

# 2023 Product Guide



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AIP Supports the Community

# About AIP Publishing

Our mission is to advance, promote, and serve the physical sciences for the benefit of humanity by breaking barriers to open, equitable research communication and empowering researchers to accelerate global progress.

We are committed to ensuring all findings with the potential to advance the physical sciences are presented, promoted, and permanently available as the building blocks of future discoveries. Connecting our authors and readers to a living legacy of published science, to peers and institutions across the globe, and to services, tools, and platforms that expand the impact and reach of their work is key to advancing discovery.

Even as the scholarly publishing universe continues to change, our commitment to the scientific community will always remain constant.

## Industry Initiatives and Partnerships

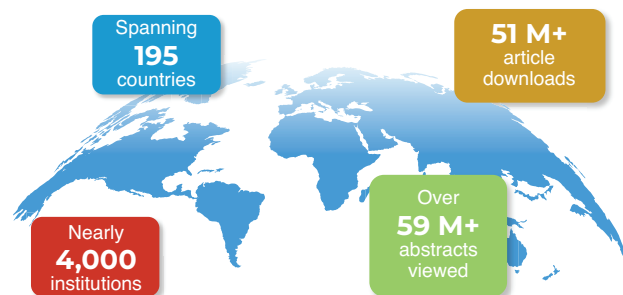
We participate in numerous industry initiatives and partnerships supporting and safeguarding the flow of scholarly content to the science community.



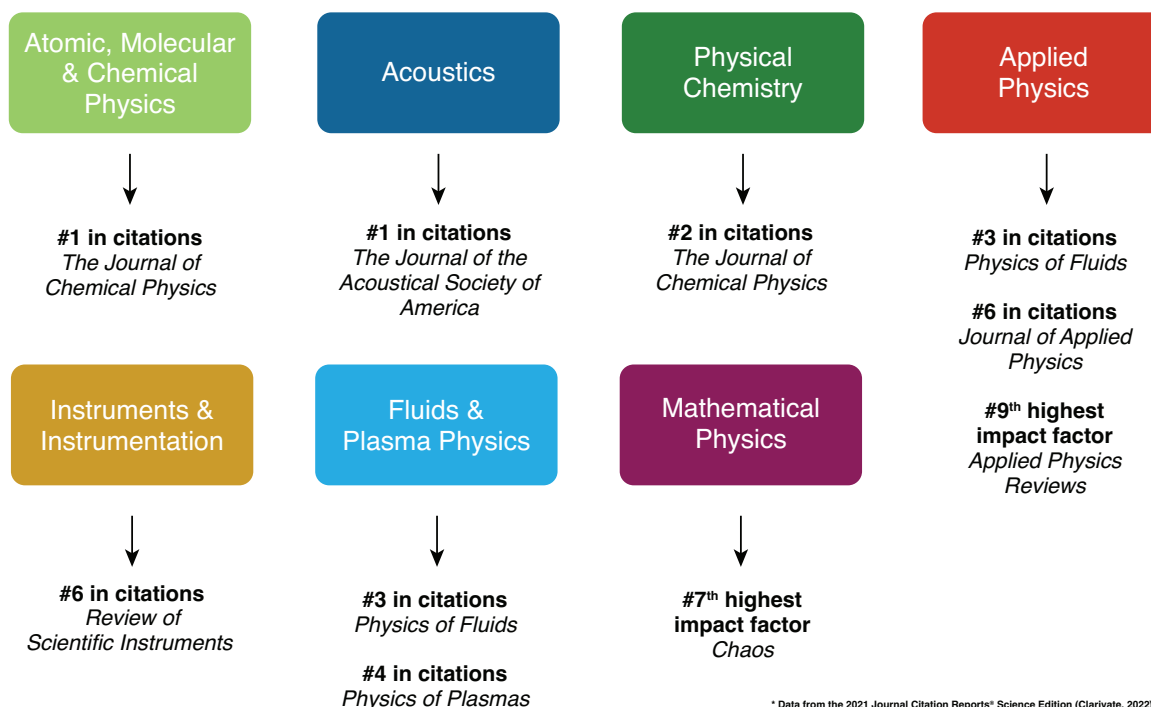
# Global Reach and Outstanding Quality

## Global Dissemination

Researchers from nearly **4,000 institutions** spanning **195 countries** across the world access **59+ million abstracts** and download **51+ million articles** annually.

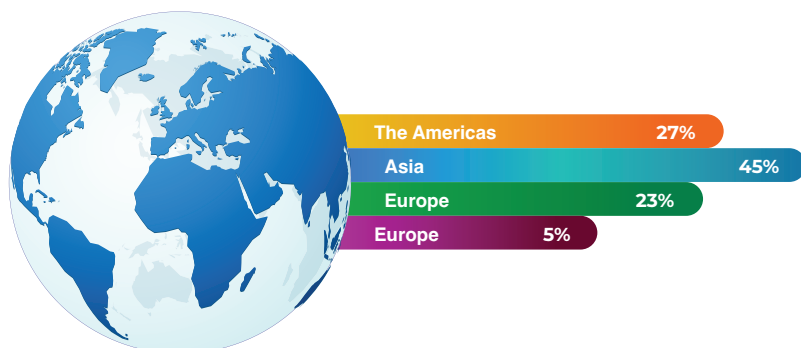


## Outstanding Quality



## Global Authorship

In 2021, more than **16,000\*\* articles** were published from a global community of scientists.



# Access Options

librarians.aip.org

## Read & Publish

We make research open and accessible through tailored Read & Publish agreements with academic and research institutions. These partnerships aim to increase open access output and expand the reach of scientific discoveries across the physical sciences.

Researchers, faculty, and students at institutions with a Read & Publish agreement are able to access and download subscribed content from **scitation.org**. Articles with a corresponding author from participating institutions will be published open access in our hybrid journals, making research output compliant with funder mandates and more visible and accessible to the scientific community.



A simple workflow for authors and an integrated account management system for institutions makes publishing open access through a Read & Publish agreement seamless for everyone. Administrators receive regular usage reports and activity notifications to help monitor publication output and see which articles have been published open access. <https://publishing.aip.org/read-and-publish>

## AIP Complete

**Access to our entire portfolio - [librarians.aip.org/complete](https://librarians.aip.org/complete)**

Offering the research community access to highly-cited, peer-reviewed publications including all subscription publications from AIP Publishing, Physics Today, AIP Conference Proceedings, and our publishing partner journals. AIP Complete provides your researchers with access to 29 publications that offer the most current advances as well as an archive of foundational research from notable scientists and Nobel Prize winners to inspire future discoveries. **Spanning the physical sciences, AIP Complete encompasses 1M+ articles.**

### Subscription Options Available:

- **Frontfile (1999-present) + Backfile (1929-1998)**
- **Frontfile (1999-present) + Backfile (1929-1998) + Print\***

*\* as available*

## Digital Archives

### Purchase the complete Digital Archive.

AIP Publishing's digital archives offer researchers permanent access to 447k+ influential articles from AIP Publishing and our publishing partners. Dating back to 1929, this timeless collection provides scientific advancements and field-defining discoveries from Nobel Prize winners and notable scientists across the physical sciences.

Institutions have the option to purchase the full archive (AIP Digital Archives) or choose the journals best suited for their collection (DA Choice).

*Customers who purchased the Digital Archives prior to 2019 should contact their sales representative to learn how they can add the newest journals to their package to secure permanent access for their users.*



## AVS Bundled Package

Five journals covering thin films, MEMS & NEMS, interfaces, and surface science; as well as biological interfaces, quantum science, atomic layer deposition, and nanotechnology. *Surface Science Spectra* is included in the package and concentrates on data reproducibility. Content available back to 1964 where available.

### Includes access to:

- *AVS Quantum Science*
- *Biointerphases*
- *JVSTA: Vacuum, Surfaces, and Films*
- *JVSTB: Nanotechnology and Microelectronics*
- *Surface Science Spectra*



### Access options:

- Frontfile only (1999-present)
- Frontfile + Backfile (1964-present)

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## Fluids & Plasma Research Package

Online access to three highly regarded publications for fluids and plasmas researchers dating back to 1929. Access to content is available as Frontfile only (1999-present) or Backfile + Frontfile (1929-present).

### Include access to:

- *Physics of Fluids*
- *Physics of Plasmas*
- *Journal of Rheology*

Contact your local Sales Manager  
to learn which package is right for  
your institution.

sales@aip.org • +1800.344.6902 • +1516.576.2413

# AIP Publishing Books

## Designed for Today's Scientists

**Available on [scitation.org/books](https://scitation.org/books)**

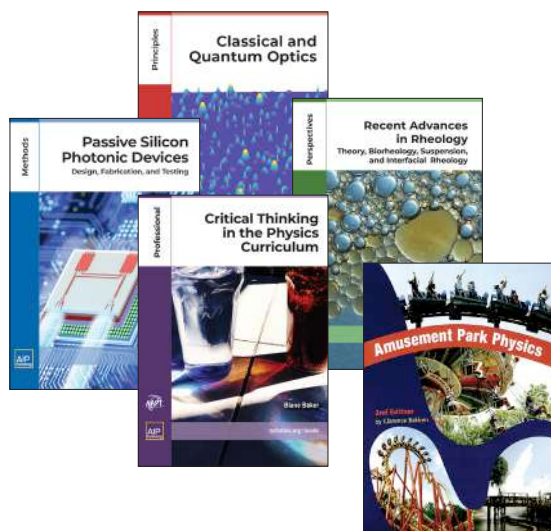
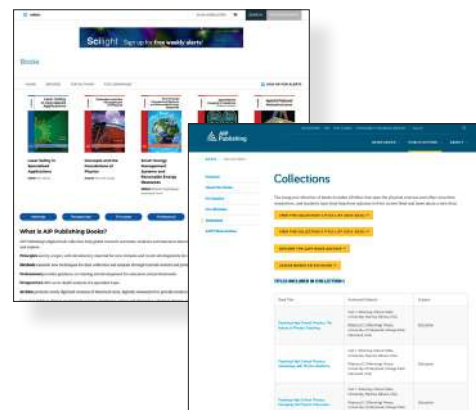
Our books drive discovery, enable learning, and encourage best practices in scientific analysis. The collections include newly published and digitized classic texts spanning the breadth of the physical sciences. They offer scientists, researchers, students, and practitioners tools to help them advance in their current field or learn about a new area of study.

**Readers gain insight into their area of expertise and discover:**

- New developments in the physical sciences
- Updated techniques for data collection and analysis
- Key concepts in new and emerging areas of science

**Key Features:**

- **Multiple formats** for access on-the-go
- **CrossRef linking** on reference lists
- **IP authentication**, no individual log-in required
- **No digital rights management (DRM)**
- **Figure viewer** for easy exploration of images that are downloadable and citable



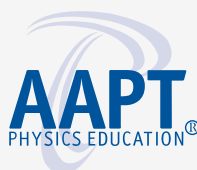
Learn more about our books  
[publishing.aip.org/books](https://publishing.aip.org/books)



All first chapters are FREE to read!  
[scitation.org/ebooks](https://scitation.org/ebooks)



Select books are co-published with **The American Association of Physics Teachers (AAPT)**. These titles feature recently published content as well as remastered classics that focus on training and development resources for physics educators and professionals.



Contact your sales manager  
for access options  
[sales@aip.org](mailto:sales@aip.org)

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# Open Science

**Our mission is to accelerate science and disseminate new research results to scientists worldwide.**

Our commitment to open science spans our entire publication portfolio. We publish ten fully open access journals, and our Author Select option enables authors to make their paper open access in all our other titles.

Our open access journals use a CC BY license, the most liberal Creative Commons license which allows authors to reuse and distribute their work without restrictions. Our hybrid journals use an author friendly license to publish, allowing researchers to retain copyright to their published work. We encourage all authors to post accepted versions of their articles to their personal website or employee webpage immediately after acceptance and to deposit the accepted version in an institutional or funder designated repository.

AIP Publishing, through participation in the CHORUS initiative, makes publicly available the Accepted Manuscript version of an article in response to government or funder requirements 12 months after publication. AIP Publishing continues to work in tandem with representatives from the library and research communities as well as funding agencies to develop sustainable solutions for public access.



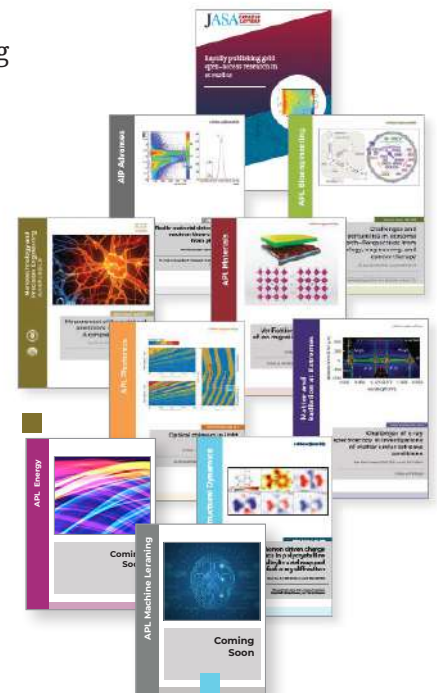
MEMBER OF  
OASPA

## Open Access

Articles published in a fully Open Access journal are freely available to read, download, and share. Publication is funded by an Article Processing Charge (APC) paid by the author or another sponsor.

### Our ten Open Access journals:

- *AIP Advances*
- *APL Bioengineering*
- *APL Energy (new in 2023)*
- *APL Machine Learning (new in 2023)*
- *APL Materials*
- *APL Photonics*
- *JASA Express Letters*
- *Matter and Radiation at Extremes*
- *Nanotechnology and Precision Engineering*
- *Structural Dynamics*



## Open Data

We believe that all datasets underlying the conclusions of a paper should be available to readers. We encourage authors to deposit their datasets in publicly available repositories or present them in the main manuscript. All published articles include a data availability statement that informs readers where the data can be found. Linked data is cited in the references.

# The Scitation Platform

Scitation offers a seamless interface for users to access content and administrators to manage their account. After logging into your scitation.org account:

## Administrators can:

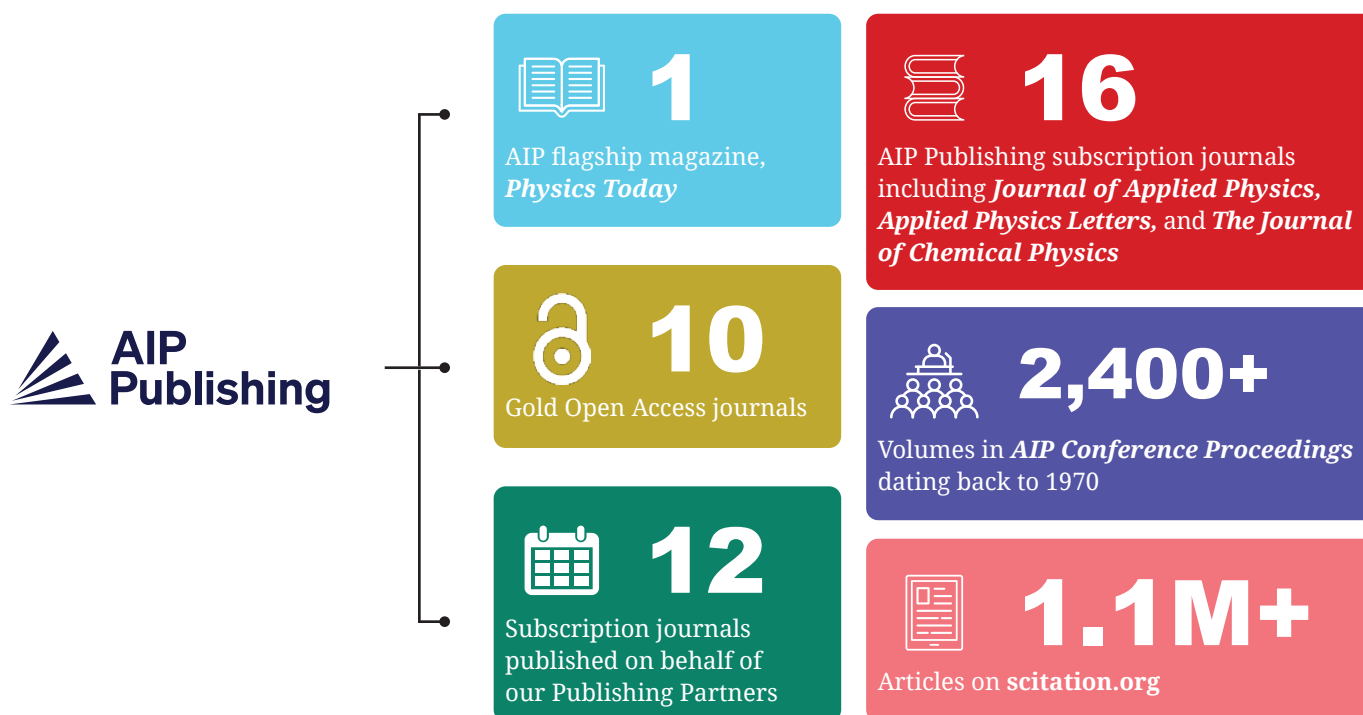
- **Manage** account holdings, admin rights, IP ranges, and more
- **Update branding** so your users know access is being provided by their institution
- **Review and analyze** COUNTER usage statistics

## Users can take advantage of:

- **24/7 online access** to subscribed and OA publications
- **Fully searchable** platform with the capability to save searches
- **One-click** social media sharing
- **Optimized display** across mobile devices and browsers
- **Improved speed** allowing for faster navigation and search functionality
- **Remote access** allowing you to access content from anywhere, anytime
- **View trending articles** and free access to all supplementary material



## Facts & Figures



# Publications



**AIP Advances** is an open access, multidisciplinary journal covering all areas of the physical sciences—experimental, theoretical, and applied. The inclusive scope and publication standards of *AIP Advances* make it an essential outlet for scientists across the physical sciences.

#### Coverage:

All areas of applied, theoretical, and experimental physical science research

#### Deputy Editors:

**Javier Garay**  
University of California,  
San Diego, San Diego, CA, USA

**A.T. Charlie Johnson, Jr.**  
University of Pennsylvania  
Philadelphia, PA, USA

**Ben Slater**  
University College London  
London, UK

**Masaaki Tanaka**  
The University of Tokyo  
Tokyo, Japan

**Enge G. Wang**  
Peking University  
Beijing, P.R. China

**Journal Impact Factor: 1.697\***  
2023: Volume 13, 12 issues  
(online only)  
E-ISSN: 2158-3226  
[aip.scitation.org/journal/adv](http://aip.scitation.org/journal/adv)



**AIP Conference Proceedings** contain over 100,000 articles published in more than 2,000 proceedings since its inception in 1970. Each year approximately 100 new volumes (some 10,000 papers) are added to this substantial body of scientific literature. Published conference proceedings are valuable as topical status reports providing quick access to information before it appears in the traditional journal literature. From the early career researcher to the Nobel Prize winning scientist, *AIP Conference Proceedings* is an essential platform to facilitate communication and advances within the scientific research community.

#### Coverage:

All areas of physical sciences in applied, theoretical, and experimental research

ISSN: 0094-243X  
E-ISSN: 1551-7616  
[aip.scitation.org/journal/apc](http://aip.scitation.org/journal/apc)



**APL Bioengineering** is an open access journal publishing articles specific to the understanding and advancement of physics and engineering of biological systems. The journal serves the bioengineering and biomedical research communities by publishing original research articles, reviews, and perspectives.

#### Coverage:

All areas of bioengineering including: biofabrication and bioprinting; biomedical instrumentation and imaging; biomedical microdevices and sensors; biomimetic materials, devices, and processes; biophotonics; cell and molecular biophysics; cell and tissue engineering; drug delivery and gene therapy; engineered living systems; genome engineering; molecular, cell, and tissue biomechanics; regenerative medicine; soft robotics; stem cell engineering; systems biology and computational biology

#### Editor-in-Chief:

**Justin Cooper-White**  
University of Queensland  
Brisbane, Australia

**Indexed in Web of Science and Pubmed;**  
2023: Volume 7, 4 issues  
(online only)  
E-ISSN: 2473-2877  
[aip.scitation.org/journal/aph](http://aip.scitation.org/journal/aph)



**APL Energy** is a new open access journal featuring interdisciplinary research from physics, chemistry, materials science, engineering, and related fields and aims to integrate basic research and technological innovation. The journal also considers research articles, comprehensive reviews, and perspectives article types.

#### Coverage:

Applications of energy storage and conversion; energy generation and harvesting; energy sources and materials; renewable energy and sustainability

2023: Volume 1, 12 issues per year  
(online only)  
E-ISSN: 2770-9000  
[publishing.aip.org/apl-energy](http://publishing.aip.org/apl-energy)





**APL Machine Learning** is a new open access journal featuring vibrant and timely research from two communities, researchers who use machine learning (ML) and data-driven approaches for physical sciences and related disciplines and researchers who work on developing novel concepts, including materials, devices, systems, and algorithms for future AI/ML technologies. The journal also considers research that substantially describes quantitative models and theories, especially if the research is validated with experimental results.

**Coverage:**  
Scientific ML; ML-led accelerated materials discovery and development, physics-aware ML predictive models, Interpretable ML for scientific discovery, data-driven empirical models, neuromorphic materials and systems, unconventional computing using physical substrates, brain-inspired artificial systems, energy efficient AI/ML systems

**Editor-in-Chief:**  
**Adnan Mehonic**  
University College London, UK

2023: Volume 1, 12 issues per year (online only)  
E-ISSN: 2770-9019  
[publishing.aip.org/apl-machine-learning](https://publishing.aip.org/apl-machine-learning)

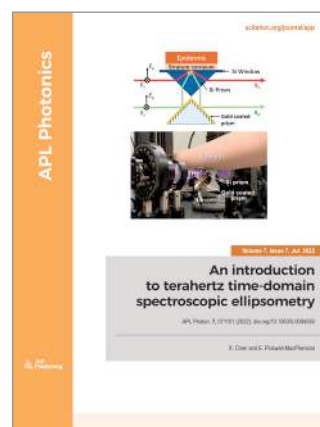


**APL Materials** is an open access journal that features original research on significant topical issues within the field of materials science. The journal also publishes perspectives, research updates, roadmaps, and special topic collections on emerging areas in materials science.

**Coverage:**  
All areas of materials science including: nanomaterials and nanostructures; electronic, magnetic and optical materials; organic materials; polymers; biomaterials; energy and environment materials; carbon and amorphous materials; general functional materials

**Editor-in-Chief:**  
**Judith L. MacManus-Driscoll**  
University of Cambridge  
Cambridge, UK

**Journal Impact Factor: 6.635\***  
2023: Volume 11, 12 issues (online only)  
E-ISSN: 2166-532X  
[aip.scitation.org/journal/apm](https://aip.scitation.org/journal/apm)



**APL Photonics** is the dedicated home for open access multidisciplinary research from and for the photonics community. The journal publishes fundamental and applied results that significantly advance the knowledge in photonics across physics, chemistry, biology, and materials science. It welcomes high-quality original contributions to the science of light and the technology that generates, controls, and detects photons.

**Coverage:**  
Light sources; nonlinear optics; optoelectronics; nanophotonics; plasmonics; biophotonics and biomedical optics; ultrafast photonics; optical communications; quantum photonics; optical imaging; photovoltaics; guided wave optics; sensors; terahertz

**Editor-in-Chief:**  
**Benjamin Eggleton**  
Sydney Nano, School of Physics  
University of Sydney, Australia

**Journal Impact Factor: 6.382\***  
2023: Volume 8, 12 issues (online only)  
E-ISSN: 2378-0967  
[aip.scitation.org/journal/app](https://aip.scitation.org/journal/app)



**American Journal of Physics** is the archival journal of the American Association of Physics Teachers. The journal is devoted to the instructional and cultural aspects of physical science. Geared toward teaching at the college level, content covers novel approaches to laboratory and classroom instruction, insightful articles on topics in classical and modern physics, apparatus notes, historical and cultural topics, and book reviews.

**Coverage:**  
Physics topics taught at the undergraduate and graduate level; current research in physics and related areas; suggestions for instructional laboratory equipment; demonstrations and teaching methodologies; information on historical, philosophical, and cultural aspects of physics; annotated lists of resources; book reviews

**Editor:**  
**Beth Parks**  
Colgate University, Hamilton, NY, USA

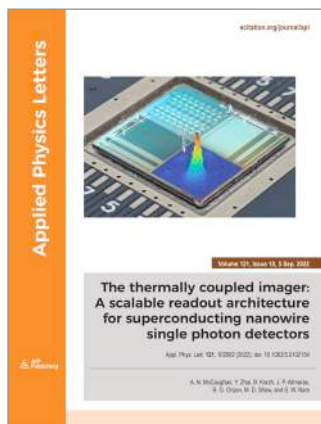
**Journal Impact Factor: 0.835\***  
2023: Volume 91, 12 issues per year  
ISSN: 0002-9505  
E-ISSN: 1943-2909  
[aapt.scitation.org/journal/ajp](https://aapt.scitation.org/journal/ajp)

Published on behalf of:





# Publications



**Applied Physics Letters** emphasizes rapid dissemination of key data and new physical insights, offering prompt publication of new experimental and theoretical papers related to applications of physics phenomena in all branches of science, engineering, and modern technology. The journal also publishes perspectives and special topic collections focusing on areas of emerging interest.

## Coverage:

Photonics and optoelectronics; surfaces and interfaces; advanced materials; semiconductors; magnetism and spintronics; superconductivity and superconducting electronics; dielectrics, ferroelectrics, and multiferroics; low-dimensional and topological materials; solution-processable electronics and photonics; device physics; biophysics, bioimaging, and biosensors; energy conversion and storage; quantum technologies; interdisciplinary applied physics; metasurfaces and metamaterials; phononic, acoustic, and thermal properties

## Editor-in-Chief:

**Lesley F. Cohen**  
Blackett Laboratory  
Imperial College London,  
London, UK

## Journal Impact Factor: 3.971\*

2023: Volumes 122 & 123,  
52 issues  
ISSN: 0003-6951  
E-ISSN: 1077-3118

[aip.scitation.org/journal/apl](http://aip.scitation.org/journal/apl)

One of the most cited  
journals in Applied Physics\*



**Applied Physics Reviews** features significant research and reviews covering all areas of applied physics. The journal's focus is on experimental and theoretical research alongside the application of physics to other branches of science and engineering. Review articles published in the journal provide in-depth coverage of new and emerging areas of interest to researchers interested in the physical sciences.

## Coverage:

Photonics, lasers, optics, and optoelectronics; device physics, characterization, and manufacturing; materials synthesis, processing, and properties; nanoscale science and technology; advanced energy materials and concepts; applied biophysics and biomaterials

## Executive Editor:

**Yujun Wang**  
AIP Publishing

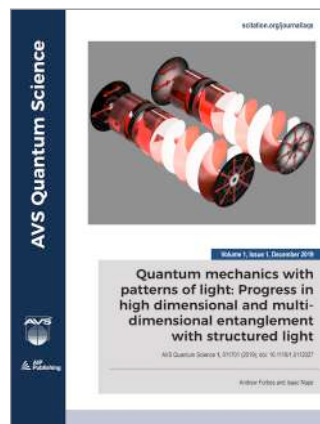
## Editor-in-Chief:

**Chennupati Jagadish**  
The Australian National University  
Canberra, Australia

## Journal Impact Factor: 19.527\*

2023: Volume 10, 4 issues  
(online only)  
E-ISSN: 1931-9401

[aip.scitation.org/journal/are](http://aip.scitation.org/journal/are)



**AVS Quantum Science**, copublished by AIP Publishing and AVS, is a truly interdisciplinary journal bridging some of the most important research areas, including: condensed matter, atomic, molecular and optical physics, to biology, chemistry, and materials science, to computer science and engineering, all through the foundations of quantum science.

## Coverage:

Quantum engineering, quantum materials, quantum photonics, quantum biology, quantum chemistry, quantum communication, quantum sensing and metrology, quantum measurement technology, atoms and molecules in quantum devices, superfluid and superconductors in quantum devices, quantum computers and software, materials and methods for quantum devices, macroscopic and hybrid quantum systems

## Editor-in-Chief:

**Philippe Bouyer**  
Institute of Optics of Aquitaine  
Talence, France  
2023: Volume 5, 4 issues  
ISSN: 2639-0213

[avs.scitation.org/journal/aqs](http://avs.scitation.org/journal/aqs)

## Published on behalf of:



**Biointerphases** is an interdisciplinary, peer-reviewed journal featuring all aspects of quantitative soft matter interfaces: chemistry, physics, engineering, theory, and modeling.

## Coverage:

Interface spectroscopy; in vivo and in vitro mechanisms; interface modeling; adhesion phenomena; protein-surface interactions; biomembranes on a chip; biofouling; cell-surface interactions; biosensors / bionanotechnology; bio-surface modification; the nano-bio interface; biotribology / biorheology; molecular recognition; cell patterning for function; polyelectrolyte surfaces; ambient diagnostic methods

## Editor-in-Chief:

**Tobias Weidner**  
Aarhus University, Denmark

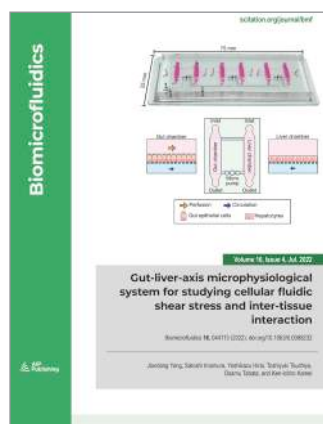
## Journal Impact Factor: 1.961\*

2023: Volume 18, 6 issues  
ISSN: 1934-8630  
E-ISSN: 1559-4106

[avs.scitation.org/journal/bip](http://avs.scitation.org/journal/bip)

## Published on behalf of:





**Biomicrofluidics** publishes research highlighting fundamental physiochemical mechanisms associated with microfluidic and nanofluidic phenomena as well as novel microfluidic and nanofluidic techniques for diagnostic, medical, biological, pharmaceutical, environmental, and chemical applications.

#### Coverage:

Microfluidic and nanofluidic actuation; liquid biopsy; cell sorting, manipulation, and transfection; molecular separation and concentration; cell culture and analysis; genomic and proteomic analysis; biosensors; biophysical transport and characterization; wetting, nano-rheology, and droplet platforms; pathogen detection and point-of-care diagnostics; ionophore sensors; biochip fabrication and manufacturing; drug delivery and discovery platforms; biomaterials synthesis and tissue engineering; fuel and solar cells

#### Editor-in-Chief:

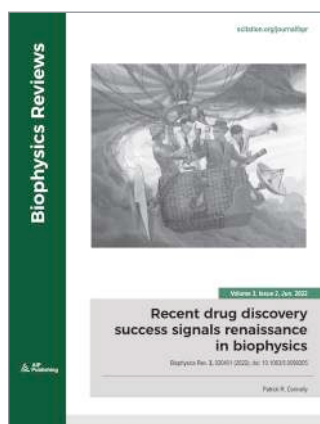
**Leslie Y. Yeo**  
RMIT University  
Melbourne, Australia

#### Journal Impact Factor: 3.258\*

2023: Volume 17, 6 issues  
(online only)

E-ISSN: 1932-1058

[aip.scitation.org/journal/bmf](http://aip.scitation.org/journal/bmf)



**Biophysics Reviews** features authoritative reviews and original research covering all areas of biophysics. The journal publishes research studies of high quality and comprehensive review articles of new and emerging areas of interest to the biophysics community. The journal's focus includes experimental and theoretical research of fundamental issues in biophysics in addition to the application of biophysics in other branches of science, medicine, and engineering.

#### Coverage:

Biomechanics; biomaterials; biosensors; bioelectronics; bio- and tissue engineering; bioprinting; soft robotics; biomedical instrumentation; bioimaging; computational biology and genomics; drug delivery

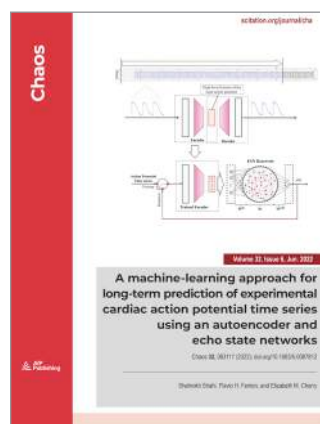
#### Executive Editor:

**Yujun Wang**  
AIP Publishing

#### Editor-in-Chief:

**Kit Parker**  
Harvard University, Cambridge,  
MA, USA

2023: Volume 4, 1 issue  
(online only) E-ISSN: 2688-4089  
[aip.scitation.org/journal/bpr](http://aip.scitation.org/journal/bpr)



**Chaos** is devoted to increasing the understanding of nonlinear phenomena and describing the manifestations in a manner comprehensible to researchers from a broad spectrum of disciplines.

#### Coverage:

Nonlinear dynamics & complex systems; bifurcations and multistability; nonlinear time series analysis and methods; classical and quantum chaos; synchronization; reaction-diffusion systems, coherent structures, and pattern formation; complex networks; adaptive and evolving systems; stochastic dynamics; statistical mechanics and applications; nonlinear waves and solitons; nonlinear dynamics of computation; applications of nonlinear phenomena in other fields

#### Editor-in-Chief:

**Jürgen Kurths**  
Potsdam Institute for Climate  
Impact Research and  
Humboldt-Universität zu Berlin,  
Germany

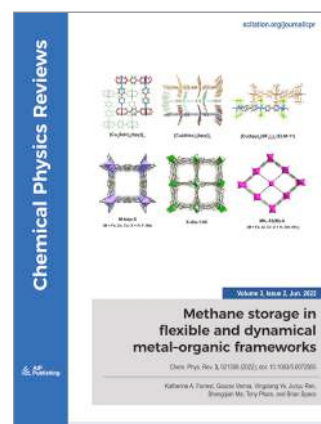
#### Journal Impact Factor: 3.741\*

2023: Volume 33, 4 print issues  
(12 monthly online issues)

ISSN: 1054-1500

E-ISSN: 1089-7682

[aip.scitation.org/journal/cha](http://aip.scitation.org/journal/cha)



**Chemical Physics Reviews** is a new journal featuring research articles and authoritative reviews covering all areas of chemical physics. The journal publishes research studies of high quality and comprehensive review articles of new and emerging areas of interest to the chemical physics community. CPR's focus includes experimental and theoretical research of fundamental issues in chemical physics and its applications in other branches of science, medicine, and engineering.

#### Coverage:

Catalysis; computational chemical physics; dynamics in chemical physics; energy storage & conversion; environmental & green chemistry; material surfaces & interfaces; nanoscience, photonics; polymers & soft matter; supramolecular chemistry; quantum information science

#### Executive Editor:

**Yujun Wang**  
AIP Publishing

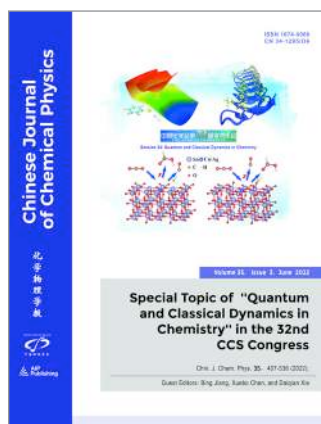
#### Editor-in-Chief:

**Felix N. Castellano**  
North Carolina State University,  
Raleigh, NC, USA

2023: Volume 4, 1 issue  
(online only) E-ISSN: 2688-4070  
[aip.scitation.org/journal/cpr](http://aip.scitation.org/journal/cpr)



# Publications



**Chinese Journal of Chemical Physics** is devoted to reporting new and original experimental and theoretical research in interdisciplinary areas at the interface of chemistry and physics. It aims to provide comprehensive understanding of physical and chemical properties of different systems at atomic and molecular levels.

## Coverage:

Chemical physics as it applies to chemistry, physics, material and biological sciences, and their interdisciplinary areas

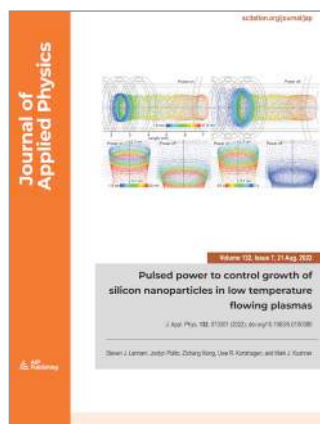
## Editor-in-Chief:

**Xue-ming Yang**  
Dalian Institute of Chemical Physics  
Dalian, China

## Journal Impact Factor: 1.090\*

2023: Volume 36, 6 issues  
ISSN: 1674-0068  
E-ISSN: 2327-2244  
[cps.scitation.org/journal/cjp](https://cps.scitation.org/journal/cjp)  
[cjcp.ustc.edu.cn](http://cjcp.ustc.edu.cn)

## Published on behalf of:



**Journal of Applied Physics** is an influential international journal publishing significant new experimental and theoretical results of applied physics research. The journal also publishes perspectives, tutorials, methods and special collections focusing on research of particular current or emerging interest.

## Coverage:

Dielectrics, ferroelectrics & multiferroics; electrical discharges, plasmas, and plasma-surface interactions; emerging, interdisciplinary, and other fields of applied physics; magnetism, spintronics, and superconductivity; organic-inorganic systems, including organic electronics; photonics, plasmonics, photovoltaics, lasers, optical materials, and phenomena; physics of devices and sensors; physics of materials, including electrical, thermal, mechanical, and other properties; physics of matter under extreme conditions; physics of nanoscale and low-dimensional systems; physics of semiconductors; quantum physics and technology; thin films, interfaces, and surfaces; soft matter, fluids, and biophysics

## Editor-in-Chief:

**André Anders**  
Leibniz Institute of Surface Modification (IOM)Leipzig, Germany

## Journal Impact Factor: 2.877\*

2023: Volumes 133 & 134, 48 issues  
ISSN: 0021-8979  
E-ISSN: 1089-7550  
[aip.scitation.org/journal/jap](https://aip.scitation.org/journal/jap)

One of the most cited journals in Applied Physics\*



**The Journal of the Acoustical Society of America** is the leading source of theoretical and experimental research results in the broad interdisciplinary subject of sound. The journal serves physical scientists, life scientists, engineers, psychologists, physiologists, architects, musicians, and speech communication specialists. *JASA Express Letters*, a component of JASA, is devoted to providing rapid and open dissemination of important new research results and technical discussion in all fields of acoustics.

## Coverage:

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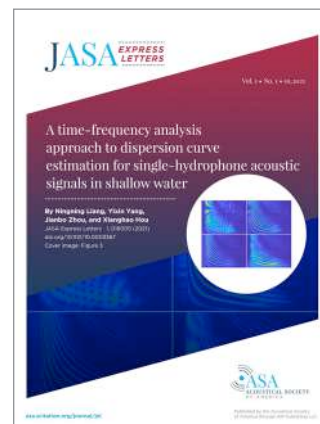
## Editor-in-Chief:

**James F. Lynch**  
Woods Hole Oceanographic Institution, Woods Hole, MA, USA

## Journal Impact Factor: 2.482\*

2023: Volumes 153 & 154, 12 issues  
ISSN: 0001-4966  
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**JASA Express Letters** is a gold open-access journal devoted to the rapid and open dissemination of important new research results and technical discussion in all fields of acoustics. It serves physical scientists, life scientists, engineers, psychologists, physiologists, architects, musicians, and speech communication specialists who wish to quickly report the results of their acoustical research in lettersized contributions.

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## Editor-in-Chief:

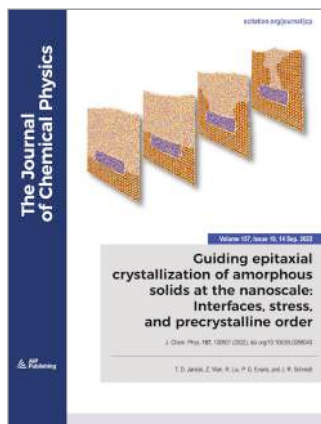
**Charles C. Church**  
University of Mississippi, MS, USA

2023 Volume 3, 12 Issues

E-ISSN: 2691-1191  
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2023: Volumes 158 & 159,  
48 issues  
ISSN: 0021-9606  
E-ISSN: 1089-7690

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#### Editor-in-Chief:

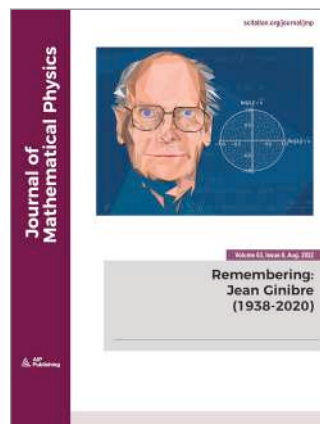
**Yongfeng Lu**  
College of Engineering  
University of Nebraska - Lincoln  
Lincoln, NE, USA

#### Journal Impact Factor: 2.521\*

2023: Volume 35, 4 issues  
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ISSN: 1042-346X  
E-ISSN: 1938-1387

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**Journal of Mathematical Physics** features content in all areas of mathematical physics. Articles focus on areas of research that illustrate the application of mathematics to problems in physics, the development of mathematical methods suitable for such applications, and the formulation of physical theories.

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University of Copenhagen  
Denmark

#### Journal Impact Factor: 1.469\*

2023: Volume 64, 12 issues  
ISSN: 0022-2488  
E-ISSN: 1089-7658

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#### Journal Impact Factor: 5.048\*

2023: Volume 52, 4 issues  
ISSN: 0047-2689  
E-ISSN: 1529-7845

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## Editor-in-Chief:

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## Journal Impact Factor: 1.933\*

2023: Volume 91, 12 issues  
ISSN: 0031-9015  
E-ISSN: 1347-4073

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**The Journal of Renewable and Sustainable Energy** is an interdisciplinary journal covering specific areas of renewable and sustainable energy relevant to the physical science and engineering communities. The journal has a strong focus on integration of disciplines for renewable power technologies at global scales that have the potential to mitigate abrupt climate change. Since volume 12, the journal has increasingly focused on discoveries related to weather-dependent renewable generation (solar and wind).

## Coverage:

Energy meteorology and energy climatology; atmospheric physics; weather-dependent energy science and engineering; renewable energy resource assessment; energy and climate; solar energy for power generation (PV, CSP, CPV); wind energy; distributed energy generation; power systems modeling; energy efficient buildings; energy storage; fuel cells; marine and hydroelectric energy; biomass for energy sector decarbonization

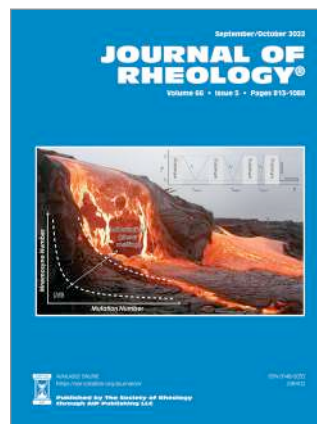
## Editor-in Chief:

**Carlos F.M. Coimbra**  
University of California  
San Diego, CA, USA

## Journal Impact Factor: 2.847\*

2023: Volume 15, 6 issues  
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E-ISSN: 1941-7012

[aip.scitation.org/journal/rse](http://aip.scitation.org/journal/rse)



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## Editor:

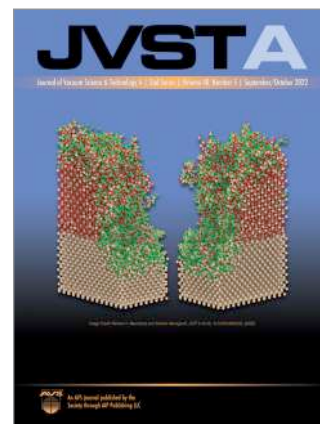
**Dimitris Vlassopoulos**  
FORTH and University of Crete  
Heraklion, Crete, Greece

## Journal Impact Factor: 4.534\*

2023: Volume 67, 6 issues  
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**Journal of Vacuum Science & Technology A** has a scope that is focused on the understanding of interfaces and surfaces at a fundamental level and to advance state-of-the-art technological applications of surface science and thin-film materials science.

## Coverage:

Applied and fundamental surface science; atomic layer deposition; electronic and photonic materials and their processing; magnetic thin films and interfaces; materials and thin films for energy conversion and storage; photovoltaics including thin-film and organic; plasma science and technology including plasma-surface interactions, diagnostics, deposition, and etching; applications of plasmas to micro- and nanoelectronics; surface engineering; thin-film deposition, etching, properties, and characterization; TEM; in-situ TEM; tribology

## Editor:

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## Journal Impact Factor: 3.234\*

2023: Volume 41, 6 issues  
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E-ISSN: 1520-8559

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## Published on behalf of:







**Journal of Vacuum Science & Technology B** covers microelectronics and nanometer structures with an emphasis on processing, measurement, and phenomena associated with micrometer, nanometer structures and devices and vacuum science and technology.

#### Coverage:

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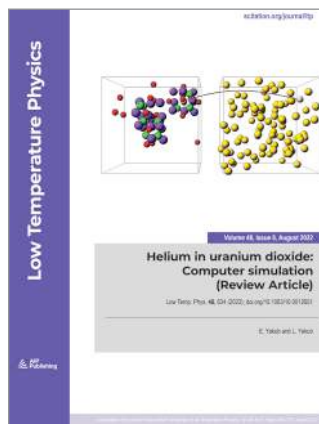
#### Editor-in-Chief:

**Eray S. Aydil**  
New York University  
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Brooklyn, NY, USA

#### Journal Impact Factor: 1.572\*

2023: Volume 41, 6 issues  
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E-ISSN: 2166-2754  
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**Low Temperature Physics** communicates the results of important experimental and theoretical studies at low temperatures.

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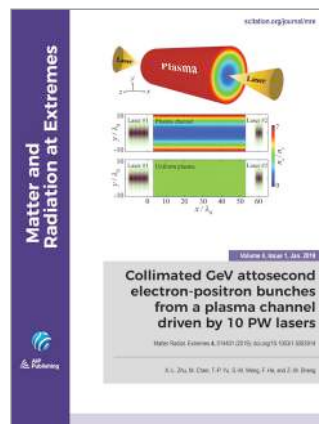
Superconductivity; quantum liquids and crystals; electronic properties of metals; disordered systems; magnetism; lattice dynamics; cryocrystals; critical phenomena

#### Associate Editor-in-Chief

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#### Journal Impact Factor: 0.891\*

2023: Volume 49, 12 issues  
ISSN: 1063-777X  
E-ISSN: 1090-6517  
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**Matter and Radiation at Extremes (MRE)** is committed to the publication of original research and comprehensive and in-depth review papers in all areas of experimental and theoretical physics on matter and radiation at extremes. MRE aims to provide a peer-reviewed Open-Access platform for the international physics community and promote worldwide dissemination of the latest and best research in related fields.

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#### Journal Impact Factor: 6.089\*

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#### Executive Editor:

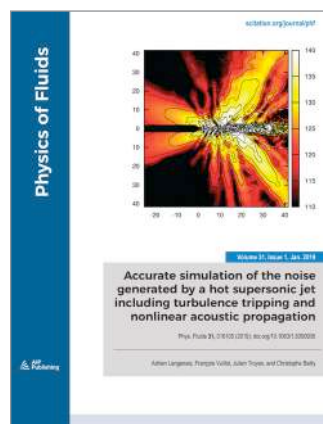
**Zurong Qiu**  
Tianjin University, China

2023: Volume 6, 4 issues  
ISSN: 1672-6030  
E-ISSN: 2589-5540  
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# Publications



**Physics of Fluids** is devoted to publishing original theoretical, computational, and experimental contributions to the understanding of the dynamics of gases, liquids, and complex or multiphase fluids.

## Coverage:

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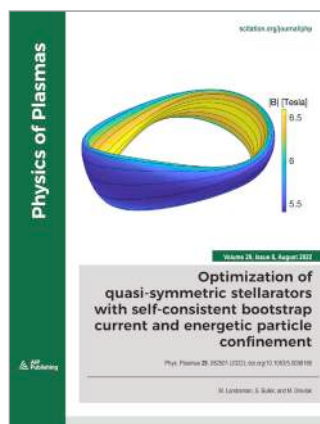
## Editor-in-Chief:

**A. Jeffrey Giacomin**  
Queen's University  
Kingston, Ontario, Canada

## Journal Impact Factor: 4.980\*

2023: Volume 35, 12 issues  
ISSN: 1070-6631  
E-ISSN: 1089-7666

[aip.scitation.org/journal/phf](http://aip.scitation.org/journal/phf)



**Physics of Plasmas**, published by AIP Publishing in cooperation with the APS Division of Plasma Physics, is committed to the publication of original research in all areas of experimental, computational, and theoretical plasma physics. *Physics of Plasmas* publishes comprehensive and in-depth review papers covering important areas of study, Special Topics highlighting new and cutting-edge developments in plasma physics. Every year a special issue publishes the invited and review papers from the most recent meeting of the APS Division of Plasma Physics.

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## Editor-in-Chief:

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Columbia University  
New York, NY, USA

## Journal Impact Factor: 2.357\*

2023: Volume 30, 12 issues  
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Published by the American Institute of Physics  
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## Journal Impact Factor: 3.938\*

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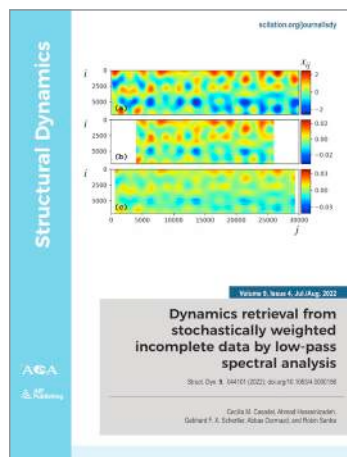
## Editor-in-Chief:

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Argonne National Laboratory  
Argonne, IL, USA

## Journal Impact Factor: 1.843\*

2023: Volume 94, 12 issues  
ISSN: 0034-6748  
E-ISSN: 1089-7623

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#### Editor-in-Chief:

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Rice University, Houston, TX, USA

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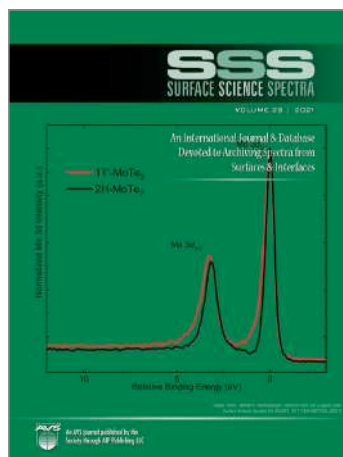
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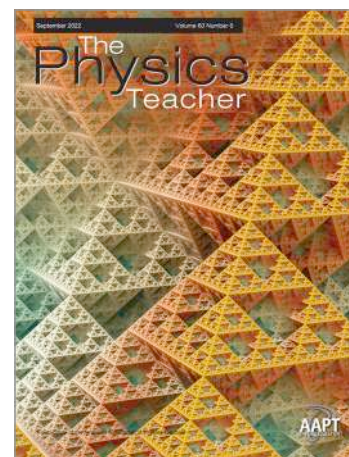
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