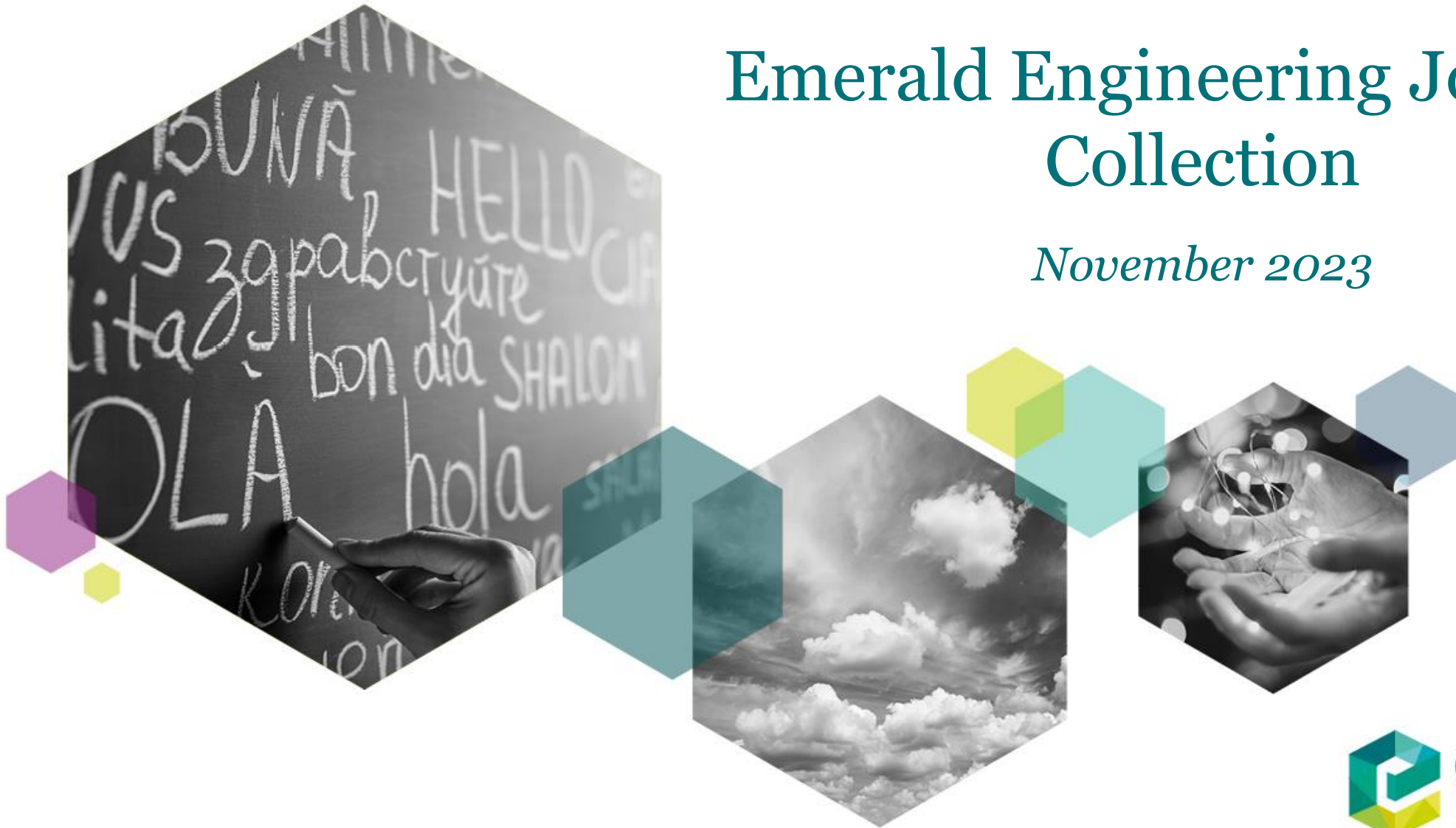


Emerald Engineering Journals Collection

November 2023



Subject collection summary



A high-quality specialist portfolio of 26 journals, which receives an average of **950,000 downloads** each year and features **18 titles accepted in Science Citation Index Expanded** (Clarivate Analytics) and **100% that are ranked by Scopus**.



Widely used in practice by global organisations across the aerospace, automotive, industrial and manufacturing sectors, the collection has contributed to major advancements in key fields of development, including **additive manufacturing, 4D printing, Industry 4.0, artificial intelligence, renewable energy, smart materials, Internet of Things and cybernetics**.



Closely connected to the industry, many titles maintain strong links to key associations and professional bodies such as **European Aeronautics Science Networks (EASN), International Microelectronics Assembly and Packaging Society (IMAPS)** and **European Structural Integrity Society (ESIS)**.



Engineering - 26 journals

- Aircraft Engineering and Aerospace Technology
- Anti-Corrosion Methods and Materials
- Circuit World
- COMPEL
- Engineering Computations
- Grey Systems: Theory and Application
- Industrial Lubrication and Tribology
- Industrial Robot
- International Journal of Clothing Science and Technology
- International Journal of Intelligent Computing and Cybernetics
- International Journal of Intelligent Unmanned Systems
- International Journal of Numerical Methods for Heat & Fluid Flow
- International Journal of Pervasive Computing and Communications
- International Journal of Structural Integrity
- International Journal of Web Information Systems
- Journal of Structural Fire Engineering
- Kybernetes
- Microelectronics International
- Multidiscipline Modeling in Materials and Structures
- Pigment & Resin Technology
- Rapid Prototyping Journal
- Research Journal of Textile and Apparel
- Robotic Intelligence and Automation
- Sensor Review
- Soldering & Surface Mount Technology
- World Journal of Engineering



Subject coverage

- **Aerospace Engineering**
 - *Aircraft Engineering and Aerospace Technology*
 - First published in 1929, 160+ articles per year
- **Applied Mathematics**
 - *Grey Systems: Theory and Application*
 - The most well-known journal in the field of grey systems
- **Chemical Engineering**
 - *Pigment & Resin Technology*
 - Attracts many authors who specialise in naturally occurring colourants and polymers, and their applications in sustainable colouration technologies
- **Civil, Environment & Geotechnical Engineering**
 - *International Journal of Structural Integrity*
 - Linked to the European Structural Integrity Society (ESIS)
- **Control and Systems Engineering**
 - *Industrial Robot*
 - Hugely impressive collection of technology reviews of robotic applications, markets, product developments, technologies and research, by Associate Editor, Rob Bogue



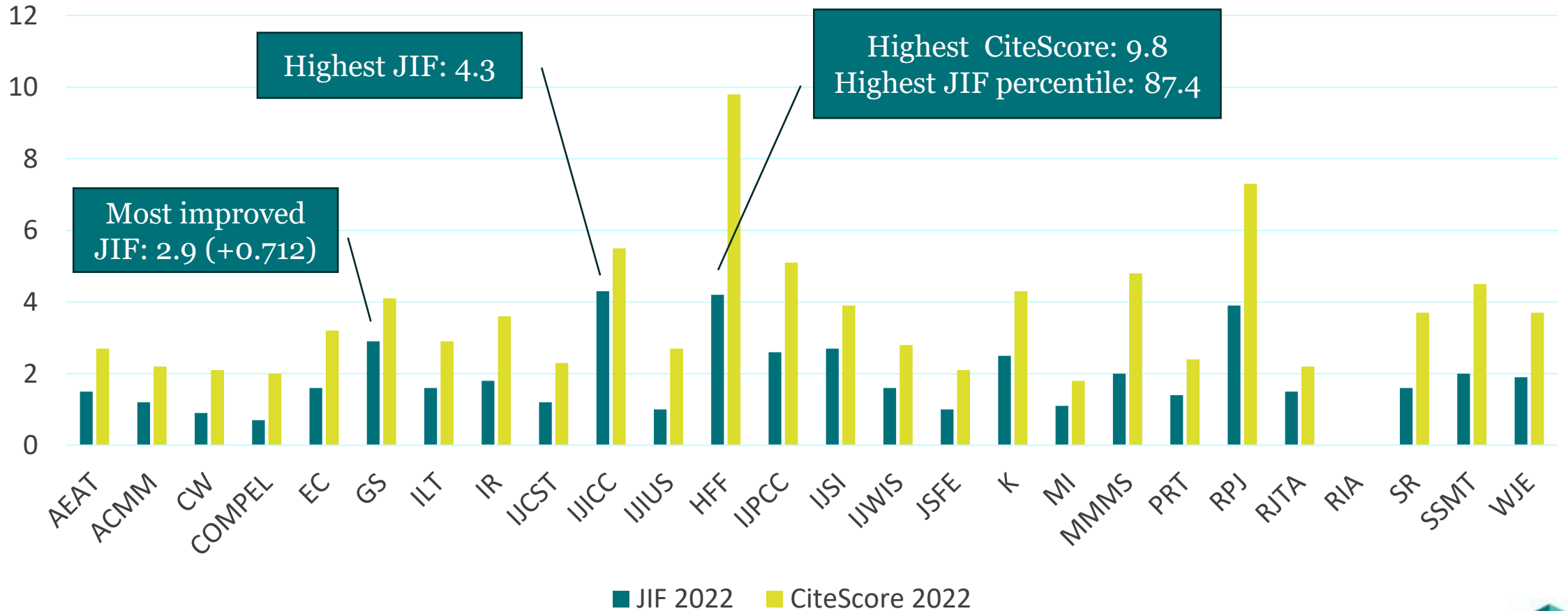
Subject coverage

- **Electrical & Electronic Engineering**
 - *Soldering & Surface Mount Technology*
 - The leading journal in its specific field, attracts a good mix of industrial and academic research
- **Industrial Engineering, Design & Manufacturing**
 - *Rapid Prototyping Journal*
 - The first ever journal to focus on additive manufacturing technology and research
- **Information and Computing Sciences**
 - *Kybernetes*
 - One of the most downloaded and highest publication output titles in the portfolio
- **Materials Science**
 - *International Journal of Clothing Science and Technology*
 - Worked with the most eminent professors, companies, government organisations in the field of clothing science
- **Mechanical Engineering**
 - *Industrial Lubrication and Tribology*
 - Launched in 1948, edited by Prof. Carsten Gachot, the head of the tribology research Group at the TU Wien



Metrics: JIF & CiteScore 2022

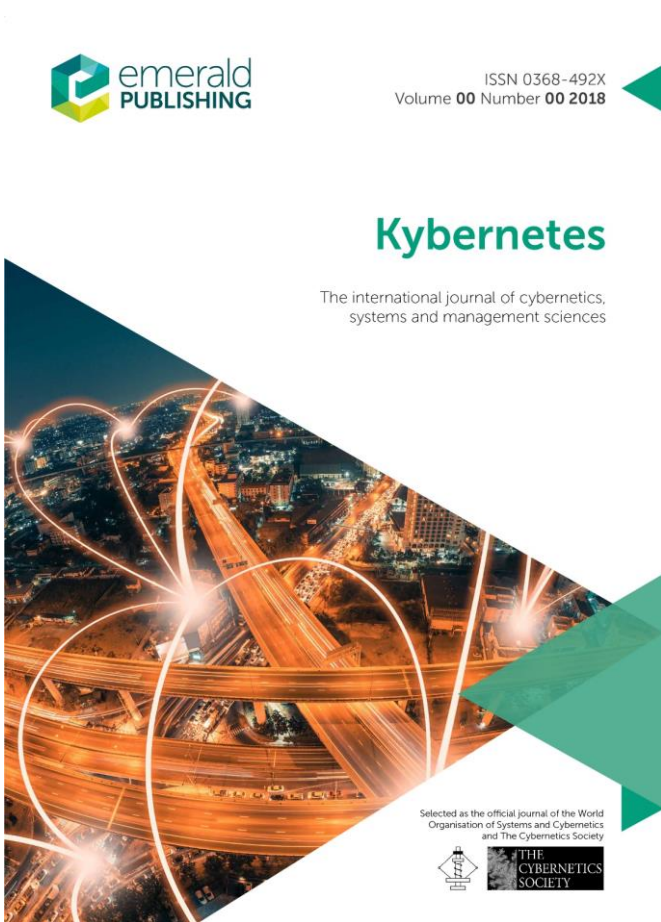
All journals have a JIF and CiteScore except *Robotic Intelligence and Automation* (due to a title change in 2023)





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Romanian Editors and journal board members



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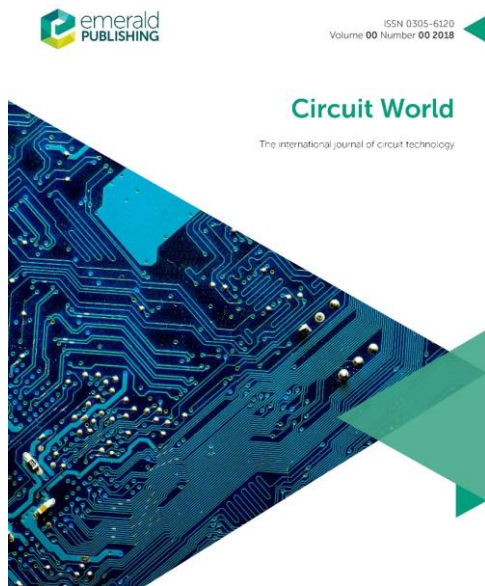
ISSN 2043-9377
Volume 00 Number 00 2018

**Grey Systems: Theory
and Application**

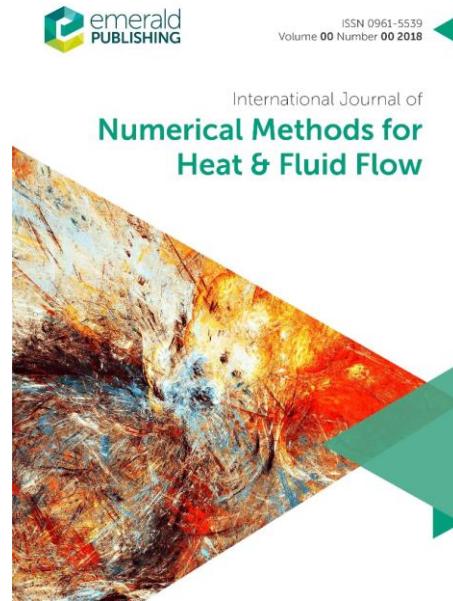


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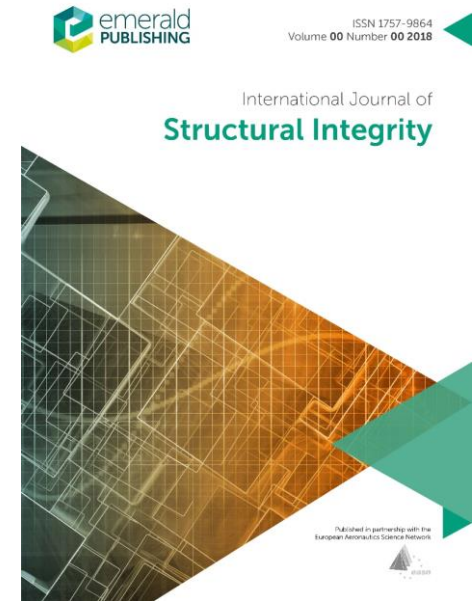
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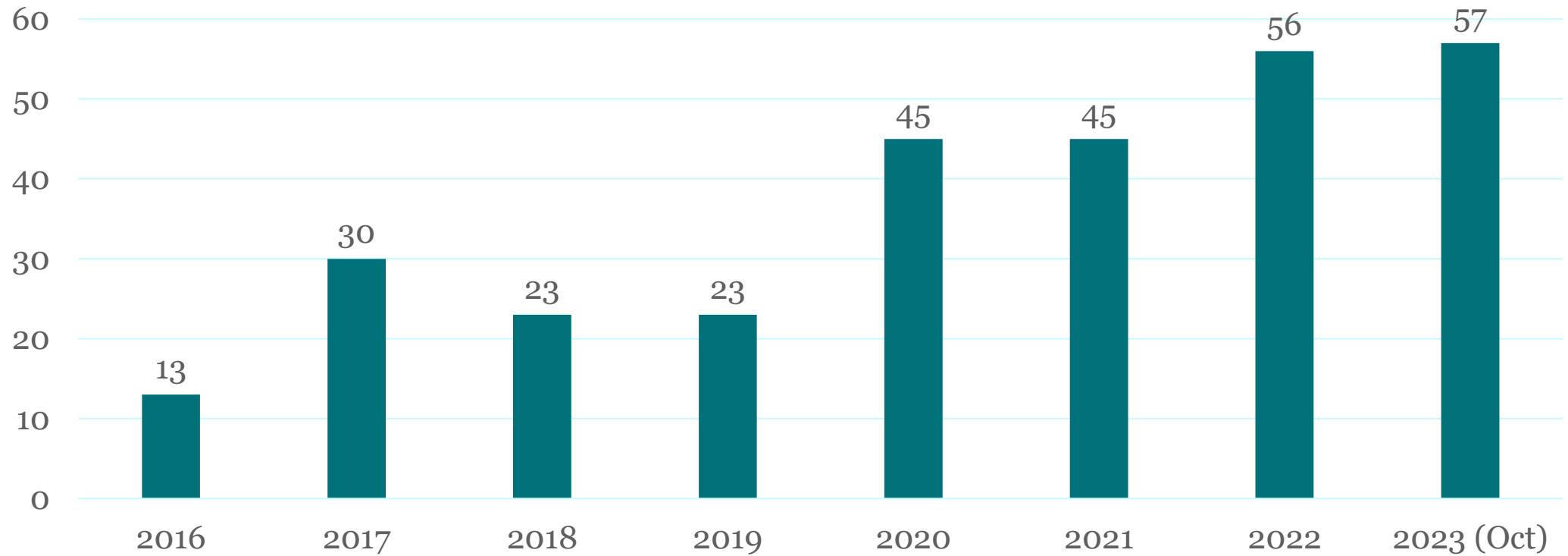
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Romanian published authors



Top universities by publication in past 5 years



Babeş-Bolyai University
• *69 publications*



Bucharest University of
Economic Studies
• *12 publications*



National School of Political
Science and Public Administration
• *9 publications*



Polytechnic University
of Bucharest
• *6 publications*



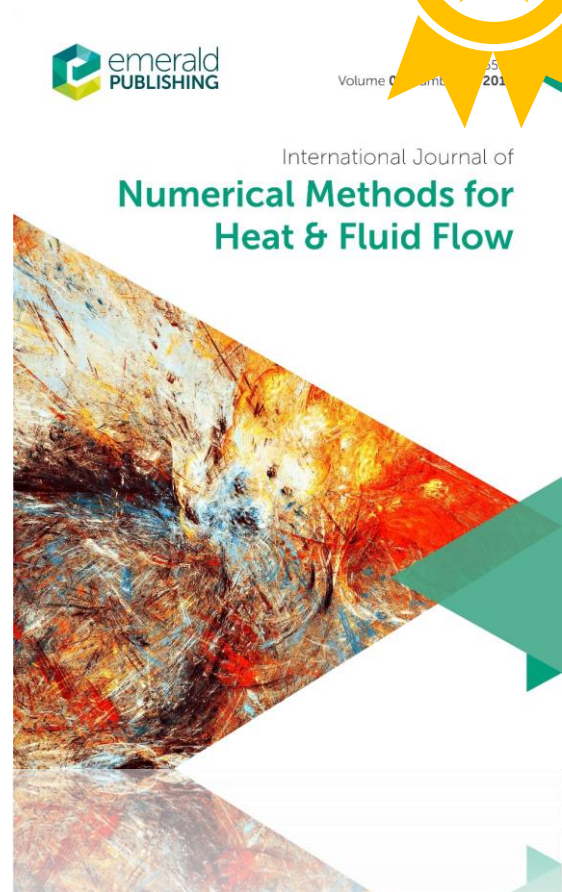
Alexandru Ioan Cuza
University
• *5 publications*



Favourite journals by Romanian authors



67 publications in the past 5 years



Most cited Romanian authors





Content Highlights



emerald
PUBLISHING

Featured journals

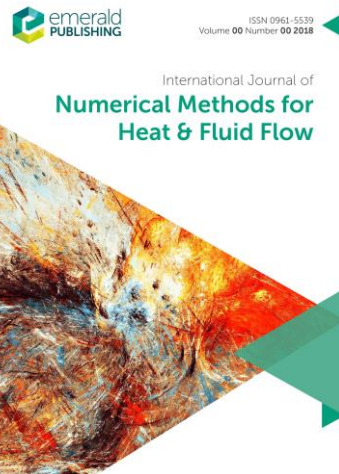
Rapid Prototyping Journal

It was the first ever journal to focus on additive manufacturing technology and research and it still serves as the main go-to point for the domain after almost 30 years.



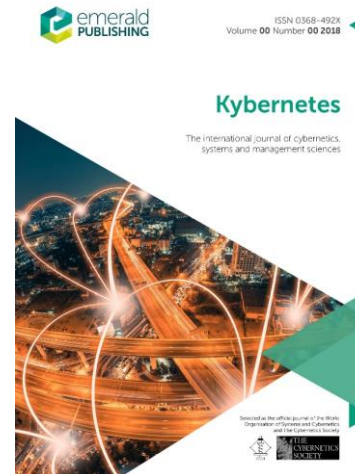
Engineering Computations

The Editor is the Head of the Zienkiewicz Institute, Swansea University, which has been at the forefront of international research for computational methods in engineering analysis area for over 30 years.



International Journal of Numerical Methods for Heat & Fluid Flow

Highest IF percentile in the portfolio, ranked Q1 in JCR and SJR. The Editor and co-founder Prof Roland W Lewis is a Fellow of the Royal Academy of Engineering and The Learned Society of Wales.



Kybernetes

Kybernetes

Launched in 1972, the journal is the official journal of the UNESCO-recognized World Organisation of Systems and Cybernetics (WOSC) and The Cybernetics Society.



SDG aligned journals



emerald PUBLISHING

ISSN 0368-492X
Volume 00 Number 00 2018

Kybernetes

The international journal of cybernetics, systems and management sciences

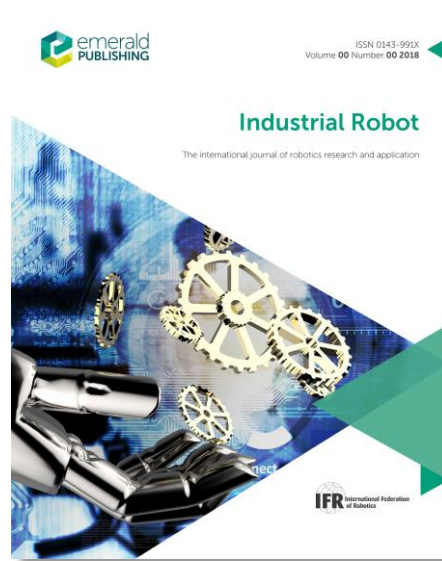
Selected as the official journal of the World Organisation of Systems and Cybernetics and The Cybernetics Society



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

3 GOOD HEALTH AND WELL-BEING

12 RESPONSIBLE CONSUMPTION AND PRODUCTION




emerald PUBLISHING

ISSN 0143-991X
Volume 00 Number 00 2018

Industrial Robot

The international journal of robotics research and application



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



emerald PUBLISHING

ISSN 0002-2667
Volume 00 Number 00 2018

Aircraft Engineering and Aerospace Technology

An International Journal



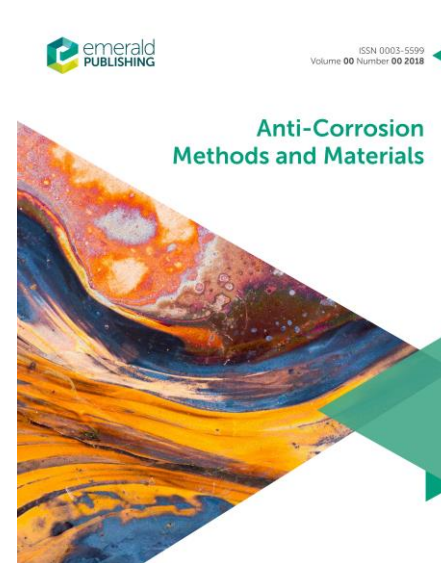
emerald PUBLISHING

ISSN 0332-1649
Volume 00 Number 00 2018

COMPEL

The international journal for computation and mathematics in electrical and electronic engineering

7 AFFORDABLE AND CLEAN ENERGY



emerald PUBLISHING

ISSN 0003-5599
Volume 00 Number 00 2018

Anti-Corrosion Methods and Materials

14 LIFE BELOW WATER



Recent SDG related articles

- Maximum power tracking strategy of a wind energy conversion system based on resonant with active disturbance rejection control, *Robotic Intelligence and Automation*, 2023
- Robots addressing agricultural labour shortages and environmental issues, *Industrial Robot*, 2023
- Effect of waste glass powder, microsilica and polypropylene fibers on ductility, flexural and impact strengths of lightweight concrete, *International Journal of Structural Integrity*, 2022
- Selection for additive manufacturing using hybrid MCDM technique considering sustainable concepts, *Rapid Prototyping Journal*, 2022
- Research on influencing factors and path of digital transformation of manufacturing enterprises, *Kybernetes*, 2023



High Altmetric score articles in past 5 years

Article Title	Journal	Pub Year	Altmetric
Effect of Celliant armbands on grip strength in subjects with chronic wrist and elbow pain: randomized double-blind placebo-controlled trial	RJTA	2021	96
Complexity-based task allocation in human-robot collaborative assembly	IR	2019	70
Washable textile embedded solar cells for self-powered wearables	RJTA	2022	53
Consumer perceptions and concerns regarding aesthetic attributes of textile-based assistive devices: a qualitative analysis of online retail product reviews	RJTA	2022	49
Bubble to panopticon: dark undercurrents of the big data torrent	K	2019	44
The future of democracy: the end of democracy as we know it	K	2019	42
Entropy generation and MHD analysis of a nanofluid with peristaltic three dimensional cylindrical enclosures	HFF	2021	35
Real-time vehicle detection for traffic monitoring by applying a deep learning algorithm over images acquired from satellite and drone	IJIUS	2022	34
Similarities and differences between virtual and actual pants	IJCST	2020	31
The anti-GMO advocacy: an institutionalist and systems-theoretic assessment	K	2019	22



Top downloaded articles in past 5 years

Article Title	Authors	Journal	Pub Year	Downloads
How social presence influences impulse buying behavior in live streaming commerce? The role of S-O-R theory	Dr Muhammad Bilal, Dr Umair Akram, Ms. Junlan Ming, Prof. Mingyue Fan, Prof. Zeng Jianqiu	IJWIS	2021	10326
ERP issues and challenges: a research synthesis	Dr. Abdul Zahid Khan, Mr. Faisal Mahmood, Prof Rahat Hussain Bokhari	K	2020	5074
R&D investment, ESG performance and green innovation performance: evidence from China	Dr Feng Liu , Dr. Jian Xu, Miss Yue Shang	K	2021	4310
The role of IT-based technologies on the management of human resources in the COVID-19 era	Dr. Sahar Vahdat	K	2022	4173
Design for Additive Manufacturing - A review of available design methods and software	Dr. Johan Persson, Mr. Anton Wiberg, Prof Johan Ölvander	RPJ	2019	3819



Top cited articles in past 5 years

Article Title	Authors	Title	Pub Year	Scopus Citations
Fused deposition modelling: a review	Dr. Deepak Panghal, Dr. Shailendra Kumar, Mr Swapnil Shivram Vyavahare, Mr. Soham Kantilal Teraiya	RPJ	2020	172
Lagrange crisis and generalized variational principle for 3D unsteady flow	Dr Ji-Huan He	HFF	2020	144
Manufacturing intelligent Corvus Corone module for a secured two way image transmission under WSN	Dr. Abdallah Ali Abdallah, Mr. bilal Alhayani	EC	2021	136
Entropy generation analysis of MHD natural convection flow of hybrid nanofluid in a square cavity containing a corrugated conducting block	Assistant Prof. Tahar Tayebi, Dr Ali J Chamkha	HFF	2020	135
A hybrid investigation on numerical and analytical solutions of electro-magnetohydrodynamics flow of nanofluid through porous media with entropy generation	Dr. N. Shehzad, Dr. Z Ayaz, Prof Sadiq M Sait, Prof. Rahmat Ellahi	HFF	2020	125



Recent special issues

Research and Education in Aircraft Design

Aircraft Engineering and Aerospace Technology

Electromagnetic modelling exploiting fields and circuits

COMPEL – The international journal for computation and mathematics in electrical and electronic engineering

Covid-19 and the Control of Humans and Society

Kybernetes

Tribology for Sustainability & Reliability

Industrial Lubrication and Tribology

New Development on Intelligent Unmanned Systems

International Journal of Intelligent Unmanned Systems

Current Topics of Knowledge Graphs and Semantic Web

International Journal of Web Information Systems

Emerging technologies for highly-reliable power electronic systems in miniaturized electronic devices

Microelectronics International



Upcoming special issues

Cognitive Computing and Hybrid Intelligence

Robotic Intelligence and Automation

Numerical and experimental analysis of conversion, storage and management of thermal energy

International Journal of Numerical Methods for Heat & Fluid

Computational Methods in Multi-scale, Multi-uncertainty and Multi-physics Problems

Engineering Computations

The modern power supply systems

Circuit World

Industrial and Automotive Lubrication

Industrial Lubrication and Tribology

Fabric Objective Data and Algorithms to Predict End-Uses and Tailorability

International Journal of Clothing Science and Technology





Thank you!

Summer Wang
Commissioning Editor
swang@emerald.com