Toronto, Toronto, ON, Canada; Civil Aviation Key Laboratory of Aircraft Health Monitoring and Intelligent Maintenance, College of Civil Aviation, Nanjing University of Aeronautics and Astronautics, Nanjing, China College of Science, Nanjing University of Aeronautics and Astronautics, Nanjing, China; Department of Mechanical and Industrial Engineering, University of Toronto, Toronto, ON, Canada Civil Aviation Key Laboratory of

	Maintenance, College of Civil Aviation,
	Nanjing University of Aeronautics and
	Astronautics, Nanjing, China Civil
	Aviation Key Laboratory of Aircraft
	Health Monitoring and Intelligent
	Maintenance, College of Civil Aviation,
	Nanjing University of Aeronautics and
	Astronautics, Nanjing, China Civil
	Aviation Key Laboratory of Aircraft
	Health Monitoring and Intelligent
	Maintenance, College of Civil Aviation,
	Nanjing University of Aeronautics and
	Astronautics, Nanjing, China
Design of hogged identification system for	
Design of hazard identification system for	Department of Mechanical and Industrial
aircraft power supply system based on	Engineering, University of Toronto,
SIMPLORER and MATLAB co-	Toronto, ON, Canada; Civil Aviation Key
simulation:	Laboratory of Aircraft Health Monitoring
	and Intelligent Maintenance, College of
	Civil Aviation, Nanjing University of
	Aeronautics and Astronautics, Nanjing,
	China College of Science, Nanjing
	University of Aeronautics and
	Astronautics, Nanjing, China; Department
	of Mechanical and Industrial Engineering,
	University of Toronto, Toronto, ON,
	Canada [Civil Aviation Key Laboratory
	of Aircraft Health Monitoring and
	Intelligent Maintenance, College of Civil
	Aviation, Nanjing University of
	Aeronautics and Astronautics, Nanjing,
	China] [Civil Aviation Key Laboratory of
	Aircraft Health Monitoring and Intelligent
	Maintenance, College of Civil Aviation,
	Nanjing University of Aeronautics and
	Astronautics, Nanjing, China] [Civil
	Aviation Key Laboratory of Aircraft
	Health Monitoring and Intelligent
	Maintenance, College of Civil Aviation,
	Nanjing University of Aeronautics and
DeenNOMA. A Unified Energy and for	Astronautics, Nanjing, China]
DeepNOMA: A Unified Framework for	School of Information and Electronics,
NOMA Using Deep Multi-Task Learning	Beijing Institute of Technology, Beijing,
	China; School of Information and
	Electronics, Beijing Institute of
	Technology, Beijing, China; School of
	Information and Electronics, Beijing

	Institute of Technology, Beijing, China;
	Department of Electrical, Computer and
	Biomedical Engineering, Ryerson
	University, Toronto, ON, Canada.
	DoCoMo Beijing Communications
	Laboratories Co., Ltd Beijing China
	DoCoMo Beijing Communications
	Laboratories Co., Ltd Beijing China
A simplified finite volume lattice	National Key Laboratory of Science and
Boltzmann method for simulations of fluid	Technology on Aerodynamic Design and
flows from laminar to turbulent regime,	Research, Northwestern Polytechnical
Part II: Extension towards turbulent flow	University, Xiâ€ [™] an, Shaanxi 710072,
simulation	China National Key Laboratory of
Simulation	Science and Technology on Aerodynamic
	Design and Research, Northwestern
	Polytechnical University, Xi'an,
	Shaanxi 710072, China Department of
	Mechanical & Industrial Engineering,
	Ryerson University, Toronto, Ontario,
	Canada M5B 2K3 National Key
	Laboratory of Science and Technology on
	Aerodynamic Design and Research,
	Northwestern Polytechnical University,
	Xi'an, Shaanxi 710072, China
	National Key Laboratory of Science and
	Technology on Aerodynamic Design and
	Research, Northwestern Polytechnical
	University, Xi'an, Shaanxi 710072,
	China
Thermo-responsive separation membrane	MIIT Key Laboratory of Critical Materials
with smart anti-fouling and self-cleaning	Technology for New Energy Conversion
properties	and Storage, State Key Laboratory of
properties	Urban Water Resource and Environment,
	School of Chemistry and Chemical
	Engineering, Harbin Institute of
	Technology, Harbin 150001, China
	Beijing Originwater Technology Co., LTD,
	Beijing 109591, China MIIT Key
	Laboratory of Critical Materials
	Technology for New Energy Conversion
	and Storage, State Key Laboratory of
	Urban Water Resource and Environment,
	School of Chemistry and Chemical
	Engineering, Harbin Institute of
	Technology, Harbin 150001, China Key
	Laboratory of Materials Processing and

	Mold (Zhengzhou University), Ministry of
	Education, National Engineering Research
	Center for Advanced Polymer Processing
	Technology, Zhengzhou University,
	Zhengzhou 450002, China Microcellular
	Plastics Manufacturing Laboratory,
	Department of Mechanical and Industrial
	Engineering, University of Toronto,
	Toronto, M5S 3G8 Ontario, Canada
	MIIT Key Laboratory of Critical Materials
	Technology for New Energy Conversion
	and Storage, State Key Laboratory of
	Urban Water Resource and Environment,
	School of Chemistry and Chemical
	Engineering, Harbin Institute of
	Technology, Harbin 150001, China MIIT
	Key Laboratory of Critical Materials
	Technology for New Energy Conversion
	and Storage, State Key Laboratory of
	Urban Water Resource and Environment,
	School of Chemistry and Chemical
	Engineering, Harbin Institute of
	Technology, Harbin 150001, China
Surface recombination velocity on wet-	Center for Advanced Diffusion-Wave and
cleaned silicon wafers using heterodyne	Photoacoustic Technologies (CADIPT),
lock-in ca rrierography imaging:	University of Toronto, Toronto, M5S 3G8,
measurement uniqueness investigation	Canada; School of Instrumentation Science
	and Engineering, Harbin Institute of
	Technology, Harbin, 150001, People's
	Republic of China Center for Advanced
	Diffusion-Wave and Photoacoustic
	Technologies (CADIPT), University of
	Toronto, Toronto, M5S 3G8, Canada
	Center for Advanced Diffusion-Wave and
	Photoacoustic Technologies (CADIPT),
	University of Toronto, Toronto, M5S 3G8,
	Canada Advanced Processing Equipment
	Technology (APET) Co., Ltd, 20-15,
	Sukwoo-Dong, Hwaseong-City, Gyeonggi-
	do 463-802, Republic of Korea School of
	Instrumentation Science and Engineering,
	Harbin Institute of Technology, Harbin,
	150001, People's Republic of China
	State Key Laboratory of Robotics and
	System, Harbin Institute of Technology,
	Harbin, 150001, People's Republic of

	China Center for Advanced Diffusion-
	Wave and Photoacoustic Technologies
	(CADIPT), University of Toronto, Toronto,
	M5S 3G8, Canada
Efficient Algorithms for Flexible Job Shop	University of Toronto School of
Scheduling with Parallel Machines	Economics & Management, Beijing
	University of Posts and
	Telecommunications, Beijing, China
	University of Texas at Dallas; Beijing
	Institute of Technology University of
	Texas at Dallas - Naveen Jindal School of
	Management∣ †Texas A&M University
Silicon Nitride Whisker-Reinforced	School of Materials Science and
Aluminum Matrix Composites: Twinning	Engineering, Tongji University, Shanghai
and Precipitation Behavior	200092, China School of Materials Science
r	and Engineering, Tongji University,
	Shanghai 200092, China School of
	Materials Science and Engineering, Harbin
	Institute of Technology, Harbin 150001,
	China School of Materials Science and
	Engineering, Tongji University, Shanghai
	200092, China; College of Mechatronics
	and Control Engineering, Shenzhen
	University, Shenzhen 518060, China Department of Maghaniael and Industrial
	Department of Mechanical and Industrial
	Engineering, Ryerson University, Toronto, ON M5B 2K3, Canada
The spatial fourth-order compact splitting	School of Science, Nanjing University of
FDTD scheme with modified energy-	Science and Technology, Nanjing, Jiangsu,
conserved identity for two-dimensional	210094, China School of Mathematical
Lorentz model	Sciences, Ocean University of China,
	Qingdao, 266100, China; Department of
	Mathematics and Statistics, York
	University, Toronto, Ontario, M3J 1P3,
	Canada
Gas/particle partitioning of semi-volatile	Heilongjiang Provincial Key laboratory of
organic compounds in the atmosphere:	Polar Environment and Ecosystem
Transition from unsteady to steady state	(HPKL-PEE), School of Environment,
······································	HIT, Harbin 150090, China; IJRC-PTS-
	NA, Toronto M2N 6X9, Canada;
	International Joint Research Center for
	Persistent Toxic Substances (IJRC-PTS),
	State Key Laboratory of Urban Water
	Resource and Environment, Harbin
	Institute of Technology (HIT), Harbin
	150090, China; International Joint

	Research Center for Arctic Environment
	and Ecosystem (IJRC-AEE), Polar
	Academy, HIT (PA-HIT), Harbin 150090,
	China Heilongjiang Provincial Key
	laboratory of Polar Environment and
	Ecosystem (HPKL-PEE), School of
	Environment, HIT, Harbin 150090, China;
	International Joint Research Center for
	Persistent Toxic Substances (IJRC-PTS),
	State Key Laboratory of Urban Water
	Resource and Environment, Harbin
	Institute of Technology (HIT), Harbin
	150090, China; International Joint
	Research Center for Arctic Environment
	and Ecosystem (IJRC-AEE), Polar
	Academy, HIT (PA-HIT), Harbin 150090,
	China International Joint Research
	Center for Persistent Toxic Substances
	(IJRC-PTS), State Key Laboratory of
	Urban Water Resource and Environment,
	Harbin Institute of Technology (HIT),
	Harbin 150090, China; International Joint
	Research Center for Arctic Environment
	and Ecosystem (IJRC-AEE), Polar
	Academy, HIT (PA-HIT), Harbin 150090,
	China Institute of Ocean Sciences,
	Department of Fisheries and Oceans, P.O.
	Box 6000, Sidney, BC V8L 4B2, Canada
	Wadsworth Center, New York State
	Department of Health, Department of
	Environmental Health Sciences, School of
	Public Health, State University of New
	York at Albany, Empire State Plaza, P.O.
	Box 509, Albany, NY 12201-0509, USA
A simplified finite volume lattice	National Key Laboratory of Science and
Boltzmann method for simulations of fluid	Technology on Aerodynamic Design and
flows from laminar to turbulent regime,	Research, Northwestern Polytechnical
Part I: Numerical framework and its	University, Xiâ€ [™] an, Shaanxi 710072,
application to laminar flow simulation	China National Key Laboratory of
approation to fammal now simulation	Science and Technology on Aerodynamic
	Design and Research, Northwestern
	Polytechnical University, Xiâ€ [™] an,
	Shaanxi 710072, China Department of
	Mechanical & Industrial Engineering,
	Ryerson University, Toronto, Ontario,
	Canada M5B 2K3 National Key

	Laboratory of Science and Technology on Aerodynamic Design and Research, Northwestern Polytechnical University, Xiâ€ [™] an, Shaanxi 710072, China National Key Laboratory of Science and Technology on Aerodynamic Design and Research, Northwestern Polytechnical University, Xiâ€ [™] an, Shaanxi 710072, China
The effect of similarity on the evolution of	School of Electronic and Information
fairness in the ultimatum game	Engineering, Beihang University, Beijing
	100191, China; Key Laboratory of
	Advanced technology of Near Space
	Information System (Beihang University),
	Ministry of Industry and Information
	Technology of China, China Department
	of Computer Science, University of Toronto, 6 King's College Road,
	Toronto, Ontario M5S 3G4, Canada
	School of Electronic and Information
	Engineering, Beihang University, Beijing
	100191, China; Key Laboratory of
	Advanced technology of Near Space
	Information System (Beihang University),
	Ministry of Industry and Information
	Technology of China, China School of
	Electronic and Information Engineering,
	Beihang University, Beijing 100191, China;
	Key Laboratory of Advanced technology of Near Space Information System (Beihang
	University), Ministry of Industry and
	Information Technology of China, China
	School of Mathematical Sciences,
	University of Electronic Science and
	Technology of China, Chengdu 611731,
	China
Attitude Tracking Control for Rigid-	Harbin Institute of Technology, 150001
Flexible Coupled Spacecraft with	Harbin, Peopleâ€ [™] s Republic of China
Guaranteed Performance Bounds	Ryerson University, Toronto, Ontario,
	M5B 2K3, Canada Harbin Institute of
	Technology, 150001 Harbin, People's Republic of China Harbin Institute of
	Technology, 150001 Harbin, People's
	Republic of China

Chloride concentration distributions in	School of Transportation Science and
fatigue damaged RC beams revealed by	Engineering Beihang University Beijing
energy-dispersive X-ray spectroscopy	100191 China School of Transportation
	Science and Engineering Beihang
	University Beijing 100191 China
	Department of Civil and Mineral
	Engineering, University of Toronto,
	Toronto, ON M5S 1A4, Canada School of
	Civil Engineering, Harbin Institute of
	Technology, Harbin 150090, China)
	Laboratory of Corrosion Science &
	Electrochemical Engineering, Department
	of Civil and Environmental Engineering,
	Washington State University, Pullman,
	WA 99164-2910, USA
Graph Model Under Unknown and Fuzzy	School of Economics and Management,
Preferences	Nanjing University of Science and
	Technology, Nanjing, China; Jiangsu
	Industrial Cluster Decision-making and
	Consulting Research Base, Nanjing, China;
	Centre for Low-carbon Economy and
	Environment Policy Studies, Nanjing,
	China; Centre for International Economy
	and Trade Studies, Nanjing, China Centre
	for International Governance Innovation,
	Waterloo, Canada; Department of Systems
	Design Engineering, University of
	Waterloo, Waterloo, Canada; Balsillie
	School of International Affairs, Waterloo,
	Canada Department of Mathematics,
	Wilfrid Laurier University, Waterloo ON,
	Canada Department of Mechanical and
	Industrial Engineering, Ryerson
	University, Toronto, ON, Canada School
	of Economics, Ocean University of China ,
	Qingdao, China
Effects of the reinforcement ratio and	School of Transportation Science and
	-
chloride corrosion on the fatigue behavior	Engineering, Beihang University, 37
of RC beams	Xueyuan Road, Haidian District, Beijing
	100191, China School of Transportation
	Science and Engineering, Beihang
	University, 37 Xueyuan Road, Haidian
	District, Beijing 100191, China School of
	Transportation Science and Engineering,
	Beihang University, 37 Xueyuan Road,
	Haidian District, Beijing 100191, China

Department of Civil and Mineral Engineering University of Toronto 35 St.
George Street. Toronto, ON M5S 1A4,
Canada
Electronic Information School, Wuhan
University Wuhan China Electronic
Information School, Wuhan University
Wuhan China School of Computer
Science and Technology, Harbin Institute
of Technology, Harbin, China Electronic
Information School, Wuhan University
Wuhan China Department of Electrical, Computer, and Biomedical Engineering;
Ryerson University; Toronto Canada
School of Marine Science and
Technology, Sino-Europe Membrane
Technology Research Institute, Harbin
Institute of Technology, Weihai 264209, P.
R. China Key Laboratory of Materials
Processing and Mold (Zhengzhou
University), Ministry of Education;
National Engineering Research Center for
Advanced Polymer Processing Technology
Zhengzhou University Zhengzhou 450002
China Microcellular Plastics
Manufacturing Laboratory, Department of Mechanical and Industrial Engineering
University of Toronto Toronto Ontario
Canada
School of Information and Electronics,
Beijing Institute of Technology, Beijing,
China; School of Computer Science and
Engineering Nanyang Technological
University,Singapore Department of
Electrical Engineering and Computer
Science, York University, Toronto, ON,
Canada. School of Information and
Electronics, Beijing Institute of
Technology, Beijing, China; School of
Information and Electronics, Beijing Institute of Technology, Beijing, China;
EPFL, Lausanne, Switzerland EPFL,
Lausanne, Switzerland EPFL, Lausanne,
Switzerland ETHZ, Zrich, Switzerland
EECS, York University, Toronto, Canada
EECS, York University, Toronto, Canada

National University of Defense Technology,
Changsha, China National University of
Defense Technology, Changsha, China
National University of Defense Technology,
Changsha, China Department of
Electronic and Information Engineering,
The Hong Kong Polytechnic University,
Hong Kong, China CS laboratory at the
Ecole Polytechnique, Palaiseau, France;
Department of Electronic and Information
Engineering, The Hong Kong Polytechnic
University, Hong Kong, China
Department of Electronic and Information
Engineering, The Hong Kong Polytechnic
University, Hong Kong, China Jadavpur
University, Kolkata, India Indian
Institute of Technology, Jodhpur, India
Punjab Engineering College (PEC),
Chandigarh, India Dalian Maritime
University, Dalian, China China
Everbright Bank, Beijing, China Couger
Inc, Tokyo, Japan Sethu Institute of
Technology, Virudhunagar, India
Thiagarajar College of Engineering,
Virudhunagar, India Computer Vision
and Computational Photography Group,
School of Computer Science, Northwestern
Polytechnical University, Xiâ€ [™] an, China
Computer Vision and Computational
Photography Group, School of Computer
Science, Northwestern Polytechnical
University, Xiâ€ [™] an, China Computer
Vision and Computational Photography
Group, School of Computer Science,
Northwestern Polytechnical University,
Xiâ€ [™] an, China Computer Vision and
Computational Photography Group,
School of Computer Science, Northwestern
Polytechnical University, Xiâ€ [™] an, China
Indian Institute of Technology Madras,
Chennai, India Indian Institute of
Technology Madras, Chennai, India Indian Institute of Technology Madras
Indian Institute of Technology Madras, Channai, India College of Engineering
Chennai, India College of Engineering,
Trivandrum, India College of
Engineering, Trivandrum, India College

of Engineering, Trivandrum, India College of Engineering, Trivandrum, Indi MAICRO, Beijing, China; Nanjing Artificial Intelligence Chip Research, Institute of Automation, Chinese Academ of Sciences (AiRiA) MAICRO, Beijing, China; Nanjing Artificial Intelligence Chi Research, Institute of Automation, Chinese Academy of Sciences (AiRiA) MAICRO, Beijing, China; Nanjing Artificial Intelligence Chip Research, Institute of
MAICRO, Beijing, China; Nanjing Artificial Intelligence Chip Research, Institute of Automation, Chinese Academ of Sciences (AiRiA) MAICRO, Beijing, China; Nanjing Artificial Intelligence Chi Research, Institute of Automation, Chine Academy of Sciences (AiRiA) MAICRO, Beijing, China; Nanjing Artificial
Artificial Intelligence Chip Research, Institute of Automation, Chinese Academ of Sciences (AiRiA) MAICRO, Beijing, China; Nanjing Artificial Intelligence Chi Research, Institute of Automation, Chine Academy of Sciences (AiRiA) MAICRO Beijing, China; Nanjing Artificial
Institute of Automation, Chinese Academ of Sciences (AiRiA) MAICRO, Beijing, China; Nanjing Artificial Intelligence Chi Research, Institute of Automation, Chine Academy of Sciences (AiRiA) MAICRO Beijing, China; Nanjing Artificial
of Sciences (AiRiA) MAICRO, Beijing, China; Nanjing Artificial Intelligence Chi Research, Institute of Automation, Chine Academy of Sciences (AiRiA) MAICRO Beijing, China; Nanjing Artificial
China; Nanjing Artificial Intelligence Chi Research, Institute of Automation, Chine Academy of Sciences (AiRiA) MAICRO Beijing, China; Nanjing Artificial
Research, Institute of Automation, Chine Academy of Sciences (AiRiA) MAICRO Beijing, China; Nanjing Artificial
Academy of Sciences (AiRiA) MAICRO Beijing, China; Nanjing Artificial
Beijing, China; Nanjing Artificial
Intelligence Chip Research, Institute of
Automation, Chinese Academy of Science
(AiRiA) MAICRO, Beijing, China;
Nanjing Artificial Intelligence Chip
Research, Institute of Automation, Chine
Academy of Sciences (AiRiA) MAICRO
Beijing, China; Nanjing Artificial
Intelligence Chip Research, Institute of
Automation, Chinese Academy of Science
(AiRiA) MAICRO, Beijing, China;
Nanjing Artificial Intelligence Chip
Research, Institute of Automation, Chine
Academy of Sciences (AiRiA)
Maximum-Throughput Sidelink Resource College of Electronic and information
Allocation for NR-V2X Networks With the Engineering, Nanjing University of
Energy-Efficient CSI Transmission Aeronautics and Astronautics Nanjing,
China College of Electronic and
information Engineering, Nanjing
University of Aeronautics and Astronauti
Nanjing, China College of Electronic and
information Engineering, Nanjing
University of Aeronautics and Astronauti
Nanjing, China University of Toronto,
Toronto, Canada
Homotopic Approach for Robot Allocation [School of Astronautics, Harbin Institute
Optimization Coupled With PathTechnology, Harbin, China, Department
Constraints Mechanical and Industrial Engineering,
University of Toronto, Toronto, Canada]
School of Astronautics, Harbin Institute of
Technology, Harbin, China School of
Astronautics, Harbin Institute of
Technology, Harbin, China School of
Astronautics, Harbin Institute of
Technology, Harbin, China School of
Astronautics, Harbin Institute of
Technology, Harbin, China

PLSD: A Perceptually Accurate Line Segment Detection Approach	College of Automation Engineering, Nanjing University of Aeronautics and Astronautics Nanjing, China Nondestructive Detection and Monitoring
Primed Left Ventricle Heart Perfusion Creates Physiological Aortic Pressure in Porcine Hearts	From the Department of Mechanical & Industrial Engineering, University of Toronto, Toronto, Ontario Canada. School of Astronautics, Harbin Institute of Technology, Harbin, China.; From the Department of Mechanical & Industrial Engineering, University of Toronto, Toronto, Ontario Canada. School of Mechatronic Engineering and Automation, Shanghai University, China Department of Cardiovascular Surgery, University Health Network, Canada.; From the Department of Mechanical & Industrial Engineering, University of Toronto, Toronto, Ontario Canada. Department of Cardiovascular Surgery, University Health Network, Canada. Department of Cardiovascular Surgery, University Health Network, Canada. School of Mechatronic Engineering and Automation, Shanghai University, China From the Department of Mechanical & Industrial Engineering, University of Toronto, Toronto, Ontario Canada. School of Mechatronic Engineering and Automation, Shanghai University of Toronto, Toronto, Ontario Canada. From the Department of Mechanical & Industrial Engineering, University of Toronto, Toronto, Ontario Canada. Schaefer School of Engineering and Science Stevens Institute of Technology,Hoboken,NJ From the Department of Mechanical & Industrial Engineering, University of Toronto, Toronto, Ontario Canada. Faculty of Medicine, University of Toronto, Toronto, Toronto, Ontario, Canada.; Department of

	Cardiovascular Surgery, University Health
	Network, Canada.
Effects of clamping force on carrying	Beijing Advanced Innovation Center for
energy ability of a harmonic scalpel	Biomedical Engineering, Beihang
energy ability of a narmonic scalper	University, Beijing, 100191, China Beijing
	Advanced Innovation Center for
	Biomedical Engineering, Beihang
	University, Beijing, 100191, China
	Shandong Economy and Information
	Technology Institute, No. 134, Jiefang
	Road, Jiâ€ [™] nan, 250013, China Beijing
	Advanced Innovation Center for
	Biomedical Engineering, Beihang
	University, Beijing, 100191, China Beijing
	Advanced Innovation Center for
	Biomedical Engineering, Beihang
	University, Beijing, 100191, China
	Department of Mechanical and Industrial
	Engineering, University of Toronto,
	Toronto, Canada
Broad-band lead halide perovskite	Center of Materials Science and
quantum dot single-mode lasers	Optoelectronics Engineering, University of
	Chinese Academy of Sciences, Beijing
	100049, China; Key Laboratory of
	Materials for High-Power Laser, Shanghai
	Institute of Optics and Fine Mechanics,
	Chinese Academy of Sciences, Shanghai,
	China; Shanghai; Hangzhou Institute for
	Advanced Study, UCAS, 310024
	Hangzhou, China Center of Materials
	Science and Optoelectronics Engineering,
	University of Chinese Academy of Sciences,
	Beijing 100049, China; China; Key
	Laboratory of Materials for High-Power
	Laser, Shanghai Institute of Optics and
	Fine Mechanics, Chinese Academy of
	Sciences, Shanghai, China; Shanghai
	Hangzhou Institute for Advanced Study;
	Key Laboratory of Materials for High-
	Power Laser, Shanghai Institute of Optics
	and Fine Mechanics, Chinese Academy of
	Sciences, Shanghai, China; Shanghai;
	Hangzhou Institute for Advanced Study,
	UCAS, 310024 Hangzhou, China
	Department of Electrical and Computer
	Engineering, University of Toronto, 35 St

Deen Learning-Based Approach for Civil	George Street, Toronto, Ontario M5S 1A4, Canada; Toronto; Canada Division of Physical Sciences and Engineering, King Abdullah University of Science and Technology (KAUST), Thuwal 23955-6900, Kingdom of Saudi Arabia; Thuwal 23955- 6900; Kingdom of Saudi Arabia Nanjing; China; College of Science, Nanjing University of Aeronautics and Astronautics, Nanjing, China Hangzhou Institute for Advanced Study; Key Laboratory of Materials for High-Power Laser, Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences, Shanghai, China; Shanghai; Hangzhou Institute for Advanced Study, UCAS, 310024 Hangzhou, China
Deep Learning-Based Approach for Civil Aircraft Hazard Identification and Prediction	Department of Mechanical and Industrial Engineering, University of Toronto, Toronto, Canada; Civil Aviation Key Laboratory of Aircraft Health Monitoring and Intelligent Maintenance, College of Civil Aviation, Nanjing University of Aeronautics and Astronautics, Nanjing, China [University of Toronto, Toronto, Canada, College of Science, Nanjing University of Aeronautics and Astronautics, Nanjing, China [Civil Aviation Key Laboratory of Aircraft Health Monitoring and Intelligent Maintenance, College of Civil Aviation, Nanjing University of Aeronautics and Astronautics, Nanjing, China] Department of Mechanical Engineering, Center for Advanced Life Cycle Engineering, University of Maryland, College Park, USA; Civil Aviation Key Laboratory of Aircraft Health Monitoring and Intelligent Maintenance, College of Civil Aviation, Nanjing University of Aeronautics and Astronautics, Nanjing, China [Civil Aviation Key Laboratory of Aircraft Health Monitoring and Intelligent Maintenance, College of Civil Aviation, Nanjing University of Aeronautics and Astronautics, Nanjing, China [Civil Aviation Key Laboratory of Aircraft Health Monitoring and Intelligent Maintenance, College of Civil Aviation, Nanjing University of Aeronautics and Astronautics, Nanjing, China]

Interation Molded Steven - Delementary	v I aboutour for I in-id Salid
• • • •	y Laboratory for Liquid-Solid
-	uctural Evolution and Processing of
	aterials (Ministry of Education),
	andong University, Jinan, Shandong,
25	0061 China; Centre for Precision
En	gineering, School of Mechatronics
En	gineering, Harbin Institute of
	chnology, Harbin, 150001 China;
	crocellular Plastics Manufacturing
	boratory, Department of Mechanical
	d Industrial Engineering, University of
	ronto, Toronto, Ontario, M5S 3G8
	nada Centre for Precision Engineering,
	hool of Mechatronics Engineering,
	0 0
	rbin Institute of Technology, Harbin, 0001 China Key Laboratory for Liquid-
	lid Structural Evolution and Processing
	Materials (Ministry of Education),
	andong University, Jinan, Shandong,
	0061 China Microcellular Plastics
	anufacturing Laboratory, Department of
	echanical and Industrial Engineering,
	iversity of Toronto, Toronto, Ontario,
M	58 3G8 Canada Microcellular Plastics
Ma	anufacturing Laboratory, Department of
M	echanical and Industrial Engineering,
Un	iversity of Toronto, Toronto, Ontario,
M	58 3G8 Canada
An empirical examination of individual An	tai College of Economics and
	anagement, Shanghai Jiao Tong
	iversity, Shanghai, China School of
	anagement, Harbin Institute of
	chnology, Harbin, China School of
	blic Administration, Central China
	rmal University, Wuhan, China
	iversity of Toronto, Toronto, Canada
	hool of Management and Labor
	lations, Rutgers University, Piscataway,
	w Jersey, USA
e	inghua-Berkeley Shenzhen Institute,
	inghua University, Shenzhen, 518055,
	ina; School of Economics and
	anagement, Harbin Institute of
	chnology (Shenzhen), Shenzhen, 518055,
Ch	
	ina School of Environment and tural Resources,Renmin University of

	China, Beijing 100872, China) School of Environment and Natural Resources, Renmin University of China, Beijing 100872, China) School of Environment and Natural Resources, Renmin University of China, Beijing 100872, China) School of
	Environment and Natural Resources,Renmin University of China, Beijing 100872,China) Department of Economics, York University, Toronto, M3J1P3, Canada; Tsinghua-Berkeley Shenzhen Institute, Tsinghua University, Shenzhen, 518055, China
A practical methodology to evaluate internationally consistent energy data for China's transport sector	Environmental Science and New Energy Technology Engineering Laboratory, Tsinghua-Berkeley Shenzhen Institute, Shenzhen, 518055, China; School of Economics and Management, Harbin Institute of Technology (Shenzhen), Shenzhen, 518055, China Environmental Science and New Energy Technology Engineering Laboratory, Tsinghua- Berkeley Shenzhen Institute, Shenzhen, 518055, China Environmental Science and New Energy Technology Engineering Laboratory, Tsinghua-Berkeley Shenzhen Institute, Shenzhen, 518055, China School of Environment and Nature Resources, Renmin University of China, Beijing, 100872, China School of Environment and Nature Resources, Renmin University of China, Beijing, 100872, China Environmental Science and New Energy Technology Engineering Laboratory, Tsinghua-Berkeley Shenzhen Institute, Shenzhen, 518055, China; Department of Economics, York University, Toronto, M3J1P3, Canada
Integration of nanoindentation and finite element method for interpretable tensile properties: A cross-scale calculation method of uneven joints	Department of Materials Science and Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada; School of Energy and Power Engineering, Beihang University, Beijing, 100191, China Department of Materials Science and Engineering, University of Toronto,

	Toronto, ON M5S 3E4, Canada School of
	Energy and Power Engineering, Beihang
	University, Beijing, 100191, China
	Department of Materials Science and
	Engineering, University of Toronto,
	Toronto, ON M5S 3E4, Canada School of
	Energy and Power Engineering, Beihang
	University, Beijing, 100191, China
Seasonal variations of airborne phthalates	International Joint Research Center for
and novel non-phthalate plasticizers in a	Persistent Toxic Substances (IJRC-PTS),
test residence in cold regions: Effects of	International Joint Research Center for
temperature, humidity, total suspended	Arctic Environment and Ecosystem (IJRC-
particulate matter, and sources	AEE), State Key Laboratory of Urban
particulate matter, and sources	Water Resource and Environment, Harbin
	Institute of Technology, Harbin 150090, Chinas School of Environment, Harbin
	China; School of Environment, Harbin
	Institute of Technology, Harbin 150090,
	China; University Corporation for Polar
	Research, Beijing 100875, China. College
	of the Environment and Ecology, Xiamen
	University, Xiamen, China; Air Quality
	Processes Research Section, Environment
	and Climate Change Canada, 4905
	Dufferin Street, Toronto, Ontario M3H
	5T4, Canada. International Joint
	Research Center for Persistent Toxic
	Substances (IJRC-PTS), International
	Joint Research Center for Arctic
	Environment and Ecosystem (IJRC-AEE),
	State Key Laboratory of Urban Water
	Resource and Environment, Harbin
	Institute of Technology, Harbin 150090,
	China; School of Environment, Harbin
	Institute of Technology, Harbin 150090,
	China; University Corporation for Polar
	Research, Beijing 100875, China.
	Electronic address: llyan7664@163.com.
	International Joint Research Center for
	Persistent Toxic Substances (IJRC-PTS),
	International Joint Research Center for
	Arctic Environment and Ecosystem (IJRC-
	AEE), State Key Laboratory of Urban
	Water Resource and Environment, Harbin
	Institute of Technology, Harbin 150090,
	China; School of Environment, Harbin
	Institute of Technology, Harbin 150090,

	China; University Corporation for Polar
	Research, Beijing 100875, China.
	International Joint Research Center for
	Persistent Toxic Substances (IJRC-PTS),
	International Joint Research Center for
	Arctic Environment and Ecosystem (IJRC-
	AEE), State Key Laboratory of Urban
	Water Resource and Environment, Harbin
	Institute of Technology, Harbin 150090,
	China; School of Environment, Harbin
	Institute of Technology, Harbin 150090,
	China; University Corporation for Polar
	Research, Beijing 100875, China.
	International Joint Research Center for
	Persistent Toxic Substances (IJRC-PTS),
	International Joint Research Center for
	Arctic Environment and Ecosystem (IJRC-
	AEE), State Key Laboratory of Urban
	Water Resource and Environment, Harbin
	Institute of Technology, Harbin 150090,
	China; School of Environment, Harbin
	Institute of Technology, Harbin 150090,
	China; University Corporation for Polar
	Research, Beijing 100875, China. Air
	Quality Processes Research Section,
	Environment and Climate Change Canada,
	4905 Dufferin Street, Toronto, Ontario
	M3H 5T4, Canada. International Joint
	Research Center for Persistent Toxic
	Substances (IJRC-PTS), International
	Joint Research Center for Arctic
	Environment and Ecosystem (IJRC-AEE),
	State Key Laboratory of Urban Water
	Resource and Environment, Harbin
	Institute of Technology, Harbin 150090,
	China; School of Environment, Harbin
	Institute of Technology, Harbin 150090,
	China; University Corporation for Polar
	Research, Beijing 100875, China; IJRC-
	PTS-NA, Toronto M2N 6X9, Canada.
Recursive Zero-COVID model and	Harbin Engineering University, Harbin,
quantitation of control efforts of the	150001, China Northeast Normal
Omicron epidemic in Jilin province	University, Changchun, 130024, China
	Northeast Normal University, Changchun,
	130024, China Northeast Normal
	University, Changchun, 130024, China
	- m, e. s.e., , changenan, 10002 i, china

	Northeast Normal University, Changchun,
	130024, China York University, Toronto,
	Canada York University, Toronto,
	Canada Changchun University of Science
	and Technology, Changchun, 130013,
	China Jilin University, Changchun,
	130021, China Jilin University,
	Changchun, 130021, China Changchun
	Center for Disease Control and Prevention,
	Changchun, 130033, China Northeast
	Normal University, Changchun, 130024,
	China York University, Toronto, Canada
Hybrid Analog and Digital Beamforming	School of Cyberspace Science and
for RIS-Assisted mmWave	Technology, Beijing Institute of
Communications	Technology, Beijing, China School of
	Information and Electronics, Beijing
	Institute of Technology, Beijing, China
	Department of Electrical, Computer and
	Biomedical Engineering, Toronto
	Metropolitan University (Formerly
	Ryerson University), Toronto, ON, Canada
	Information Systems Technology and
	Design Pillar, Singapore University of
	Technology and Design, Singapore
STAR-RIS Enabled Downlink Secure	School of electronics and information
NOMA Network Under Imperfect CSI of	engineering, Harbin Institute of
Eavesdroppers	Technology, Harbin, Heilongjiang
	Province, China School of electronics and
	information engineering, Harbin Institute
	of Technology, Harbin, Heilongjiang
	Province, China Department of Electrical
	& Computer Engineering,
	University of Toronto, Toronto, ON,
	Canada
Dynamic failure characteristics of	Tianjin University State Key Laboratory
-	
surrounding rocks under different lateral	of Hydraulic Engineering Simulation and
pressure coefficients in deep tunnel	Safety, School of Civil Engineering, Tianjin
transient excavation	University, Tianjin, China State Key
	Laboratory of Explosion Science and
	Technology, Beijing Institute of
	Technology, Beijing, China; State Key
	Laboratory of Hydraulic Engineering
	Simulation and Safety, School of Civil
	Engineering, Tianjin University, Tianjin,
	China State Key Laboratory of Hydraulic
	Engineering Simulation and Safety, School

Correction: Dynamic Mode II Fracture Toughness of Rocks Subjected to Various In Situ Stress Conditions	of Civil Engineering, Tianjin University, Tianjin, China; Department of Civil and Mineral Engineering, University of Toronto, Toronto, Canada State Key Laboratory of Hydraulic Engineering Simulation and Safety, School of Civil Engineering, Tianjin University, Tianjin, China State Key Laboratory of Hydraulic Engineering Simulation and Safety, School of Civil Engineering, Tianjin University, Tianjin, China Beijing Institute of Technology; Tianjin University State Key Laboratory of Hydraulic Engineering Simulation and Safety, School of Civil Engineering, Tianjin University, Tianjin, China State Key Laboratory of Hydraulic Engineering Simulation and Safety, School of Civil Engineering, Tianjin University, Tianjin,
	China State Key Laboratory of Hydraulic Engineering Simulation and Safety, School of Civil Engineering, Tianjin University, Tianjin, China State Key Laboratory of Hydraulic Engineering Simulation and Safety, School of Civil Engineering, Tianjin University, Tianjin, China; Department of Civil and Mineral Engineering, University of Toronto, Toronto, Canada
A data-driven deep learning network for massive MIMO detection with high-order QAM	College of Information and Communication Engineering, Harbin Engineering University, Harbin 150001, China College of Information and Communication Engineering, Harbin Engineering University, Harbin 150001, China Department of Electrical Engineering and Computer Science, York University, Toronto, ON M3J 1P3, Canada College of Information and Communication Engineering, Harbin Engineering University, Harbin 150001, China
Deep imbalanced domain adaptation for transfer learning fault diagnosis of bearings under multiple working conditions	Centre for Maintenance Optimization and Reliability Engineering, University of Toronto, Toronto M5S 3G8, Canada; School of Mechanical Engineering, Southeast University, Nanjing 211189, PR

Domain generalization via adversarial out- domain augmentation for remaining useful life prediction of bearings under unseen conditions	China School of Mechanical Engineering, Southeast University, Nanjing 211189, PR China School of Mechanical Engineering, Southeast University, Nanjing 211189, PR China School of Mechanical Engineering, Southeast University, Nanjing 211189, PR China School of Mechanical Engineering, Nanjing University of Science and Technology, Nanjing 210014, PR China Centre for Maintenance Optimization and Reliability Engineering, University of Toronto, Toronto M5S 3G8, Canada Centre for Maintenance Optimization and Reliability Engineering, University of Toronto, Toronto M5S 3G8, Canada; School of Mechanical Engineering, Southeast University, Nanjing 211189, PR China School of Mechanical Engineering, Southeast University, Nanjing 211189, PR
	Toronto, Toronto M5S 3G8, Canada
A nonlinear interactive grey multivariable model based on dynamic compensation for forecasting the economy-energy- environment system	Department of Mechanical and Industrial Engineering, Ryerson University, 350 Victoria Street, Toronto, Ontario M5B 2K3, Canada; College of Economics and Management, Nanjing University of Aeronautics and Astronautics, Nanjing, Jiangsu 211100, China College of Economics and Management, Nanjing University of Aeronautics and Astronautics, Nanjing, Jiangsu 211100, China Department of Mechanical and Industrial Engineering, Ryerson University, 350 Victoria Street, Toronto, Ontario M5B 2K3, Canada College of Economics and Management, Nanjing University of Aeronautics and

	Astronautics, Nanjing, Jiangsu 211100,
Uncertainty quantification of separation	China School of Energy Science and Technology,
control with synthetic jet actuator over a	Harbin Institute of Technology, Harbin,
NACA0025 airfoil	150001, China School of Energy Science
	and Technology, Harbin Institute of
	Technology, Harbin, 150001, China School of Energy Science and Technology
	School of Energy Science and Technology, Harbin Institute of Technology, Harbin,
	150001, China School of Energy Science
	and Technology, Harbin Institute of
	Technology, Harbin, 150001, China
	School of Energy Science and Technology,
	Harbin Institute of Technology, Harbin,
	150001, China Department of Mechanical
	and Industrial Engineering, University of
	Toronto, Toronto, H3G 1M8, Canada
CONSTRUCTING MAXIMAL COFINITARY GROUPS	Department of Mathematics University of Toronto 40 St. George Street, Toronto
COMMIANI OKOUIS	Ontario M5S 2E4 Canada and Institute for
	Advanced Study in Mathematics, Harbin
	Institute of Technology 92 West Da Zhi
	Street, Harbin, Heilongjiang 150001 China
Fuzzy levels of preference strength in a	School of Economics and Management,
graph model with multiple decision makers	Nanjing University of Science and
	Technology, Nanjing, Jiangsu 210094,
	China; Jiangsu Industrial Cluster
	Decision-making and Consulting Research Base, Nanjing, Jiangsu 210094, China
	Department of Systems Design
	Engineering, University of Waterloo,
	Waterloo, Ontario N2L 3G1, Canada;
	Balsillie School of International Affairs,
	Waterloo, Ontario N2L 6C2, Canada;
	Centre for International Governance
	Innovation, Waterloo, Ontario N2L 6C2,
	Canada Department of Systems Design Engineering, University of Waterloo,
	Waterloo, Ontario N2L 3G1, Canada;
	Department of Mathematics, Wilfrid
	Laurier University, Waterloo, Ontario N2L
	3C5, Canada Department of Systems
	Design Engineering, University of
	Waterloo, Waterloo, Ontario N2L 3G1,
	Canada; Department of Mechanical and

	Industrial Engineering, Ryerson University
	Toronto, Ontario M5B 2K3, Canada
Concurrent Rendezvous Control of	Northwestern Polytechnical University,
Underactuated Space Manipulators	710072 Xi ' an, People ' s Republic
	of China University of Toronto, Institute
	for Aerospace Studies, Toronto, M3H 5T6
	Canada Luleå University of Technology,
	Kiruna 98128, Sweden
Task-Driven Relay Assignment in	[College of Communications Engineering,
Distributed UAV Communication	Army Engineering University, Nanjing,
Networks	China] [College of Communications
	Engineering, Army Engineering
	University, Nanjing, China] College of
	Information and Communication National
	University of Defense Technology Wuhan
	China [College of Communications
	Engineering, Army Engineering
	University, Nanjing, China] [College of
	Communications Engineering, Army
	Engineering University, Nanjing, China]
	[College of Communications Engineering,
	Army Engineering University, Nanjing,
	China] College of Electronic and
	information Engineering, Nanjing
	University of Aeronautics and Astronautics
	Nanjing, China [Department of Electrical,
	and Computer Engineering, Ryerson
	University, Toronto, ON, Canada]
Distributed passivity-based control for	Department of Earth and Space Science
multiple flexible spacecraft with attitude-	and Engineering, York University, 4700
only measurements	Keele St., Toronto, M3J 1P3, Canada
•	Department of Earth and Space Science
	and Engineering, York University, 4700
	Keele St., Toronto, M3J 1P3, Canada
	State Key Laboratory of Mechanics and
	Control of Mechanical Structures, Nanjing
	University of Aeronautics and
	Astronautics, 29 Yudao St, Nanjing
	210016, China#TAB#
Joint Multi-User Computation Offloading	School of Information and Electronics,
and Data Caching for Hybrid Mobile	Beijing Institute of Technology, Beijing,
Cloud/Edge Computing	China; School of Information and
	Electronics, Beijing Institute of
	Technology, Beijing, China; Academy of
	Military Sciences PLA, National
	Innovation Institute of Defense

	Technology, Beijing, China Department of Computing Sciences, Texas A&M University – Corpus Christi, Corpus Christi, TX, USA [Department of Electrical, and Computer Engineering, Ryerson University, Toronto, ON, Canada]
Dynamic Mode Decomposition Analysis of Flow Separation in a Diffuser to Inform Flow Control Strategies	College of Energy and Power Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing, Jiangsu 210016, China;Turbulence Research Laboratory, Department of Mechanical and Industrial Engineering, University of Toronto, Toronto, ON M5S 3G8, Canada College of Energy and Power Engineering, Nanjing University of Aeronautics and Astronautics , Nanjing , Jiangsu , 210016 , China College of Energy and Power Engineering, Nanjing University of Aeronautics and Astronautics , Nanjing , Jiangsu , 210016 , China Turbulence Research Laboratory, Department of Mechanical and Industrial Engineering, University of Toronto, Toronto, ON M5S 3G8, Canada
Author Correction: Dopant-induced	Department of Electrical and Computer
electron localization drives CO2 reduction	Engineering, University of Toronto,
to C2 hydrocarbons	Toronto, Ontario, Canada.; MIIT Key Laboratory of Critical Materials Technology for New Energy Conversion and Storage, School of Chemistry and Chemical Engineering, Harbin Institute of Technology, Harbin, China. [Department of Electrical & Computer Engineering, University of Toronto, Toronto, Ontario, Canada] State Key Laboratory of Power Metallurgy, Central South University, Changsha, China.; Department of Electrical and Computer Engineering, University of Toronto, Toronto, Ontario, Canada. [Department of Electrical & Computer Engineering, University of Toronto, Toronto, Ontario, Canada] [Department of Electrical & Computer Engineering, University of Toronto, Toronto, Ontario, Canada] [Department of Electrical & Computer Engineering, University of Toronto, Toronto, Ontario, Canada] [Department of Electrical & Computer Engineering, University of Toronto, Toronto, Ontario, Canada] University of Toronto, Toronto, Ontario, Constanio, Canada] Department of Materials Science and Engineering, University of Toronto, Ontario,

	Canada. Department of Electrical and
	Computer Engineering, University of
	Toronto, Toronto, Ontario, Canada.;
	Department of Chemistry, KU Leuven,
	Leuven, Belgium. Department of
	Mechanical and Industrial Engineering,
	University of Toronto, Toronto, Ontario,
	Canada. Department of Chemistry,
	University of Western Ontario,
	London, Ontario, Canada [Institute of
	Super-Microstructure and Ultrafast
	Process in Advanced Materials, School of
	Physics and Electronics, Central South
	University, Changsha, China] [Institute of Super-Microstructure and Ultrafast
	-
	Process in Advanced Materials, School of Physics and Electropics, Control South
	Physics and Electronics, Central South
	University, Changsha, China]
	[Department of Electrical & Computer
	Engineering, University of Toronto,
	Toronto, Ontario, Canada] EMAT,
	University of Antwerp, Antwerp, Belgium
	[Department of Electrical & Computer
	Engineering, University of Toronto,
	Toronto, Ontario, Canada] Department of
	Chemistry, University of Western Ontario,
	London,Ontario,Canada EMAT,
	University of Antwerp, Antwerp, Belgium
	Department of Chemistry KU Leuven
	Leuven BELGIUM Department of
	Mechanical and Industrial Engineering;
	University of Toronto; Toronto Ontario
	Canada MIIT Key Laboratory of Critical
	Materials Technology for New Energy
	Conversion and Storage, School of
	Chemistry and Chemical Engineering
	Harbin Institute of Technology Harbin
	China Department of Electrical and
	Computer Engineering, University of Toronto, Toronto, Onterio, Canada
	Toronto, Toronto, Ontario, Canada.
	ted.sargent@utoronto.ca.
Monotone dynamics and global behaviors	Department of Applied Mathematics,
of a West Nile virus model with mosquito	Nanjing University of Science and
demographics	Technology, Nanjing, People's
	Republic of China Department of
	Mathematics, Shaoxing University,

Space Structure Vibration Suppression Using Control Moment Gyroscope Null Motion	Zhejiang, Peopleâ€ [™] s Republic of China Department of Mathematics and Statistics, The University of Toledo, Toledo, USA. Lamps and Department of Mathematics and Statistics, York University, Toronto, Canada Harbin Institute of Technology, 150080 Harbin, Peopleâ€ [™] s Republic of China University of Toronto, Toronto, Ontario M3H 5T6, Canada Harbin Institute of Technology, 150080 Harbin, Peopleâ€ [™] s Peopublic of China
High-temperature oxidation mechanisms of nano-/submicro-scale lamellar structures in an intermetallic alloy	Republic of ChinaSchool of Materials Sci. & Eng., TongjiUniversity, Shanghai, 201804, China. School of Materials Science andEngineering, Harbin Institute ofTechnology at Weihai, Weihai 264209,China School of Materials Science andEngineering, Tongji University, Shanghai201804, China School of Materials Scienceand Engineering, Tongji University,Shanghai 201804, China School ofMaterials Science and Engineering, HarbinUniversity of Science and Technology,Harbin 150080, China Institute of Physics,Chinese Academy of Sciences, Beijing100190, China; Institute of PhysicalScience and Information Technology,Anhui University, Hefei 230601, China School of Materials Science andEngineering, Tongji University, Shanghai201804, China School of Materials Scienceand Engineering, Tongji University, Shanghai201804, China; Institute of PhysicalSchool of Materials Science andEngineering, Tongji University, Shanghai201804, China School of Materials Scienceand Engineering, Tongji University, Shanghai201804, China; College ofMechatronics and Control Engineering,Shenzhen University, Shenzhen 518060,China Department of Mechanical andIndustrial Engineering, RyersonUniversity, Toronto, Ontario M5B 2K3,Conade
The bifurcation of periodic orbits and equilibrium points in the linked restricted three-body problem with parameter	Canada Department of Earth and Space Science and Engineering, York University, Toronto M3J 1P3, Canada Department of Earth and Space Science and Engineering, York University, Toronto M3J 1P3, Canada School of Astronautics, Beihang University,

	Beijing 100191 (China) School of
	Astronautics, Beihang University, Beijing
	100191 (China)
A Domand Degnance Scheme in Smart	
A Demand Response Scheme in Smart	Nanjing University of Aeronautics and
Grid with Clustering of Residential	Astronautics, College of Computer Science
Customers	and Technology, Nanjing, China Nanjing
	University of Aeronautics and
	Astronautics, College of Computer Science
	and Technology, Nanjing, China Nanjing
	University of Aeronautics and
	Astronautics, College of Computer Science
	and Technology, Nanjing, China Nanjing
	University of Aeronautics and
	Astronautics, College of Computer Science
	and Technology, Nanjing, China York
	University, Department of Electrical
	Engineering and Computer
	science,Toronto,Canada
Dynamic Access Point and Service	School of Information and Electronics,
Selection in Backscatter-Assisted RF-	Beijing Institute of Technology, Beijing,
Powered Cognitive Networks	China; School of Computer Science and
	Engineering Nanyang Technological
	University, Singapore School of Computer
	Science and Engineering Nanyang
	Technological University, Singapore
	Department of Electrical Engineering and
	Computer Science, York University,
	Toronto, ON, Canada. School of
	Information and Electronics, Beijing
	Institute of Technology, Beijing, China;
	[Center for Intelligent Networking and
	Communications, University of Electronic
	Science and Technology of China,
	Chengdu, China]
Constructing a Comprehensive Clinical	Chinese PLA General
Database Integrating Patients' Data from	Hospital, Department of Computer
Intensive Care Units and General Wards	Management and
Intensive Care Onits and General Wards	Application, Beijing, China School of
	Biological Science and Medical
	Engineering Beihang University Beijing
	China Chinese PLA General
	Hospital, Department of Biomedical
	Engineering,,Beijing,,China Chinese PLA Concred Hospital Department of
	General Hospital, Department of
	Biomedical Engineering,,Beijing,,China
	University of Toronto Faculty of Arts &

T	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
	Science Toronto Canada Chinese PLA
	General Hospital, Department of
	Biomedical Engineering,,Beijing,,China
	Medical Big Data Center, Chinese PLA
	General Hospital, Beijing, China Chinese
	PLA General Hospital, Department of
	Biomedical Engineering,,Beijing,,China
Eggplant-derived SiC aerogels with high-	Microcellular Plastics Manufacturing
performance electromagnetic wave	Laboratory, Department of Mechanical
absorption and thermal insulation	and Industrial Engineering, University of
properties	Toronto, Toronto M5S 3G8, Canada;
r	MIIT Key Laboratory of Critical Materials
	Technology for New Energy Conversion
	and Storage, School of Chemistry and
	Chemical Engineering, Harbin Institute of
	Technology, Harbin 150001, China MIIT
	Key Laboratory of Critical Materials
	Technology for New Energy Conversion
	and Storage, School of Chemistry and
	Chemical Engineering, Harbin Institute of
	Technology, Harbin 150001, China
A New Fuzzy Belonging-based Multi-view	University of Toronto, Department of
K-means Clustering Algorithm	Computer
	Science,Toronto,Canada,M5S1A1
	Nanjing Normal University,College of
	Computer Science and
	Technology,Nanjing,China,210097
	Nanjing University of Aeronautics and
	Astronautics, College of Electronic and
	Information
	Engineering,Nanjing,China,20016
	Nanjing University of Aeronautics and
	Astronautics, College of Electronic and
	Information
	Engineering, Nanjing, China, 20016
Failsafe Mechanism Design for	Institute for Aerospace Study, University
Autonomous Aerial Refueling using State	of Toronto, Toronto, Ontario, M3H 5T6,
Tree Structures	Canada School of Automation Science
	1
	and Electrical Engineering, Beihang
	University, Beijing 100191, P. R. China
	Department of Electrical and Computer
	Engineering, University of Toronto,
	Toronto, Ontario, M5S 3G4, Canada
Static performance of the aerostatic	School of Mechatronic Engineering,
Static performance of the aerostatic journal bearing with grooves	

	Industrial Engineering, University of
	Toronto, Toronto, Canada Department of
	Mechanical and Industrial Engineering,
	University of Toronto, Toronto, Canada
	School of Mechatronic Engineering,
	Harbin Institute of Technology, Harbin,
	China
Effect of hygrothermal environment on	School of Transportation Science and
traction-separation behavior of carbon	Engineering, Beihang University, 37
fiber/epoxy interface	Xueyuan Road, Beijing 100191, China
inder/epoxy internace	School of Civil and Environmental
	Engineering, Harbin Institute of
	Technology, Shenzhen, Shenzhen 518055,
	China Department of Civil and Mineral
	Engineering, University of Toronto,
	Toronto, Ontario M5S 1A4, Canada
	School of Transportation Science and
	Engineering, Beihang University, 37
	Xueyuan Road, Beijing 100191, China
Mixed stabilities for analyzing	Department of Systems Design
opponentsâ€ [™] heterogeneous behavior	Engineering, University of Waterloo,
within the graph model for conflict	Waterloo, Ontario N2L 3G1, Canada;
resolution	College of Economics and Management,
	Nanjing University of Aeronautics and
	Astronautics, Nanjing, Jiangsu 211106,
	China College of Economics and
	Management, Nanjing University of
	Aeronautics and Astronautics, Nanjing,
	Jiangsu 211106, China Centre for
	International Governance Innovation,
	Waterloo, Ontario N2L 6C2, Canada;
	Department of Systems Design
	Engineering, University of Waterloo,
	Waterloo, Ontario N2L 3G1, Canada;
	Balsillie School of International Affairs,
	Waterloo, Ontario N2L 6C2, Canada
	Department of Mechanical and Industrial
	Engineering, Ryerson University, Toronto,
	Ontario M5B 2K3, Canada; Department of
	Systems Design Engineering, University of
	Waterloo, Waterloo, Ontario N2L 3G1,
	Canada
A New Machaniam of Demantic Dhage	
A New Mechanism of Dynamic Phase	School of Materials Sci. & Eng., Tongji
Transformations in An Isothermal Forged	University, Shanghai, 201804, China.
Beta–Gamma Intermetallic Alloy	School of Materials Science and
	Engineering, Tongji University, Shanghai

	201804, China School of Materials Science and Engineering, Harbin Institute of Technology, Weihai 264209, China School of Materials Science and Engineering, Tongji University, Shanghai 201804, China School of Materials Science and Engineering, Tongji University, Shanghai 201804, China; College of Mechatronics and Control Engineering, Shenzhen University, Shenzhen 518060, China Department of Mechanical and Industrial Engineering, Ryerson University, Toronto, ON M5B 2K3, Canada
Investigation on backflow phenomenon in the aerostatic journal bearing	School of Mechatronic Engineering, Harbin Institute of Technology, Harbin, China; Department of Mechanical and Industrial Engineering, University of Toronto, Toronto, Canada School of Mechatronic Engineering, Harbin Institute of Technology, Harbin, China Dept. of Mechanical & Industrial Engineering, University of Toronto, Toronto, Canada#TAB#
Unknown geometrical constraints estimation and trajectory planning for robotic door-opening task with visual teleoperation assists	Harbin Institute of Technology, Heilongjiang, China Harbin Institute of Technology, Heilongjiang, China Harbin Institute of Technology, Heilongjiang, China Harbin Institute of Technology, Heilongjiang, China Ryerson University, Toronto, Canada Harbin Institute of Technology, Heilongjiang, China
Semi-volatile organic compounds in infant homes: Levels, influence factors, partitioning, and implications for human exposure	University Corporation for Polar Research, Beijing, 100875, PR China; International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), International Joint Research Center for Arctic Environment and Ecosystem (IJRC-AEE), State Key Laboratory of Urban Water Resource and Environment, School of Environment, Harbin Institute of Technology, Harbin, 150090, PR China University Corporation for Polar Research, Beijing, 100875, PR China; International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), International Joint Research Center for Arctic

Environment and Facevetor (LIDC AFF)
Environment and Ecosystem (IJRC-AEE),
State Key Laboratory of Urban Water
Resource and Environment, School of
Environment, Harbin Institute of
Technology, Harbin, 150090, PR China
University Corporation for Polar Research,
Beijing, 100875, PR China; International
Joint Research Center for Persistent Toxic
Substances (IJRC-PTS), International
Joint Research Center for Arctic
Environment and Ecosystem (IJRC-AEE),
State Key Laboratory of Urban Water
Resource and Environment, School of
Environment, Harbin Institute of
Technology, Harbin, 150090, PR China
University Corporation for Polar Research,
Beijing, 100875, PR China; International
Joint Research Center for Persistent Toxic
Substances (IJRC-PTS), International
Joint Research Center for Arctic
Environment and Ecosystem (IJRC-AEE),
State Key Laboratory of Urban Water
Resource and Environment, School of
Environment, Harbin Institute of
Technology, Harbin, 150090, PR China
University Corporation for Polar Research,
Beijing, 100875, PR China; International
Joint Research Center for Persistent Toxic
Substances (IJRC-PTS), International
Joint Research Center for Arctic
Environment and Ecosystem (IJRC-AEE),
State Key Laboratory of Urban Water
Resource and Environment, School of
Environment, Harbin Institute of
Technology, Harbin, 150090, PR China;
IJRC-PTS-NA & IJRC-AEE-NA, Toronto,
Ontario, M2N 6X9, Canada International
Joint Research Center for Persistent Toxic
Substances (IJRC-PTS), College of
Agricultural Resource and Environment,
Heilongjiang University, Harbin 150080,
PR China University Corporation for
Polar Research, Beijing, 100875, PR
China; International Joint Research
Center for Persistent Toxic Substances
(IJRC-PTS), International Joint Research

	Center for Arctic Environment and
	Ecosystem (IJRC-AEE), State Key
	Laboratory of Urban Water Resource and
	Environment, School of Environment,
	Harbin Institute of Technology, Harbin,
	150090, PR China University Corporation
	for Polar Research, Beijing, 100875, PR
	China; International Joint Research
	Center for Persistent Toxic Substances
	(IJRC-PTS), International Joint Research
	Center for Arctic Environment and
	Ecosystem (IJRC-AEE), State Key
	Laboratory of Urban Water Resource and
	Environment, School of Environment,
	Harbin Institute of Technology, Harbin,
	150090, PR China University Corporation
	for Polar Research, Beijing, 100875, PR
	China; International Joint Research
	Center for Persistent Toxic Substances
	(IJRC-PTS), International Joint Research
	Center for Arctic Environment and
	Ecosystem (IJRC-AEE), State Key
	Laboratory of Urban Water Resource and
	Environment, School of Environment,
	Harbin Institute of Technology, Harbin,
	150090, PR China; IJRC-PTS-NA & IJRC-
	AEE-NA, Toronto, Ontario, M2N 6X9,
	Canada
Distributed Time-Varying Formation	Systems Control Group, Department of
Control for Multiagent Systems With	Electrical and Computer Engineering,
Directed Topology Using an Adaptive	University of Toronto, Toronto, ON,
Output-Feedback Approach	Canada Beijing Advanced Innovation
	Center for Big Data and Brain Computing,
	Beihang University, Beijing, China School
	of Automation Science and Electrical
	Engineering, Science and Technology on
	Aircraft Control Laboratory, Beihang
	University, Beijing, China School of
	Automation Science and Electrical
	Engineering, Science and Technology on
	Aircraft Control Laboratory, and the
	Beijing Advanced Innovation Center for
	Big Data and Brain Computing, Beihang
	University, Beijing, China
Static recrystallization of pure titanium	School of Materials Science and
after cryo-deformation	Engineering, Tongji University, Shanghai,

	China; School of Materials Engineering, Jiangsu University of Technology, Changzhou, China School of Materials Science and Engineering, Harbin Institute of Technology at Weihai, Weihai, 264209, China. School of Materials Science and Engineering, TongJi University, Shanghai, China School of Materials Science and Engineering, TongJi University, Shanghai,
	China School of Materials Science and Engineering, TongJi University, Shanghai, China Department of Mechanical and Industrial Engineering, Ryerson University, Toronto, Ontario M5B 2K3 Canada
Three-Dimensional High-Fidelity Dynamic Modeling of Tether Transportation System with Multiple Climbers	York University, Toronto (Ontario) M3J 1P3, Canada Northwestern Polytechnical University, 710072 Xi â€ TM an, People â€ TM s Republic of China York University, Toronto (Ontario) M3J 1P3, Canada
Optimal condition-based and age-based opportunistic maintenance policy for a two-unit series system	Department of Mechanical and Industrial Engineering, University of Toronto, 5 King's College Road, Toronto, ON M5S 3G8, Canada; School of Management and Economics, Beijing Institute of Technology, Beijing 100081, PR China Department of Mechanical and Industrial Engineering, University of Toronto, 5 King's College Road, Toronto, ON M5S 3G8, Canada School of Management and Economics, Beijing Institute of Technology, Beijing 100081, PR China
Iterative learning control of a flexible manipulator considering uncertain parameters and unknown repetitive disturbance	York University, 4700 Keele Street, Toronto, M3J 1P3, Canada. School of Automation, Beijing Institute of Technology, 5 South Zhongguancun Street, Beijing, 100081, China York University, 4700 Keele Street, Toronto, M3J 1P3, Canada.
Group maintenance scheduling for two- component systems with failure interaction	School of Reliability and Systems Engineering, Beihang University, Beijing, China; Department of Mechanical and Industrial Engineering, University of Toronto, Toronto, Ontario, Canada School of Reliability and Systems Engineering, Beihang University, Beijing,

	China School of Reliability and Systems
	Engineering, Beihang University, Beijing,
	China
Porous C/Ni composites derived from fluid	Electrochemical NanoEnergy Group,
coke for ultra-wide bandwidth	School of Chemical Engineering and Light
electromagnetic wave absorption	Industry, Guangdong University of
performance	Technology, Guangzhou, China;
•	Department of Chemical Engineering &
	Applied Chemistry, University of Toronto,
	200 College Street, Toronto, Ontario M5S
	3E5, Canada; School of Chemistry and
	Chemical Engineering, Harbin Institute of
	Technology, 92 Dazhi Street, Harbin
	150001, China Electrochemical
	•
	NanoEnergy Group, School of Chemical
	Engineering and Light Industry,
	Guangdong University of Technology,
	Guangzhou, China Electrochemical
	NanoEnergy Group, School of Chemical
	Engineering and Light Industry,
	Guangdong University of Technology,
	Guangzhou, China Department of
	Chemical Engineering and Applied
	Chemistry, University of Toronto, 200
	College Street, Toronto, Ontario,
	M5S 3E5, Canada School of
	Chemistry and Chemical Engineering,
	Harbin Institute of Technology, 92 Dazhi
	Street, Harbin 150001, China
Guest Editorial Neuro-Robotics Systems:	Department of automation, University of
Sensing, Cognition, Learning, and Control	Science and Technology of China, Hefei,
Sensing, Cognition, Learning, and Control	China [Dept. of Advanced Robotics,
	Istituto Italiano di Tecnologia, Genoa,
	Italy] [Dept. of Advanced Robotics,
	Istituto Italiano di Tecnologia, Genoa,
	Italy] Mechanical and Industrial
	Engineering, University of Toronto,
	Toronto, Canada School of Mechatronics,
	Beijing Institute of Technology, Beijing
	CHINA
Facile Microembossing Process for	Department of Electrical Engineering and
Microchannel Fabrication for	Electronics, University of Liverpool,
Nanocellulose-Paper-Based Microfluidics	LiverpoolL69 7ZX, U.K. School of
······································	Advanced Technology, Xiâ€ [™] an Jiaotong -
	Liverpool University, Suzhou215123,
	China School of Advanced Technology,
	China School of Auvalietu Technology,

	Xi'an Jiaotong - Liverpool University,
	Suzhou215123, China Department of
	Electrical Engineering and Electronics,
	University of Liverpool, LiverpoolL69
	7ZX, U.K.; School of Intelligent
	Manufacturing and Transportation,
	Suzhou City University, Suzhou215000,
	China Department of Electrical
	Engineering and Electronics, University of
	Liverpool, LiverpoolL69 7ZX, U.K.
	Department of Electrical Engineering and
	Electronics, University of Liverpool,
	LiverpoolL69 7ZX, U.K. Department of
	Electrical Engineering and Electronics,
	University of Liverpool, LiverpoolL69
	7ZX, U.K. School of Science, Harbin
	Institute of Technology - Shenzhen,
	Shenzhen518055, China School of Nano-
	Tech and Nano-Bionics, University of
	Science and Technology of China,
	Hefei230026, China Department of
	Electrical Engineering and Electronics,
	8 8
	University of Liverpool, LiverpoolL69
	7ZX, U.K. Department of Electrical
	Engineering and Electronics, University of
	Liverpool, LiverpoolL69 7ZX, U.K.
	Department of Mechanical and Industrial
	Engineering, University of Toronto,
	Toronto, OntarioM5S 2E8, Canada
	Department of Electrical Engineering and
	Electronics, University of Liverpool,
	LiverpoolL69 7ZX, U.K.
Simulation as Experimentation	University of Ottawa, Ottawa, Canada
	The RAND Corporation and the Pardee
	RAND Graduate School
	, Santa Monica, USA Autodesk Research,
	Toronto, Canada Trax.Co, Toronto,
	Canada University of Corsica, Corte,
	France Aix-Marseille University (LSIS),
	Marseille, France University of Exeter
	Business School, Exeter, UK University of
	Exeter Medical School, Exeter, UK Midea
	Cloud Tech Co., Ltd, Jilin, China Beihang
	University, Beijing, China CASICloud-
	Tech Co., Ltd., Haidian, China
	i con coo, iztuo, italuialli, cililla

Look automaion and Look activity I	Institute for Advanced Students
Loeb extension and Loeb equivalence II	Institute for Advanced Study in
	Mathematics Harbin Institute of
	Technology Harbin, Heilongjiang 150001,
	China University of Toronto Toronto,
	Ontario, Canada M5S 2E4 and Institute
	for Advanced Study in Mathematics
	Harbin Institute of Technology Harbin,
	Heilongjiang 150001, China University of
	Toronto Toronto, Ontario, Canada M5S
	2E4
Design and Robustness Analysis of a Wave-	School of Aerospace Engineering, Beijing
Based Controller for Tethered Towing of	Institute of
Defunct Satellites	Technology,Beijing,China,100081 School
	of Aerospace Engineering, Beijing Institute
	of Technology, Beijing, China, 100081
	Ryerson University, Department of
	Aerospace
	-
Multi UAV Coor anotice Hunting Using	Engineering, Toronto, Canada, M5B 2K3
Multi-UAV Cooperative Hunting Using PSO in 3D Cluttered Environment	University of Toronto Institute for
PSO in 5D Cluttered Environment	Aerospace Studies, Toronto, Canada
	Harbin Engineering University, Harbin,
	China University of Toronto Institute for
	Aerospace Studies, Toronto, Canada
	School of Electrical and Electronic
	Engineering, The University of Adelaide,
	Australia, and College of Engineering and
	Science, Victoria University, Footscray,
	Australia University of Toronto Institute
	for Aerospace Studies, Toronto, Canada
Sensorless Force Estimation of a Lever-	Zhengzhou Tobacco Research Institute,
Based Variable Stiffness Actuator Using a	Zhengzhou, China School of Mechanical
Current-Deflection Fusion Method	Engineering and Automation, Harbin
	Institute of Technology, Shenzhen, China
	Department of Aerospace Engineering,
	Ryerson University, Toronto, Canada
	School of Mechanical Engineering and
	Automation, Harbin Institute of
	Technology, Shenzhen, China School of
	Mechanical Engineering and Automation,
	Harbin Institute of Technology, Shenzhen,
	China
Forecasting crude oil market volatility	School of Economics and Management,
using variable selection and common factor	Nanjing University of Science and
	Technology, Nanjing, China Department
	of Mechanical and Industrial Engineering,
	Ryerson University, Toronto, Canada

	School of Economics and Management, Nanjing University of Science and Technology, Nanjing, China
Active shape control for flexible space structures using an optimal gyricity distribution	Beijing Institute of Technology, School of Automation, No. 5, South Street, Zhongguancun, Haidian District, Beijing 100081, China; Harbin Institute of Technology, Research Center of Satellite Technology, Yikuang Street #2, Harbin 150080, China; University of Toronto Institute for Aerospace Studies, 4925 Dufferin Street, Toronto, Ontario M3H 5T6, Canada University of Toronto Institute for Aerospace Studies, 4925 Dufferin Street, Toronto, Ontario M3H
A physical model of a supercapacitor to reveal the mechanism of the voltage recovery phenomenon	5T6, Canada Key Laboratory of Multifunctional Nanomaterials and Smart Systems, Advanced Materials Division, Suzhou Institute of Nano-Tech and Nano-Bionics, Chinese Academy of Sciences, Suzhou, 215123, China; College of Materials Science and Technology, Nanjing University of Aeronautics and Astronautics, Nanjing, 211106, China; Department of Chemical Engineering & Applied Chemistry, University of Toronto, Toronto, ON M5S 3E5, Canada
Symmetric and asymmetric dynamics of a	Department of Chemical Engineering & Applied Chemistry, University of Toronto, Toronto, ON M5S 3E5, Canada Department of Chemical Engineering & Applied Chemistry, University of Toronto, Toronto, ON M5S 3E5, Canada State Key Laboratory of Mechanics and
tethered satellite in nontypical planes	Control of Mechanical Structures, Nanjing University of Aeronautics and Astronautics, Nanjing, 210016, China Department of Mechanical Engineering, York University, Toronto, Ontario, Canada, M3J 1P3
Multi-domain Resource Multiplexing Based Secure Transmission for Satellite- Assisted IoT: AO-SCA Approach	State Key Lab. of ISN and School of Cyber Engineering, Xidian University, Xi'an, China State Key Lab. of ISN and School of Telecommunications Engineering, Xidian University,

Loint In Orbit Computation and	Xi'an, China State Key Lab. of ISN and School of Telecommunications Engineering, Xidian University, Xi'an, China College of Electronic Information Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing, China Department of Electrical, Computer and Biomedical Engineering, Toronto Metropolitan University, Toronto, ON, Canada Department of Electrical Engineering, College of Engineering, Qassim University, Qassim, Saudi Arabia Department of Electrical Engineering, College of Engineering, Qassim University, Qassim, Saudi Arabia
Joint In-Orbit Computation and Communication for Minimizing Download Time from LEO Satellites	Beijing Institute of Technology, Beijing, China Beijing Institute of Technology, Beijing, China School of Information Technology, Carleton University, Ottawa, ON, Canada Beijing Institute of Technology, Beijing, China Department of Electrical, Computer, and Biomedical Engineering, Toronto Metropolitan University (formerly Ryerson University), Toronto, ON, Canada
Charging demand prediction in Beijing based on real-world electric vehicle data	Beijing Co-innovation Center for Electric Vehicles, Beijing 100081, China; National Engineering Research Center of Electric Vehicles, Beijing Institute of Technology, Beijing 100081, China; Department of Civil & Mineral Engineering, University of Toronto, Toronto M5S 1A4, Canada Beijing Co-innovation Center for Electric Vehicles, Beijing 100081, China; Chongqing Innovation Center, Beijing Institute of Technology, Chongqing 401120, China Department of Civil & Mineral Engineering, University of Toronto, Toronto M5S 1A4, Canada Beijing Co-innovation Center for Electric Vehicles, Beijing 100081, China; Chongqing Innovation Center for Electric Vehicles, Beijing 100081, China; Chongqing Innovation Center, Beijing Institute of Technology, Chongqing 401120, China Beijing Co-innovation Center for Electric Vehicles, Beijing 100081, China;

	100081, China; Chongqing Innovation
	Center, Beijing Institute of Technology,
	Chongqing 401120, China Beijing Co-
	innovation Center for Electric Vehicles,
	Beijing 100081, China; National
	Engineering Research Center of Electric
	Vehicles, Beijing Institute of Technology,
	Beijing 100081, China
All-in-One digital microfluidics pipeline for	Department of Chemistry, University of
proteomic sample preparation and analysis	Toronto, 80 St. George Street, Toronto,
procedure sample preparation and analysis	ON, M5S 3H6, Canada Department of
	Chemistry, University of Toronto, 80 St.
	George Street, Toronto, ON, M5S 3H6,
	Canada School of Mechatronical
	Engineering, Beijing Institute of
	Technology, Beijing, 100081, China;
	Department of Chemistry, University of
	Toronto, 80 St. George Street, Toronto,
	ON, M5S 3H6, Canada Department of
	Chemistry, University of Toronto, 80 St.
	George Street, Toronto, ON, M5S 3H6,
	Canada Department of Chemistry,
	University of Toronto, 80 St. George Street,
	Toronto, ON, M5S 3H6, Canada
	Department of Chemistry, University of
	Toronto, 80 St. George Street, Toronto,
	ON, M5S 3H6, Canada Department of
	Chemistry, University of Toronto, 80 St.
	George Street, Toronto, ON, M5S 3H6,
	Canada Department of Chemistry,
	University of Toronto, 80 St. George Street,
	Toronto, ON, M5S 3H6, Canada Donnelly
	Centre for Cellular and Biomolecular
	Research, University of Toronto, 160
	College Street, Toronto, ON, M5S 3E1,
	Canada Department of Chemistry,
	University of Toronto, 80 St. George Street,
	Toronto, ON, M5S 3H6, Canada;
	Saskatchewan Cancer Agency, University
	of Saskatchewan, 107 Wiggins Road,
	Saskatoon, SK S7N 5E5, Canada
	Lunenfeld-Tanenbaum Research Institute,
	Mount Sinai Hospital, 600 University
	Avenue, Toronto, ON, M5G 1X5, Canada;
	Clinical Research Center for Reproduction
	and Genetics in Hunan Province,
	who overves in Human 1107meter

	Reproductive and Genetic Hospital of CITIC-XIANGYA, Changsha, Hunan, 410000, China Department of Chemistry, University of Toronto, 80 St. George Street, Toronto, ON, M5S 3H6, Canada Department of Chemistry, University of Toronto, 80 St. George Street, Toronto,
A review on microrobots driven by optical and magnetic fields	ON, M5S 3H6, CanadaSchool of Mechatronical Engineering, Beijing Institute of Technology, Beijing, 100081, China School of Mechatronical Engineering, Beijing Institute of Technology, Beijing, 100081, China School of Medical Technology, Beijing Institute of Technology, Beijing 100081, China Arthur and Sonia Labatt Brain Tumour Research Centre, The Hospital for Sick Children, Toronto, ONT, M5G 1X8, Canada Shenzhen Institute of Artificial Intelligence and Robotics for Society (AIRS), Shenzhen 518129, China; School of Science and Engineering, The Chinese University of Hong Kong, Shenzhen 518172, China School of Mechatronical Engineering, Beijing Institute of Technology, Beijing, 100081, China School of Mechatronical Engineering, Beijing Institute of Technology, Beijing, 100081, China Department of Mechanical and Industrial Engineering, University of
What do we know about the production and release of persistent organic pollutants in the global environment?	School of Public Health, University of Nevada, Reno, 1664 N. Virginia Street, Reno, Nevada 89557-0274, USA College of Environmental Sciences and Engineering, Peking University, Beijing 100871, China School of Public Health, University of Nevada, Reno, 1664 N. Virginia Street, Reno, Nevada 89557-0274, USA Department of Chemistry, University of Oslo, P. O. Box 1033, Oslo NO-0315, Norway; NILU-Norwegian Institute for Air

A Closed-Loop Shared Control Framework for Legged Robots	Research, P. O. Box 100, Kjeller NO-2027, Norway NILU-Norwegian Institute for Air Research, P. O. Box 100, Kjeller NO- 2027, Norway International Joint Research Center for Persistent Toxic Substances (IJRC-PTS), State Key Laboratory of Urban Water Resource and Environment, School of Environment, Harbin Institute of Technology, Harbin 150090, China; IJRC-PTS-NA, Toronto, Ontario M2N 6X9, Canada State Key Laboratory of Robotics and Systems, Harbin Institute of Technology, Harbin, China State Key Laboratory of Robotics and Systems, Harbin Institute of Technology, Harbin, China; Huawei, Shenzhen, China State Key Laboratory of Robotics and Systems, Harbin Institute of
	Robotics and Systems, Harbin Institute of Technology, Harbin, China State Key Laboratory of Robotics and Systems, Harbin Institute of Technology, Harbin, China Department of Electrical Engineering and Automation, Aalto University, Espoo, Finland State Key Laboratory of Robotics and Systems, Harbin Institute of Technology, Harbin, China Department of Aerospace Engineering, Toronto Metropolitan University, Toronto, ON, Canada School of Computing, University of Leeds, Leeds, U.K.
Effect of Varying Functionally Graded Indices and Thickness of Tgo on Stress and Cracks Competitive Growth in Functionally Graded Thermal Barrier Coatings	Zhengzhou University of Light Industry Zhengzhou University of Light Industry University of Toronto Harbin Institute of Technology Zhengzhou University of Light Industry Zhengzhou University of Light Industry Zhengzhou University of Light Industry
FDGNN: Feature-Aware Disentangled Graph Neural Network for Recommendation	Department of Cyber Science and Engineering, Nanjing University of Science and Technology, Nanjing, China Department of Computer Science and Engineering, Nanjing University of Science and Technology, Nanjing, China Department of Computer Science and Engineering, Nanjing University of Science

	and Technology, Nanjing, China
	Department of Computer Engineering,
	University of Toronto, Toronto, Canada
	School of Software and Electrical
	Engineering, Swinburne University of
	Technology, Melbourne, VIC, Australia
	Department of Computer Science and
	Engineering, Indian Institute of
	Technology (Indian School of Mines),
	Dhanbad, India College of Computer
	Science and Technology, China University
	of Petroleum (East China), Dongying,
	China
Refine-Net: Normal Refinement Neural	
	Computer Science and Technology,
Network for Noisy Point Clouds	Nanjing University, 12581 Nanjing,
	Jiangsu, China, (e-mail:
	hrzhou98@gmail.com) College of Mashaniaal and Elastnical Engineering
	Mechanical and Electrical Engineering,
	Nanjing University of Aeronautics and
	Astronautics, 47854 Nanjing, JiangSu,
	China, 210016 (e-mail:
	chenhonghuacn@gmail.com) Institute of
	Advanced Integration Technology,
	Shenzhen Institutes of Advanced
	Technology Chinese Academy of Sciences,
	85411 Shenzhen, Guangdong, China, (e-
	mail: yingkui.zhang@foxmail.com)
	Instrument Science and Opto-electronic
	Engineering, Hefei University of
	Technology, 12513 Hefei, Anhui, China,
	230009 (e-mail:
	mingqiang.wei@gmail.com) Department
	of Mathematics and Information
	Technology, The Education University of
	Hong Kong, Hong Kong, Hong Kong,
	Hong Kong, (e-mail: hrxie2@gmail.com)
	College of Electronic and Information
	Engineering, Nanjing University of
	Aeronautics and Astronautics, Nanjing,
	Jiangsu, China, (e-mail:
	davis.wjun@gmail.com) National Key
	Lab for Novel Software Technology,
	Nanjing University, Nanjing University,
	Nanjing, Jiangsu, China, 210023 (e-mail:
	lutong@nju.edu.cn) Nursing, Hong Kong
	Polytechnic University, 26680 Kowloon,

	Hong Kong Hong Kong (a maile
	Hong Kong, Hong Kong, (e-mail:
	harry.qin@polyu.edu.hk) Electrical and
	computer engineering, Ryerson university,
	Toronto, Ontario, Canada, M5B 2K3 (e-
	mail: xzhang@ee.ryerson.ca)
A Unified Joint Optimization of Training	School of Information and Electronics,
Sequences and Transceivers Based on	Beijing Institute of Technology, Beijing,
Matrix-Monotonic Optimization	China School of Information and
	Electronics, Beijing Institute of
	Technology, Beijing, China School of
	Cyberspace Science and Technology,
	Beijing Institute of technology, Beijing,
	China School of Information and
	Electronics, Beijing Institute of
	Technology, Beijing, China Department
	of Electrical, Computer and Biomedical
	Engineering, Ryerson University, Toronto,
	ON, Canada Department of Electronics
	and Computer Science, University of
	Southampton, Southampton, UK
Effective Online Portfolio Selection for the	School of Cyberspace Science and
Long-Short Market Using Mirror Gradient	Technology, Beijing Institute of
Descent	Technology, Beijing, China School of
	Cyberspace Science and Technology,
	Beijing Institute of Technology, Beijing,
	China School of Information and
	Electronics, Beijing Institute of
	Technology, Beijing, China School of
	Cyberspace Science and Technology,
	Beijing Institute of Technology, Beijing,
	China Tsinghua Berkeley Shenzhen
	Institute, Shenzhen, China and the
	Department of Electrical, Computer
	& amp; Biomedical Engineering, Toronto
	Metropolitan University, Canada
Unsupervised Fault Detection With Deep	Department of Mechanical and Industrial
One-Class Classification and Manifold	Engineering, University of Toronto,
Distribution Alignment	Toronto, ON, Canada; School of
	Mechanical Engineering, Southeast
	University, Nanjing, China School of Mochanical Engineering, Southeast
	Mechanical Engineering, Southeast
	University, Nanjing, China School of Mashaniaal Engineering, Southeast
	Mechanical Engineering, Southeast
	University, Nanjing, China School of
	Mechatronics Engineering, Nanjing
	Forestry University, Nanjing, China

Distributed Attitude Consensus of Multiple Flexible Spacecraft	School of Mechanical Engineering, Nanjing University of Science and Technology, Nanjing, China Department of Mechanical and Industrial Engineering, University of Toronto, Toronto, ON, Canada State Key Laboratory of Mechanics and Control of Mechanical Structures, Nanjing
	University of Aeronautics and Astronautics, Nanjing, China York University, Toronto, Canada State Key Laboratory of Mechanics and Control of Mechanical Structures, Nanjing University of Aeronautics and Astronautics, Nanjing, China
Random Caching Design for Multi-User Multi-Antenna HetNets with Interference Nulling	School of Electronic and Information Engineering, Harbin Institute of Technology, Harbin, China School of Electronic and Information Engineering, Harbin Institute of Technology, Harbin, China Department of Electrical and Computer Engineering, University of Toronto, Toronto, ON, Canada
Mobile Charging Services for the Internet of Electric Vehicles: Concepts, Scenarios, and Challenges	College of Computer Science and Technology, Nanjing University of Aeronautics and Astronautics, Nanjing, China College of Computer Science and Technology, Nanjing University of Aeronautics and Astronautics, Nanjing, China College of Computer Science and Technology, Nanjing University of Aeronautics and Astronautics, Nanjing, China College of Computer Science and Technology, Nanjing University of Aeronautics and Astronautics, Nanjing, China College of Computer Science and Technology, Nanjing University of Aeronautics and Astronautics, Nanjing, China Department of Electrical Engineering and Computer Science, York University, Toronto, Canada School of Computer Science and Engineering, Nanyang Technological University, Singapore
Constrained control for systems on matrix Lie groups with uncertainties	The Edward S. Rogers Sr. Department of Electrical and Computer Engineering, University of Toronto, Toronto, ON, M5S 3G4 Canada; School of Mechatronical Engineering, Beijing Institute of

	Technology, Beijing, China School of Mechatronical Engineering, Beijing Institute of Technology, Beijing, China School of Mechatronical Engineering, Beijing Institute of Technology, Beijing, China School of Electrical Engineering, Korea Advanced Institute of Science and Technology, Daejeon, Korea
Dynamic Mode II Fracture Toughness of Rocks Subjected to Various In Situ Stress Conditions	Tianjin University; Beijing Institute of Technology State Key Laboratory of Hydraulic Engineering Simulation and Safety, School of Civil Engineering, Tianjin University, Tianjin, China State Key Laboratory of Hydraulic Engineering Simulation and Safety, School of Civil Engineering, Tianjin University, Tianjin, China State Key Laboratory of Hydraulic Engineering Simulation and Safety, School of Civil Engineering, Tianjin University, Tianjin, China State Key Laboratory of Hydraulic Engineering Simulation and Safety, School of Civil Engineering, Tianjin University, Tianjin, China; Department of Civil and Mineral Engineering, University of Toronto, Toronto, Canada
Recent Advances in Cognitive Informatics and Cognitive Computing towards Autonomous Systems (Plenary Panel Report-II of IEEE ICCI*CC'22)	Dept of ECE, Univ. of Manitoba, Winnipeg, Canada Bogazici University, Bebek, Istanbul, Turkey Nipissing University, ON, Canada DRDC, Toronto, Canada Dept. of Computer Science, Purdue Univ., USA CPSC Department, University of Calgary Chongqing Univ. of Posts and Telecommunications, China Dept. of Computing, Hong Kong Polytechnic Univ., Hong Kong School of AI, Chongqing Univ. of Science and Technology, Chongqing, China Univ. of Regina, Canada Faculty of Computer and Information Sciences, Hosei University, Tokyo, Japan School of Computer Science and Engineer, Beihang University, Beijing, China
Microscopic revelation of the solid–gas coupling and Knudsen effect on the thermal conductivity of silica aerogel with inter-connected pores	College of Vehicle and Traffic Engineering, Henan University of Science and Technology, Luoyang, China; Department of Mechanical and Industrial Engineering,

	University of Toronto, Toronto, Canada
	Department of Mechanical and Industrial
	Engineering, University of Toronto,
	Toronto, Canada Department of
	Mechanical Engineering, McMaster
	University, Hamilton, Canada School of
	Energy Science and Engineering, Harbin
	Institute of Technology, Harbin, China
	Department of Mechanical and Industrial
	Engineering, University of Toronto,
	Toronto, Canada
Attitude Control and Stability Analysis of	Earth and Space Science and Engineering,
Electric Sail	York University, 7991 Toronto, Ontario,
	Canada Mechanical Engineering, York
	University, 7991 Toronto, Ontario,
	Canada, M3J 1P3 College of Aerospace
	Engineering, Nanjing University of
	Aeronautics and Astronautics, 47854
	Nanjing, China, 210016
Existence of matching priors on compact	Harbin Institute of Technology Institute of
spaces	Advanced Study in Mathematics, , Harbin,
	Heilongjiang 150001, China University of
	Toronto Department of Statistical Sciences,
	, 100 St. George Street, Toronto, Ontario
	M5G 1Z5, Canada Department of
	Mathematics and Statistics, University of
	Ottawa
Tongue Segmentation and Color	School of Computer Science, Beijing
Classification Using Deep Convolutional	Institute of Technology, Beijing 100081,
Neural Networks	China School of Computer Science,
	Beijing Institute of Technology, Beijing
	100081, China School of Information
	Technology, York University, Toronto, ON
	M3J 1P3, Canada School of Computer
	Science, Beijing Institute of Technology,
	Beijing 100081, China School of
	Computer Science, Beijing Institute of
	Technology, Beijing 100081, China
Self-Supervised learning for	University of Chinese Academy of Sciences,
Conversational Recommendation	Beijing 100049, China; Key Lab of
	Intelligent Information Processing,
	Institute of Computing Technology,
	Chinese Academy of Sciences, Beijing
	100190, China WeChat Search
	Application Department, Tencent, China
	University of Chinese Academy of Sciences,

	Beijing 100049, China; Key Lab of
	Intelligent Information Processing,
	Institute of Computing Technology,
	Chinese Academy of Sciences, Beijing
	100190, China Institute of Artificial
	Intelligence, Beihang University, Beijing
	100191, China University of Toronto,
	Canada Gaoling School of Artificial
	Intelligence, Renmin University, Beijing,
	China; Beijing Key Laboratory of Big Data
	Management and Analysis Methods
	Beijing Academy of Artificial Intelligence,
	China University of Chinese Academy of
	Sciences, Beijing 100049, China; Key Lab
	of Intelligent Information Processing,
	Institute of Computing Technology,
	Chinese Academy of Sciences, Beijing
	100190, China
Discovering Structural Ennous Exam	School of Computer Science and
Discovering Structural Errors From	۲ I
Business Process Event Logs	Engineering, Nanjing University of Science
	and Technology, Nanjing, Jiangsu China
	210094 (e-mail: wsong@njust.edu.cn)]
	[School of Computer Science and
	Engineering, Nanjing University of Science
	and Technology, Nanjing, Jiangsu, China,
	(e-mail: xishanyongye@126.com)]
	Middleware Systems Research Group,
	University of Toronto, Toronto, ON,
	Canada [Computer Science, Hohai
	University, Nanjing, Jiangsu, China, (e-
	mail: pchzhang@hhu.edu.cn)]
Thermodynamic analysis on wetting state	College of Aerospace and Civil
transitions of rough surfaces with 3D	Engineering, Harbin Engineering
irregular microstructure	University, Harbin 150001, China;
	Department of Materials Science and
	Engineering, University of Toronto,
	Toronto, Ontario M5S 3E4, Canada
	Department of Materials Science and
	Engineering, University of Toronto,
	Toronto, Ontario M5S 3E4, Canada
	Department of Materials Science and
	Engineering, University of Toronto,
	Toronto, Ontario M5S 3E4, Canada
	College of Aerospace and Civil
	Engineering, Harbin Engineering
	University, Harbin 150001, China
	·····, ······, ·······, ······

Cycle-SNSPGAN: Towards Real-World	School of Computer Science and
Image Dehazing via Cycle Spectral	Technology, Nanjing University of
Normalized Soft Likelihood Estimation	Aeronautics and Astronautics, Nanjing,
Patch GAN	China School of Computer Science and
	Technology, Nanjing University of
	Aeronautics and Astronautics, Nanjing,
	China School of Computer Science and
	Technology, Nanjing University of
	Aeronautics and Astronautics, Nanjing,
	China Shenzhen Research Institute,
	Nanjing University of Aeronautics and
	Astronautics, Shenzhen, China Fujian
	Key Laboratory of Sensing and Computing
	for Smart Cities, School of Informatics,
	Xiamen University, Xiamen, China
	Department of Electrical, Computer and
	Biomedical Engineering, Ryerson
	University, Toronto, ON, Canada
	Department of Geography and
	Environmental Management and the
	Department of Systems Design
	Engineering, University of Waterloo,
Tania ani ana tana tany and ina ani a tha	Waterloo, ON, Canada
Tuning microstructure and improving the	National Key Laboratory for Precision Hot
corrosion resistance of a Ti-6Al-3Nb-2Zr-	Processing of Metals, School of Materials
1Mo alloy via solution and aging treatments	Science and Engineering, Harbin Institute
treatments	of Technology, Harbin 150001, China;
	Department of Materials Science and Engineering, University of Toronto,
	Toronto, ON M5S 3E4, Canada National
	Key Laboratory for Precision Hot
	Processing of Metals, School of Materials
	Science and Engineering, Harbin Institute
	of Technology, Harbin 150001, China
	HIT-Chungu Joint Research Center for
	Additive Manufacturing Materials, Anhui
	Chungu 3D Printing Institute of Intelligent
	Equipment and Industrial Technology,
	Wuhu 241200, China; National Key
	Laboratory for Precision Hot Processing of
	Metals, School of Materials Science and
	Engineering, Harbin Institute of
	Technology, Harbin 150001, China
	National Key Laboratory for Precision Hot
	Processing of Metals, School of Materials
	Science and Engineering, Harbin Institute

	of Technology, Harbin 150001, China
	Laboratory for Space Environment and
	Physical Science, Harbin Institute of
	Technology, Harbin 150001, China
	National Key Laboratory for Precision Hot
	Processing of Metals, School of Materials
	Science and Engineering, Harbin Institute
	of Technology, Harbin 150001, China
	AVIC Manufacturing Technology
	Institute, Beijing 100024, China Yunnan
	Titanium Industry Co., Ltd., Chuxiong
	•
	651209, China; School of Materials Science
	and Engineering, Kunming University of
	Science and Technology, Kunming 650093,
	China National Key Laboratory for
	Precision Hot Processing of Metals, School
	of Materials Science and Engineering,
	Harbin Institute of Technology, Harbin
	150001, China National Key Laboratory
	for Precision Hot Processing of Metals,
	School of Materials Science and
	Engineering, Harbin Institute of
	Technology, Harbin 150001, China
	Department of Materials Science and
	Engineering, University of Toronto,
	Toronto, ON M5S 3E4, Canada
Accumulations and equilibrium conditions	International Joint Research Center for
of organophosphate esters (OPEs) in the	Arctic Environment and Ecosystem (IJRC-
indoor window film and the estimation of	AEE), State Key Laboratory of Urban
concentrations in air	Water Resource and Environment, Harbin
	Institute of Technology, Harbin 150090,
	China; University Corporation for Polar
	Research, Beijing 100875, China
	International Joint Research Center for
	Arctic Environment and Ecosystem (IJRC-
	AEE), State Key Laboratory of Urban
	Water Resource and Environment, Harbin
	Institute of Technology, Harbin 150090,
	China; University Corporation for Polar
	Research, Beijing 100875, China Air
	Quality Processes Research Section,
	Environment and Climate Change Canada,
	4905 Dufferin Street, Toronto, Ontario
	M3H 5T4, Canada International Joint
	Research Center for Arctic Environment
	and Ecosystem (IJRC-AEE), State Key

	Laboratowy of Urban Water Deserves
	Laboratory of Urban Water Resource and
	Environment, Harbin Institute of
	Technology, Harbin 150090, China;
	University Corporation for Polar Research,
	Beijing 100875, China International Joint
	Research Center for Arctic Environment
	and Ecosystem (IJRC-AEE), State Key
	Laboratory of Urban Water Resource and
	Environment, Harbin Institute of
	Technology, Harbin 150090, China;
	University Corporation for Polar Research,
	Beijing 100875, China International Joint
	Research Center for Arctic Environment
	and Ecosystem (IJRC-AEE), State Key
	Laboratory of Urban Water Resource and
	Environment, Harbin Institute of
	Technology, Harbin 150090, China;
	University Corporation for Polar Research,
	Beijing 100875, China International Joint
	Research Center for Arctic Environment
	and Ecosystem (IJRC-AEE), State Key
	Laboratory of Urban Water Resource and
	Environment, Harbin Institute of
	Technology, Harbin 150090, China;
	University Corporation for Polar Research,
	Beijing 100875, China College of the
	Environment and Ecology, Xiamen
	University, Xiamen, China; Air Quality
	Processes Research Section, Environment
	and Climate Change Canada, 4905
	Dufferin Street, Toronto, Ontario M3H
	5T4, Canada
Design and Implementation of a Fully-	The Edward S. Rogers Sr. Department of
Actuated Integrated Aerial Platform Based	Electrical and Computer Engineering,
on Geometric Model Predictive Control	University of Toronto, Toronto, ON M58
	3G4, Canada; School of Mechatronical
	Engineering, Beijing Institute of
	Technology, Beijing 100081, China School
	of Mechatronical Engineering, Beijing
	Institute of Technology, Beijing 100081,
	China
Federated Deep Recommendation System	Nanjing University of Science and
Based on Multi-View Feature Embedding	Technology, Department of Computer
	Science and Engineering, Nanjing, China
	State Key Laboratory for Novel Software
	Technology, Nanjing University, Nanjing,
L	roomotogy, ranjing Onrocisity, ranjing,

	China; Department of Computer Science
	and Engineering, Nanjing University of
	Science and Technology, Nanjing, China
	University of Auckland, Business
	School, Auckland, New Zealand University
	of Toronto,Computer
	Engineering, Toronto, Canada Nanjing
	University of Science and
	Technology, Department of Computer
	Science and Engineering, Nanjing, China
	Nanjing University of Science and
	Technology,Department of Computer
Enhanged tangile dustility of an additively	Science and Engineering, Nanjing, China
Enhanced tensile ductility of an additively	Department of Materials Science and
manufactured near- $\hat{I}\pm$ titanium alloy by	Engineering, University of Toronto,
microscale shear banding	Toronto, ON M5S 3E4, Canada Research
	Institute for Frontier Science, Beihang
	University, 37 Xueyuan Road, Beijing,
	China Department of Mechanical and
	Industrial Engineering, Toronto
	Metropolitan University (formerly Ryerson
	University), 350 Victoria Street, Toronto,
	Ontario M5B 2K3, Canada Department
	of Mechanical and Industrial Engineering,
	University of Toronto, Toronto, ON M5S
	3E4, Canada Research Institute for
	Frontier Science, Beihang University, 37
	Xueyuan Road, Beijing, China
	Department of Materials Science and
	Engineering, University of Toronto,
	Toronto, ON M5S 3E4, Canada
High-Fidelity Dynamic Modeling and	State Key Laboratory of Robotics and
Simulation of Planetary Rovers Using	System, Harbin Institute of Technology,
Single-Input-Multi-Output Joints With	Harbin, China State Key Laboratory of
Terrain Property Mapping	
Terrain Troperty Mapping	Robotics and System, Harbin Institute of
	Technology, Harbin, China State Key
	Laboratory of Robotics and System,
	Harbin Institute of Technology, Harbin,
	China State Key Laboratory of Robotics
	and System, Harbin Institute of
	Technology, Harbin, China State Key
	Laboratory of Robotics and System,
	Harbin Institute of Technology, Harbin,
	China Department of Aerospace
	Engineering, Ryerson University, Toronto,
	ON, Canada State Key Laboratory of

	Robotics and System, Harbin Institute of Technology, Harbin, China School of Automotive Engineering, Harbin Institute of Technology (Weihai), Weihai, China State Key Laboratory of Robotics and System, Harbin Institute of Technology, Harbin, China
A Data-Driven Packet Routing Algorithm for an Unmanned Aerial Vehicle Swarm: A Multi-Agent Reinforcement Learning Approach	School of Computer Science and Engineering, Nanjing University of Science and Technology, Nanjing, China School of Computer Science and Engineering, Nanjing University of Science and Technology, Nanjing, China Department of Electrical Engineering and Computer Science, Lassonde School of Engineering, York University, Toronto, Canada School of Computer Science and Engineering, Nanjing University of Science and Technology, Nanjing, China School of Electrical and Mechanical Engineering, Suzhou Global Institute of Software Technology, Suzhou, China
Automated End-Effector Alignment in Robotic Micromanipulation	Department of Mechanical and Industrial Engineering, University of Toronto, Toronto, ON, Canada Department of Mechanical and Industrial Engineering, University of Toronto, Toronto, ON, Canada; Research Institute of Intelligent Control and Systems, Harbin Institute of Technology, Harbin, China Department of Mechanical and Industrial Engineering, University of Toronto, Toronto, ON, Canada School of Electronic and Information Engineering, Suzhou University of Science and Technology, Suzhou, China School of Science and Engineering, Chinese University of Hong Kong, Shenzhen, China Department of Mechanical and Industrial Engineering, University of Toronto, Toronto, ON, Canada
Hybrid Nonlinear Transceiver Optimization for the RIS-Aided MIMO Downlink	School of Cyberspace Science and Technology, Beijing Institute of Technology, Beijing, China School of Information and Electronics, Beijing Institute of Technology, Beijing, China

	School of Cyberspace Science and
	Technology, Beijing Institute of
	Technology, Beijing, China Department
	of Electrical, Computer, and Biomedical
	Engineering, Ryerson University, Toronto,
	ON, Canada Department of Electronics
	and Computer Science, University of
	Southampton, Southampton, UK
Adaptive Autonomous Navigation of	University College London, London, U.K.
Multiple Optoelectronic Microrobots in	University College London, London, U.K.
Dynamic Environments	University of Toronto, Toronto, Ontario,
	Canada University of Toronto, Toronto,
	Ontario, Canada School of Mechatronical
	Engineering, Beijing Institute of
	Technology, Beijing, China University
	College London, London, U.K. University
	of Toronto, Toronto, Ontario, Canada
	Wellcome/EPSRC Centre for
	Interventional and Surgical Sciences
	(WEISS), University College London,
	London, United Kingdom National
	Physical Laboratory, Teddington, U.K.;
	University College London, London, U.K.
Random Access With Massive MIMO-	Department of Electronic Engineering,
OTFS in LEO Satellite Communications	Shanghai Jiao Tong University, Shanghai,
	China Department of Electronic
	Engineering, Shanghai Jiao Tong
	University, Shanghai, China School of
	Information and Electronics, Beijing
	Institute of Technology, Beijing, China
	School of Information and Electronics,
	Beijing Institute of Technology, Beijing,
	China Department of Electrical,
	Computer, and Biomedical Engineering,
	Ryerson University, Toronto, ON, Canada
	Department of Electronic Engineering,
	Shanghai Jiao Tong University, Shanghai,
	China
Expandable Fully Actuated Aerial Vehicle	The Edward S. Rogers Sr. Department of
Assembly: Geometric Control Adapted	Electrical and Computer Engineering,
from an Existing Flight Controller and	University of Toronto, Toronto, ON M5S
Real-World Prototype Implementation	3G4, Canada The School of
	Mechatronical Engineering, Beijing
	Institute of Technology, Beijing 100081,
	China The School of Mechatronical

	Engineering Design Institute of
	Engineering, Beijing Institute of
	Technology, Beijing 100081, China
Bifunctional bimetal-POSS films	Harbin Institute of Technology
integrating UV-IR shielding and reversible	Department of Material Science and
thermochromism	Engineering, University of Toronto,
	Toronto, Canada; School of Chemistry and
	Chemical Engineering, Harbin Institute of
	Technology, Harbin, People's Republic
	of China School of Chemistry and
	Chemical Engineering, Harbin Institute of
	Technology, Harbin, People's Republic
	of China Wenzhou Institute, University of
	Chinese Academy of Sciences, Wenzhou,
	People's Republic of China
Distributed Passivity-Based Control with	State Key Laboratory of Mechanics and
Attitude-Only Measurements	Control of Mechanical Structures, Nanjing
v	University of Aeronautics and
	Astronautics, Nanjing, China York
	University, Toronto, Canada State Key
	Laboratory of Mechanics and Control of
	Mechanical Structures, Nanjing University
	of Aeronautics and Astronautics, Nanjing,
	China
Continuous Constrained Attitude	State Key Laboratory of Mechanics and
Regulation on SO(3)	Control of Mechanical Structures, Nanjing
	University of Aeronautics and
	Astronautics, Nanjing, China York
	University, Toronto, Canada State Key
	Laboratory of Mechanics and Control of
	Mechanical Structures, Nanjing University
	of Aeronautics and Astronautics, Nanjing,
	China
Distributed Attitude Tracking and	State Key Laboratory of Mechanics and
0	
Synchronization on SO(3) Under Directed	Control of Mechanical Structures, Nanjing
Graphs	University of Aeronautics and Astronoutics Noniing China Vark
	Astronautics, Nanjing, China York
	University, Toronto, Canada State Key Laboratory of Machanics and Control of
	Laboratory of Mechanics and Control of
	Mechanical Structures, Nanjing University
	of Aeronautics and Astronautics, Nanjing,
	China
Koopman-Operator-Based Attitude	State Key Laboratory of Mechanics and
Dynamics and Control on SO(3)	Control of Mechanical Structures, Nanjing
	University of Aeronautics and
	Astronautics, Nanjing, China York
	University, Toronto, Canada State Key

Continuous Leaderless Synchronization Control of Multiple Rigid Spacecraft on SO(3)	Laboratory of Mechanics and Control of Mechanical Structures, Nanjing University of Aeronautics and Astronautics, Nanjing, China State Key Laboratory of Mechanics and Control of Mechanical Structures, Nanjing University of Aeronautics and Astronautics, Nanjing, China York University, Toronto, Canada State Key Laboratory of Mechanics and Control of Mechanical Structures, Nanjing University
Highly Accurate Visual Method of Mars Terrain Classification for Rovers Based on	of Aeronautics and Astronautics, Nanjing, China Key Laboratory of Marine Robotics, Shenyang 110169, China; State Key
Terrain Classification for Rovers Based on Novel Image Features	Shenyang 110169, China; State Key Laboratory of Robotics, Shenyang Institute of Automation, Chinese Academy of Sciences, Shenyang 110016, China; State Key Laboratory of Robotics and System, Harbin Institute of Technology, Harbin 150001, China State Key Laboratory of Robotics and System, Harbin Institute of Technology, Harbin 150001, China Beijing Aerospace Control Center Key Laboratory on the Technology of Space Flight Dynamics, Beijing 100190, China State Key Laboratory of Robotics and System, Harbin Institute of Technology, Harbin 150001, China State Key Laboratory of Robotics and System, Harbin Institute of Technology, Harbin 150001, China State Key Laboratory of Robotics and System, Harbin Institute of Technology, Harbin 150001, China State Key Laboratory of Robotics and System, Harbin Institute of Technology, Harbin 150001, China Department of Aerospace Engineering, Ryerson University, Toronto, ON M5B2K3, Canada
Actuation Arrangement of Rigid Foldable Waterbomb Origami	Harbin Institute of Technology State Key Laboratory of Robotics and System, , Harbin 150001, China; Harbin Institute of Technology School of Mechanical Engineering and Automation, , Shenzhen 518055, China Harbin Institute of Technology School of Mechanical Engineering and Automation, , Shenzhen 518055, China Harbin Institute of

Robotics and System, , Harbin 150001, China ; Harbin Institute of Technology School of Mechatronics Engineering, , Harbin 150001, China Harbin Institute of Technology School of Mechatronics Engineering, , Harbin 150001, China Harbin Institute of Technology School of Mechatronics Langineering, , Toronto, ON M5B 2K3, CanadaControlling the columnar-to-equiaxed transition during Directed Energy Deposition of Inconel 625Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Nanjing Enigma Automation Corporation, LTD, Nanjing 2110304, China Nanjing 210094, China Nanjing 211094, China Nanjing 210094, China Department of Materials Science & & Engineering, University of Toronto, Or MSS 324, Canada Department of Materials Science & & Engineering, University of Toronto, Or MSS 324, Canada Department of Materials Science & & Engineering, University of Science and Technology, Nanjing 210094, China Materials Science & Engineering, University of Science and Technology, Nanjing 210094, China Materials Science & Engineering, University of Science and Technology, Nanjing 210094, China Muterials Science & Engineering, Nanjing University of Science and Technology, Nanjing 210094, China Muterials Science & Engineering, Nanjing 210094, China Muterials Science and Technology, Nanjing 210094, China Muterials Science and Technolo		Technology State Key Laboratory of
 China ; Harbin Institute of Technology School of Mechatronics Engineering, , Harbin 150001, China Harbin Institute of Technology School of Mechanical Engineering and Automation., Shenzhen S18055, China ;: Ryerson University Department of Aerospace Engineering, , Toronto, ON M5B 2K3, Canada Controlling the columnar-to-equiaxed transition during Directed Energy Deposition of Inconel 625 Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Nanjing Enigma Automation Corporation, LTD, Nanjing 211153, China School of Physical Science and Technology, Northwestern Polytechnical University, Xiât™an 710072, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Department of Mechanical Engineering, MeGill University, Montreal, QC H3A 0C3, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON MSS 3E4, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON MSS 3E4, Canada School of Materials Science and Engineering, Nanjing University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China 		Robotics and System, , Harbin 150001,
Harbin 150001, China Harbin Institute of Technology School of Mechanical Engineering and Automation, Shenzhen 518055, China ;; Ryerson University Department of Aerospace Engineering, , Toronto, ON M5B 2K3, CanadaControlling the columnar-to-equiaxed transition during Directed Energy Deposition of Inconel 625Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing 211094, China Herbert Gleiter Institute of Nanoscience, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Northwestern Polytechnical University, Xiãt ^{CMan} 710072, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Department of Materials Science & Engineering, NoVA School of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NoVA School of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NoVA School of Science and Technology, Anjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NoVA School of Science and Technology, Anjing 210094		China ; Harbin Institute of Technology
Technology School of Mechanical Engineering and Automation, Shenzhen 518055, China ;; Ryerson University Department of Aerospace Engineering, 		School of Mechatronics Engineering,
Technology School of Mechanical Engineering and Automation, Shenzhen 518055, China ;; Ryerson University Department of Aerospace Engineering, Toronto, ON MSB 2K3, CanadaControlling the columnar-to-equiaxed transition during Directed Energy Deposition of Inconel 625Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing Enigma Automation Corporation, LTD, Nanjing Enigma Automation Corporation, UTD, Nanjing 211153, China School of Physical Science and Technology, Northwestern Polytechnical University, Xi'an 710072, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Bepartment of Materials Science & Engineering, University of Toronto, Toronto, ON MSS 324, Canada Department of Materials Science & Engineering, University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Science and Engineering, NoVA School of Materials Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Science and Technology, Nanjing 210094, China UNIDEM		
Engineering and Automation, , Shenzhen 518055, China ;; Ryerson University Department of Aerospace Engineering, , Toronto, ON M5B 2K3, CanadaControlling the columnar-to-equiaxed transition during Directed Energy Deposition of Inconel 625Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Manjing University of Science and Technology, Nanjing 210094, China Nanjing 211153, China School of Physical Science and Technology, Northwestern Polytechnical University, Xi'an 710072, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Northwestern Polytechnical University, Nanjing 210094, China Bepartment of Mechanical Engineering, McGill University of Science and Technology, Nanjing 210094, China Bepartment of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NoVA School of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NoVA School of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Science and <th></th> <td>•</td>		•
518055 , China ;; Ryerson University Department of Acrospace Engineering, , Toronto, ON MSB 2K3 , CanadaControlling the columnar-to-equiaxed transition during Directed Energy 		
Department of Aerospace Engineering, , Toronto, ON M5B 2K3, CanadaControlling the columnar-to-equiaxed transition during Directed Energy Deposition of Inconel 625Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Nanjing 211094, China School of Physical Science and Technology, Northwestern Polytechnical University, Xiâ€ TM an 710072, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Department of Mechanical Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Department of Materials Science & Engineering, University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Ruechanical and Industrial Engineering, NOVA School of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Science and Technology, Nanjing 2100		0
Toronto, ON MSB 2k3, CanadaControlling the columnar-to-equiaxed transition during Directed Energy Deposition of Inconel 625Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 211153, China Science and Technology, Northwestern Polytechnical University, Xi'an 710072, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Department of Mechanical Engineering, McGill University, Montreal, QC H3A 0C3, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Department of Materials Science & Engineering, University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Materials Science and Technology, Nanjing 210094, China UNIDEMI, Department of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Science and Technology, Nanjing 210094, China UNI		
Controlling the columnar-to-equiaxed transition during Directed Energy Deposition of Inconel 625Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Science and Technology, Nanjing 210094, China Nanjing 210094, China Department of Physical Science and Technology, Northwestern Polytechnical University, Xi'an 710072, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Department of Mechanical Engineering, McGill University, Montreal, QC H3A 0C3, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON MSS 3E4, Canada Department of Materials Science & Engineering, University of Science and Technology, Nanjing Unoy4, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NoVA School of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NoVA School of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NoVA School of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NoVA School of Science an		1 1 0 0, /
transition during Directed Energy Deposition of Inconel 625 Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Nanjing Enigma Automation Corporation, LTD, Nanjing 211153, China School of Physical Science and Technology, Northwestern Polytechnical University, Xiât TM an 710072, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Department of Mechanical Engineering, McGill University, Montreal, QC H3A 0C3, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada School of Materials Science and Engineering, Nanjing University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Metanical and Industrial Engineering, NOVA School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China	Controlling the columnar-to-equiaxed	
Deposition of Inconel 625 Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Nanjing Enigma Automation Corporation, LTD, Nanjing 211153, China School of Physical Science and Technology, Northwestern Polytechnical University, Xiâ&TMan 710072, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Northwestern Polytechnical University, Xiâ&TMan 710072, China Herbert Gleiter Institute of Nanoscience, Nanjing University, Montreal, QC H3A 0C3, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada School of Materials Science and Engineering, Nanjing University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China	S 1	· · · · · · · · · · · · · · · · · · ·
Herbert Ĝleiter Înstitute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Nanjing Enigma Automation Corporation, LTD, Nanjing 211153, China School of Physical Science and Technology, Northwestern Polytechnical University, Xi'an 710072, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Department of Mechanical Engineering, McGill University, Montreal, QC H3A 0C3, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada School of Materials Science and Engineering, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China	e et	• •
Nanjing University of Science and Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Nanjing Enigma Automation Corporation, LTD, Nanjing 211153, China School of Physical Science and Technology, Northwestern Polytechnical University, XiãetMan 710072, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Department of Mechanical Engineering, McGill University, Montreal, QC H3A 0C3, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Department of Materials Science and Echnology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Nanjing 110094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Science and Technology, Nanjing 10094, School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China	- · F · · · · · · · · · · · · · · · · · · ·	
Technology, Nanjing 210094, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Nanjing Enigma Automation Corporation, LTD, Nanjing 211153, China School of Physical Science and Technology, Northwestern Polytechnical University, Xi〙an 710072, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Department of Mechanical Engineering, McGill University, Montreal, QC H3A 0C3, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada School of Materials Science and Engineering, Nanjing University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanscience, Nanjing 210094, China <		
Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Nanjing Enigma Automation Corporation, LTD, Nanjing 211153, China School of Physical Science and Technology, Northwestern Polytechnical University, Xiâ ^{C™} an 710072, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Department of Mechanical Engineering, McGill University, Montreal, QC H3A 0C3, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Department of Materials Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing 210094, China		
Nanjing University of Science and Technology, Nanjing 210094, China Nanjing Enigma Automation Corporation, LTD, Nanjing 211153, China School of Physical Science and Technology, Northwestern Polytechnical University, Xi'an 710072, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Department of Mechanical Engineering, McGill University, Montreal, QC H3A 0C3, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Science and Engineering, Nanjing University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China		
Technology, Nanjing 210094, China Nanjing Enigma Automation Corporation, LTD, Nanjing 211153, China School of Physical Science and Technology, Northwestern Polytechnical University, Xi'an 710072, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Department of Mechanical Engineering, McGill University, Montreal, QC H3A 0C3, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON MSS 3E4, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON MSS 3E4, Canada School of Materials Science and Engineering, Nanjing University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China		
Nanjing Enigma Automation Corporation, LTD, Nanjing 211153, China School of Physical Science and Technology, Northwestern Polytechnical University, Xiâ& TM an 710072, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Department of Mechanical Engineering, McGill University, Montreal, QC H3A 0C3, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada School of Materials Science and Engineering, Nanjing University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, Universitade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China		
LTD, Nanjing 211153, China School of Physical Science and Technology, Northwestern Polytechnical University, Xi'an 710072, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Department of Mechanical Engineering, McGill University, Montreal, QC H3A 0C3, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada School of Materials Science and Engineering, Nanjing University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China		
Physical Science and Technology, Northwestern Polytechnical University, Xi'an 710072, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Department of Mechanical Engineering, McGill University, Montreal, QC H3A 0C3, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Department of Materials Science ad Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada School of Materials Science and Engineering, Nanjing University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China		
Northwestern Polytechnical University, Xi'an 710072, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Department of Mechanical Engineering, McGill University, Montreal, QC H3A 0C3, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada School of Materials Science and Engineering, Nanjing University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China		
 Xi'an 710072, China Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Department of Mechanical Engineering, McGill University, Montreal, QC H3A 0C3, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada School of Materials Science and Engineering, Nanjing University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China 		
Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China Department of Mechanical Engineering, McGill University, Montreal, QC H3A 0C3, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada School of Materials Science and Engineering, Nanjing University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China		
University of Science and Technology, Nanjing 210094, China Department of Mechanical Engineering, McGill University, Montreal, QC H3A 0C3, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada School of Materials Science and Engineering, Nanjing University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China		·
Nanjing 210094, China Department of Mechanical Engineering, McGill University, Montreal, QC H3A 0C3, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada School of Materials Science and Engineering, Nanjing University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China		, , ,
Mechanical Engineering, McGill University, Montreal, QC H3A 0C3, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada School of Materials Science and Engineering, Nanjing University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China		
University, Montreal, QC H3A 0C3, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada School of Materials Science and Engineering, Nanjing University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China		
Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada School of Materials Science and Engineering, Nanjing University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China		8
& Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada School of Materials Science and Engineering, Nanjing University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China		• • • • • •
Toronto, ON M5S 3E4, Canada Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada School of Materials Science and Engineering, Nanjing University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China		
Department of Materials Science & Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada School of Materials Science and Engineering, Nanjing University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China		e e
Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada School of Materials Science and Engineering, Nanjing University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China		
Toronto, ON M5S 3E4, Canada School of Materials Science and Engineering, Nanjing University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China		-
Materials Science and Engineering, Nanjing University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China		
Nanjing University of Science and Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China		
Technology, Nanjing 210094, China UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China		5 S.
UNIDEMI, Department of Mechanical and Industrial Engineering, NOVA School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China		• •
Industrial Engineering, NOVA School of Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China		
Science and Technology, Universidade NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China		
NOVA de Lisboa, Caparica 2829-516, Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China		8
Portugal Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China		
Nanoscience, Nanjing University of Science and Technology, Nanjing 210094, China		
and Technology, Nanjing 210094, China		8
School of Materials Science and		School of Materials Science and

	Engineering, Nanjing University of Science and Technology, Nanjing 210094, China
Tuning microstructure and improving the	Department of Materials Science and
Tuning microstructure and improving the corrosion resistance of Ti-6Al-3Nb-2Zr-	-
	Engineering, University of Toronto,
1Mo alloy using the electron beam	Toronto, ON M58 3E4, Canada; National
freeform fabrication	Key Laboratory for Precision Hot
	Processing of Metals, School of Materials
	Science and Engineering, Harbin Institute
	of Technology, Harbin 150001, China
	National Key Laboratory for Precision Hot
	Processing of Metals, School of Materials
	Science and Engineering, Harbin Institute
	of Technology, Harbin 150001, China
	HIT-Chungu Joint Research Center for
	Additive Manufacturing Materials, Anhui
	Chungu 3D Printing Institute of Intelligent
	Equipment and Industrial Technology,
	Wuhu 241200, China; National Key
	Laboratory for Precision Hot Processing of
	Metals, School of Materials Science and
	Engineering, Harbin Institute of
	Technology, Harbin 150001, China
	National Key Laboratory for Precision Hot
	Processing of Metals, School of Materials
	Science and Engineering, Harbin Institute
	of Technology, Harbin 150001, China
	National Key Laboratory for Precision Hot
	Processing of Metals, School of Materials
	Science and Engineering, Harbin Institute
	of Technology, Harbin 150001, China
	School of Space Environment and Physical
	Science, Harbin Institute of Technology,
	Harbin 150001, China AVIC
	Manufacturing Technology Institute,
	Beijing 100024, China School of Materials
	Science and Engineering, Kunming
	University of Science and Technology,
	Kunming 650093, China; Yunnan
	Titanium Industry Co., Ltd., Chuxiong
	651209, China National Key Laboratory
	for Precision Hot Processing of Metals,
	School of Materials Science and
	Engineering, Harbin Institute of
	Technology, Harbin 150001, China
	National Key Laboratory for Precision Hot
	Processing of Metals, School of Materials

	Science and Engineering, Harbin Institute
	of Technology, Harbin 150001, China
	Department of Materials Science and
	Engineering, University of Toronto,
	Toronto, ON M5S 3E4, Canada
Tuning microstructure and enhancing	Department of Materials Science and
corrosion property of Ti-6Al-3Nb-2Zr-1Mo	Engineering, University of Toronto,
alloy through electron beam surface	Toronto, ON M5S 3E4, Canada; National
melting	Key Laboratory for Precision Hot
	Processing of Metals, School of Materials
	Science and Engineering, Harbin Institute
	of Technology, Harbin 150001, China
	National Key Laboratory for Precision Hot
	Processing of Metals, School of Materials
	Science and Engineering, Harbin Institute
	of Technology, Harbin 150001, China
	HIT-Chungu Joint Research Center for
	Additive Manufacturing Materials, Anhui
	Chungu 3D Printing Institute of Intelligent
	Equipment and Industrial Technology,
	Wuhu 241200, China; National Key
	Laboratory for Precision Hot Processing of
	Metals, School of Materials Science and
	Engineering, Harbin Institute of
	Technology, Harbin 150001, China
	National Key Laboratory for Precision Hot
	Processing of Metals, School of Materials
	Science and Engineering, Harbin Institute
	of Technology, Harbin 150001, China
	National Key Laboratory for Precision Hot
	Processing of Metals, School of Materials
	Science and Engineering, Harbin Institute
	of Technology, Harbin 150001, China
	Laboratory for Space Environment and
	Physical Science, Harbin Institute of
	Technology, Harbin 150001, China
	National Key Laboratory for Precision Hot
	Processing of Metals, School of Materials
	Science and Engineering, Harbin Institute
	of Technology, Harbin 150001, China
	AVIC Manufacturing Technology
	Institute, Beijing 100024, China Yunnan
	Titanium Industry Co., Ltd., Chuxiong
	651209, China; School of Materials Science
	and Engineering, Kunming University of
	Science and Technology, Kunming 650093,

	China National Key Laboratory for
	Precision Hot Processing of Metals, School
	of Materials Science and Engineering,
	Harbin Institute of Technology, Harbin
	150001, China National Key Laboratory
	for Precision Hot Processing of Metals,
	School of Materials Science and
	Engineering, Harbin Institute of
	Technology, Harbin 150001, China
	Department of Materials Science and
	-
	Engineering, University of Toronto,
	Toronto, ON M5S 3E4, Canada
Large eddy simulation study on trailing	Department of Mechanical and Industrial
edge cutback cooling with a whisker lip	Engineering, University of Toronto,
	Toronto M5S 3G8, Canada; School of
	Energy Science and Engineering, Harbin
	Institute of Technology, Harbin 150001,
	China School of Energy Science and
	Engineering, Harbin Institute of
	Technology, Harbin 150001, China
	Department of Mechanical and Industrial
	Engineering, University of Toronto,
	Toronto M5S 3G8, Canada School of
	Energy Science and Engineering, Harbin
	Institute of Technology, Harbin 150001,
	China School of Energy Science and
	Engineering, Harbin Institute of
	Technology, Harbin 150001, China
Reduced Graphene Oxide-Based Dielectric	College of Materials Science and
Nanocomposites with Small Dielectric	Technology, Nanjing University of
Relaxation Times for Emerging Dielectric	Aeronautics and Astronautics, Nanjing
Electronics with High-Frequency	211106, China College of Materials
Performance Demands	Science and Technology, Nanjing
	University of Aeronautics and
	Astronautics, Nanjing 211106, China
	International Science & Technology
	Cooperation Base for Laser Processing
	Robot, College of Mechanical and
	Electrical Engineering, Wenzhou
	University, Wenzhou 325035, China
	College of Materials Science and
	6
	Technology, Nanjing University of
	Aeronautics and Astronautics, Nanjing
	211106, China Department of Materials
	Science and Engineering, Nanjing
	University, 22 Hankou Road, Nanjing

	210093, China Department of Chemical Engineering & Applied Chemistry, University of Toronto, Toronto, Ontario M5S 3E5, Canada
Training Beam Design for Channel Estimation in Hybrid mmWave MIMO Systems	School of Information and Electronics, Beijing Institute of Technology, Beijing 100081, China. School of Information and Electronics, Beijing Institute of Technology, Beijing 100081, China. School of Information and Electronics, Beijing Institute of Technology, Beijing 100081, China. Department of Electrical, Computer, and Biomedical Engineering, Ryerson University, Toronto, ON M5B 2K3, Canada. School of Information and Electronics, Beijing Institute of Technology, Beijing 100081, China.
Editorial: Multi-site neuroimage analysis: Domain adaptation and batch effects	Department of Computing Science, University of Alberta, Edmonton, AB, Canada; Department of Computer Science and Technology, Nanjing University of Aeronautics and Astronautics, Nanjing, China; Alberta Machine Intelligence Institute (Amii), Edmonton, AB, Canada Department of Computer Science and Technology, Nanjing University of Aeronautics and Astronautics, Nanjing, China Department of Psychiatry, University of Alberta, Edmonton, AB, Canada Department of Computing Science, University of Alberta, Edmonton, AB, Canada; Canadian Institute for Advanced Research (CIFAR) AI Chair, Toronto, ON, Canada; Alberta Machine Intelligence Institute (Amii), Edmonton, AB, Canada
Small-depth nanoindentation studies of an additively manufactured titanium alloy: Anisotropic nanomechanical properties and correlation with microscopic mechanical behaviour	Ab, CanadaDepartment of Materials Science and Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Department of Materials Science and Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada Department of Mechanical and Materials Engineering, Florida International University, Miami, FL 33174, USA Department of Mechanical and Industrial

	Engineering, Toronto Metropolitan University, 350 Victoria Street, Toronto, Ontario M5B 2K3, Canada Research Institute for Frontier Science, Beihang University, 37 Xueyuan Road, Beijing, P.R. China Department of Materials Science
	and Engineering, University of Toronto, Toronto, ON M5S 3E4, Canada
Out-of-plane chaotic motion and	State Key Laboratory of Mechanics and
suppression for tethered tug-debris systems	Control for Aerospace Structures, Nanjing
with thrust perturbation	University of Aeronautics and
	Astronautics, Nanjing 210016, China
	Department of Mechanical Engineering,
	York University, Toronto, Ontario,
	Canada M3J 1P3
New Parent Flowfield for Streamline-	Nanjing University of Aeronautics and
Traced Intakes	Astronautics, 210016 Nanjing, People's
	Republic of China Nanjing University of
	Aeronautics and Astronautics, 210016
	Nanjing, People's Republic of China
	Nanjing University of Aeronautics and
	Astronautics, 210016 Nanjing, People's
	Republic of China Ryerson University,
	Toronto, Ontario M5B 2K3, Canada
	North China University of Technology,
	100144 Beijing, People's Republic of
	China