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.
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## 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](https://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](https://iopscience.org/jphyscomplexity)

**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](https://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](https://iopscience.org/ijem)

**Machine Learning: Science and Technology**
A multidisciplinary, open access journal publishing high-quality research on the application and development of machine learning for the sciences.

[iopscience.org/mlst](https://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](https://iopscience.org/psj)

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**NEWS**

**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](https://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**

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Applied Physics Express

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Print ISSN 1882-0778
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The Astronomical Journal

Volume 159–160
Frequency 12
Online ISSN 1538-3881
CODEN ANJOAA

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Volume 888–905
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Biofabrication

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Volume 12
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Online ISSN 1758-5090
CODEN BIOFFN

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Biomedical Materials

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Volume 15
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CODEN BMBUCS

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Chinese Physics B
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Online ISSN 2057-1976
CODEN BPEEAE

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Frequency 6
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\textsc{Impact factor} 1.858
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.

Online archive
1962–2020 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/jjap

Partners
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• Russian Academy of Sciences
• London Mathematical Society

IMPACT FACTOR
1.471
Journal of Breath Research

iopscience.org/jbr

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™ (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 breath-related 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
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Scientific director
Viatcheslav Mukhanov, Arnold Sommerfeld Center for Theoretical Physics, Munich, Germany

Journal of Cosmology and Astroparticle Physics (JCAP) is an electronic-only 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.

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2003–2009 available in the IOP Journal Archive

Partner
International School for Advanced Studies (SISSA)
**Journal of Instrumentation**

**iopscience.org/jinst**

**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.

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**Partner**  
International School for Advanced Studies (SISSA)

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**Journal of Micromechanics and Microengineering**

**iopscience.org/jmm**

**Volume** 30  
**Frequency** 12  
**Online ISSN** 1361-6439  
**Print ISSN** 0960-1317  
**CODEN** JMMIEZ

**Editor-in-chief**  
Professor Weileun Fang, National Tsing Hua University, Taiwan

*A leading journal in its field, Journal of Micromechanics and Microengineering* (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  
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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™ (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.

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2004–2009 available in the IOP Journal Archive

Journal of Optics™ (JOP T) 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
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

Editor-in-chief
J A Minahan, Uppsala University, Sweden

Journal of Physics A: Mathematical and Theoretical” (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.

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IMPACT FACTOR
2.110

Journal of Physics B: Atomic, Molecular and Optical Physics

iopscience.org/jphysb

Volume 53
Frequency 24
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” (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 high-interest articles published in the journal

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- Wu-Ming Liu, Institute of Physics, Chinese Academy of Sciences, China
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*Journal of Physics Communications*™ 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**
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**Editor-in-chief**
Gianfranco Pacchioni Università degli Studi di Milano-Bicocca, Italy

*Journal of Physics: Condensed Matter*™ (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

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Journal of Physics D: Applied Physics
iopscience.org/jphysd

Volume 53
Frequency 50
Online ISSN 1361-6463
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™ (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.

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IMPACT FACTOR 2.829

Journal of Physics G: Nuclear and Particle Physics
iopscience.org/jphysg

Volume 47
Frequency 12
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™ (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

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IMPACT FACTOR 3.534
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.

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**Partner**

The Society for Radiological Protection

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**Editor-in-chief**

R Wakeford, The University of Manchester, UK

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

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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

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

Partner
International School for Advanced Studies (SISSA)

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Journal of the Electrochemical Society

iopscience.org/jes

Editor-in-chief
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

*Editor-in-chief*

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

**Volume** 1  
**Frequency** 4  
**Online ISSN** 2632-072X  
**CODEN** JPCOGQ

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**JPhys Energy**

iopscience.org/jphysenergy

*Editor-in-chief*

John Irvine, University of St Andrews, UK

*JPhys Energy*™ (JENERGY) 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

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**JPhys Materials**

iopscience.org/jphysmaterials

**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™* (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

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**JPhys Photonics**

iopscience.org/jphysphotronics

**Volume** 2  
**Frequency** 4  
**Online ISSN** 2515-7647  
**CODEN** JPPOKR

**Editor-in-chief**  
Hugo Thienpont, Vrije Universiteit Brussel, Belgium

*JPhys Photonics™* (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/jphysphotronics

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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.

IMPACT FACTOR
1.231

Laser Physics Letters
iopscience.org/lpl

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

Partner
Astro Ltd.

IMPACT FACTOR
2.328
Machine Learning: Science and Technology

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™ (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
- AI and machine learning in biology and medicine
- applications of machine learning in geoscience (including natural disaster prediction) and climatology
- applied algorithms

Materials Research Express

iopscience.org/mrx

Volume 7
Frequency 12
Online ISSN 2053-1591
CODEN MREAC3

Editor-in-chief
M Meyyappan, NASA Ames Research Center, CA, USA

Materials Research Express™ (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

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™* (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

Methods and Applications in Fluorescence

Editor-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™* (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
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* (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
Editors-in-chief

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

*Multifunctional Materials*™ (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 invited-only Topical Reviews on themes of particular current interest to the community.

**Online archive**

2018–2020 available free with journal subscription

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Editors-in-chief

M Reed, Yale University, CT, USA

*Nano Futures*™ 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

Volume 31
Frequency 50
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CODEN NNOTER

Editor-in-chief
Ray LaPierre, McMaster University, Canada

*Nanotechnology*™ (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.

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IMPACT FACTOR
3.399

New Journal of Physics
www.njp.org

Volume 22
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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
- Deutsche Physikalische Gesellschaft
- Institute of Physics

IMPACT FACTOR
3.773

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Nonlinearity

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.

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Partner
London Mathematical Society

IMPACT FACTOR
1.729

Nuclear Fusion

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

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Partner
International Atomic Energy Agency (IAEA)

IMPACT FACTOR
3.516
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.

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1970–2009 available in the IOP Journal Archive

Official Journal of
Sociedad de Biofisicos Latino Americanos (SOBLA)
Physics Education

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.

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Physics in Medicine & Biology

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.

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Partner
Institute of Physics and Engineering in Medicine
Physiological Measurement

jopscience.org/pmea

Volume: 41
Frequency: 12
Online ISSN: 1361-6579
CODEN: PMEA3

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.

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Partners
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IMPACT FACTOR
2.246
The Planetary Science Journal
iopscience.org/psj

Volume 1
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.

Partner
American Astronomical Society

Plasma Physics and Controlled Fusion
iopscience.org/ppcf

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CODEN PPCFET

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Plasma Physics and Controlled Fusion” (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.

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IMPACT FACTOR
2.799
Plasma Research Express

iopscience.org/prex

Volume 2
Frequency 4
Online ISSN 2516-1067
CODEN PRELCZ

Editor-in-chief
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Plasma Research Express™ (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

Plasma Science and Technology

iopscience.org/pst

Volume 22
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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

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Partners
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- Chinese Society of Theoretical and Applied Mechanics

IMPACT FACTOR
1.193
Plasma Sources Science and Technology

iopscience.org/psst

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• 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*™ (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-to-date papers available in the field.

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Progress in Biomedical Engineering

iopscience.org/prgb

Editor-in-chief
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Progress in Biomedical Engineering™ (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:
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• 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

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**Progress in Energy**

**Editor-in-chief**
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*Progress in Energy*™ (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:
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- 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

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**Publications of the Astronomical Society of the Pacific**

**Editor-in-chief**
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**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 received 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

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**Partner**
Astronomical Society of the Pacific

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**IMPACT FACTOR**
3.470
Quantum Electronics
iopscience.org/qe

Volume 50
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Print ISSN 1063-7818
CODEN QUElez

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Associate editors
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- 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.

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Partners
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- Russian Academy of Sciences

Quantum Science and Technology
iopscience.org/qst

Volume 5
Frequency 4
Online ISSN 2058-9565
CODEN QSTUAH

Editor-in-chief
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Regional editors
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Quantum Science and Technology™ (QST) is a multidisciplinary, high-impact 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, quantum 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.

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Partners
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- Russian Academy of Sciences
Reports on Progress in Physics

iopscience.org/ropp

Volume 83
Frequency 12
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Print ISSN 0034-4885
CODEN RPPHAG

Editor-in-chief
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Deputy editor
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Reports on Progress in Physics™ (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.

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Research in Astronomy and Astrophysics

iopscience.org/raa

Volume 20
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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:
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• high-energy and cataclysmic processes in astrophysics
• formation and evolution of stars
• astrogdynamics
• 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
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Partners
• Chinese Astronomical Society
• National Astronomical Observatories, Chinese Academy of Sciences
Russian Chemical Reviews

iopscience.org/rcr

Volume 89
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CODEN RCRVAB

Editor-in-chief
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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, nanotechnology, and environmental chemistry. RCR appeals to all scientists working with chemistry, physical chemistry, chemical physics, materials science, nanochemistry, nanostructures and nanotechnologies.

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IMPACT FACTOR
4.612

Russian Mathematical Surveys

iopscience.org/rms

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CODEN RCRVAB

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.

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IMPACT FACTOR
2.038
Semiconductor Science and Technology

Editor-in-chief
Koji Ishibashi, Advanced Device Laboratory, RIKEN, Japan

Semiconductor Science and Technology (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
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Volume 35
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Print ISSN 0268-1242
CODEN SSTEET

IMPACT FACTOR
2.654

Editor-in-chief
B S Kashin, 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.

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IMPACT FACTOR
1.057

Editor-in-chief
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Sbornik: Mathematics 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.

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Editor-in-chief
B S Kashin, Steklov Mathematical Institute of Russian Academy of Sciences, Moscow, Russia

Sbornik: Mathematics 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.

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IMPACT FACTOR
1.057
Smart Materials and Structures

Smart Materials and Structures™ (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, 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

Editor-in-chief
C S Lynch, University of California, Los Angeles, USA

Volume
29
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12
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0964-1726
CODEN
SMSTER

Superconductor Science and Technology

Superconductor Science and Technology™ (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™, 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.

Editor-in-chief
C Foley, CSIRO, Lindfield, Australia

Volume
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