

ioppublishing.org



**IOP** Publishing | science first

IOP Publishing is a multi-channel publisher of scientific content focusing on physics, materials science, biosciences, astronomy and astrophysics, environmental sciences, mathematics, and interdisciplinary sciences, including education.

Currently publishing 89 journals, a digital book programme, conference proceedings and providing expert science journalism, we reflect the changing nature of scientific research. Our programme spans foundational sciences to their application and commercialisation.

We also publish many of our products on behalf of other scientific organisations and represent their needs and those of their members and contributors.

# Contents

Journals	page
2D Materials	12
Advances in Natural Sciences: Nanoscience and Nanotechnolo	gy <b>12</b>
Applied Physics Express	13
The Astronomical Journal	13
The Astrophysical Journal	14
The Astrophysical Journal Letters	14
The Astrophysical Journal Supplement Series	15
Biofabrication	15
Bioinspiration & Biomimetics	16
Biomedical Materials	16
Biomedical Physics & Engineering Express	17
Chinese Physics B	17
Chinese Physics C	18
Chinese Physics Letters	18
Classical and Quantum Gravity	19
Communications in Theoretical Physics	19
ECS Journal of Solid State Science and Technology	20
Electronic Structure	20
Engineering Research Express	21
Environmental Research Communications	21
Environmental Research Letters	22
EPL	22
European Journal of Physics	23
Flexible and Printed Electronics	23
Fluid Dynamics Research	24
Functional Composites and Structures	24
International Journal of Extreme Manufacturing	25
Inverse Problems	25
Izvestiya: Mathematics	26
Japanese Journal of Applied Physics	26
Journal of Breath Research	27
Journal of Cosmology and Astroparticle Physics	27
Journal of Instrumentation	28

Journal of Micromechanics and Microengineering	28
Journal of Neural Engineering	29
Journal of Optics	29
Journal of Physics A: Mathematical and Theoretical	30
Journal of Physics B: Atomic, Molecular and Optical Physics	30
Journal of Physics Communications	31
Journal of Physics: Condensed Matter	31
Journal of Physics D: Applied Physics	32
Journal of Physics G: Nuclear and Particle Physics	32
Journal of Radiological Protection	33
Journal of Semiconductors	33
Journal of Statistical Mechanics: Theory and Experiment	34
Journal of the Electrochemical Society	34
JPhys Complexity	35
JPhys Energy	35
JPhys Materials	36
JPhys Photonics	36
Laser Physics	37
Laser Physics Letters	37
Machine Learning: Science and Technology	38
Materials Research Express	38
Measurement Science and Technology	39
Methods and Applications in Fluorescence	39
Metrologia	40
Modelling and Simulation in Materials Science and Engineering	40
Multifunctional Materials	41
Nano Futures	41
Nanotechnology	42
New Journal of Physics	42
Nonlinearity	43
Nuclear Fusion	43
Physical Biology	44
Physica Scripta	44
Physics Education	45

Physics in Medicine & Biology	45
Physics—Uspekhi	46
Physiological Measurement	46
The Planetary Science Journal	47
Plasma Physics and Controlled Fusion	47
Plasma Research Express	48
Plasma Science and Technology	48
Plasma Sources Science and Technology	49
Progress in Biomedical Engineering	49
Progress in Energy	50
Publications of the Astronomical Society of the Pacific	50
Quantum Electronics	51
Quantum Science and Technology	51
Reports on Progress in Physics	52
Research in Astronomy and Astrophysics	52
Russian Chemical Reviews	53

Russian Mathematical Surveys	53
Sbornik: Mathematics	54
Semiconductor Science and Technology	54
Smart Materials and Structures	55
Superconductor Science and Technology	55
Surface Topography: Metrology and Properties	56
Other products	page
Journal developments	08
New partnership for 2020	09
IOP ebooks	10
IOP Conference Series	57
ECS conferences	58
Science news: Physics World	59
Magazines	60
Careers support	62

# Journals by subject area

Our journals, ebooks, conference proceedings and science journalism reflect the changing nature of scientific research. Explore our portfolio below, where you will find titles covering physics, materials science, biosciences, astronomy and astrophysics, environmental sciences, mathematics, and interdisciplinary sciences, including education.

Physics	page
Applied Physics Express	13
Biomedical Physics & Engineering Express	17
Chinese Physics B	17
Chinese Physics C	18
Chinese Physics Letters	18
Classical and Quantum Gravity	19
Communications in Theoretical Physics	19
Electronic Structure	20
EPL	22
European Journal of Physics	23
Japanese Journal of Applied Physics	26
Journal of Cosmology and Astroparticle Physics	27
Journal of Optics	29
Journal of Physics A: Mathematical and Theoretical	30
Journal of Physics B: Atomic, Molecular and Optical Physics	30
Journal of Physics Communications	31
Journal of Physics: Condensed Matter	31
Journal of Physics: Conference Series	57
Journal of Physics D: Applied Physics	32
Journal of Physics G: Nuclear and Particle Physics	32
Journal of Semiconductors	33
JPhys Complexity	35
JPhys Energy	35
JPhys Materials	36
JPhys Photonics	36
Laser Physics	37
Laser Physics Letters	37
Machine Learning: Science and Technology	38

New Journal of Physics	42
Nuclear Fusion	43
Physical Biology	44
Physica Scripta	44
Physics Education	45
Physics in Medicine & Biology	45
Physics-Uspekhi	46
Physiological Measurement	46
Plasma Physics and Controlled Fusion	47
Plasma Research Express	48
Plasma Science and Technology	48
Plasma Sources Science and Technology	49
Quantum Electronics	51
Quantum Science and Technology	51
Reports on Progress in Physics	52
Semiconductor Science and Technology	54
Superconductor Science and Technology	55

#### Materials

page

2D Materials	12
Advances in Natural Sciences:	12
Nanoscience and Nanotechnology	
Applied Physics Express	13
Biofabrication	15
Biomedical Materials	16
ECS Journal of Solid State Science and Technology	20
ECS Meeting Abstracts	58
ECS Transactions	58
Electronic Structure	20
Engineering Research Express	21

Flexible and Printed Electronics	23
Functional Composites and Structures	24
International Journal of Extreme Manufacturing	25
IOP Conference Series: Materials Science and Engineering	57
Japanese Journal of Applied Physics	26
Journal of Micromechanics and Microengineering	28
Journal of Physics: Condensed Matter	31
Journal of Physics D: Applied Physics	32
Journal of Semiconductors	33
Journal of the Electrochemical Society	34
JPhys Materials	36
Machine Learning: Science and Technology	38
Materials Research Express	38
Methods and Applications in Fluorescence	39
Modelling and Simulation in Materials Science and Engineering	40
Multifunctional Materials	41
Nano Futures	41
Nanotechnology	42
Semiconductor Science and Technology	54
Smart Materials and Structures	55
Superconductor Science and Technology	55
Surface Topography: Metrology and Properties	56

Bi	OSC	ien	ces
----	-----	-----	-----

Biofabrication	15
Bioinspiration & Biomimetics	16
Biomedical Materials	16
Biomedical Physics & Engineering Express	17
Journal of Breath Research	27
Journal of Neural Engineering	29
Journal of Physics: Condensed Matter	31
Journal of Physics D: Applied Physics	32
Journal of Radiological Protection	33
Machine Learning: Science and Technology	38

Methods and Applications in Fluorescence	39
Physical Biology	44
Physics in Medicine & Biology	45
Physiological Measurement	46
Progress in Biomedical Engineering	49

page

page

**Environmental sciences** 

Engineering Research Express	21
Environmental Research Communications	21
Environmental Research Letters	22
Fluid Dynamics Research	24
Inverse Problems	25
IOP Conference Series: Earth and Environmental Science	57
Journal of Physics D: Applied Physics	32
Machine Learning: Science and Technology	38
Nonlinearity	43
Progress in Energy	50

Astronom	y and as	troph	vsics

The Astronomical Journal	13
The Astrophysical Journal	14
The Astrophysical Journal Letters	14
The Astrophysical Journal Supplement Series	15
Chinese Physics C	18
Classical and Quantum Gravity	19
Journal of Cosmology and Astroparticle Physics	27
Journal of Physics G: Nuclear and Particle Physics	32
Machine Learning: Science and Technology	38
The Planetary Science Journal	47
Publications of the Astronomical Society of the Pacific	50
Research in Astronomy and Astrophysics	52

page

Mathematics	
Communications in Theoretical Physics	19
Fluid Dynamics Research	24
Inverse Problems	25
Izvestiya: Mathematics	26
Journal of Physics A: Mathematical and Theoretical	30
Journal of Statistical Mechanics: Theory and Experiment	34
Machine Learning: Science and Technology	38
Nonlinearity	43
Quantum Science and Technology	51
Russian Mathematical Surveys	53
Sbornik: Mathematics	

Journal of Instrumentation	28
Journal of the Electrochemical Society	34
Machine Learning: Science and Technology	38
Measurement Science and Technology	39
Metrologia	40
New Journal of Physics	42
Physics Education	45
Physics-Uspekhi	46
Reports on Progress in Physics	52
Russian Chemical Reviews	53

1

Other products

Interdisciplinary	page
ECS Journal of Solid State Science and Technology	20
ECS Meeting Abstracts	58
ECS Transactions	58
Engineering Research Express	21
EPL	22
European Journal of Physics	23

Journal developments	08
New partnership for 2020	09
IOP ebooks	10
IOP Conference Series	57
ECS conferences	58
Science news: Physics World	59
Magazines	60
Careers support	62

page

# Journal developments



**Engineering Research Express** A broad, rapid peer-review journal publishing new experimental and theoretical research on innovation, design, maintenance and the application of all aspects of engineering, in all its disciplines.

iopscience.org/erx



#### JPhys Complexity

JPhys Complexity is a new, interdisciplinary and fully open access journal publishing the most exciting and significant developments across all areas of complex systems and networks.

iopscience.org/jphyscomplexity

# Functional Composites

**Functional Composites** and Structures

Functional Composites and Structures is a new journal communicating high-quality research results and technological developments in the functional aspects of composite materials research.

iopscience.org/fcs





#### International Journal of **Extreme Manufacturing**

An open access, multidisciplinary journal uniquely covering the areas related to extreme manufacturing. It publishes original research and reviews from fundamentals to process, metrology, conditions, environments, and system integration of manufacturing.

#### iopscience.org/ijem

In partnership with Institute of Machinery Manufacturing Technology, China Academy of Engineering Physics

# I FARNING



A multidisciplinary, open access journal publishing high-quality research on the application and development of machine learning for the sciences.

iopscience.org/mlst



#### **The Planetary Science Journal**

Devoted to recent developments. discoveries, and theories in planetary science. The journal welcomes all aspects of investigation of the solar system and other planetary systems.

#### iopscience.org/psj

In partnership with AMERICAN A ASTRONOMICAL

S

#### **NEWS**

#### **Materials Research** Express



#### Materials Research Express to become a fully gold open access journal in 2020

In response to increasing demand for more accessible and open science, Materials Research Express will become a fully gold open access journal from the beginning of 2020. All articles published from volume 7 (2020) onwards will be immediately free to read under a Creative Commons licence, providing maximum visibility and allowing authors to comply with any requirements for open access publication from institutions and funders. Content published up to and including volume 6 (2019) of the journal will remain published on a subscription basis and fully protected by copyright.

iopscience.org/mrx

# New partnership for 2020

### The Electrochemical Society (ECS) has selected IOP as its journals publishing partner.

Starting in 2020, we are pleased to begin our partnership with ECS for the publication of the *Journal of the Electrochemical Society* and the *ECS Journal of Solid State Science and Technology*, and the hosting of *ECS Transactions*, *ECS Meeting Abstracts*, and *Interface*, as well as the archives for ECS's retired publications – *ECS Electrochemistry Letters*, *ECS Solid State Letters*, *Electrochemical and Solid-State Letters*, and *ECS Proceedings Volumes*.

ECS has a 117+ year reputation for creating outstanding, peer-reviewed periodicals, conference proceedings, and magazines, and is the only non-profit society with top publications in electrochemistry and solid state science and technology.

#### ECS publications now included in the IOP portfolio

# Journal of the Electrochemical Society



2018 Impact Factor: **3.120** 

Ranked #4 in materials science, coatings and films, and #11 in electrochemistry.

# ECS Journal of Solid State Science and Technology



2018 Impact Factor: **1.795** 

#### Also to be hosted by IOP



### ECS Transactions

**ECS** Archives

Letters

£CS/

The official conference proceedings publication of the ECS.

• ECS Electrochemistry Letters

Electrochemical and Solid-State

ECS Solid State Letters

• ECS Proceedings Volumes.



#### **ECS Meeting Abstracts**

Extended abstracts of the technical papers presented at the ECS biannual meetings and ECS-sponsored meetings, and a first look into the current research in the field.



#### Interface

An authoritative yet accessible publication for those in the field of solid-state and electrochemical science and technology.



The Electrochemical Society Advancing solid state & electrochemical science & technology

# IOP | ebooks<sup>™</sup>

IOP ebooks is the essential collection of books developed by a society publisher for the scientific community. We amplify the voices of our authors through innovative publishing techniques to advance knowledge across multiple key subject areas, while empowering libraries to take control of the content that they purchase to best serve the needs of their users.



#### **Leading voices**

We work with pioneers and award-winning authors to educate, enhance knowledge and connect readers to cutting-edge work in their field.



Professor Robert Williams University of California-Santa Cruz, STScl Astronomer Emeritus, USA



Professor David K Ferry School of Electrical, Computer, and Energy Engineering, Arizona State University, USA



Vladimir E Fortov Joint Institute for High Temperatures, Moscow, Russia



Professor Claudia Tanja Mierke University of Leipzig, Germany

#### **Broad subject coverage**

With books covering 16 subject areas across the physical sciences, you can be assured that there is something for everyone at your library.

Astronomy and astrophysics	Atomic and molecular physics	Biomedical engineering	Classical physics
Condensed matter	Culture, history and society	Education and outreach	Environment and energy
Instrumentation and measurement	Materials	Mathematics and computation	Medical physics and biophysics
Optics and photonics	Particle and nuclear physics	Plasmas	Quantum science

#### **Expert partners**

We partner with world-leading scientific societies who are at the forefront of their fields of expertise and know the needs of their communities to publish highly relevant books.







#### **Library benefits**

- Budget management: Take control of your budget with a one-time perpetual purchase model
- Ease of use: All books are DRM free with no restrictions on use
- **Discoverable:** Smarter searching and optimal discovery through free MARC records and extensive indexing
- **Relevant:** On average, 64% of our customers' books are used within 12 months of purchase
- Accessible: High-accessibility standards and compatibility with assistive technology
- myPrint: Give your library users the option to purchase heavily discounted print copies of the books in your collection

#### **Reader benefits**

- **Convenient:** Books can be accessed 24/7 on or off campus through our integrated journal and book platform
- Interactive: An elevated reading experience through embedded videos, interactive features and downloadable software
- Accessible: Multiple formats available to support reading on all devices, as well as compatibility with screen readers, such as JAWS, NVDA and Apple's VoiceOver
- **Compatible:** Books are easily integrated into the Virtual Learning Environment
- Flexible: Manage your reading list through individual chapter or whole-book downloads









For more information and a list of published and forthcoming titles, visit **iopscience.org/books**.

# 2D Materials

#### iopscience.org/2dm

# Advances in Natural Sciences: Nanoscience and Nanotechnology

iopscience.org/ansn

2D Materials	Volume	7
	Frequency	4
32555	Online ISSN	2053-1583
	CODEN	DMATB7

#### Editor-in-chief

V Fal'ko, University of Manchester, UK

#### Associate editors-in-chief

- Regional editor for North America: Joan Redwing, Pennsylvania State University, PA, USA
- Regional editor for Asia: B-H Hong, Seoul National University, Korea

2D Materials<sup>™</sup> (2DM) publishes fundamental and applied research of the highest quality and impact, covering all aspects of graphene and related 2D materials.

2DM publishes new research, topical reviews and commentaries that are vital reading for scientists and engineers working on any aspect of this important area of research.

The journal covers all aspects of 2D materials, including fundamental properties (experiments, theory and simulations), novel applications (electrical, mechanical, chemical and biomedical) and synthesis/ fabrication techniques. Specific materials of interest include, but are not limited to:

- graphene and graphene-derived materials (such as graphene oxides, graphene quantum dots)
- silicene and germanene/silicane and germanane
- boron nitride
- transition metal dichalcogenides
- 2D topological insulators

2DM readers can also enjoy the video abstracts that accompany many articles, allowing authors to go beyond the constraints of the written article to personally communicate the importance and value of their work to the journal's global multidisciplinary audience.

#### **Online archive**

2015-2020 available free with journal subscription



MRCM0400		11
0 2 Bra	volume	11
ADVANCES IN NATURAL SCIENCES	Frequency	4
NANOSCIENCE AND NANOTECHNOLOGY	Online ISSN	2043-6262
March 2016	CODEN	ANSNCK
Native Sty		

#### Editor-in-chief

Nguyen Quang Liem, Vietnam Academy of Science and Technology, Hanoi, Vietnam

#### **Deputy editor-in-chief**

Nguyen Bich Ha, Institute of Materials Science, Hanoi, Vietnam

Advances in Natural Sciences: Nanoscience and Nanotechnology (ANSN) produces quarterly issues of research covering all aspects of nanoscience and nanotechnology, including the fundamental physics, optics, photonics, chemistry, biology and technology of nanometre-scale materials and devices, for applications in quantum computation, smart lighting, energy generation and storage, sensors, health care, agricultural production, and environmental protection.

ANSN supports the international community, publishing research from around the world and acting as an information resource for its international readership – including primary researchers, industry professionals and undergraduate nanotechnology students.

Published using the gold open access model between 2010 and 2018, ANSN has been published on a subscription basis from 2019 onwards.

A corresponding print version is created for local use in Vietnam.

#### Online archive

2010-2020 available free with journal subscription

#### Partner

Vietnam Academy of Science and Technology



# **Applied Physics Express**

#### iopscience.org/apex

PLIED	Volume	13
RESS	Frequency	12
Approximation of the second	Online ISSN	1882-0786
APEX	Print ISSN	1882-0778
	CODEN	APEPC4

#### Chief executive editor

Takuji Takahashi, University of Tokyo, Japan

#### **Editor-in-chief**

Kouichi Ono, Kyoto University/Osaka University, Japan

Applied Physics Express (APEX) is a letters journal devoted solely to rapid dissemination of up-to-date and concise reports on new findings in applied physics. The main focus of the Editorial Board is the high scientific and/or technological impact of its published papers.

In 2018, APEX introduced a new type of article – the APEX Review. These invited articles will concisely introduce emerging and fast-developing fields that will be of interest to the whole community. Fields of interest include:

- semiconductors, dielectrics and organic materials
- photonics, quantum electronics, optics and spectroscopy
- · spintronics, superconductivity and strongly correlated materials
- · device physics including quantum information processing
- nanoscale science and technology
- physics-based circuits and systems
- · crystal growth, surfaces, interfaces, thin films and bulk materials
- plasmas, applied atomic and molecular physics, and applied nuclear physics
- device processing, fabrication and measurement technologies, and instrumentation
- cross-disciplinary areas such as bioelectronics/photonics, biosensing, environmental/energy technologies and MEMS

#### Online archive 2008–2020

2008-2020

#### Partner

The Japan Society of Applied Physics





# The Astronomical Journal

#### iopscience.org/aj

Nº CUBHENING	Volume	159–160
THE ASTRONOMICAL JOURNAL	Frequency	12
	Online ISSN	1538-3881
	CODEN	ANJOAA

#### Editor-in-chief

Ethan Vishniac, John Hopkins University, Maryland, USA

The Astronomical Journal (AJ) is a peer-reviewed, monthly journal published for the American Astronomical Society by IOP Publishing. It serves an international community of authors, scientists and students through its high-quality, rapid publication and accessible communication of a broad range of astronomical research, extending from the solar system to observational cosmology.

AJ articles present significant scientific results derived from observations, including descriptions of data capture, surveys, dynamical processes, analysis techniques and astrophysical interpretation, as well as theoretical models. This broad coverage, along with discussions of instrumentation and associated software, make this journal an essential resource for anyone interested in astronomy and planetary sciences research.

AJ actively seeks opportunities to enhance electronic presentations of information. Features include the provision of tabular data underlying figures and the compilation of related articles into electronic special issues. High citation rates, affordable subscription pricing and a worldwide circulation base establish AJ as a premier journal in refereed publication of astronomical and astrophysical research from throughout the world.

#### **Online archive**

Rolling one-year archive available with journal subscription



# The Astrophysical Journal

#### iopscience.org/apj

# The Astrophysical Journal Letters

iopscience.org/apjl



Volume	888-905
Frequency	36
Online ISSN	1538-4357
CODEN	ASJOAB

#### AAS Editor-in-chief

Ethan Vishniac, Johns Hopkins University, MD, USA

Launched in 1895 by George E Hale and James E Keeler, *The Astrophysical Journal* (ApJ) is the foremost astronomical and astrophysical research journal in the world. Published for the American Astronomical Society by IOP Publishing, ApJ is devoted to disseminating original research on recent developments, discoveries and theories not previously published in astronomy and astrophysics.

This prestigious journal has been the first to report many of the classic discoveries of the 20th century and has also presented much of the important recent work on quasars, pulsars, neutron stars, black holes, solar and stellar magnetic fields, X-rays and interstellar matter.

ApJ has a long history of publishing papers on data and instruments that support astronomical observations and theory. These papers represent essential research for anyone working in the fields of astronomy and astrophysics.

#### **Online archive**

Rolling one-year archive available with journal subscription

#### Partner

American Astronomical Society







#### **AAS Editor-in-chief**

Ethan Vishniac, Johns Hopkins University, MD, USA

#### **Letters editor**

F Rasio, Northwestern University, IL, USA

The Astrophysical Journal Letters (ApJL) is an express scientific journal that allows astrophysicists to rapidly publish short notices of significant original research. ApJL articles are timely, high-impact, and broadly understandable.

#### **Online archive**

Rolling one-year archive available with journal subscription

#### Partner

American Astronomical Society





# The Astrophysical Journal Supplement Series

#### iopscience.org/apjs

# **Biofabrication**

#### iopscience.org/bf

AF PUERBHING	Volume
THE ASTROPHYSICAL JOURNAL	Frequency
SUPPLEMENT SERIES	Online ISSN
	CODEN
the state of	

Volume	246-251
Frequency	12
Online ISSN	1538-4365
CODEN	APJSA2

#### AAS Editor-in-chief

Ethan Vishniac, Johns Hopkins University, MD, USA

The Astrophysical Journal Supplement Series (ApJS) publishes significant articles containing extensive data or calculations. ApJS also supports Special Issues, collections of thematically related papers published simultaneously in a single volume.

#### **Online archive**

Rolling one-year archive available with journal subscription

#### Partner

American Astronomical Society



# BiofabricationVolume12Frequency4Online ISSN1758-5090CODENBIOFFN

#### Editor-in-chief

Wei Sun, Drexel University, PA, USA, and Tsinghua University, Beijing, China

*Biofabrication* (BF) is the first peer-reviewed journal to focus on research and development of biomanufacturing processes, modelling and design.

Biofabrication publishes research on the use of cells, proteins, biological materials and biomaterials as building blocks to manufacture biological systems and/or therapeutic products. BF is the leading journal in bioprinting and a highly respected resource for engineers, biologists and medical researchers all over the world.

BF publishes articles covering a range of research topics from this important and rapidly developing field, including:

- cell, tissue and organ printing, patterning and assembly
- biofabricated cell/biological material integrated systems and medical devices
- cell-laden micro-fluidic devices
- cell/tissue/organ-on-a-chip
- novel 3D tissue scaffold fabrication
- · modelling of the biofabrication processes and biofabricated constructs
- protein/biomolecules printing, patterning and assembly
- integrated bio- and micro/nano-fabrication

#### **Online archive**

2010-2020 available free with journal subscription





# **Bioinspiration & Biomimetics**

#### iopscience.org/bb

OINSPIRATION BIOMIMETICS	Volume	15
Larring free safers	Frequency	6
	Online ISSN	1748-3190
+ + +	CODEN	BBIICI
Advancements Research of the second		

#### **Editor-in-chief**

Robert J Full, University of California, Berkeley, USA

Bioinspiration & Biomimetics<sup>™</sup> (BB) has two principal aims: to draw from biology to enrich engineering and to draw from engineering to enrich biology. The journal communicates research focusing on the principles and functions found in biological systems that have been developed through evolution, and application of this knowledge to produce novel and exciting basic technologies as well as new approaches to solving scientific problems.

BB provides a forum for interdisciplinary research from across the biological and physical sciences, including:

- · bioinspired robotics
- systems, designs and structure
- communication and navigation
- · co-operative behaviour
- self-organising biological systems
- self-healing and self-assembly
- aerial locomotion and aerospace applications of biomimetics
- · biomorphic surface and subsurface systems
- marine dynamics: swimming and underwater dynamics
- biomechanics: movement, locomotion and fluidics
- cellular behaviour
- sensors and senses
- biomimetic or bioinformed approaches to geological exploration

#### **Online archive**

2010–2020 available free with journal subscription 2006–2009 available in the IOP Journal Archive



# BIOMEDICAL<br/>MATERIALSVolume15Frequency6Online ISSN1748-605XCODENBMBUCS

#### Editor-in-chief

Myron Spector, Harvard Medical School, VA Boston Healthcare System, MA, USA

#### **Associate editor**

JY Wong, Boston University, MA, USA

*Biomedical Materials*<sup>™</sup> (BMM) publishes articles on advances in biomaterials that contribute to the research community's knowledge of the composition, properties and performance of materials for tissue engineering and regenerative medicine.

With a diverse readership drawn from the biomedical and tissue engineering, materials and biomaterials, biochemistry, pharmacology, and medicine communities, this specialised journal delivers a combination of Topical Reviews, Special Issue articles, Notes and Editorials covering a diverse range of topics, including:

- synthesis/characterisation of biomedical materials
- in vitro/in vivo performance of biomedical materials
- nature-inspired synthesis and biomineralisation
- · tissue engineering/regenerative medicine applications
- interaction of molecules/cells with materials
- · effects of biomaterials on stem-cell behaviour
- · growth factors/genes incorporated into biomaterials

#### **Online archive**

2010–2020 available free with journal subscription 2006–2009 available in the IOP Journal Archive



#### iopscience.org/bmm

**Biomedical Materials** 

# Biomedical Physics & Engineering Express

#### iopscience.org/bpex

ineering	Volume	6
	Frequency	6
-31	Online ISSN	2057-1976
	CODEN	BPEEAE

#### Editor-in-chief

R Jeraj, University of Wisconsin, WI, USA

#### **Deputy editors**

- María-Ester Brandan, National Autonomous University of Mexico, Mexico
- Thorsten Wohland, National University of Singapore, Singapore
- · Philip Langley, University of Hull, UK

Launched in 2015, *Biomedical Physics & Engineering Express*<sup>™</sup> (BPEX) is an inclusive, international, multidisciplinary journal devoted to publishing new research on any application of physics and/or engineering in medicine and/or biology. The journal covers three key independent, yet complementary scientific areas at the intersection of physics, engineering, medicine and biology. All areas of biomedical engineering, biophysics and medical physics are covered, with a special emphasis on the interdisciplinary work within these areas to help promote crossover research.

#### **Online archive**

2015-2020 available free with journal subscription

#### Endorsed by

Institute of Physics and Engineering in Medicine (IPEM)

PEM



# Volume29Frequency12Online ISSN2058-3834Print ISSN1674-1056CODENCPBHAJ

#### Editor-in-chief

ZC Ouyang, Institute of Theoretical Physics, Chinese Academy of Sciences, Beijing, China

Widely recognised as one of China's top journals, *Chinese Physics B* (CPB) continues to publish research papers in all areas of theoretical and applied physics, with the exception of nuclear physics and the physics of elementary particles and fields, reflecting the high quality and wide scope of Chinese research.

The journal's broad focus makes it an important source of current research in physics, materials, mechanics and engineering.

CPB's scope includes many areas of high-interest physics research:

- · condensed matter and materials physics
- atomic, molecular and optical physics
- · statistical, nonlinear and soft-matter physics
- · plasma physics
- · interdisciplinary physics

#### **Online archive**

2010–2020 available free with journal subscription 1992–2009 available in the IOP Journal Archive

#### Partner

**Chinese Physical Society** 





# **Chinese Physics B**

#### iopscience.org/cpb

# Chinese Physics C

#### iopscience.org/cpc

Chinese	Physics	l etters
01111626	LIN2102	LCIICI 3

V.1 ....

#### iopscience.org/cpl

Chinese Physics C High Energy and Nuclear Physics	Volume	44
	Frequency	12
American Antonio Antonio America America and America	Online ISSN	2058-6132
	Print ISSN	1674-1137
	CODEN	CPCHCQ
ing has been		

#### Editor-in-chief

YF Wang, Institute of High-Energy Physics, Chinese Academy of Sciences, Beijing, China

*Chinese Physics C* (CPC) was founded in 1977 and covers theory, experiments and applications in the fields of particle physics, nuclear physics, astrophysics and cosmology.

The journal publishes the latest developments and achievements in the theory, experiment and applications of:

- particle physics
- nuclear physics
- particle and nuclear astrophysics
- cosmology

The journal publishes original research papers, letters and reviews. The letters section covers short reports on the latest important scientific results, published as quickly as possible. Such breakthrough research articles have very high priority for publication. High-quality research papers and rapid communications published in CPC, such as the latest Atomic Mass Evaluation (AME), make it a key resource for researchers in high-energy and nuclear physics.

#### **Online archive**

2010-2020 available free with journal subscription

#### **Partners**

- Chinese Physical Society
- Institute of High Energy Physics, Chinese Academy of Sciences
- Institute of Modern Physics, Chinese Academy of Sciences



40 100 40, 400 31, 31	voluitie	51
Chinese Physics	Frequency	12
Letters	Online ISSN	1741-3540
alana a	Print ISSN	0256-307X
	CODEN	CPLEEU

#### Editor-in-chief

BF Zhu, Tsinghua University, Beijing, China

*Chinese Physics Letters* (CPL) attracts a growing, international readership, which strengthens the journal's coverage of major advances in all aspects of physics.

Letters are an increasingly important aspect of international research. CPL fulfils this requirement as the flagship letter journal of the Chinese Physical Society.

The journal publishes "Express Letters", dedicated to the rapid publication and dissemination of latest novel and significant research from leading Chinese physicists.

#### **Online archive**

2010–2020 available free with journal subscription 1984–2009 available in the IOP Journal Archive

#### Partner

Chinese Physical Society



27

IMPACT FACTOR 1.066



# **Classical and Quantum Gravity**

#### iopscience.org/cqg

# Communications in **Theoretical Physics**

#### iopscience.org/ctp

Classical and Quantum Gravity	Volume	37
quantum anality	Frequency	24
Second JK, Namber I. 18 January 2018 A stransford proceed of antidates strates, manage generation data times	Online ISSN	1361-6382
	Print ISSN	0264-9381
	CODEN	CQGRDG
antines of the		

#### Editor-in-chief

Gabriela González, Louisiana State University, USA

As the world's leading gravitational physics journal, Classical and Ouantum Gravitv<sup>™</sup> (COG) is widely read and well cited thanks to its focus on the highest-quality research. COG is a popular choice among physicists, mathematicians and cosmologists in the fields of gravitation and the theory of space-time, and is valued by both theorists and experimentalists.

COG subscribers have access to high-quality papers on many subjects. including:

- classical general relativity
- applications of relativity
- · experimental gravitation, including gravitational waves
- · cosmology and the early universe
- quantum gravity
- supergravity, superstrings and supersymmetry
- mathematical physics

In addition to regular research papers, CQG also publishes Topical Reviews and solicits articles for Focus Issues on high-interest subjects, resulting in an overview of the most interesting research in this field. The findings are placed in the wider context of gravitational physics, a significant added benefit for any reader. Additionally, CQG welcomes a variety of other article types including Letters, Comments, Brief Reviews and Notes.

#### **Online archive**

2010-2020 available free with journal subscription 1984-2009 available in the IOP Journal Archive



Communications in Theoretical Physics	Volume	72
	Frequency	12
And an area of the Annual Annua	Online ISSN	1572-9494
	Print ISSN	0253-6102
	CODEN	CTPHDI

#### Chief editor

CP Sun, Graduate School of China Academy of Engineering Physics (GSCAEP) & Beijing Computational Science Research Center (CSRC), Beijing 100193, China

Communications in Theoretical Physics (CTP) reports new developments in theoretical physics, including:

- mathematical physics
- guantum physics and guantum information
- particle physics and quantum field theory
- nuclear physics
- gravitation theory, astrophysics and cosmology
- atomic, molecular, optical (AMO) and plasma physics, chemical physics
- · statistical physics, soft matter and biophysics
- · condensed matter theory

Interdisciplinary areas such as biophysics, mathematical physics and computational physics are also covered by CTP.

In addition to original research articles, letters, research notes and rapid communications, CTP also publishes review articles. All article submissions, peer review and production - from acceptance to publication - are supported by the Institute of Theoretical Physics, Chinese Academy of Sciences.

#### **Online archive**

2010-2020 available free with journal subscription 1982-2009 available in the IOP Journal Archive

#### **Partners**

- Chinese Physical Society
- Institute of Theoretical Physics, Chinese Academy of Sciences

IMPACT FACTOR

# ECS Journal of Solid State Science and Technology

### iopscience.org/jss

# **Electronic Structure**

#### iopscience.org/est



#### **Editor-in-chief**

Krishnan Rajeshwar, University of Texas at Arlington, USA

ECS Journal of Solid State Science and Technology (JSS) was launched in 2012, and is published by IOP Publishing on behalf of The Electrochemical Society. The journal publishes outstanding research covering fundamental and applied areas of solid state science and technology, including experimental and theoretical aspects of the chemistry and physics of materials and devices.

JSS has five topical interest areas:

- carbon nanostructures and devices
- dielectric science and materials
- electronic materials and processing
- electronic and photonic devices and systems
- luminescence and display materials, devices and processing

#### **Online archive**

While a subscription is current, a subscribing institution will have access to all of the available backfile as well as content from the current subscription year

#### Partner

The Electrochemical Society







#### Editors-in-chief

9

12

2162-8777

EJSSBG

- Risto Nieminen, Aalto University, Finland
- Bert de Jong, Lawrence Berkeley National Laboratory, USA

*Electronic Structure*<sup>™</sup> (EST) is a new multidisciplinary journal covering all theoretical and experimental aspects of electronic structure research, including the development of new methods. EST is the first journal dedicated to serving the entire electronic structure community, spanning materials science, physics, chemistry and biology.

As well as original research papers, EST offers authoritative topical reviews, invited focus collections, and technical notes. Technical notes must demonstrate a new computational or experimental methodology, or an improvement to existing methods, with proof of application.

The journal provides rapid in-house peer review and offers hybrid open access, compliant with all major funding bodies.

#### **Online archive**

2019–2020 freely available at iopscience.org/est



# Engineering Research Express

#### iopscience.org/erx

# Environmental Research Communications

#### iopscience.org/erc

ngineering Research kpress	Volume	2
18000 og 191	Frequency	4
	Online ISSN	2631-8695
	CODEN	ERENBL

#### Editor-in-chief

Sere Construction

Jingyan Dong, North Carolina State University, USA

Engineering Research Express<sup>™</sup> (ERX) is a broad, multidisciplinary journal devoted to publishing new experimental and theoretical research covering topics extending across all areas of engineering science including interdisciplinary fields. The journal is committed to fast review and operates a transparent editorial selection and feedback process focused on the scientific rigour of the work, rather than its perceived impact or novelty. The journal is characterized by article-length flexibility and a fast-track peer-review process.

Topics of particular interest include:

- electrical engineering including control engineering, quantum engineering, electronic engineering, optical engineering, power engineering, robotics and semiconductor engineering
- mechanical engineering including aeronautical engineering, automotive engineering, materials engineering and vacuum engineering
- civil engineering including environmental engineering, hydraulic engineering, ocean and geographical engineering, and structural engineering
- chemical engineering including bioengineering, food science, chemical synthesis and refining, and microfabrication





2
12
2515-7620
ERCNCC

#### **Senior advisory panel**

- Qingyun Duan, Beijing Normal University, People's Republic of China
- Weijun Gao, Kitakyushu University, Japan
- Pavel Groisman, North Carolina State University, USA
- Rosamond Naylor, Stanford University, USA
- Paul Palmer, University of Edinburgh, UK
- G Arturo Sanchez-Azofeifa, University of Alberta, Canada
- Wilfried Winiwarter, International Institute for Applied Systems Analysis, Austria

*Environmental Research Communications*<sup>™</sup> (ERC) is a new open access journal for the publication of high-quality research in all areas of environmental research.

The journal does not make a subjective assessment on the potential future significance of a paper, instead it provides a rapid platform for communicating research that meets high standards of scientific rigour and contributes to the development of our knowledge of the environment.

All environment-related research is in scope, including interdisciplinary and multidisciplinary studies. All types of results can be published, provided they contribute to advancing knowledge in their field, including incremental studies, negative results, null results, case studies, local research and replication studies.

The journal is fully open access and all articles are published under a CC BY 3.0 licence, permitting the widest possible dissemination and reuse of an author's research.

#### Online archive

2019–2020 freely available at iopscience.org/erc



# **Environmental Research Letters**

#### erl.iop.org

ERL	Volume
elana	Freque
A MARKA	Online
	CODEN
19.7	
All the state of the	

12
9326
RLNAL

#### **Editor-in-chief**

D M Kammen, University of California, Berkeley, CA, USA

*Environmental Research Letters*<sup>™</sup> (ERL) is published under the gold open access model and offers authors the option to publish raw data alongside their articles as supplementary data, providing free access to this data for all researchers.

ERL is the meeting place for the research and policy communities concerned with environmental change and management. The journal covers all of environmental science; its coherent and integrated approach includes research letters, review articles, perspectives and editorials. ERL communicates new results and findings that merit rapid publication. The journal's coverage reflects the interdisciplinary nature of environmental science and the wide range of contributions to the development of methods, tools and evaluation strategies relevant to the field.

ERL's diverse scope ranges from physical and natural sciences to economics, political, sociological and legal studies, including:

- biodiversity
- · biogeochemical cycles
- climate
- energy
- · environmental health, risk assessment, policy and law
- pollution
- natural resources, water, food

Cover image, top left: Inspired by Ariel Miara et al 2013 Environ. Res. Lett. 8 025017 and Robert J Stewart et al 2013 Environ. Res. Lett. 8 025010. Artwork by Milicia Jevtic, CUNY Environmental CrossRoads Initiative. Figure previously published in Ariel Miara and Charles J Vörösmarty 2013 Environ. Sci.: Processes Impacts 15 1113.

#### **Online archive**

2006-2020 freely available at erl.iop.org



### EPL

#### www.epljournal.org

Autors Joseph Dours	Volume	129–132
epi	Frequency	24
<u></u>	Online ISSN	1286-4854
	CODEN	EPLAC4

#### Editor-in-chief

Bart van Tiggelen, Université Grenoble, CNRS, Grenoble, France

EPL (formerly *Europhysics Letters*) has been in constant publication since its creation in 1986 from the merger of *Journal de Physique Lettres* with *Lettere al Nuovo Cimento*.

A Letters journal serving all areas of physics and its related fields, EPL publishes the highest quality research from around the world, and provides authors with fast, fair and constructive peer review thanks to an Editorial Board of active scientists, who are experts in their respective fields.

Over 24 online issues per year, EPL publications are focused on novel, scientifically significant, developing areas of science. This is exemplified by the journal's series of Focus Issues, which have included Self-assemblies of Inorganic and Organic Nanomaterials, Evolutionary Modeling and Experimental Evolution, and Quantum Engineering.

EPL enjoys the benefits of international partnership. It is co-managed by scientists for the international scientific community, and published under the scientific policy and control of the European Physical Society by EDP Sciences, IOP Publishing and Società Italiana di Fisica for a partnership of 17 European physical societies (the EPL Association).

#### Online archive

• EDP Sciences

2010–2020 available free with journal subscription 1986–2009 available in the IOP Journal Archive

IMPACT FACTOR

#### **Partners**

• European Physical Society

Società Italiana di Fisica





## **European Journal of Physics**

#### iopscience.org/ejp

pean Journal vsics	Volume	41
eactions in university level education	Frequency	6
Antine 1 January 2009	Online ISSN	1361-6404
	Print ISSN	0143-0807
	CODEN	EJPHD4

#### **Editor-in-chief**

M Vollmer, University of Applied Sciences, Brandenburg, Germany

With a worldwide readership and authors from every continent, *European Journal of Physics* (EJP) is a truly international journal dedicated to maintaining and improving the standard of taught physics in universities and other higher education institutes.

Examples of the wide-ranging EJP content include; original physics education research and examples of how this research can inform the teaching and learning of physics at university level; original insights into the derivation of results; descriptions of novel laboratory exercises; descriptions of successful and original student projects (whether experimental, theoretical or computational); reviews of contemporary physics at a level accessible to physics students and teachers.

EJP is a place for teachers, instructors and professors to share their experiences and views on teaching physics at university level. It is an essential point of reference for anyone involved in physics education, including teacher trainers in physics, engineering and education departments. It produces resources for colleges and universities, companies with an education programme, government-funded bodies and government-funding departments.

#### **Online archive**

2010–2020 available free with journal subscription 1980–2009 available in the IOP Journal Archive

#### Partner

**European Physical Society** 



# Flexible and Printed Electronics

#### iopscience.org/fpe

Electron	ics
Summing the	
	1000 2190

	Volume	5
	Frequency	4
	Online ISSN	2058-8585
	CODEN	FPELAB
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		

#### **Editor-in-chief**

Ronald Österbacka, Åbo Akademi University, Finland

Launched in 2015, *Flexible and Printed Electronics*<sup>™</sup> (FPE) is a multidisciplinary journal devoted to publishing cutting-edge research across all aspects of printed, plastic, flexible, stretchable and conformable electronics.

Uniquely bridging fundamental science and novel applications, the scope and characteristics of FPE have been shaped to meet the demands of researchers based in both academia and industry, working across this rapidly developing field. The journal's aim is to serve as a unique international forum that brings together both fundamental science and novel technological applications to advance progress in the field.

FPE publishes timely research articles of the highest scientific quality, on the following subjects:

- materials and devices for stretchable electronics and conformal biointerfaces
- printed materials, ink formulations and rheology and printing systems
- device physics, device mechanics and engineering
- circuit and system design
- · advanced fabrication methods and metrology
- · printing of biological systems interfaced to electronic devices
- mechanical, thermal and electronic modelling of flexible hybrid electronic systems and components
- applications including displays, lighting, sensors and actuators, bioelectronics, medical electronics, photovoltaics, energy harvesting and storage, RF electronics, smart packaging and IoT devices/systems

#### **Online archive**

2016-2020 available free with journal subscription

ELECTRONIC Only

# Fluid Dynamics Research

#### iopscience.org/fdr

# Functional Composites and Structures

iopscience.org/fcs



Volume	52
Frequency	6
Online ISSN	1873-7005
CODEN	FDRSEH

#### Editor-in-chief

Yasuhide Fukumoto, Institute of Mathematics for Industry, Kyushu University, Japan

*Fluid Dynamics Research* (FDR) is published on behalf of The Japan Society of Fluid Mechanics. This international journal caters for researchers in all areas of fluid dynamics, including: aerodynamics, nano-fluids, fluid motion or modelling, turbulence, waves, rogue waves, vortices, bifurcation, bubbles, gas–liquid boundaries and computational fluid dynamics.

FDR's scope includes theoretical, numerical and experimental studies that contribute to the fundamental understanding and/or application of fluid phenomena. The journal's broad coverage features invited reviews and original papers on topical subjects by leading researchers in this interdisciplinary field.

Each year, FDR's Editorial Board selects an outstanding article published in the previous year to be awarded the FDR Prize. This article must contain rigorous scientific work, be highly novel, exhibit a significant advancement to the field and, above all, be an extremely interesting read.

#### **Online archive**

2010–2020 available free with journal subscription 1986–2009 available in the IOP Journal Archive

#### Partner

The Japan Society of Fluid Mechanics

IMPACT FACTOR





#### Editor-in-chief

Woong-Ryeol Yu, Seoul National University, Seoul, Korea

Launched for 2019, *Functional Composites and Structures* (FCS) is an international journal co-owned by the Korean Society for Composite Materials (KSCM) and IOP Publishing.

Functional composites and structures are essential to the creation of next-generation technologies and cultures in the fourth industrial revolution. Advances in this area will promote human welfare by overcoming global energy and environmental crises and climate change. In addition, new knowledge in this field will facilitate innovative advancements in living necessities, mobile devices, sporting goods, transportation (land, marine, and aerospace), energy and environmental applications, and will aid in the creation of a variety of new competitive industries.

This journal will support the development of these important fields and provides authors with a home for the functional aspects of composite materials research.

For the first two year's of publication, all articles published in FCS will be free to access.

#### **Online archive**

2019-2020 freely available at iopscience.org/fcs

#### Co-owned by

- Korean Society for Composite Materials
- IOP Publishing

KSCM IOP Publishing



# International Journal of Extreme Manufacturing

#### iopscience.org/ijem

### **Inverse Problems**

#### iopscience.org/ip

ernational Journal of ktreme	Volume
	Frequency
Contraction of the	Online ISSN
	CODEN

#### **Editors-in-chief**

- Dongming Guo, Dalian University of Technology, People's Republic of China
- Yongfeng Lu, University of Nebraska-Lincoln, USA

The International Journal of Extreme Manufacturing is a new multidisciplinary journal uniquely covering the areas related to extreme manufacturing. Extreme manufacturing is specifically manifested in manufacturing with extremely high-energy density, ultrahigh precision, extremely small spatial and temporal scales, extremely intensive fields, and giant systems with extreme complexity and number of factors.

The journal is devoted to publishing original research of the highest quality and impact in the area, ranging from fundamentals to process, metrology, conditions, environments, and system integration. Topics of interest, but not limited to:

- · material interactions with energy beams and fields
- approaches and theories of processing
- metrology and characterization
- equipment and systems
- · extreme conditions

#### **Online archive**

2019-2020 freely available at iopscience.org/ijem

#### **Partners**

- Institute of Machinery Manufacturing Technology, China Academy of Engineering Physics
- Dalian University of Technology
- Fudan University
- Research Center of Laser Fusion, China Academy of Engineering
  Physics



Inverse Problems	Volume	36
	Frequency	12
Weiger 20 Weiter 1 January 2019 An Universitäriset january an The Theory and presitive of Heners presitions, theory and Hener and The original End Henershell of Ada	Online ISSN	1361-6420
	Print ISSN	0266-5611
	CODEN	INPEEY

#### Editor-in-chief

2 4

2631-7990 IJEMKF

S R Arridge, University College London, UK

*Inverse Problems*<sup>™</sup> (IP) is an interdisciplinary journal that combines mathematical and experimental papers on inverse problems with numerical and practical approaches to their solution. IP is a key resource for mathematicians, physicists, engineers and scientists working in:

- · geophysics
- radar
- optics
- biology
- acoustics
- communication theory
- signal processing
- medical imaging
- inverse-scattering techniques
- object identification

The journal's scope includes original contributions to methods of solving mathematical, physical and applied problems. All papers published in IP meet the highest standards of scientific quality, contain significant and original new science, and present substantial advancement in the field. IP ensures that all authors provide sufficient introductory material to appeal to its broad readership and that articles that are not explicitly applied include a discussion of possible applications.

For those looking for further exploration of particular topics, IP regularly publishes thematic Special Issues that focus on research in key and emerging areas.

#### **Online archive**

2010–2020 available free with journal subscription 1985–2009 available in the IOP Journal Archive

IMPACT FACTOR 1.858

### Izvestiya: Mathematics

#### iopscience.org/im

	IZVESTIYA	Volume	84
	MATHEMATICS	Frequency	6
	Volume 21 Number 1 Not	Online ISSN	1468-4810
ſ	And a second second	Print ISSN	1064-5632
	ИЗВЕСТИЯ РАН Серия Математическая		

#### Editor-in-chief

V V Kozlov, V A Steklov Mathematical Institute, Russian Academy of Sciences, Moscow, Russia

#### **Deputy editor**

A G Sergeev, V A Steklov Mathematical Institute, Russian Academy of Sciences, Moscow, Russia

*Izvestiya: Mathematics* (IM) is the English edition of the Russian bimonthly journal *Izvestiya Rossiiskoi Akademii Nauk, Seriya Matematicheskaya*, which was founded in 1937.

The journal publishes only original research papers containing full results. Whilst the coverage spans all fields of mathematics, special attention is given to general algebra, mathematical logic, mathematical analysis, geometry, topology and differential equations.

The original Russian version is reproduced in English in less than three weeks, allowing researchers to access the latest research promptly.

#### **Online archive**

1967–2020 available free with journal subscription 1967–2007 available in Turpion's Historic Archive: Turpion offers the option to acquire perpetual rights of Turpion journals content for a one-time purchase. Since 2008, electronic access back to the first English translation volume has been hosted by IOP Publishing at **iopscience.org/im** 



- Russian Academy of Sciences
- London Mathematical Society



APPLIED	Volume	59
PHYSICS Material Restored in State	Frequency	12 + 16 special issues
	Online ISSN	1347-4065
JJAP	Print ISSN	0021-4922
	CODEN	JJAPB6
🖉 fea baar beara at badra france. 🗤 faaraaag		

#### **Chief executive editor**

Kouichi Ono, Kyoto University/Osaka University, Japan

#### Editor-in-chief

Takuji Takahashi, University of Tokyo, Japan

The Japanese Journal of Applied Physics (JJAP) is an international journal published by IOP Publishing on behalf of The Japan Society of Applied Physics for the advancement and dissemination of knowledge in all fields of applied physics.

The journal publishes articles dealing with the applications of physical principles, as well as articles concerning the understanding of physics that have particular applications in mind. Articles in interdisciplinary areas with potential technological implications are strongly encouraged. From 2018, the subject of physics-based circuits and systems has been included in the scope of the journal.

JJAP includes Regular Papers, Rapid Communications, Brief Notes and Review Papers. In addition, several Special Issues are published each year. These contain research articles presented at international conferences that have been peer-reviewed in accordance with the usual JJAP criteria.

There is also a special section, "Selected Topics in Applied Physics", which highlights specific topics and features rapidly developing current trends in these areas.



1962-2020

#### Partner

The Japan Society of Applied Physics





# Journal of Breath Research

#### iopscience.org/jbr

# Journal of Cosmology and Astroparticle Physics

#### iopscience.org/jcap

JOURNAL OF	Volume	14
RESEARCH	Frequency	4
	Online ISSN	1752-7163
	CODEN	JBROBW

#### Editor-in-chief

Joachim D Pleil, US Environmental Protection Agency, Research Triangle Park and University of North Carolina, Chapel Hill, NC, USA

#### **Associate editors**

- J Beauchamp, Fraunhofer IVV, Freising, Germany
- R Dweik, Cleveland Clinic, OH, USA
- T H Risby, The Johns Hopkins University, Baltimore, MD, USA

Journal of Breath Research<sup>™</sup> (JBR) is dedicated to all aspects of scientific breath research. The traditional focus is on analysis of volatile compounds and aerosols in exhaled breath for the investigation of exogenous exposures, metabolism, toxicology, health status and the diagnosis of disease and breath odours. The journal also welcomes other breathrelated topics.

Typical areas of interest include:

- big laboratory instrumentation for breath research
- engineering solutions: developing new breath sampling technologies
- human and animal *in vivo* studies: decoding the "breath exposome"
- cellular respiration
- breath-based clinical, pharmacological and forensic applications
- mathematical, statistical and graphical data interpretation

JBR is the Official Journal of the International Association for Breath Research (IABR).

#### **Online archive**

2010–2020 available free with journal subscription 2007–2009 available in the IOP Journal Archive





#### **Scientific director**

Viatcheslav Mukhanov, Arnold Sommerfeld Center for Theoretical Physics, Munich, Germany

Journal of Cosmology and Astroparticle Physics (JCAP) is an electroniconly journal jointly owned and published by the International School for Advanced Studies (SISSA) and IOP Publishing. Highly cited, JCAP covers all aspects of cosmology and particle astrophysics, and encompasses theoretical, observational and experimental areas as well as computation and simulation.

JCAP covers all aspects of cosmology and particle astrophysics including:

- CMBR
- cosmic rays
- dark matter
- magnetic fields and plasma
- neutrinos
- particles and cosmology
- Galaxies
- large-scale structure of the universe

JCAP has an access-and-usage policy based on affordable and reasonable pricing for both authors and libraries.

#### **Online archive**

2010–2020 available free with journal subscription 2003–2009 available in the IOP Journal Archive

#### Partner

International School for Advanced Studies (SISSA)





# Journal of Instrumentation

#### iopscience.org/jinst

# Journal of Micromechanics and Microengineering

#### iopscience.org/jmm



Volume	15
Online ISSN	1748-0221
CODEN	JIONAS

#### **Scientific director**

Marzio Nessi, CERN, Geneva, Switzerland

*Journal of Instrumentation* (JINST) is a multidisciplinary, electronic-only journal, created jointly by the International School for Advanced Studies (SISSA) and IOP Publishing.

JINST specialises in papers related to concepts and instrumentation in:

- radiation-detector physics
- accelerator science
- associated experimental methods and techniques, theory, modelling and simulations

JINST provides regular Technical Reports on innovative achievements related to topics covered in the journal's scope. The emphasis is not necessarily on novelty or on scientific value, but rather on relevance to the community.

JINST is of particular interest to scientists focusing on physics instrumentation – especially experimental physics research groups.

The Advisory and Editorial Boards – composed of distinguished scientists in the field – jointly establish the journal's scientific policy and ensure the scientific quality of accepted papers.

#### **Online archive**

2010–2020 available free with journal subscription 2006–2009 available in the IOP Journal Archive

#### Partner

International School for Advanced Studies (SISSA)





#### Editor-in-chief

Professor Weileun Fang, National Tsing Hua University, Taiwan

A leading journal in its field, *Journal of Micromechanics and Microengineering*<sup>™</sup> (JMM) covers all aspects of microelectromechanical structures, devices and systems, as well as micromechanics and micromechatronics.

JMM focuses on original work in fabrication and integration technologies, and aims to highlight the link between new fabrication technologies and their capacity to create novel devices.

The journal's scope includes original work in microengineering and nanoengineering, spanning the physical, chemical, electrical and biological realms, as well as new fabrication and integration techniques for both silicon and non-silicon materials.

The fastest peer review in its sector combined with its rejection rate of 60% makes JMM a key resource for:

- electrical, biological and mechanical engineering
- physics
- chemistry
- materials
- biochemistry and medicine

#### **Online archive**

2010–2020 available free with journal subscription 1991–2009 available in the IOP Journal Archive



# Journal of Neural Engineering

#### iopscience.org/jne

### **Journal of Optics**

#### iopscience.org/jopt

DURNAL OF	Volume	17
GINEERING	Frequency	6
80	Online ISSN	1741-2552
	CODEN	JNEIEZ
The second secon		

#### Editor-in-chief

EN

Dominique M Durand, Case Western Reserve University, OH, USA

Researchers working in biomedical engineering, neuroscience, neurobiology and neurology will find this journal an essential point of reference. The scope of *Journal of Neural Engineering*<sup>™</sup> (JNE) encompasses experimental, computational, theoretical, clinical and applied aspects of topics such as:

- brain-machine (computer) interfaces
- neuromodulation
- neural prostheses
- neuroimaging
- neuro-rehabilitation
- optical neural engineering
- neural tissue regeneration
- neural signal processing

As part of IOP Publishing's commitment to ensure that publishing in our journals is as easy as possible, JNE uploads final, accepted manuscripts for NIH-funded papers to PubMed Central automatically, unless an author requests otherwise.

#### **Online archive**

2010–2020 available free with journal subscription 2004–2009 available in the IOP Journal Archive



Volume	22
Frequency	12
Online ISSN	2040-8986
Print ISSN	2040-8978
CODEN	JOOPCA
	Volume Frequency Online ISSN Print ISSN CODEN

#### Editor-in-chief

N I Zheludev, University of Southampton, UK, and Nanyang Technological University, Singapore

Journal of Optics<sup>™</sup> (JOPT) publishes work of relevance to the optics community, including experimental and theoretical research on all aspects of modern and classical optics. JOPT publishes research in 10 sections: each section is managed by world-renowned topical editors:

- nanophotonics and plasmonics
- · metamaterials and structured photonic materials
- quantum photonics
- biophotonics
- light-matter interactions
- nonlinear and ultrafast optics
- propagation, diffraction and scattering
- information and communication optics
- integrated photonics
- · photovoltaics and energy harvesting

Besides regular papers, JOPT publishes a select number of special issues and a variety of other article types. Letters give the community prompt access to particularly timely and significant research. Topical Reviews, commissioned by the Editorial Board, present a snapshot of recent progress in a particular field, and Roadmaps an outlook on current and future challenges and emerging technologies in high-interest areas of optics. All JOPT articles can also be read as enhanced-article HTML – perfect for researchers using tablets or smartphones.

#### **Online archive**

2010–2020 available free with journal subscription 2003–2009 under the previous name of *Journal of Optics A: Pure and Applied Optics* 1970–2009 available in the IOP Journal Archive (under previous names)



# Journal of Physics A: Mathematical and Theoretical

#### iopscience.org/jphysa

Volume	53
Frequency	50
Online ISSN	1751-8121
Print ISSN	1751-8113
CODEN	JPAMB5
	Volume Frequency Online ISSN Print ISSN CODEN

#### Editor-in-chief

J A Minahan, Uppsala University, Sweden

Journal of Physics A: Mathematical and Theoretical<sup>™</sup> (JPhysA) is a key resource for those who are interested in the mathematical structures that describe fundamental processes of the physical world, and the analytical, computational and numerical methods for exploring these structures. Researchers can access a mix of regular papers, reviews, comments and special issues across seven key research areas:

- statistical physics: nonequilibrium systems, computational methods and modern equilibrium theory
- mathematical physics
- quantum mechanics and quantum information theory
- field theory and string theory
- · nonlinear physics and waves
- biological modelling

JPhysA rapidly delivers high-quality, significant and original contributions in the arenas of mathematical and theoretical physics to a diverse readership. Outstanding short papers are made available quickly to the research community via the journal's Letters programme, with its dedicated Editorial Panel and special issues and topical reviews provide essential and timely overviews of high-interest topics.

#### **Online archive**

2010–2020 available free with journal subscription 1968–2009 available in the IOP Journal Archive



# Journal of Physics B: Atomic, Molecular and Optical Physics

#### iopscience.org/jphysb

Journal of Physics B	Volume	53
and Optical Physics	Frequency	24
Section 12 Austral 1 Harvey 2021 Section wave An endpower and a section of multi-party and a section of the section of the section in the section of the section of the section of the section in the section of th	Online ISSN	1361-6455
	Print ISSN	0953-4075
	CODEN	JPAPEH

#### Editor-in-chief

Marc Vrakking, Max Born Institute for Nonlinear Optics and Short Pulse Spectroscopy, Berlin, Germany

Journal of Physics B: Atomic, Molecular and Optical Physics<sup>®</sup> (JPhysB) publishes significant and high-quality research in atomic, molecular and optical physics, in the following sections:

- atomic physics
- molecular and cluster structure, properties and dynamics
- atomic and molecular collisions
- cold matter
- optical and laser physics
- quantum science, applications and technologies
- ultrafast, high-field and X-ray physics
- astrophysics and plasma physics

In addition to original research papers, Topical Reviews and Special Issues, JPhysB offers readers a variety of article types:

- Letters: outstanding, concise articles, reporting important, new and timely developments
- Roadmaps: collegial articles providing an outlook on future challenges and emerging technologies in high-interest areas of AMO physics
- Tutorials: based on PhD theses or lecture series, these articles introduce newcomers to rapidly developing fields where textbooks are unavailable
- Invited Papers: commissioned by the Editorial Board, these articles mix review material with unpublished research, to give readers contextualisation for rapidly emerging topics
- Viewpoints: short commissioned editorials commenting on highinterest articles published in the journal

#### **Online archive**

2010–2020 available free with journal subscription 1968–2009 available in the IOP Journal Archive



# Journal of Physics Communications

#### iopscience.org/jpco

# Journal of Physics: Condensed Matter

#### iopscience.org/jpcm

Journal of Physics	Volume	4
Communications	Frequency	12
	Online ISSN	2399-6528
	CODEN	JPCOFP

#### Senior advisory panel

- Sarbajit Banerjee, Texas A&M University, College Station, TX, USA
- Sudesh Kumar Dhar, Tata Institute for Fundamental Research, India
- Ting Gao, Hebei Normal University, China
- Eugénie Hunsicker, Loughborough University, UK
- Kuijuan Jin, Institute of Physics, Chinese Academy of Sciences, China
- Wu-Ming Liu, Institute of Physics, Chinese Academy of Sciences, China
- Chang Hee Nam, IBS Center for Relativistic Laser Science, Gwangju Institute of Technology, Korea

Journal of Physics Communications<sup>™</sup> is an open access journal covering all branches of physics and related fields. The journal is committed to fast review and publication of high-quality science in all areas of physics, including interdisciplinary fields, and operates a transparent editorial selection and feedback process focused on scientific validity and rigour.

Journal of Physics Communications publishes high-quality research in all areas of physics. It builds on the strength and prestige of the Journal of Physics series, which celebrated 50 years of publishing. The journal does not make a subjective assessment on the potential future significance of a paper, instead providing a rapid platform for communicating research that meets high standards of scientific rigour and contributes to the development of knowledge in physics.

All physics-related research is in scope, including interdisciplinary and multidisciplinary studies. All types of results can be published, provided they contribute to advancing knowledge in their field, including negative results, null results and replication studies.

#### **Online archive**

2017-2020 available free at iopscience.org/jpco



Journal of Physics Condensed Matter	Volume	32
	Frequency	50
Notion 21 Roman 1 X January 2018 Network States Marken States Characteristics Marken States Marken States	Online ISSN	1361-648X
	Print ISSN	0953-8984
	CODEN	JCOMEL

#### **Editor-in-chief**

Gianfranco Pacchioni Universitá degli Studi di Milano-Bicocca, Italy

Journal of Physics: Condensed Matter<sup>™</sup> (JPCM), offers readers the latest research across all areas of condensed matter physics, including soft matter, nanoscience, chemical physics and biophysics.

Reporting experimental, theoretical and simulation studies, readers can also access JPCM's authoritative Topical Review programme, Letters and Special Issues in the areas of:

- surfaces and interfaces
- soft matter, biophysics and liquids
- physics of chemical processes
- nanostructures and nanoelectronics
- · structure, dynamics and phase transitions
- electronic structure
- · correlated electrons systems
- · physics of materials
- magnetism
- computational and experimental methods

#### **Online archive**

2010–2020 available free with journal subscription 1968–2009 available in the IOP Journal Archive (under previous journal names)



# Journal of Physics D: Applied Physics

#### iopscience.org/jphysd

# Journal of Physics G: Nuclear and Particle Physics

#### iopscience.org/jphysg

Journal of Physics D Applied Physics	Volume	53
	Frequency	50
Name of Annual Statistics (Compared Statistics) Name of Statistics Name of Statistics (Compared Statistics) Name of Statistics) Name of Statistics (Compared Statistics) Name of Statistics) Nam	Online ISSN	1361-6463
5	Print ISSN	0022-3727
	CODEN	JPAPBE

#### Editor-in-chief

Huiyun Liu, University College London, UK

Receiving more than one million downloads every year, *Journal of Physics D: Applied Physics*<sup>™</sup> (JPhysD) reports cutting-edge multidisciplinary research across all areas of applied physics and the transition of those findings into new and innovative technologies. Researchers can access a mix of regular Papers, Topical Reviews, Letters and Special Issues across six key research areas:

- applied magnetism
- semiconductors and photonics
- low-temperature plasmas
- condensed matter
- applied biophysics
- energy

The journal offers even more high-quality research, reviews and Special Issues and our highly popular Roadmaps that provide broad overviews of fields and emerging topics. JPhysD is recommended as a key resource for researchers working in physics, chemistry, materials, engineering and biophysics.

#### **Online archive**

2010–2020 available free with journal subscription 1950–2009 available in the IOP Journal Archive



Journal of Physics G Nuclear and Particle Physics	Volume	47
	Frequency	12
Volume 40. Number 1. January 2013 Tapitral Annies Nan Kola Kalanda Annieko at anieko manien kelt Na Kalanda I. I. Annijan ani 4. Kalangan kumati La Kanada I. K. Annijan ani 4. Kalangan kumati	Online ISSN	1361-6471
	Print ISSN	0954-3899
	CODEN	JPGPED

#### Editor-in-chief

Jacek Dobaczewski, University of York, UK, and University of Warsaw, Poland

Journal of Physics G: Nuclear and Particle Physics<sup>™</sup> (JPhysG) publishes theoretical and experimental articles covering nuclear physics, particle physics and nuclear/particle astrophysics, as well as the many areas where these subjects overlap. The journal publishes original, high-quality research articles on:

- theoretical and experimental topics in the physics of elementary particles and fields
- intermediate-energy physics and nuclear physics
- experimental and theoretical research in particle, neutrino and nuclear astrophysics
- research arising from all interface areas among these fields

In order to react to new developments and to highlight key accomplishments, new results and directions, JPhysG also presents research in a variety of flexible formats including:

- Topical Reviews that present specially commissioned review articles on areas of current interest
- Letters that enable prompt publication of high-profile research
- Focus Issues addressing a specific topic of interest that highlight the state of the art and promote new developments in the field, acting as a hub for the community

#### **Online archive**

2010–2020 available free with journal subscription 1975–2009 available in the IOP Journal Archive



# Journal of Radiological Protection

#### iopscience.org/jrp

Journal of	Volume	40
Radiological Protection	Frequency	4
	Online ISSN	1361-6498
fa halan fa fadagan Pantan Rahar y Withhong	Print ISSN	0952-4746
	CODEN	JRPREA

#### Editor-in-chief

R Wakeford, The University of Manchester, UK

As the official journal of The Society for Radiological Protection, *Journal* of *Radiological Protection* (JRP) is an essential and comprehensive title for all those involved with radiological protection in the medical, nuclear power and environmental industries.

The journal publishes primary research articles – as well as Topical Reviews, Practical Matter articles, Opinions, Memoranda and Letters to the Editor – across a wide range of topics, including:

- dosimetry
- instrument development
- specialised measuring techniques
- epidemiology
- biological effects (in vivo and in vitro)
- · risk and environmental-impact assessments

JRP is recommended reading for anyone involved with radiological protection, whether researching in academia, working in hospitals or in nuclear power, or monitoring environmental levels of radioactive materials.

#### **Online archive**

2010–2020 available free with journal subscription 1981–2009 available in the IOP Journal Archive

#### Partner

The Society for Radiological Protection





## Journal of Semiconductors

#### iopscience.org/jos

Journal of 100	Volume	41
Semiconductors	Frequency	12
	Online ISSN	2058-6140
	Print ISSN	1674-4926
	CODEN	JSOEB4
Concerning and the second s		

#### Editor-in-chief

SS Li, Institute of Semiconductors, Chinese Academy of Sciences, Beijing, China

*Journal of Semiconductors* (JOS) covers the latest achievements and developments in semiconductor physics, materials, devices, circuits and related technology.

The journal's broad scope includes the following areas at the forefront of semiconductor physics research:

- · physics, materials, and devices of conventional semiconductors
- organic and perovskite semiconductors based optoelectronic devices
- · optoelectronic devices and integration
- microelectronic devices and (integrated) circuits
- semiconductor spintronics
- flexible electronics
- semiconductors and new energy
- wide bandgap semiconductors
- semiconductor quantum devices and physics
- two-dimensional materials and related physics and devices

As an interdisciplinary title based on both physics and information science, JOS is a key resource for anyone with an interest in physics, electronics and engineering.

#### **Online archive**

2010-2020 available free with journal subscription

#### **Partners**

- Chinese Institute of Electronics
- Institute of Semiconductors, Chinese Academy of Sciences

# Journal of Statistical Mechanics: Theory and Experiment

#### iopscience.org/jstat

# Journal of the Electrochemical Society

iopscience.org/jes

J <b>STAT</b>	Volume
Theory and Experiment	Frequency
- Alexier	Online ISSN
	CODEN

#### Chief scientific director

M Mézard, LPTMS, CNRS et Université Paris Sud, France

#### **Scientific directorate**

- William Bialek, Princeton University, USA
- E Fradkin, University of Illinois at Urbana-Champaign, IL, USA
- M Marsili, ICTP, Trieste, Italy
- D Mukamel, Weizmann Institute of Science, Rehovot, Israel
- G Mussardo, SISSA, Trieste, Italy
- R Zecchina, Politecnico, Turin, Italy

*Journal of Statistical Mechanics: Theory and Experiment* (JSTAT) is published in partnership with the International School for Advanced Studies (SISSA).

The journal's scope covers topics that correspond to the following keyword sections:

- quantum statistical physics, condensed matter, integrable systems
- classical statistical mechanics, equilibrium and non-equilibrium
- disordered systems, classical and quantum
- interdisciplinary statistical mechanics
- biological modelling and information

#### **Online archive**

2010–2020 available free with journal subscription 2004–2009 available in the IOP Journal Archive

#### Partner

International School for Advanced Studies (SISSA)



	Volume	167
POBRAL OF THE ELECTROCHMICAL SOCIETY	Frequency	16
	Online ISSN	1945-7111
	CODEN	JESOAN
£	8	

#### Editor-in-chief

17 12

1742-5468 JSMTC6

Robert Savinell, Case Western Reserve University, USA

The *Journal of the Electrochemical Society* (JES) was launched in 1902 as the society's flagship journal, and is published by IOP Publishing on behalf of The Electrochemical Society. The journal publishes outstanding research covering fundamental and applied areas of electrochemistry, including experimental and theoretical aspects of electrodes, interfaces, and devices.

JES has eight topical interest areas:

- batteries and energy storage
- corrosion science and technology
- electrochemical/electroless deposition
- electrochemical engineering
- fuel cells, electrolyzers, and energy conversion
- organic and bioelectrochemistry
- physical and analytical electrochemistry, electrocatalysis, and photoelectrochemistry
- sensors

#### **Online archive**

While a subscription is current, a subscribing institution will have access to all of the available backfiles (for JES, from 1930) as well as content from the current subscription year

#### Partner

The Electrochemical Society





# JPhys Complexity

#### iopscience.org/jphyscomplexity

Complexity	Volume	1
age and the second s	Frequency	4
	Online ISSN	2632-072X
	CODEN	JPCOGQ

#### Editor-in-chief

JPhy:

Ginestra Bianconi, Queen Mary University of London, UK

JPhys Complexity" (JPCOMPLEX) showcases the most significant and exciting scientific developments in physics-related theoretical, experimental, or applied research that contributes to advancing our scientific understanding of complex systems and networks. As an interdisciplinary journal, JPhys Complexity welcomes submissions from all disciplines, including physics, biology, chemistry, environmental science, social sciences, economics, and related fields, and aims to facilitate the flow of knowledge between and beyond these communities, ensuring authors gain maximum impact and visibility for their work.

All research related to complex systems and networks is in scope, including interdisciplinary and multidisciplinary studies. Coverage includes, but is not limited to, the following:

- artificial intelligence and machine learning
- · computational assembly science and engineering
- · biological and physical systems
- climate change and sustainability
- · cognitive, language, and informational networks
- city and regional planning
- online social networks and the internet
- human behaviour, social-evolutionary dynamics
- economic and financial crises
- · quantum networks



JPhys Energy	Volume	2
Names of Stateson	Frequency	4
	Online ISSN	2515-7655
<b>∕</b>	CODEN	JPEOEY

#### **Editor-in-chief**

John Irvine, University of St Andrews, UK

JPhys Energy<sup>™</sup> (JPENERGY) is an innovative new open access journal for high-quality research in all areas where physical sciences are applied in the field of energy. The journal showcases the most significant and exciting developments in energy research, with a particular focus on interdisciplinary and multidisciplinary studies.

All energy-related research is in scope; subjects covered will include, but not be restricted to:

- batteries and supercapacitors
- biodiesels and biofuels
- · biomass and biorefineries
- carbon capture and storage
- climate change
- electrocatalysis and photocatalysis
- energy grids and networks
- · energy harvesting devices
- fuel cells
- · hydrogen generation and storage
- life-cycle assessment
- materials for energy applications
- nuclear power
- solar-energy conversion and photovoltaics
- · sources and technologies: renewables and fossil fuels
- water splitting and artificial photosynthesis

#### **Online archive**

2018-2020 available free at iopscience.org/jphysenergy



# JPhys Energy

#### iopscience.org/jphysenergy

# JPhys Materials

#### iopscience.org/jphysmaterials

# JPhys Photonics

#### iopscience.org/jphysphotonics



Volume	3
Frequency	4
Online ISSN	2515-7639
CODEN	JPMOC4

#### Editor-in-chief

Stephan Roche, Catalan Institution for Research and Advanced Studies (ICREA) and Catalan Institute of Nanosciences and Nanotechnology (ICN2), Barcelona, Spain

JPhys Materials<sup>™</sup> (JPMATER) is a new open access journal that covers all branches of physical sciences contributing to the advancement of materials science. The journal showcases the most significant and exciting developments in materials research, with a particular focus on interdisciplinary and multidisciplinary studies.

All materials-related research is in scope; subjects covered will include, but not be restricted to:

- · biological and biomedical materials
- carbon materials
- electronic materials
- energy and environment materials
- glasses and amorphous materials
- magnetic materials
- metals and alloys
- metamaterials
- nano
- organic materials
- photonic materials
- polymers and organic compounds
- semiconductors
- smart materials
- soft matter
- superconductors
- surfaces, interfaces and thin films

#### **Online archive**

2018-2020 available free at iopscience.org/jphysmaterials



JPhys Photonics	Volume	2
Appellines of Stationess	Frequency	4
	Online ISSN	2515-7647
	CODEN	JPPOKR

#### Editor-in-chief

Hugo Thienpont, Vrije Universiteit Brussel, Belgium

JPhys Photonics<sup>™</sup> (JPPHOTON) is an exciting new open access journal for high-quality research in all areas where physical sciences are applied in the field of photonics. The journal showcases the most significant and exciting developments in photonics research, with a particular focus on interdisciplinary and multidisciplinary studies.

All photonics-related research is in scope; subjects covered will include, but not be restricted to:

- biophotonics and biomedical optics
- energy and green tech applications, including photovoltaics
- imaging, detection and sensing
- light-matter interactions
- light sources, including lasers and LEDs
- nanophotonics
- nonlinear and ultrafast optics
- optical communications and fibre optics
- optical data storage
- optoelectronics, integrated optics and semiconductor photonics
- photonic materials, metamaterials and engineered structures
- plasmonics
- propagation, interaction and behaviour
- quantum photonics and optics

#### Online archive

#### 2018-2020 available free at iopscience.org/jphysphotonics



# Laser Physics

#### iopscience.org/lp

LASER PHYSICS	Volume	30
	Frequency	12
	Online ISSN	1555-6611
	Print ISSN	1054-660X
	CODEN	LAPHEJ
And Parameters - The Associate		

#### **Editor-in-chief**

P P Pashinin, Prokhorov General Physics Institute, Russian Academy of Sciences, Moscow, Russia

Founded in 1990, on the initiative of Nobel laureate, Alexander M Prokhorov, *Laser Physics* (LP) is an international journal offering a comprehensive view of the fields of theoretical and experimental laser research and applications. The journal's scope includes:

- · physics of lasers, and novel laser materials
- fibre optics and fibre lasers
- quantum optics and quantum information science
- optics: nanomaterials; nonlinear; ultrafast, and strong field physics
- physics of cold trapped atoms
- · laser methods in chemistry, biology, medicine and ecology
- laser spectroscopy
- interaction of laser radiation with matter
- laser interaction with solids
- photonics

In addition to original research papers, LP publishes Topical Reviews, Tutorials and Special Issues.

#### **Online archive**

2013–2020 available free with journal subscription Details on the LP archive (1991–2012) are available at www.lasphys.com/lasphys

Partner Astro Ltd

Astro Ltd.

Astro Ltd.

### **Laser Physics Letters**

#### iopscience.org/lpl

LASER PHYSICS LETTERS	Volume	17
	Frequency	12
	Online ISSN	1612-202X
	Print ISSN	1612-2011
	CODEN	LPLABC
No falada ( ) to have let		

#### Editor-in-chief

P P Pashinin, Prokhorov General Physics Institute, Russian Academy of Sciences, Moscow, Russia

Laser Physics Letters (LPL) is a monthly international journal that publishes novel and noteworthy results in the broad areas of fundamental and applied laser physics and their associated fields.

Founded in 2003, the journal provides rapid dissemination of research including spectroscopy, quantum electronics, quantum optics, quantum electrodynamics, nonlinear optics, atom optics, quantum computation, quantum information processing and storage, fibre optics and their applications in chemistry, biology, engineering and medicine.

In addition to Letters that report original research results, LPL publishes invited Topical Reviews that describe recent progress in a field of high current interest.

#### **Online archive**

2010–2020 available free with journal subscription 2004–2009 available in the IOP Journal Archive



IMPACT FACTOR 1.231

# Machine Learning: Science and Technology

# **Materials Research Express**

#### iopscience.org/mrx

#### iopscience.org/mlst



Volume	1
Frequency	4
Online ISSN	2632-2153
CODEN	MLSTCK

#### Editor-in-chief

Anatole von Lilienfeld, University of Basel, Switzerland

Machine Learning: Science and Technology<sup>™</sup> (MLST) is a multidisciplinary journal devoted to publishing on advances relating to the application and development of machine intelligence across a broad range of disciplines including physics, materials science, chemistry, biology, medicine, Earth science, astronomy and engineering.

Particular areas of interest include:

- materials design and discovery
- quantum machine learning
- simulation of molecules and chemical systems
- applications of machine learning in physics and astronomy
- Al and machine learning in biology and medicine
- applications of machine learning in geoscience (including natural disaster prediction) and climatology
- applied algorithms



Materials Research Express	Volume	7
	Frequency	12
	Online ISSN	2053-1591
	CODEN	MREAC3

#### Editor-in-chief

M Meyyappan, NASA Ames Research Center, CA, USA

*Materials Research Express*<sup>™</sup> (MRX) is a rapid-publication journal for new experimental and theoretical research on the design, fabrication, properties and applications of all classes of functional materials.

From 2020, MRX will change to a fully gold open access journal to provide maximum dissemination of research extending across all areas of materials science. Particular materials of interest include:

- biomaterials
- nanomaterials and nanotechnologies
- carbon allotropes and 2D materials
- electronic materials
- glasses, ceramics and amorphous materials
- magnetic materials
- metals and alloys
- · photonic materials and metamaterials
- polymers and organic compounds
- smart materials
- thin films

#### Online archive

2020 freely available 2014–2019 available in the IOP Journal Archive



# Measurement Science and Technology

#### iopscience.org/mst

# Methods and Applications in Fluorescence

#### iopscience.org/maf

Measurement Science and Technology	Volume	31
	Frequency	12
	Online ISSN	1361-6501
llenden	Print ISSN	0957-0233
	CODEN	MSTCEP

#### Editor-in-chief

Kenneth Christensen, University of Notre Dame, IN, USA

The journal is of interest to experimental researchers in all science and engineering disciplines as well as those specialising in measurement science.

Measurement Science and Technology<sup>™</sup> (MST) covers all aspects of the theory, practice and application of measurement and sensor technology across the sciences:

- precision measurements and metrology
- sensors and sensor systems
- optical and laser-based techniques
- fluids
- imaging
- spectroscopy
- materials and materials processing
- · biological, medical and life-science
- environmental and atmospheric
- novel instrumentation systems and components

MST's strong publishing programme includes Topical Reviews and Special Issues.

#### **Online archive**

2010–2020 available free with journal subscription 1923–2009 available in the IOP Journal Archive



THODS AND APPLICATIONS IN	Volume	8
Tax a Variat Maria Maria	Frequency	4
按数	Online ISSN	2050-6120
with the second	CODEN	MAFEB2
6		

#### Editors-in-chief

- David J S Birch, University of Strathclyde, UK
- Marcia Levitus Arizona State University, USA
- Yves Mély, Université de Strasbourg, France

Methods and Applications in Fluorescence<sup>™</sup> (MAF) is a multidisciplinary journal that appeals to chemists, biologists and physicists working with fluorescence or developing new optical techniques in the life sciences. As well as review articles, the journal publishes original research articles and technical notes. The scope includes:

- new fluorescent probes and sensors for use in biology
- development and use of fluorescent nanoparticles
- · instrumentation and devices for fluorescent imaging
- FRET, FLIM, FCS
- image analysis
- quantitative methods
- super-resolution imaging techniques
- lanthanide fluorescence
- fluorescent polymers

The applications of fluorescence to emerging areas in bionanotechnology, nanotechnology and medicine are very much part of the vision for the journal.

#### Online archive

2013-2020 available free with journal subscription



#### iopscience.org/met

# Modelling and Simulation in Materials Science and Engineering

iopscience.org/msmse

Not any invest way to way to to to to to to to to to	Volume	57
metrologia	Frequency	6
en anno 1997. Anno 1997	Online ISSN	1681-7575
	Print ISSN	0026-1394
۵	CODEN	MTRGAU

#### Editor

J Miles, Bureau International des Poids et Mesures, Sèvres, France

*Metrologia* (MET) is the leading journal in pure and applied metrology, and is essential reading for all researchers to whom measurement standards and calibrations are important.

MET publishes original research on the fundamentals of measurement, including improvements to the seven base units of the International System of Units (SI). In addition to articles that describe improvements to the accurate realization of base and derived units, MET readers can also find articles on measurements of physical constants that have a fundamental importance in metrology – such as the Rydberg constant or the fine-structure constant – or that contribute to the solution of particularly difficult measurement problems.

In addition to original papers, MET publishes review articles, issues devoted to single topics of timely interest and occasional conference proceedings, as well as features that draw attention to the development of new trends of thought and experiment in this area of physical research, such as Letters to the Editor and Short Communications.

The MET Technical Supplement is an electronic-only publication that provides abstracts of international comparisons used to support the claimed calibration and measurement capabilities of participating laboratories. The abstracts are linked to full reports in PDF format. The PDFs are part of the Key Comparison Database (KCDB) maintained on the BIPM website, **kcdb.bipm.org**.

#### **Online archive**

2010–2020 available free with journal subscription 1965–2009 available in the IOP Journal Archive

#### Partner

Bureau International des Poids et Mesures





Modelling and Simulation in	Volume	28
Materials Science and Engineering	Frequency	8
	Online ISSN	1361-651X
	Print ISSN	0965-0393
	CODEN	MSMSEEU

#### Editors-in-chief

- E van der Giessen, University of Groningen, the Netherlands
- P A Schultz, Sandia National Laboratories, Albuquerque, NM, USA

Serving the multidisciplinary materials community, *Modelling and Simulation in Materials Science and Engineering*<sup>®</sup> (MSMSE) publishes new research that advances the understanding and prediction of material behaviour – at scales from atomistic to macroscopic – through modelling and simulation.

The journal is led by Editors-in-chief Professor van der Giessen and Dr Schultz, with support from an Editorial Board of well respected field professionals who were appointed for their expert guidance and knowledge across the journal's scope, which covers:

- modelling and/or simulation across materials science that emphasises fundamental materials issues
- interdisciplinary research that tackles challenging and complex materials problems where the governing phenomena may span different scales of materials behaviour, with an emphasis on the development of quantitative approaches to explain and predict experimental observations
- material processing that advances the fundamental materials science and engineering underpinning the connection between processing and properties
- all classes of materials and mechanical, microstructural, electronic, chemical, biological and optical properties

The journal has a programme of Focus Issues, with recent topics covered including multiscale materials modelling and uncertainty quantification.

#### **Online archive**

2010–2020 available free with journal subscription 1992–2009 available in the IOP Journal Archive

IMPACT FACTOR 1.826

# **Multifunctional Materials**

#### iopscience.org/mfm

tional	Volume	3
	Frequency	4
	Online ISSN	2399-7532
	CODEN	MMUABD

#### **Editors-in-chief**

- Andreas Lendlein, HZG Centre for Materials and Coastal Research, Teltow, Germany
- Richard Trask, University of Bristol, UK

Multifunctional Materials<sup>™</sup> (MFM) is a multidisciplinary journal devoted to publishing research of the highest quality and impact, and is uniquely designed to serve an emerging field that now connects the materials science, physics, chemistry, bioscience and engineering communities and translational multifunctional sciences. Specific areas of interest include new areas of multifunctional materials, including:

- the design and manufacture of programmed materials for multifunctionality, morphing and adaptivity
- "meta-materials" designed and created through current chemistry or synthetic biology
- multifunctional materials designed with the capabilities of intelligent systems, such as sensing and self-diagnosis
- · characterisation methods for functions and multiscale modelling
- applications of functional multi-materials
- · computational materials engineering

A key aim for the journal is to bridge the materials and systems communities that are now involved with multifunctional design. In addition to publishing outstanding articles that report urgent new results that make a significant advance to the field, MFM will also publish invitedonly Topical Reviews on themes of particular current interest to the community.

#### **Online archive**

2018–2020 available free with journal subscription



### Nano Futures

#### iopscience.org/nanof

NANO	Volume	4
FUTURES	Frequency	4
	Online ISSN	2399-1984
	CODEN	NFAUB3

#### **Editor-in-chief**

M Reed, Yale University, CT, USA

Nano Futures<sup>™</sup> publishes the latest and most important results and perspective from across nanoscience and related technologies including physics, chemistry, biomedicine and materials science. The journal's primary aim is to become the home for high-urgency work that will define the future direction of nanotechnology. Only a small proportion of submissions to Nano Futures will meet the high standards of the journal and the number of published articles will therefore be limited. Nano Futures is now indexed in Web of Science and Scopus and will receive its first Impact Factor in summer 2020.

Specific topics of interest include (but are not limited to):

- nanoelectronics
- nanophotonics
- nanomagnetism and spintronics
- energy at the nanoscale
- nanosensors
- nanometrology
- nanobiotechnology
- nanomedicine

With a mission to reflect a diverse and multidisciplinary fields, *Nano Futures* also publishes forward-looking Perspectives and specially commissioned "Roadmap" articles on themes of particular current interest to the broader nanoscience community.

#### **Online archive**

2017-2020 available free with journal subscription



# Nanotechnology

#### iopscience.org/nano

### **New Journal of Physics**

#### www.njp.org

1.1400 C		
NOTECHNOLOGY	Volume	31
Contraction of the second	Frequency	50
	Online ISSN	1361-6528
	Print ISSN	0957-4484
	CODEN	NNOTER

#### Editor-in-chief

NA

Ray LaPierre, McMaster University, Canada

Nanotechnology<sup>™</sup> (NANO) was launched in 1990 as the first journal dedicated to provide comprehensive coverage across nanoscale research and technology. Since then, the journal has grown in both quality and quantity to establish itself as one of the leading titles in the field. It continues to offer cutting-edge research articles at the forefront of developments in all fields of nanotechnology research.

The journal continues to provide commentary on advances in nanoscale research in:

- energy at the nanoscale
- · biology and medicine
- electronics and photonics
- patterning and nanofabrication
- · sensing and actuating
- materials synthesis
- materials properties
- quantum technology

In addition to original research articles and Topical Reviews, NANO publishes Focus Collections, Letters and Perspectives on a regular basis, which feature Invited Articles from highly active subject areas.

NANO is recommended to all researchers working in applied physics, chemical physics, condensed matter and materials science, and measurement science and sensors.

#### **Online archive**

2010–2020 available free with journal subscription 1990–2009 available in the IOP Journal Archive



New Journal of Physics The seer access journal at the foundant of physics	Volume	22
	Frequency	12
	Online ISSN	1367-2630
	CODEN	NJOPFM

#### Editor-in-chief

Barry C Sanders, University of Calgary, Canada, and University of Science and Technology of China, China

Co-owned by the Institute of Physics and Deutsche Physikalische Gesellschaft, *New Journal of Physics* (NJP) was the first open access journal to publish original research across all areas of physics and continues to be a leader in publishing articles of outstanding scientific quality that merit the attention and interest of the global physics community. NJP's broad coverage of physics encompasses pure and applied research, as well as interdisciplinary topics, including:

- quantum physics (including quantum information)
- atomic and molecular physics
- optics, photonics and device physics
- condensed matter
- nanoscale science
- soft matter and polymers
- · chemical physics
- statistical mechanics, thermodynamics and nonlinear systems
- fluid dynamics
- plasmas
- nuclear and particle physics
- cosmology and astrophysics
- biological and medical physics
- earth science and geophysics

#### **Online archive**

1998-2020 freely available at www.njp.org

#### Partners

Institute of Physics

- Deutsche Physikalische Gesellschaft
- IOP Institute of Physics

Deutsche Physikalische Gesellschaft **OPG** 



## Nonlinearity

#### iopscience.org/non

Ionlinearity	Volume	33
	Frequency	12
	Online ISSN	1361-6544
	Print ISSN	0951-7715
	CODEN	NONLE5

#### **Editors-in-chief**

- Tasso Kaper, Boston University, USA
- · Konstantin Khanin, University of Toronto, Ontario, Canada

Published jointly by the London Mathematical Society and IOP Publishing, *Nonlinearity* (NON) presents original work that spans the interdisciplinary nature of nonlinear science. The broad scope of the journal ranges from physics, mathematics and engineering through to biological science.

NON's Editorial Board is comprised of members with expertise across a diverse range of subject areas, reflecting the varied interests of the title's wide readership and ensuring that NON continues to be an essential resource for researchers in any field where nonlinearity is of fundamental importance. Subjects covered in the journal include:

- nonlinear, chaotic and dynamical systems and their applications
- mathematical biology
- nonlinear partial differential equations
- fluid dynamics, including fluid boundaries, vortex dynamics, turbulence and rogue waves
- network dynamics and swarming
- quantum dynamics and quantum chaos

All authors are strongly encouraged to provide sufficient introductory material to make their work accessible to NON's wide readership.

#### **Online archive**

2010–2020 available free with journal subscription 1988–2009 available in the IOP Journal Archive

#### Partner

London Mathematical Society





uclear	Volume	60
sion	Frequency	12
	Online ISSN	1741-4326
6	Print ISSN	0029-5515
R	CODEN	NUFUAU
and the second se		

#### Editor-in-chief

A Fasoli, Ecole Polytechnique Federale de Lausanne, Lausanne, Switzerland

#### **Associate editor for Inertial Confinement**

S Jacquemot, École Polytechnique, France

#### **Chairman of the Board of Editors**

R Hawryluk, Princeton Plasma Physics Laboratory, NJ, USA

Founded by the International Atomic Energy Agency (IAEA) in 1960, *Nuclear Fusion* (NF) is the acknowledged world-leading journal specialising in fusion. The journal covers all aspects of theoretical and practical research that are relevant to controlled thermonuclear fusion.

Since 2002, a co-publishing arrangement has been in place that combines the IAEA's peer review and author services with the publishing expertise of IOP Publishing. Today, the journal continues its tradition as a leading voice of the worldwide fusion community while offering the most up-to-date electronic services (including key papers from the history of fusion research) covering subjects in:

- the production, heating and confinement of high-temperature plasmas
- the physical properties of such plasmas
- · the experimental or theoretical methods of exploring or explaining them
- · fusion-reactor physics
- reactor concepts
- fusion technologies

#### **Online archive**

2010–2020 available free with journal subscription 1960–2009 available in the IOP Journal Archive

#### Partner

International Atomic Energy Agency (IAEA)





### **Nuclear Fusion**

iopscience.org/nf

# Physical Biology

#### iopscience.org/pb

# Physica Scripta

#### www.physica.org

hysicalbiology	Volume	17
A long of the ferror in the same of the same long	Frequency	6
	Online ISSN	1478-3975
I Add And And And And And And And And And	CODEN	PBHIAT

#### Editor-in-chief

Greg Huber, Chan Zuckerberg Biohub, San Francisco, CA, USA

#### **Deputy editors**

- Jorge M Pacheco, University of Minho, Braga, Portugal
- Bozhi Tian, University of Chicago, IL, USA

*Physical Biology*<sup>™</sup> (PB) bridges research in the biological and physical sciences, and showcases a range of interdisciplinary papers, reviews and perspectives with an innovative edge.

PB covers an extensive range of subjects, including:

- intracellular processes
- systems biology
- developmental processes
- physical aspects of disease
- neuronal dynamics
- population dynamics, ecology and evolution
- · biomolecular structure and interactions
- cells and their microenvironment
- · cell-material interactions
- novel physical techniques to probe biological systems
- · advances in bioinformatic and modelling-based approaches
- synthetic biology

#### **Online archive**

2010–2020 available free with journal subscription 2004–2009 available in the IOP Journal Archive

#### **Official journal of**

Sociedad de Biofísicos Latino Americanos (SOBLA)



Physica Scripta A resultance your for speriodi on thousand agent Market in the same Market in the same Market in the same of the same in the Same in the same of the same in the Same in the same of the same in the same in the Same in the same of the same in the same in the Same in the same of the same in the same in the Same in the same of the same in the same in the same in the Same in the same of the same in the same in the same in the Same in the same in t	Volume	95
	Frequency	12
	Online ISSN	1402-4896
	Print ISSN	0031-8949
	CODEN	PHSCAS
MB Delivery		

*Physica Scripta* (PhysScr) is an international journal dedicated to presenting novel research findings and analysis across the breadth of theoretical and experimental physics. The journal is endorsed by The Royal Swedish Academy of Sciences, the prestigious organisation responsible for awarding the annual Nobel prizes.

PhysScr is committed to a broad-scope mission, publishing work from established fields of physics as well as emerging and interdisciplinary areas.

Published monthly (12 issues per year), PhysScr aims to support researchers at all stages by making work more accessible, and includes Invited Comments and reviews intended to bridge gaps in readers' knowledge and increase connection between related themes.

The journal's distinguished international Editorial Board supports a regular programme of virtual Focus Issues as part of the regular journal featuring articles and comments that address cutting-edge topics. Regular issues of PhysScr are supplemented by occasional Topical Issues on key issues or events produced in collaboration with international groups of guest editors.

#### **Online archive**

2010–2020 available free with journal subscription 1970–2009 available in the IOP Journal Archive



OK NO

### **Physics Education**

#### iopscience.org/physed

<b>cs</b> education	Volume	55
-	Frequency	6
	Online ISSN	1361-6552
	Print ISSN	0031-9120
ABCs of particle physics	CODEN	PHEDA7

IOP Publishing

#### Editor-in-chief

Gary Williams, Institute of Physics, London, UK

*Physics Education* (PED) is an international journal that supports the physics teaching community. It provides a forum for educators to share experiences and information that promotes continual development in the teaching of physics to 11–18 year olds.

It offers professional development and support to physics teachers around the world by providing:

- a forum for practising teachers to make an active contribution to the physics-teaching community
- knowledge updates in physics, educational research and relevant curriculum developments
- strategies for teaching and classroom management that will engage and motivate students

In addition to feature papers, PED publishes shorter frontline papers, resource reviews, letters and multimedia supplementary material. It also features a video-abstract channel, where authors go beyond the constraints of the written article to convey their research.

PED readers benefit from the perspective and expertise of the journal's Editorial Board. It is a valuable resource for anyone involved in physics education at the high-school or undergraduate level – teachers, lecturers and teacher trainers in university physics, engineering and education departments – as well as for those producing resources for schools, colleges and universities, companies with an education programme, government-funded bodies and government-funding departments.

#### **Online archive**

2010–2020 available free with journal subscription 1966–2009 available in the IOP Journal Archive

# Physics in Medicine & Biology

#### iopscience.org/pmb

Physics in Medicine &	Volume	65
Biology	Frequency	24
ate ate ate	Online ISSN	1361-6560
ate ate ate	CODEN	PHMBA7
aan ana ana		
att att att		

#### **Editor-in-chief**

S R Cherry, University of California, Davis, USA

*Physics in Medicine & Biology* (PMB) is published in partnership with the Institute of Physics and Engineering in Medicine (IPEM) and covers:

- all areas of radiotherapy physics
- radiation dosimetry (ionising and non-ionising radiation)
- biomedical imaging (e.g. X-ray, MRI, ultrasound, optical, nuclear medicine)
- · image reconstruction and kinetic modelling
- · image analysis and computer-aided detection
- other radiation medicine applications
- therapies (including non-ionising radiation)
- biomedical optics
- radiation protection
- radiobiology

The journal has experienced outstanding growth in recent years and continues to build on its excellent reputation.

This journal is essential reading for medical physicists, clinicians and industry specialists involved in the manufacturing and testing of radiotherapy equipment, with the purpose of improving the understanding, detection and treatment of disease, and the management of patients.

#### **Online archive**

2010–2020 available free with journal subscription 1956–2009 available in the IOP Journal Archive

#### Partner

Institute of Physics and Engineering in Medicine



ECTRONIC ONLY IMPACT FACTOR 3.030

# Physics—Uspekhi (Advances in Physical Sciences)

#### iopscience.org/phu

# Physiological Measurement

#### iopscience.org/pmea

hysics–Uspekhi	Volume	63
	Frequency	12
	Online ISSN	1468-4780
Jamany 2019 Volume 12, Number 1	Print ISSN	1063-7869
Targhon Targhon	CODEN	PHUSEY

#### Editor-in-chief

V A Rubakov, Institute for Nuclear Research, Russian Academy of Sciences, Moscow, Russia

#### **Associate editors**

- L P Pitaevskii, P L Kapitza Institute for Physical Problems, Russian Academy of Sciences, Moscow, Russia
- O V Rudenko, M V Lomonosov Moscow State University, Russia

*Physics—Uspekhi (Advances in Physical Sciences)* (PU) is the English translation of *Uspekhi Fizicheskikh Nauk* – the flagship journal of the Russian Academy of Sciences, first published in 1918.

The journal's broad scope covers physics and associated fields, with special focus on astrophysics, high-energy physics, solid-state physics, nonlinear phenomena and modern interdisciplinary areas. Principal headings include: reviews of topical problems, physics of our day, instruments and methods of investigation, methodological notes, from the history of physics, conferences and symposia, and book reviews.

#### **Online archive**

1958–2020 available free with journal subscription 1958–2009 available in Turpion's Historic Archive: Turpion offers the option to acquire perpetual rights of Turpion journals content for a onetime purchase. Since 2008, electronic access to the content back to the first English translation volume has been hosted by IOP Publishing at icconcinence and (abu)

#### iopscience.org/phu

Pa	artners
•	Turpion

- Turpio





Uspekhi Fizicheskikh NaukRussian Academy of Sciences



Physiological Measurement	Volume	41
	Frequency	12
	Online ISSN	1361-6579
	CODEN	PMEAE3
000000		

#### Editor-in-chief

J R Moorman, University of Virginia, Charlottesville, USA

*Physiological Measurement* (PMEA) publishes papers about the quantitative assessment and visualisation of physiological function in clinical research and practice, with an emphasis on the development of new methods of measurement and other validation. Papers are published on topics including:

- applied physiology in illness and health
- · electrical bioimpedance, optical and acoustic measurement techniques
- advanced methods of time series and other data analysis
- biomedical and clinical engineering
- in-patient and ambulatory monitoring
- point-of-care technologies
- novel clinical measurements of cardiovascular, neurological and musculoskeletal systems
- novel clinical measurement of flows and pressures in lung, heart and blood vessels
- measurements in molecular and cellular and organ physiology and electrophysiology
- physiological modelling and simulation
- · novel biomedical sensors, instruments, devices and systems
- measurement standards and guidelines

The journal encourages publication of data and code as well as results.

#### **Online archive**

2010–2020 available free with journal subscription 1980–2009 available in the IOP Journal Archive

#### Partner

Institute of Physics and Engineering in Medicine





# The Planetary Science Journal

#### iopscience.org/psj

### **Plasma Physics and Controlled Fusion**

#### iopscience.org/ppcf

NE PUBLISHING	Volume	1
THE PLANFTARY SCIENCE JOURNAL	Frequency	4
	Online ISSN	2632-3338
	CODEN	PSJLAV

#### **Editor-in-chief**

Ethan Vishniac, Johns Hopkins University, MD, USA

The Planetary Science Journal is devoted to recent developments, discoveries, and theories in planetary science. We welcome all aspects of investigation of the solar system and other planetary systems. The Planetary Science Journal publishes manuscripts that constitute significant new research that is directly relevant to planetary science, including observational results, theoretical insights, modeling, laboratory studies, instrumentation, or geological field studies.



Plasma Physics and Controlled Fusion	Volume	62
	Frequency	12
Rati Varijanja	Online ISSN	1361-6587
	Print ISSN	0741-3335
	CODEN	PPCFET
termine in the		

#### Editor-in-chief

R O Dendy, United Kingdom Atomic Energy Authority, Culham Science Centre, Abingdon, UK, and Centre for Fusion, Space and Astrophysics, University of Warwick, Coventry, UK

#### **Deputy editor**

M Koepke, West Virginia University, WV, USA

Plasma Physics and Controlled Fusion<sup>™</sup> (PPCF) is a leading voice in plasma physics. It covers the latest experimental and theoretical research into the physics of hot, highly ionised plasmas and controlled nuclear fusion.

The scope of PPCF includes:

- experimental and theoretical research into all aspects of hot, highly ionised plasmas
- nuclear fusion (both magnetic confinement fusion and inertial confinement fusion)
- basic phenomena in highly ionised gases in the laboratory, in the ionosphere and in space
- · diagnostic methods relevant to fusion and high-temperature plasmas

PPCF's direction is overseen by an Editorial Board comprised of leading researchers from major international laboratories. These experts ensure that the latest and most relevant work is published, making PPCF the destination journal for researchers in the fields of nuclear fusion and high-temperature plasma physics.

#### **Online archive**

2010–2020 available free with journal subscription 1960–2009 available in the IOP Journal Archive



# **Plasma Research Express**

#### iopscience.org/prex

# Plasma Science and Technology

#### iopscience.org/pst



2
4
2516-1067
PRELCZ

#### Editor-in-chief

Hae June Lee, Pusan National University, Korea

Plasma Research Express<sup>™</sup> (PREX) is a broad, multidisciplinary journal devoted to publishing new experimental and theoretical research covering all areas of fundamental, engineering and applied plasma science at low and high temperatures. Topics of particular interest include:

- high-temperature plasmas and controlled fusion
- plasma diagnostics
- plasma instrumentation and facilities
- · applied plasma science and technology
- plasma modelling
- nonlinear phenomena in plasmas
- natural and laboratory plasmas
- low-temperature plasmas and sources
- plasma biology
- plasma chemistry and processing
- plasma medicine
- plasmas and the environment
- · plasmas and industry
- astrophysical and space plasmas

#### **Online archive**

2019–2020 freely available at iopscience.org/prex



	Volume	22
Plasma Science and Technology	Frequency	12
	Online ISSN	2058-6272
	Print ISSN	1009-0630
	CODEN	PSTHC3

#### Editor-in-chief

YF Liang, Institute of Energy and Climate Research, Germany

*Plasma Science and Technology* (PST) offers novel experimental and theoretical results in plasma physics to the international research community, highlighting the progress of interdisciplinary and applied aspects of the field.

PST publishes research articles, letters, reviews, brief communications and research notes.

PST is the journal of choice for plasma research from China and publishes across a wide range of plasma-related topics, including:

- basic plasma phenomena
- magnetically confined plasma
- · inertially confined plasma
- · low-temperature plasma
- · astrophysics and space plasma
- plasma technology
- · fusion engineering

#### **Online archive**

2010–2020 available free with journal subscription 1999–2009 available in the IOP Journal Archive

#### **Partners**

- Institute of Plasma Physics, Chinese Academy of Sciences
- · Chinese Society of Theoretical and Applied Mechanics



# Plasma Sources Science and Technology

#### iopscience.org/psst

sma Sources ience and Technology	Volume	29
-	Frequency	12
and the state of the	Online ISSN	1361-6595
	CODEN	PSTEEU

#### Editor-in-chief

U Czarnetzki, Ruhr University Bochum, Germany

#### Founding editor-in-chief

N Hershkowitz, University of Wisconsin-Madison, USA

#### **Associate editors**

- I Adamovich, Ohio State University, OH, USA
- L Alves, Instituto Superior Técnico, Portugal
- J-P Booth, École Polytechnique, France
- R Brandenburg, Leibniz Institut fuer Plasmaforschung und Technologie, Germany
- K Sasaki, Hokkaido University, Japan

A multidisciplinary journal containing theoretical, computational and experimental techniques for the study of low-temperature plasmas, *Plasma Sources Science and Technology*<sup>™</sup> (PSST) reflects the relevance of low-temperature plasmas for researchers in fields as varied as medical physics, engineering, materials science and the environment. PSST focuses on the latest developments in the field, with a scope that covers:

- fundamental studies of low-temperature plasmas and ionised gases operating over all ranges of gas pressure and plasma density
- · plasma sources and the processes initiated or sustained by them
- theoretical, computational and experimental techniques and data for the study of low-temperature plasmas

PSST publishes a programme of Special Issues, Topical Reviews and Letters, so that readers can be confident that they have the most up-todate papers available in the field.

#### **Online archive**

2010–2020 available free with journal subscription 1992–2009 available in the IOP Journal Archive

ELECTRONIC	IMPACT FACTOR
UNLT	4.120

# **Progress in Biomedical Engineering**

#### iopscience.org/prgb

PROGRESS IN BIOMEDICAL	Volume	2
ENGINEERING	Frequency	4
XX/A	Online ISSN	2516-1091
	CODEN	PBERB8

#### Editor-in-chief

Metin Sitti, Max Planck Institute for Intelligent Systems, Stuttgart, Germany

Progress in Biomedical Engineering<sup>™</sup> (PRGB) is a new interdisciplinary journal publishing high-quality authoritative reviews and opinion pieces in the most significant and exciting areas of biomedical engineering research.

Invited content by leading experts on the current state of the science and emerging trends aims to fuel discussion on the future direction of research.

PRGB publishes reviews covering a range of research topics from this important and rapidly developing field, including:

- tissue engineering
- biomechanics
- robotics
- biomedical imaging and computing
- drug delivery
- rehabilitation
- cellular and molecular engineering
- neuro-engineering
- signal processing
- measurement and instrumentation
- medical devices
- nanotechnology and medicine
- computer assisted interventions
- biomaterials

#### **Online archive**

2019-2020 freely available at iopscience.org/prgb

ELECTRONIC ONLY

# Progress in Energy

#### iopscience.org/prge

# Publications of the Astronomical Society of the Pacific

#### iopscience.org/pasp



Volume	2
Frequency	4
Online ISSN	2516-1083
CODEN	PERNDG

#### Editor-in-chief

Nigel Brandon, Imperial College London, UK

*Progress in Energy*<sup>™</sup> (PRGE) is a new multidisciplinary journal publishing high-quality authoritative reviews and opinion pieces in the most significant and exciting areas of energy research.

Invited content by leading experts on the current state of the science and emerging trends aims to fuel discussion on the future direction of research.

PRGE publishes reviews covering a range of research topics from this important and rapidly developing field, including:

- energy materials
- energy storage
- energy science and engineering
- energy conservation
- energy efficiency
- energy systems
- energy and transport
- energy infrastructure
- energy grids and networks
- energy access and security
- sustainable and renewable energy
- environment and resources
- energy policy
- energy economics

#### **Online archive**

2019–2020 freely available at iopscience.org/prge



Volume	132
Frequency	12
Online ISSN	1538-3873
Print ISSN	0004-6280
CODEN	PASPAU
	Volume Frequency Online ISSN Print ISSN CODEN

#### Editor-in-chief

J Mangum, National Radio Astronomy Observatory, VA, USA

#### **Associate editor**

D Fabricant, Harvard-Smithsonian Center for Astrophysics, MA, USA

Publications of the Astronomical Society of the Pacific (PASP) has published original research on astronomy and astrophysics since 1889. Published on behalf of the Astronomical Society of the Pacific, the journal offers a unique blend of novel research, timely reviews, special issues, tutorials and other information important to astronomers, astrophysicists and educators. Under the leadership of its current Editor-in-chief, PASP has recieved its highest Impact Factor in the journal's 131-year history.

PASP covers the following subject areas:

- astronomy and astrophysics, covering all wavelengths and distance scales
- · instrumentation, data analysis and software
- astrophysical calculations, techniques and method tutorials

#### **Online archive**

1889-2020 available free with journal subscription

#### Partner

Astronomical Society of the Pacific



#### IMPACT FACTOR 3.470

# **Ouantum Electronics**

#### iopscience.org/qe

	Volume	50
M	Frequency	12
IICS	Online ISSN	1468-4799
y 2019 m.s.	Print ISSN	1063-7818
	CODEN	QUELEZ

#### Editor-in-chief

O N Krokhin, P N Lebedev Physical Institute, Russian Academy of Sciences, Moscow, Russia

#### **Associate editors**

- I B Kovsh, Laser Association, Moscow, Russia
- A S Semenov, P N Lebedev Physical Institute, Russian Academy of Sciences, Moscow, Russia

Quantum Electronics (QE) is a direct English translation of the Russian journal, Kvantovaya Elektronika. Established in 1971 by Nobel prize laureate, Nikolay G Basov, the journal provides comprehensive results in topics such as quantum electronic devices, laser physics and optics, interaction of laser radiation with matter, and the transmission and processing of information at basic and applied research levels. Special attention is now given to laser nanotechnologies, laser biology and medicine. It is a valuable resource for those working with all aspects of laser research or with the practical application of laser technologies in the metrological, biological and medical fields, or in the electronics, engineering, defence and materials industries.

#### **Online archive**

1958-2020 available free with journal subscription 1958–2009 available in Turpion's Historic Archive: Turpion offers the option to acquire perpetual rights of Turpion journals content for a onetime purchase. Since 2008, electronic access to the content back to the first English translation volume has been hosted by IOP Publishing at iopscience.org/qe

**Partners** 

- Turpion
- Russian Academy of Sciences





Quantum Science and Technology	Volume	5
	Frequency	4
Martin	Online ISSN	2058-9565
	CODEN	QSTUAH

#### Editor-in-chief

iopscience.org/qst

Robert Thew, University of Geneva, Switzerland

#### **Regional editors**

- Masahide Sasaki, National Institute of Information and Communications Technology, Japan
- Thomas Jennewein, University of Waterloo, Canada

Quantum Science and Technology<sup>™</sup> (QST) is a multidisciplinary, highimpact journal devoted to publishing research of the highest quality and significance covering the science and application of all quantum-enabled technologies. QST bridges aspects of applied mathematics, condensed matter, guantum optics, atomic physics and materials science, and also extends to chemistry, biology, engineering, computer science and machine learning.

In addition to regular research papers, QST also publishes Topical Reviews and solicits articles for Focus Issues on high-interest subjects, resulting in an overview of the most up-to-date and interesting research in this field.

#### **Online archive**

2016-2020 available free with journal subscription



51

# **Ouantum Science and Technology**

# **Reports on Progress in Physics**

#### iopscience.org/ropp

Reports on Progress in Physics	Volume	83
	Frequency	12
Hand I Kana I Kara M	Online ISSN	1361-6633
	Print ISSN	0034-4885
	CODEN	RPPHAG

#### Editor-in-chief

G Baym, University of Illinois at Urbana-Champaign, IL, USA

#### **Deputy editor**

J Onuchic, Rice University, TX, USA

Reports on Progress in Physics<sup>™</sup> (ROPP) has a long-established reputation as an essential resource for authoritative review articles covering all branches of physics. Its appeal lies in both the scope of its subject coverage as well as the high quality of the reviews. Guided entirely by its distinguished Editorial Board, ROPP includes content written exclusively by worldwide experts in fields across the entire spectrum of physics.

ROPP's prestigious reputation stems not only from its authoritative and highly cited commissioned articles, but also from the emphasis placed on adapting to meet the needs of graduate students, researchers entering new fields and established experts alike.

As part of this evolution and in addition to the review articles for which the journal is known, ROPP has introduced two other article types in recent years to deal with subjects of current or critical interest to researchers:

- **Reports on Progress** articles recount the current status of a rapidly advancing field that holds significant interest but has not yet fully developed, with an emphasis on identifying disagreements whose resolution would lead to progress in the field.
- Key Issues Reviews focus on the current compelling questions in physics and identify the critical aspects of growing fields whose significance and goals are undeveloped or disputed.

#### **Online archive**

2010–2020 available free with journal subscription 1934–2009 available in the IOP Journal Archive



# Research in Astronomy and Astrophysics

#### iopscience.org/raa

Research in Astronomy and Astrophysics	Volume	20
	Frequency	12
Mandemana 2 Mar encomplement and	Online ISSN	2397-6209
	Print ISSN	1674-4527
	CODEN	RAAEBW

#### Editors-in-chief

- JX Wang, National Astronomical Observatories, Chinese Academy of Sciences, Beijing, China
- L Gao, National Astronomical Observatories, Chinese Academy of Sciences, Beijing, China

Research in Astronomy and Astrophysics (RAA) is a rapidly developing international journal that publishes top-quality research from astronomers and astrophysicists worldwide.

RAA publishes research papers and reviews on all branches of astronomy and astrophysics, especially:

- · large-scale structure of universe formation and evolution of galaxies
- · high-energy and cataclysmic processes in astrophysics
- formation and evolution of stars
- astrogeodynamics
- · solar magnetic activity and heliogeospace environments
- · dynamics of celestial bodies in the solar system and artificial bodies
- space observation and exploration
- · new astronomical techniques and methods

#### **Online archive**

2001-2020 available free with journal subscription

#### **Partners**

- · Chinese Astronomical Society
- National Astronomical Observatories, Chinese Academy of Sciences



# **Russian Chemical Reviews**

#### iopscience.org/rcr

### **Russian Mathematical Surveys**

#### iopscience.org/rms



Volume	89
Frequency	12
Online ISSN	1468-4837
Print ISSN	0036-021X
CODEN	RCRVAB

#### **Editor-in-chief**

Mikhail P Egorov, N D Zelinsky Institute of Organic Chemistry, Russian Academy of Sciences, Moscow, Russia

#### **Associate editors**

- BF Myasoedov, A N Frumkin Institute of Physical Chemistry and Electrochemistry, Moscow, Russia
- V P Ananikov, N D Zelinsky Institute of Organic Chemistry, RAS, Moscow, Russia

*Russian Chemical Reviews* (RCR) is the English translation of the monthly review journal *Uspekhi Khimii*, one of the leading Russian journals in chemistry, founded in 1932. The journal showcases the advances in most aspects of modern chemistry, including: chemical physics; physical chemistry, including catalysis; mathematical chemistry; co-ordination chemistry; analytical chemistry; organic and organometallic chemistry; chemistry of macromolecules; biochemistry, bio-organic chemistry and biomolecular chemistry; medicinal chemistry; materials chemistry, nanochemistry, nanostructures; and environmental chemistry. RCR appeals to all scientists working with chemistry, physical chemistry, chemical physics, materials science, nanochemistry, nanostructures and nanotechnologies.

#### **Online archive**

1960–2020 available free with journal subscription

1960–2009 available in Turpion's Historic Archive: Turpion offers the option to acquire perpetual rights of Turpion journals content for a one-time purchase. Since 2008, electronic access to the content back to the first English translation volume has been hosted by IOP Publishing at **iopscience.org/rcr** 

Turpion



Turpion

• Russian Academy of Sciences



RUSSIAN MATHEMATICAL SURVEYS	Volume	75
	Frequency	6
	Online ISSN	1468-4829
A Numer I Store	Print ISSN	0036-0279
Успехи Математических Наук		

#### Editor-in-chief

S P Novikov, Russian Academy of Sciences, Moscow, Russia; University of Maryland, College Park, MD, USA

#### **Deputy editor**

V M Buchstaber, Steklov Mathematical Institute of Russian Academy of Sciences, Moscow, Russia

Covering a wide spectrum of mathematics, mechanics and mathematical physics, *Russian Mathematical Surveys* (RMS) is the English translation of the prestigious Russian journal *Uspekhi Matematicheskikh Nauk*, founded in 1936.

RMS publishes specially-commissioned survey articles on current trends in mathematics and short communications showcasing new research from the Moscow Mathematical Society. It is also the only journal that publishes a record of mathematical life in Russia and biographical material. Translated into English since 1960, the journal archive provides access to valuable historic research.

#### **Online archive**

1960-2020 available free with journal subscription

1960–2009 available in Turpion's Historic Archive: Turpion offers the option to acquire perpetual rights of Turpion journals content for a onetime purchase. Since 2008, electronic access to the content back to the first English translation volume has been hosted by IOP Publishing at **iopscience.org/rms** 

#### Partners • Turpion





- London Mathematical Society
- IMPACT FACTOR 2.038

# **Sbornik: Mathematics**

#### iopscience.org/msb

# Semiconductor Science and Technology

iopscience.org/sst

S	SBORNIK	Volume	211
M	ATHEMATICS	Frequency	12
	Online ISSN	1468-4802	
Î.	and 210 Numbers 1 - 2 2019	Print ISSN	1064-5616
M	атематический		

#### **Editor-in-chief**

B S Kashin, Steklov Mathematical Institute of Russian Academy of Sciences, Moscow, Russia

#### **Deputy editor**

A N Parshin, Steklov Mathematical Institute of Russian Academy of Sciences, Moscow, Russia

Sbornik: Mathematics (SM) is the English translation of the Russian monthly journal Matematicheskii Sbornik, founded in 1866. The oldest Russian mathematical journal, SM has been translated into English since 1967, and covers a wide spectrum of areas in pure mathematics, focusing on key developments in mathematical analysis, ordinary differential equations, partial differential equations, mathematical physics, geometry, algebra and functional analysis.

#### **Online archive**

1967–2020 available free with journal subscription 1967–2009 available in Turpion's Historic Archive: Turpion offers the option to acquire perpetual rights of Turpion journals content for a onetime purchase. Since 2008, electronic access to the content back to the first English translation volume has been hosted by IOP Publishing at **iopscience.org/msb** 

# PartnersTurpion



- Russian Academy of Sciences
- London Mathematical Society



Volume	35
Frequency	12
Online ISSN	1361-6641
Print ISSN	0268-1242
CODEN	SSTEET
	Volume Frequency Online ISSN Print ISSN CODEN

#### Editor-in-chief

Koji Ishibashi, Advanced Device Laboratory, RIKEN, Japan

Semiconductor Science and Technology<sup>™</sup> (SST) focuses exclusively on semiconductor research and its applications. SST is a leader among specialised semiconductor journals; the quality of research published in SST is reflected in its high downloads-per-article rate. The journal has attracted a growing international readership.

SST's scope covers fundamental and applied experimental and theoretical studies of the properties of semiconductors, their interfaces and devices including:

- fundamental properties
- materials and nanostructures
- devices and applications
- · fabrication and processing
- emerging fields
- topological semiconductors
- layered materials and nanowires
- semiconductors for energy
- flexible electronics

SST offers readers a wide range of article types, including a series of Special Issues. Researchers can access the most up-to-date research via Letters – the journal's high-quality, high-profile outlet for new and important research across all areas of semiconductor research. Topical Review articles present the background, recent progress and current state of the art in a particular field, making SST essential reading for scientists at any stage of their career in semiconductor research.

#### **Online archive**

2010–2020 available free with journal subscription 1986–2009 available in the IOP Journal Archive



# Smart Materials and Structures

#### iopscience.org/sms

# Superconductor Science and Technology

#### iopscience.org/sust

Smart Materials and Structures Bytems from name to necessaria	Volume	29
	Frequency	12
2003 Sold Banglin	Online ISSN	1361-665X
<u>é é é</u>	Print ISSN	0964-1726
	CODEN	SMSTER

#### Editor-in-chief

C S Lynch, University of California, Los Angeles, USA

Smart Materials and Structures<sup>™</sup> (SMS) is a multi-disciplinary journal dedicated to technical advances in (and applications of) smart materials, systems and structures; including intelligent systems, sensing and actuation, adaptive structures and active control.

SMS covers the following research areas:

- smart materials development and application including, but not limited to, shape memory alloys and polymers, electro and magnetorheological materials, piezoelectrics, ferroelectrics, multiferroics, piezomagnetics, electro and magnetostrictive materials, thermoelectrics, photovoltaics, electro and magnetocaloric materials, electrochromics, IPMCs, electroactive polymers, energy-storage materials, self-healing materials and multifunctional materials in general
- smart materials utilised as sensors and actuators with applications at any scale
- adaptive structural systems, actively controlled structures with smart materials and other non-traditional actuators
- smart optical materials for modification in spectral shifts and refractive index shift
- structural health monitoring with applications to ground vehicles, aircraft and civil infrastructure
- energy harvesting systems including modelling, applications and implementation issues
- · smart material systems that utilise biomimetics and bioinspiration
- 3D-printed smart materials and their applications
- · smart textiles and wearable technology

#### **Online archive**

2010–2020 available free with journal subscription 1992–2009 available in the IOP Journal Archive



Superconductor Science and Technology	Volume	33
	Frequency	12
Receipt 12: Recting 1: annuary 2015 Period a reliate Period a reliate international region for annuary in international region for annuary international regional region fo	Online ISSN	1361-6668
1.1	Print ISSN	0953-2048
	CODEN	SUSTEF

### Editor-in-chief

C Foley, CSIRO, Lindfield, Australia

Superconductor Science and Technology<sup>\*\*</sup> (SUST) is the leading journal specialising in superconductivity and its application.

SUST is a truly multidisciplinary journal that provides an essential forum for members of the superconductivity research community and publishes Letters<sup>™</sup>, Special Issues, Topical Reviews, Roadmap and Viewpoint articles.

SUST's scope includes papers from all areas of superconductivity, including superconducting materials and basic properties, superconducting quantum technology, electronics and other small-scale devices, superconducting wires and tapes, superconducting magnets, accelerators and other large-scale applications.

This international journal publishes high-quality, innovative articles covering the latest developments in superconductivity, ensuring that researchers receive a valuable overview of current research and keep up to date with the latest developments in the field.

#### **Online archive**

2010–2020 available free with journal subscription 1988–2009 available in the IOP Journal Archive



# Surface Topography: Metrology and Properties

#### iopscience.org/stmp



#### Editor-in-chief

R Wood, University of Southampton, UK

Surface Topography: Metrology and Properties<sup>™</sup> (STMP) publishes the latest physics, chemistry, materials science and engineering research on applied, functional surfaces.

Topics covered include:

- engineered surfaces
- interface science/science at the interface
- coatings
- surface texturing and surface treatments
- structured surfaces for friction and wear control
- tribology
- surface topography in fracture and failure analysis/surface fatigue
- deformation and strain
- biomimetic surfaces
- bioadhesion
- fluid flow, wettability and adhesion
- superhydrophobic surfaces
- tomography AFM/SPM
- optical techniques for surface characterisation
- super resolution imaging of surfaces
- high dynamic-range measurement
- in-line/in-process measurement
- surface appearance and perception engineering
- surface chemistry and reactions at the interface
- surface, micro- and nanometrology

#### **Online archive**

2013-2020 available free with journal subscription



# **IOP** Conference Series

Proceedings services for science

#### conferenceseries.iop.org

Proceedings are an important part of the scientific record, documenting and preserving work presented at conferences worldwide. *IOP Conference Series*<sup>™</sup> offers a fast, efficient and cost-effective proceedings service.



Journal of Physics: Conference Series The open access *Journal of Physics: Conference Series* (JPCS) provides a fast, versatile and cost-effective proceedings publication service.

iopscience.org/jpcs



#### IOP Conference Series: Materials Science and Engineering

With the ability to publish proceedings from events of any size, the *IOP Conference Series: Materials Science and Engineering* provides a comprehensive solution for materials science and engineering conferences.

iopscience.org/mse



#### IOP Conference Series: Earth and Environmental Science

The IOP Conference Series: Earth and Environmental Science (EES) provides a fast, versatile and cost-effective proceedings publication service.

iopscience.org/ees

#### Visibility

Papers are widely indexed and *IOP Conference Series* receives more than 3.5 million article downloads per year.

#### **Rapid publication**

Proceedings are published within four to six weeks after IOP Publishing receives the accepted articles.

#### **Flexible publication**

From plenary to poster papers, large or small events, core physics to multidisciplinary, we can accommodate all.

#### **IOP Proceeding Licence**

Authors retain copyright. No forms for organisers to administer, substantially reducing their workload.

Visit **conferenceseries.iop.org** for details of publishing options, our real-time quote service and much more

# **ECS** conferences



The official conference publications of The Electrochemical Society



#### **ECS Transactions**

Features full-text content of proceedings from ECS meetings and ECS-sponsored meetings. *ECS Transactions* is a high-quality venue for authors and an excellent resource for researchers. The papers appearing in *ECS Transactions* are reviewed to ensure that submissions meet generally accepted scientific standards. *ECS Transactions* is indexed by most major services, including the Web of Science Conference Proceedings Citation Index, SciFinder, Scopus, and Google Scholar.



#### **ECS Meeting Abstracts**

Contain extended abstracts of the technical papers presented at the ECS biannual meetings and ECS-sponsored meetings. This publication offers a first look into the current research in the field. *ECS Meeting Abstracts* are freely available.

#### **ALSO AVAILABLE**



#### **ECS Proceedings Volumes**

*ECS Proceedings Volumes* (PVs) contain papers presented in symposia at ECS and topical meetings, up until mid-2005. PVs provide up-to-date views of specialized topics and frequently offered comprehensive treatment of rapidly developing areas.

# Science news: Physics World

physicsworld.com

*Physics World*<sup>®</sup> represents a key part of our mission to communicate world-class research and innovation to the widest possible audience. The website forms part of the *Physics World* portfolio, a collection of digital and print services for the global scientific community. *Physics World* helps you to stay up to date with the latest breakthroughs in physics and interdisciplinary science. Readers working in academic and industrial research can enjoy a unique mix of daily news, opinion and analysis from an award-winning team of science journalists.



#### **Cross-disciplinary**

Reflecting the increasingly cross-disciplinary and international nature of scientific research, *Physics World* now includes coverage from across disciplines, including materials science, biosciences, environmental sciences, astronomy and astrophysics, and interdisciplinary sciences. We seek to inform, educate and connect a global scientific readership.

#### Impact

*Physics World* caters for audiences across borders and disciplines, helping scientists to promote themselves, their teams and their research to researchers around the world.

#### **Early career scientists**

We provide training and mentorship for early career scientists. We support their careers and develop the next generation of science communicators through our contributor networks.

Visit physicsworld.com, the number-one science news service

# Magazines

# **Physics World**

### physicsworld.com

Celebrating more than 30 years as the Institute of Physics' membership title, *Physics World*<sup>®</sup> is widely recognised as the world's must-read physics magazine.

Each month, more than 100,000 readers enjoy comprehensive news and analysis, in-depth features, incisive opinion pieces, sound careers advice, and reviews of the best new books and multimedia.



Volume	33
Frequency	12
Online ISSN	2058-7058
Print ISSN	0953-8585

#### **Online archive**

2010–2020 available free with journal subscription 1950–2009 available in the IOP Journal Archive (1950–1988 under the previous name of *Physics Bulletin*) With physics changing at such a rapid pace, Physics World is the perfect way for you to stay on top, thanks to its timely, accessible and thoughtprovoking articles from the world's leading physicists and science writers.

Matin Durrani, editor

### <u>CERNCOURIER</u>



# **CERN** Courier

#### cerncourier.com

### CERN is undisputedly the hub of a global community of scientists advancing the frontiers of knowledge, and for 60 years *CERN Courier* has been serving this international community.

This high-energy physics magazine covers international developments in particle physics and the achievements of scientists working in these and related fields. *CERN Courier* is internationally recognised as required reading for the high-energy physics community, and the magazine of choice for any researcher or scientist who needs to keep up to date. Inside each issue you will find the latest research news, authoritative reports and project updates on a range of topics.

#### Free sample

Visit cerncourier.com/cern-courier-digital-edition to read the digital edition

#### Did you know?

CERN Courier has more than 75,000 readers worldwide



# **ESRFnews**

www.esrf.eu/UsersAndScience/Publications/Newsletter

The European Synchrotron Radiation Facility (ESRF), located in Grenoble, France, is a joint facility supported and shared by 21 European countries. It operates the most powerful synchrotron radiation source in Europe.

*ESRFnews* highlights the latest developments at the ESRF, as well as within the worldwide synchrotron community. It is an invaluable information source read in 57 countries by engineers, scientists and research project managers in a range of research areas and industries.

#### **Free subscription**

To view a sample copy and subscribe today, visit www.esrf.eu/UsersAndScience/Publications/Newsletter

**Did you know?** ESRFnews has more than **30,000** readers worldwide

# **Careers support**

Discover what's out there.

# brightrecruits brightrecruits.com

The online jobs board for international jobs and courses in physics and engineering. Jobseekers can find some of the most sought-after roles with leading employers, including Fermilab, Siemens, MIT and CERN.

**brightrecruits**<sup>™</sup> is a recruitment service that connects employers from different industry sectors with jobseekers who have a background in physics and engineering.

Published by IOP Publishing, an integral part of the Institute of Physics, **brightrecruits** highlights the many different career opportunities available to physics graduates with comprehensive job listings, recruiter information and a powerful search tool for finding relevant vacancies. At all stages of your career – whether you're an undergraduate, graduate, researcher or industry professional – we can help find the right job for you.

#### Did you know?

Set your search preferences and get only the most relevant jobs sent to your inbox as and when they arrive

Did you know? More than 21,000 jobseekers are already registered



# **Physics World Careers**

#### physicsworld.com/careers

This annual publication from *Physics World* showcases the diverse range of career opportunities available to physics graduates.

Containing an extensive employer directory powered by **brightrecruits**, insightful case studies and sound career advice, *Physics World Careers* helps early-career scientists make informed choices about their future.

#### Did you know?

*Physics World Careers* is a must-read for all new STEM graduates and early-career scientists



**Cover image:** inspired by a figure showing individual field contributions from the two point charges in a dipole, before vector combination **S J A McLeod and R J McLeod** 2019 *Eur. J. Phys.* **40** 025202.

# **IOP** Publishing | science first