



# 2024 Product Guide

## **Accelerating the physical sciences.**

AIP Publishing helps brilliant work make a global impact. We're building a living network of knowledge to spark thinking, connect people, and drive new ways forward—empowering a vibrant global community using science for good.



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## Welcome to the 2024 AIP Publishing Product Guide

### Dear Librarian Community,

AIP Publishing is and always has been about advancing, promoting, and serving the physical sciences for the benefit of humanity. We believe in the importance of placing the science—and the scientists—at the very center of everything we do.

Demonstrations of that commitment can be found throughout our history, but some highlights from the past year include migrating to a brand-new digital platform with a more modern, user-friendly experience; building new, broader pathways to open science through our Subscribe to Open pilot program; and progressing with our DEI initiatives including producing an extensive *Diversity and Inclusion at AIP Publishing* report.

We also added considerably to our offerings in 2023: We published the first issues of *APL Energy* and *APL Machine Learning*, opened *APL Quantum* for submissions, and announced a new partnership with the Fluid Engineering Institution of the Chinese Mechanical Engineering society to begin publishing the *International Journal of Fluid Engineering* (IJFE).

The momentum we built in 2023 will carry into 2024, as we look forward to publishing the first issues of *APL Quantum* and IJFE, transitioning *Journal of Applied Physics* and *Physics of Plasmas* to open access through the S2O pilot program, and telling the world more about the benefits of non-profit scholarly publishing through our newly launched Purpose-Led Publishing campaign—to name just a few items we're excited about.

All these remarkable steps forward would not be possible without you. Please know that your commitment helps us fulfill our mission to give brilliant work a global platform. On behalf of AIP Publishing, thank you for being our partners in progress as we continue to serve the scientific community together.

Warm regards,

*Alix Vance*

**Alix Vance**

CEO, AIP Publishing

# About Us

**AIP Publishing's 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.

**Small but mighty**, we are a nimble team of publishing professionals with a streamlined, high-impact portfolio. Our power lies in a deep understanding that comes from serving the scientific community for over 90 years. We've learned what it takes to be a leader by growing and expanding—incrementally and exponentially—along with the global physical science community.

We're here to bring the **latest discoveries** to the world and provide researchers with the best home for their work in our growing collection of journals, conference proceedings, and books that span the physical sciences and related disciplines.

## Facts & Figures

★ 1

AIP Flagship Magazine  
*Physics Today*

👥 39

Peer-Reviewed Hybrid &  
Open Access Journals



2700+

Volumes of AIP  
Conference Proceedings



19

Journals from our 13  
Publishing Partners

📖 2

Book Programs, including AIP Publishing  
Books & University Science Books

We're here to bring  
the latest discoveries  
to the world and  
provide researchers  
with the best home  
for their work.



# AIP Publishing, AIP, and Our Member Societies—Serving Science Together

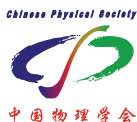
AIP Publishing is a fully-owned not-for-profit subsidiary of the American Institute of Physics (AIP), a prominent federation of physical science societies serving scientists, engineers, educators, and students.

As a 501(c)(3) membership corporation of scientific societies, AIP helps its Member Societies leverage their diverse expertise and contributions in advancing the physical sciences in the research enterprise, in the economy, in education, and in society. Through their shared goals and partnership with AIP, Member Societies broaden their impact and achieve results beyond their individual missions and mandates. AIP also acts as an independent institute whose journalism, research, history, and student programs enrich the discipline of the physical sciences.

## Our Publishing Partners

**Through collaboration with our publishing partners,** AIP Publishing can support a broader community of physical scientists around the world and bring high-quality research to the widest global audience.

As a society publisher, we are committed to providing our publishing partners with the strategic, operational, and tactical support needed to advance their goals and grow in today's competitive market. Every society and every book, collection, and journal, benefits from our individual attention, collaborative approach, professional expertise, and customer focus. Our size is one of our key strengths—we are large enough to deliver reliable and trusted systems as well as global reach, yet small enough to provide personal and dedicated service.



# A 90-Year Tradition of Investing in Science

AIP Publishing's revenue supports AIP's 90-year tradition of investing in physics education, student programs, and government relations to guide policy related to the physical sciences. So, when you support AIP Publishing, you invest in science.

Here's what AIP is up to:

## EDUCATION

### **Society of Physics Students ([spsnational.org](http://spsnational.org))**

Guiding physics undergraduates through professional development, leadership, scientific outreach, and networking tools.

### **GradSchoolShopper.com**

A free service offering undergraduates detailed information about graduate programs in the physical sciences.

### **SPS Jobs ([spsnational.org/jobs](http://spsnational.org/jobs))**

The online job portal of the Society of Physics Students and Sigma Pi Sigma, SPS Jobs is the go-to source for physics and astronomy undergraduates looking for REUs, internships, and bachelor's-level positions.

## HISTORY AND HERITAGE

### **The Niels Bohr Library & Archives ([aip.org/history-programs](http://aip.org/history-programs))**

This rare books and publications collection houses more than 30,000 titles and 1,500 oral histories, spanning the breadth of the physical sciences. It includes works by Galileo, Isaac Newton, Max Planck, Marie Curie, and Maria Goeppert-Mayer.



Learn more: [aip.org](http://aip.org)

# Diversity, Equity, and Inclusion

## AIP PUBLISHING INITIATIVES

AIP Publishing believes the pursuit of knowledge is the pursuit of a better world: one where science can be generated by all, accessible to all, and beneficial to all. This is the heart of AIP Publishing's mission, and it is incumbent upon us to promote and reinforce these ideals in all our decisions and actions.

### Here are actions we're taking:

**Diversity and Inclusion at AIP Publishing report:** With more than three years' worth of data on authors, reviewers, editors, and editorial boards, this report provides a vital snapshot of the gender, race/ethnicity, and geographic diversity of our publishing programs—and serves as a benchmark as we continue to improve and build upon recent successes in the DEI space.

**Accessible Publishing:** We have an expansive APC Waiver and Discount Policy for open access publishing, ensuring accessibility to authors and global audiences.

**Author Name Change Policy:** We've implemented a policy to accommodate name changes, acknowledging the importance of identity shifts including gender, marital status, or religious conversion.

**Diversity Initiatives Commitment:** We embrace C4DISC principles and actively participate in initiatives for inclusion and diversity in scholarly publishing, fostering an inclusive community.



Read the benchmark report and learn more about our initiatives:  
[publishing.aip.org/about/diversity-equity-and-inclusion/](https://publishing.aip.org/about/diversity-equity-and-inclusion/)

## AIP AND MEMBER SOCIETY INITIATIVES

### TEAM-UP Project

A joint project of AIP, the American Physical Society, the American Association of Physics Teachers, the American Astronomical Society, and SPS to battle the persistent underrepresentation of African American undergraduates in physics and astronomy. The work includes scholarship awards and supports programs with a goal of doubling the number of African Americans earning bachelor's degrees in physics and astronomy by 2030.

### Scholarships & Awards

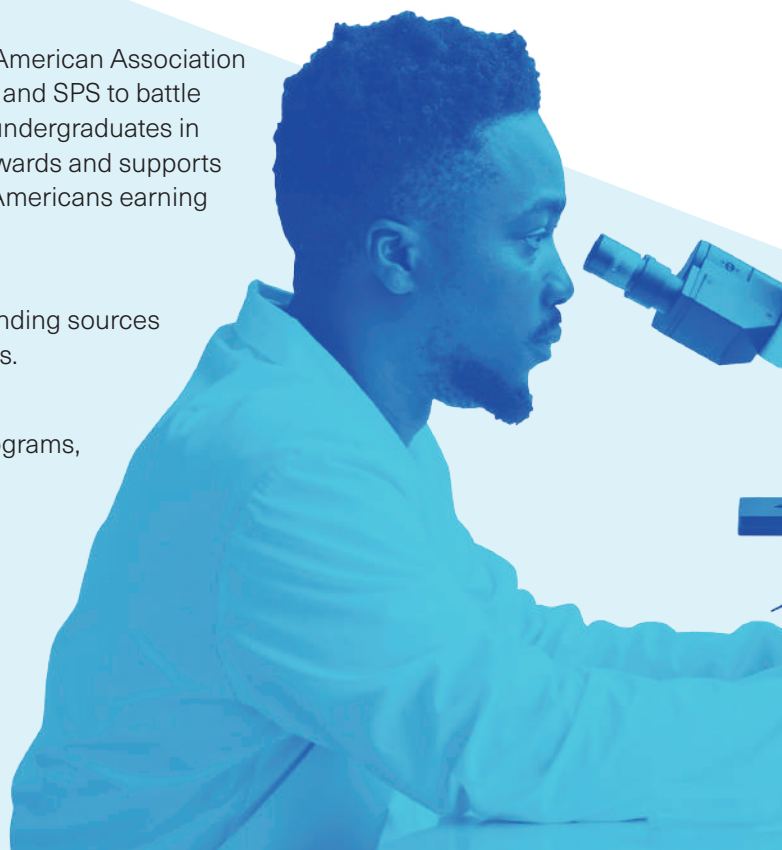
AIP offers awards, fellowships, scholarships, and other funding sources to under-represented populations in the physical sciences.

### Programs & Services

AIP and its Member Societies also provide an array of programs, courses, and other services—like newsletters or reduced member fees—for under-represented populations in the physical sciences.



Learn more: [aip.org/diversity-initiatives](https://aip.org/diversity-initiatives)





# Global Reach, Global Impact



## 843,522

### MONTHLY READERS

turn to AIP Publishing for the latest discoveries and insights in the physical sciences.



## 46M

### ARTICLE DOWNLOADS

Content on pubs.aip.org is highly read and highly cited.



## 29,909

### PEER REVIEWERS

commit their time to review articles for our journals.



## 109,958

### AUTHORS

from around the world published articles with AIP Publishing in the last 12 months.



## 927,072

### ANNUAL CITATIONS

AIP Publishing articles impact the future of research across the physical sciences.



## 3,603

### SUBSCRIBING ENTITIES

Faculty, students, and researchers from the top academic institutions, corporations, and researcher institutes connect with AIP Publishing.

## HIGHLY CITED JOURNALS ACCORDING TO JCR® 2023

#1

in Atomic, Molecular & Chemical Physics\*—*The Journal of Chemical Physics*

#1

in Acoustics\*—*The Journal of the Acoustical Society of America*

#2

in Physical Chemistry\*—*The Journal of Chemical Physics*

#3

in Fluids & Plasmas\*—*Physics of Fluids*

#4

in Applied Physics\*—*Applied Physics Letters*

#4

in Fluids & Plasmas\*—*Physics of Plasmas*

#7

in Instruments & Instrumentation\*—*Review of Scientific Instruments*

#7

in Applied Physics\*—*Journal of Applied Physics*

8<sup>th</sup>

Highest Impact Factor in Mathematical Physics\*—*Chaos*

10<sup>th</sup>

Highest Impact Factor in Applied Physics\*—*Applied Physics Reviews*

\*Rankings: Data from the 2022 *Journal Citation Reports® Science Edition* (Clarivate, 2023).



# Open Science

**We're driven by the fundamental tenet of science by all, for all**

Research should be widely accessible, and we actively support sustainable models of access that ensure the permanence, discoverability, and reuse of published work.

Our pathways to making science more accessible, equitable, and sustainable for everyone include:

**A Growing Open Access Portfolio:** 13 gold and platinum open access titles, and we're adding more each year.

**Subscribe to Open:** Two pilot initiatives for sustainable open access publishing in 2024.

**Author Select Program:** Enabling an open access publishing option in any of our subscription journals.

**Read and Publish Agreements:** 36 (and counting) agreements at institutions and consortia worldwide, allowing researchers to publish without APCs.

**Open Data Policy:** Encouraging authors to deposit dataset sharing in publicly available repositories or manuscripts.

**Liberal Creative Commons License:** Allowing for the widest possible dissemination, sharing, and reused of published works.

**Green Open Access Policy:** Allowing authors to self-archive immediately upon acceptance with no embargo period.

**Industry Initiatives:** We participate in CHORUS and Scholarly Collaboration Networks to advance open access.



Learn more: [publishing.aip.org/open-science](https://publishing.aip.org/open-science)

# Subscribe to Open (S2O)

**In 2024, AIP Publishing is piloting the Subscribe to Open (S2O) model in two journals—*Journal of Applied Physics* and *Physics of Plasmas***

S2O helps publications and publishers bridge the transition into open access. For institutions, it reaffirms a commitment to open science in a cost-neutral way while elevating the impact of their researchers. For authors, it promotes increased visibility and reach without the fees normally associated with OA publishing.

Under the S2O model, subscribers are offered continued access to their publication through the normal renewal process. If enough choose to renew, the publication is flipped over to OA for that year. It's that simple.

When a publication is converted to OA under S2O, all content for that year is made openly available under a CC-BY license at no cost to the author. The following year, subscribers are once again given the chance to renew via the normal subscription process. If enough choose to renew, the publication stays OA for another year.

**Join us in our mission to promote knowledge sharing and scientific discovery by continuing your subscriptions to *Journal of Applied Physics* and *Physics of Plasmas*.**



Learn more: [publishing.aip.org/subscribe-to-open/faq](https://publishing.aip.org/subscribe-to-open/faq)

## Read and Publish

### Tailored agreements for academic and research institutions

Our Read and Publish partnerships expand the reach of scientific discoveries across the physical sciences. We'll work with you to tailor your agreement based on your institution's subscription history, publication output, and readership needs.

A simple workflow for authors and an integrated account management system for information managers make it easy to stay compliant with funder mandates.

Articles with a corresponding author from your institution will be published open access in AIP Publishing hybrid journals in accordance with your agreement, making research output from your institution compliant with funder mandates and more visible and accessible to the scientific community.

Administrators have access to regular usage reports and activity notifications to help you monitor your institution's publication output and track which articles have been published open access.

### Interested in a Read and Publish agreement with AIP Publishing?



Learn more: [publishing.aip.org/read-and-publish](https://publishing.aip.org/read-and-publish)

# Explore Our Collections and Packages

## AIP Complete

Core content in one comprehensive package

With AIP Complete, you can provide your research community with our full portfolio of research, reviews, and conference proceedings—a stunning collection that covers the depth and breadth of the physical sciences.

An AIP Complete license grants you access to more than 1 million articles from 30 highly read and highly cited publications, including the *Journal of Applied Physics*, *Applied Physics Letters*, *The Journal of Chemical Physics*, and AIP's flagship magazine, *Physics Today*.

### Publications in the AIP Complete collection include:

- *AIP Conference Proceedings*
- *American Journal of Physics*
- *Applied Physics Letters*
- *Applied Physics Reviews*
- *AVS Quantum Science*
- *Biointerphases*
- *Biomicrofluidics*
- *Biophysics Reviews*
- *Chaos*
- *Chemical Physics Reviews*
- *Chinese Journal of Chemical Physics*
- *Journal of Applied Physics*
- *Journal of Laser Applications*
- *Journal of Mathematical Physics*
- *Journal of Physical and Chemical Reference Data*
- *Journal of Renewable and Sustainable Energy*
- *Journal of Rheology*
- *Journal of the Physical Society of Japan*
- *JVST A: Vacuum Surfaces and Films*
- *JVST B: Nanotechnology and Microelectronics*
- *LIA Conference Proceedings*
- *Low Temperature Physics*
- *Physics of Fluids*
- *Physics of Plasmas*
- *Physics Today*
- *Review of Scientific Instruments*
- *Surface Science Spectra*
- *The Journal of Chemical Physics*
- *The Journal of the Acoustical Society of America*
- *The Physics Teacher*

Access is available as Frontfile (1999-present) + Backfile (1929-1998)  
or Frontfile (1999-present) + Backfile (1929-1998) + Print\*



Discover the depth of this comprehensive collection at:  
**[librarians.aip.org/complete](https://librarians.aip.org/complete)**

\*As available



## Digital Archives

70 years of discovery at your fingertips

The Digital Archives deliver 70 years of digitized content across 20 publications from AIP Publishing and our publishing partners. Containing nearly 450,000 articles published between 1929 and 1998, the archives are packed with field-defining, scientific advancements written by Nobel Prize winners and notable scientists. The multidisciplinary content make this collection relevant to physicists, chemists, materials scientists, engineers, and biologists.

### Journals in the Digital Archives include:

- *AIP Conference Proceedings*
- *American Journal of Physics*
- *Applied Physics Letters*
- *Chaos*
- *Journal of Applied Physics*
- *The Journal of Chemical Physics*
- *Journal of Laser Applications*
- *Journal of Mathematical Physics*
- *Journal of Physical and Chemical Reference Data*
- *The Journal of Rheology*
- *Journal of the Acoustical Society of America*
- *JVST A: Vacuum Surfaces and Films*
- *JVST B: Nanotechnology and Microelectronics*
- *Low Temperature Physics*
- *Physics of Fluids*
- *Physics of Plasmas*
- *Physics Today*
- *Review of Scientific Instruments*
- *Surface Science Spectra*
- *The Physics Teacher*

Institutions have the option to purchase the full archive or choose the journals best suited for their collection.



Dive into our full list of digital archives at [librarians.aip.org/digitalarchives](https://librarians.aip.org/digitalarchives)

## Bundles and Customized Options

We provide solutions to meet your needs.

### AVS Bundle

We've bundled the journals from our publishing partner, American Vacuum Society (AVS), for easy accessibility to an important area of research. The collection covers topics including thin films, MEMS & NEMS, interfaces, surface science, biological interfaces, quantum science, atomic layer deposition, and nanotechnology.



#### Journals in the bundle include:

- *AVS Quantum Science*
- *Biointerphases*
- *JVST A: Vacuum, Surfaces, and Films*
- *JVST B: Nanotechnology and Microelectronics*
- *Surface Science Spectra*

### Fluids and Plasmas Bundle

Access to three highly regarded publications for fluids and plasmas research dating back to 1929.

**Journals in the bundle include:** • *Physics of Fluids* • *Physics of Plasmas* • *Journal of Rheology*

Subscriptions are available as frontfile only (1999-present) or frontfile + backfile (1964-present).

### Customized Options

We know that academic institutions, research institutes, government organizations, and corporations come in all shapes and sizes. From individual title subscriptions to a completely tailored package of publications, AIP Publishing offers a wide range of content licensing options to best fit your situation.

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A trusted source to support research and development.

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In addition to *Physics Today*, the most influential and closely followed physics magazine in the world, our content includes the latest discoveries in aerospace and avionics, automotive, biotechnology, engineering, materials science, manufacturing, pharma, power & utilities, and technology/IT/software.

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Or email us: [sales@aip.org](mailto:sales@aip.org)



# Books

## AIP Publishing's Book Collections

Three collections including five book types, delivering the tools instructors, scientists, and researchers need to maintain research proficiency, learn about new developments, and master techniques for data collection and analytics.

**Collection One: 40 original titles published from 2020-2021**

**Collection Two: 43 original titles published from 2021-2023**

**AAPT Book Archive: 34 digitally remastered classic texts published between 1977-2017**



**The different book types include:**

- **Principles:** Comprehensive overviews of a topic, providing introductory material for new entrants and coverage of recent developments for experts
- **Methods:** Tutorial content documenting experimental methods, protocols or best practices, with instructions for various levels of expertise
- **Professional:** Recommends guidance on training and development for professionals and physics educators
- **Perspectives:** In-depth analysis of a specialist topic, written by experts in the field
- **Archive:** Newly digitized versions of historical texts, digitally remastered to provide modern options for readers



Learn more at [pubs.aip.org/books](https://pubs.aip.org/books)

## University Science Books

With core texts in physics, chemistry, environmental sciences, and engineering, University Science Books (USB) helps thousands of professors train the next generation of scientists. Titles include instructor's manuals, student solutions manuals, artwork for instructor use, and online homework modules.

**USB titles are:**

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USB titles are now available through EBSCO and ProQuest.



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



# AIP Publishing's New Content Platform

**Exploration Is Better Than Ever**

**[pubs.aip.org](https://pubs.aip.org)**



**AIP Publishing launched its new digital content platform in 2023, which has transformed the way we serve researchers and the physical sciences community.**

Replacing Scitation as the online home of the field's most influential research, reviews, news, and analysis, the new platform marks a sea change in how users discover, access, and interact with AIPP's immense and growing portfolio.

**Key features:**

- A faster, mobile-optimized, more intuitive experience for all users
- Improved navigation, accessibility, discoverability, tools, and performance
- A fresh redesign with a crisp look and feel

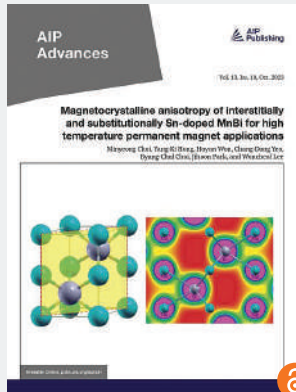
**Administrators can:**

- 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



Contact your Sales and Support teams and find tools and resources for librarians at **[publishing.aip.org/resources/librarians](https://publishing.aip.org/resources/librarians)**

# 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**  
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San Diego, San Diego, CA, USA

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

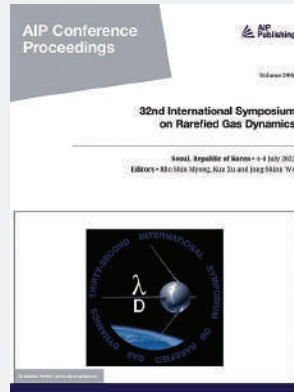
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University College London  
London, UK

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

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

#### Impact Factor: 1.6\*

2024: Volume 14,  
12 issues per year  
E-ISSN: 2158-3226  
[aipadvances.aip.org](http://aipadvances.aip.org)

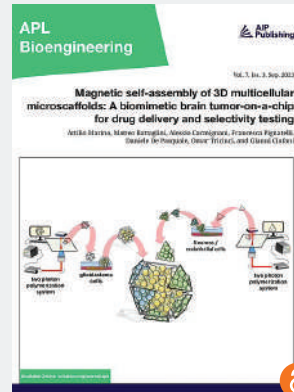


**AIP Conference Proceedings** contain over 100,000 articles published in more than 2,900+ proceedings since its inception in 1970. Each year approximately 100 new volumes (some 10,000 papers) are added to this substantial body of scientific literature. Published conference proceedings are valuable as 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  
[pubs.aip.org/aip/acp](http://pubs.aip.org/aip/acp)



**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

#### Impact Factor: 6.0\*

Indexed in PubMed, Web of Science & Scopus  
2024: Volume 8,  
4 issues per year  
E-ISSN: 2473-2877  
[aplbioeng.aip.org](http://aplbioeng.aip.org)

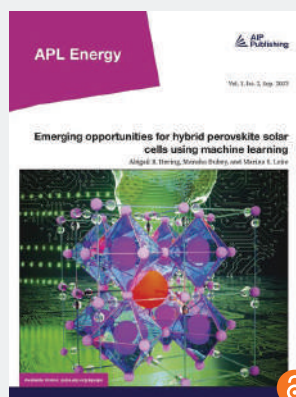


**APL Electronic Devices** will publish research related to the broad and interdisciplinary topic of electronic devices. As a journal that seeks to bridge multiple communities – theory/modeling, experimental/applied physics, and engineering – we welcome contributions ranging from fundamental aspects of semiconductor electronic structure to the design, fabrication, and characterization of real-world electronic devices.

#### COVERAGE:

Electronic and photonic devices including micro- and nanoelectronics; flexible electronics and bioelectronics; structural and electronic properties of device materials, semiconductors and heterostructures; photovoltaics; memristors and non-volatile memories; signal processing; power electronics; dielectric properties; quantum devices; sensors and detectors; battery management; 2D materials-based devices; thermal and mechanical engineering

4 issues per year  
E-ISSN: 2995-8423  
[publishing.aip.org/apl-electronic-devices](http://publishing.aip.org/apl-electronic-devices)



**APL Energy** is a new open access journal featuring interdisciplinary research from physics, chemistry, materials science, engineering, and related fields in energy and energy technology. The journal aims to integrate basic research and technological innovation and will consider research articles, perspectives, reviews and roadmaps article types.

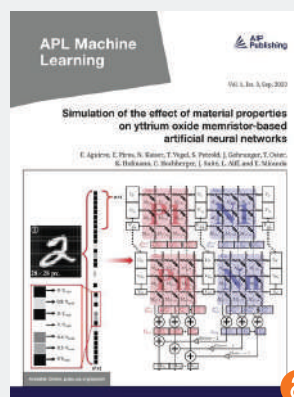
#### COVERAGE:

All areas of energy storage—batteries, capacitors, super-capacitors, solar and thermal energy storage, hydrogen storage; energy harvesting—photovoltaics, nanogenerators, electromagnetics, piezoelectrics, ferroelectrics, triboelectrics; energy generation—fuel cells, electrolyzers, bioenergy, catalysis, photoelectrochemicals, greenhouse gas remediation; hybrid energy systems; novel materials for energy; materials and device stability; sustainability and renewable energy, circular economy, recyclability

#### EDITOR-IN-CHIEF:

**Mónica Lira-Cantú**  
Catalan Institute of Nanoscience and Nanotechnology (ICN2), Barcelona, Spain

2024: Volume 2,  
4 issues per year  
E-ISSN: 2770-9000  
[ape.aip.org](http://ape.aip.org)



**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.

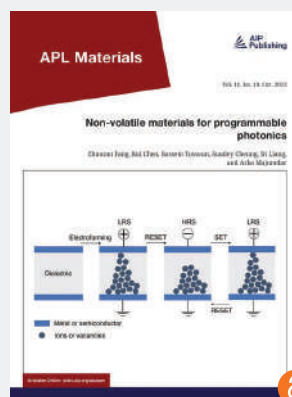
#### COVERAGE:

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

2024: Volume 2,  
4 issues per year  
E-ISSN: 2770-9019  
[aml.aip.org](http://aml.aip.org)



**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:

**Bo Wang**  
Beijing Institute of Technology, Beijing, China

#### Impact Factor: 6.1\*

2024: Volume 12,  
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E-ISSN: 2166-532X  
[aplmaterials.aip.org](http://aplmaterials.aip.org)



**APL Photonics** is the dedicated home for open access multi-disciplinary 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**  
Pro-Vice-Chancellor (Research)  
University of Sydney  
Sydney, Australia

#### Impact Factor: 5.6\*

2024: Volume 9,  
12 issues per year  
E-ISSN: 2378-0967  
[aplphotonics.aip.org](http://aplphotonics.aip.org)



# Publications



**APL Quantum** publishes cutting-edge and multidisciplinary research across quantum theory and fundamentals, quantum phenomena and resources, applied quantum science, and quantum technologies. The journal aims to bridge fundamental quantum research with technological applications and embraces theoretical as well as experimental research.

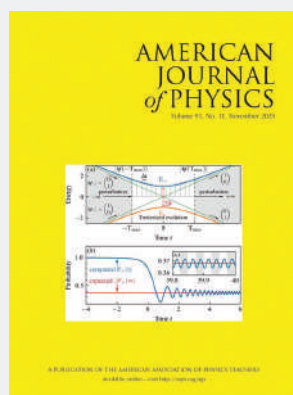
## COVERAGE:

Quantum theory and fundamentals; quantum phenomena and resources; applied quantum science; quantum technologies

## EDITOR-IN-CHIEF:

**Ortwin Hess**  
Trinity College  
Dublin, Ireland

2024: Volume 1,  
4 issues per year  
E-ISSN: 2835-0103  
[apq.aip.org](http://apq.aip.org)



**American Journal of Physics** publishes papers that will support, inform, and delight a diverse audience of college and university physics teachers. Contents include novel approaches to classroom and laboratory instruction, insightful articles on topics in classical and modern physics, apparatus notes, historical or cultural topics, book reviews, resource letters, and award talks.

## 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

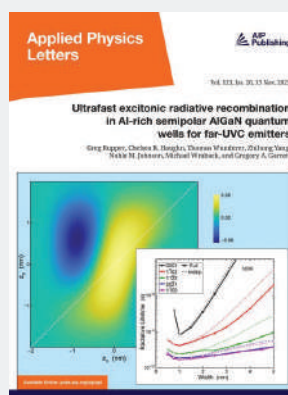
## EDITOR:

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

## Impact Factor: 0.9\*

2024: Volume 92,  
12 issues per year  
ISSN: 0002-9505  
E-ISSN: 1943-2909  
[ajp.aapt.org](http://ajp.aapt.org)

Published on behalf of:



**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; semi-conductors; magnetism and spintronics; superconductivity and superconducting electronics; dielectrics, ferroelectrics, and multiferroics; low-dimensional and topical 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

## Impact Factor: 4.0\*

2024: Volume 124 & 125,  
52 issues per year  
ISSN: 0003-6951  
E-ISSN: 1077-3118  
[apl.aip.org](http://apl.aip.org)

**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

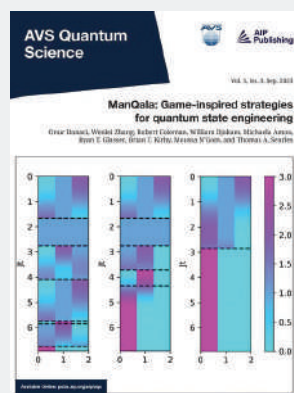
## EDITOR-IN-CHIEF:

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

## Impact Factor: 15.0\*

2024: Volume 11,  
4 issues per year  
E-ISSN: 1931-9401  
[apr.aip.org](http://apr.aip.org)





**AVS Quantum Science**, co-published 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**  
University of Amsterdam,  
The Netherlands

#### Indexed in Web of Science & Scopus

2024: Volume 6,  
4 issues per year  
E-ISSN: 2639-0213  
[aqs.aip.org](http://aqs.aip.org)

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 / biodiagnostics; 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

#### Impact Factor: 2.1\*

2024: Volume 19,  
6 issues per year  
ISSN: 1934-8630  
E-ISSN: 1559-4106  
[pubs.aip.org/avs/bip](http://pubs.aip.org/avs/bip)

Published on behalf of:



**Biomicrofluidics** publishes research highlighting fundamental physicochemical 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:

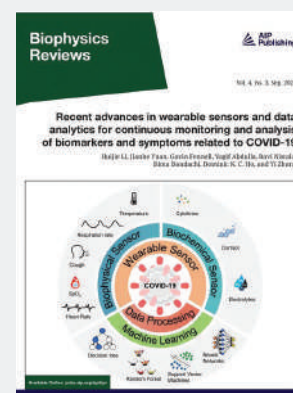
Microfluidic and nanofluidic actuation; liquid biopsy; cell sorting, manipulation, and transfection; molecular separation and concentration; cell culture and analysis; genomic and proteomic analysis; biosensors; biophysical transport and characterization; wetting, nano-rheology, and droplet platforms; 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

#### Impact Factor: 3.2\*

2024: Volume 18,  
6 issues per year  
E-ISSN: 1932-1058  
[bmf.aip.org](http://bmf.aip.org)



**Biophysics Reviews** is a new journal featuring 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

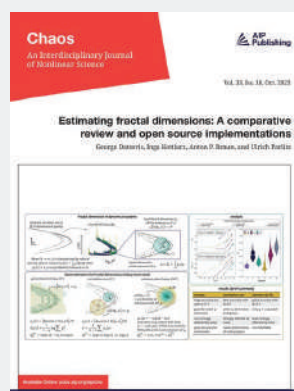
#### EDITOR-IN-CHIEF:

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

#### Indexed in Web of Science & Scopus

2024: Volume 5,  
4 issues per year  
E-ISSN: 2688-4089  
[bpr.aip.org](http://bpr.aip.org)

# Publications



**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:

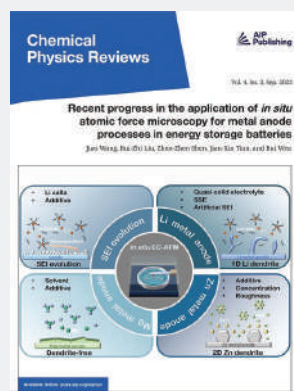
Nonlinear dynamics & complex systems; bifurcations and multistability; nonlinear time series analysis and methods; classical and quantum chaos; synchronization; reaction-diffusion systems, coherent structures, and pattern formation; complex networks; adaptive and evolving systems; stochastic dynamics; 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

## Impact Factor: 2.9\*

2024: Volume 34,  
4 print issues per year  
(12 monthly online issues)  
ISSN: 1054-1500  
E-ISSN: 1089-7682  
[chaos.aip.org](http://chaos.aip.org)



**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. The journal'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

## Indexed in Web of Science

2024: Volume 5,  
4 issues per year  
E-ISSN: 2688-4070  
[cpr.aip.org](http://cpr.aip.org)



**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

## Impact Factor: 1.0\*

2024: Volume 37,  
6 issues per year  
ISSN: 1674-0068  
E-ISSN: 2327-2244  
[cjcp.aip.org](http://cjcp.aip.org)

Published on behalf of:



中国物理学会



**International Journal of Fluid Engineering** is an open access, peer-reviewed journal devoted to publishing research on the characteristics of fluid science matters in engineering. It publishes research work of flow problems with fluids as the working medium that play a central supporting role in major projects, major equipment and strategic products.

## COVERAGE:

All areas of fundamental and engineering application-oriented research relating to fluid mechanics including aeronautics and aerospace, marine engineering, process industries and cross-discipline

## EDITOR-IN-CHIEF:

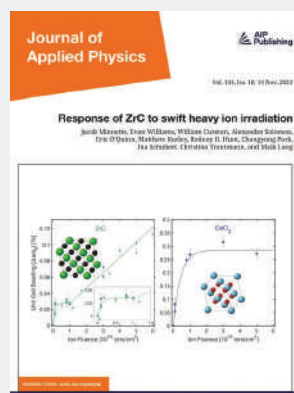
**Gensheng Li**  
China University of Petroleum, Beijing

2024: Volume 1,  
4 issues per year  
E-ISSN: 2994-9017  
[pubs.aip.org/hgmri/ijfe](http://pubs.aip.org/hgmri/ijfe)

Published on behalf of:



合肥通用机械研究院有限公司  
Hefei General Machinery Research Institute Co., Ltd.



**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 lowdimensional 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

#### Impact Factor: 3.2\*

2024: Volume 135 & 136,  
48 issues per year  
ISSN: 0021-8979  
E-ISSN: 1089-7550  
[jap.aip.org](http://jap.aip.org)

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.

#### COVERAGE:

Linear and nonlinear acoustics; aeroacoustics, underwater sound and acoustical oceanography; ultrasonics and physical acoustics; architectural and structural acoustics and vibration; speech, music and noise; psychology and physiology of hearing; engineering acoustics, sound transducers and measurements; bioacoustics, animal bioacoustics and bioresponse to vibration; acoustic signal processing; computational acoustics; acoustics education

#### EDITOR-IN-CHIEF:

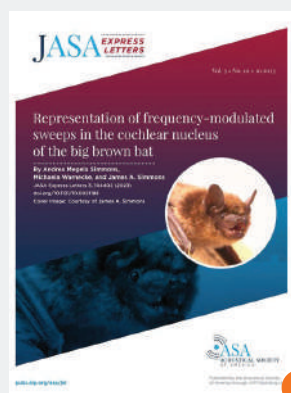
**James F. Lynch**  
Woods Hole Oceanographic Institution, Woods Hole, MA, USA

#### Impact Factor: 2.4\*

2024: Volumes 155 & 156,  
12 issues per year  
ISSN: 0001-4966  
E-ISSN: 1520-8524  
[pubs.aip.org/asa/jasa](http://pubs.aip.org/asa/jasa)

One of the most-cited journals in Acoustics\*

Published on behalf of:



**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.

#### COVERAGE:

Acoustical oceanography; animal bioacoustics; architectural acoustics; biomedical acoustics; computational acoustics; engineering acoustics; musical acoustics; noise; physical acoustics; psychological and physiological acoustics; signal processing in acoustics; speech communication; structural acoustics and vibration; underwater acoustics; education in acoustics; acoustic standards and practice.

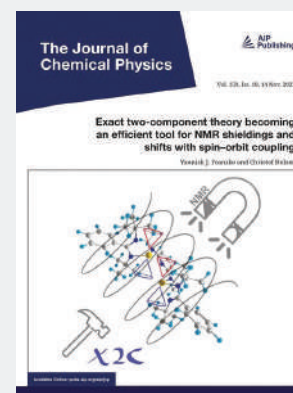
#### EDITOR-IN-CHIEF:

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

#### Impact Factor: 1.0\*

2024 Volume 4,  
12 Issues per year  
E-ISSN: 2691-1191  
[pubs.aip.org/asa/jel](http://pubs.aip.org/asa/jel)

Published on behalf of:



**The Journal of Chemical Physics** is an international journal publishing cutting edge, innovative research in all areas of modern physical chemistry and experimental and theoretical areas of chemical physics. The journal publishes articles as communications, perspectives, reviews, tutorials, and offers special topic collections.

#### COVERAGE:

Spectroscopy; dynamics; kinetics; statistical mechanics; quantum mechanics; polymers; soft matter; materials; surfaces/ interfaces; biological systems; software packages

#### EDITOR-IN-CHIEF:

**Tianquan (Tim) Lian**  
Emory University  
Atlanta, GA, USA

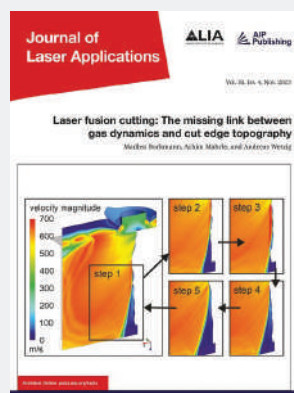
#### Impact Factor: 4.4\*

2024: Volume 160 & 161,  
48 issues per year  
ISSN: 0021-9606  
E-ISSN: 1089-7690  
[jcp.aip.org](http://jcp.aip.org)

The most-cited journal in Atomic, Molecular, and Chemical Physics\*



# Publications



**Journal of Laser Applications** covers a broad range of laser related research from fundamental and applied research & development to industrial applications. The journal presents the latest breakthroughs in laser applications related to photonic production, sensing and measurement, as well as laser safety. The recently digitized LIA Conference Proceedings includes over 5,900 articles from the ICALEO®, PICALO, and ILSC® conferences that are run by The Laser Institute (LIA).

## COVERAGE:

High-precision and high-power materials processing; laser additive manufacturing; laser systems and markets; spectroscopy/imaging/diagnostics/measurements; emerging applications of laser technologies; surface modification; lasers in nano-manufacturing/nanophotonics and thin film technology; medical applications and safety; thermal transportation; nanomaterials and nanoprocessing; laser applications in microelectronics

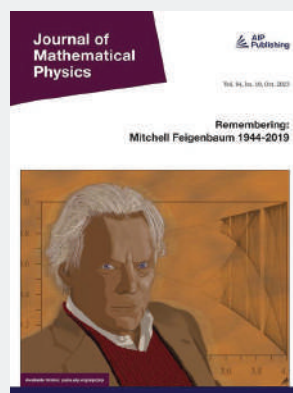
## EDITOR-IN-CHIEF:

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

## Impact Factor: 2.1\*

2024: Volume 36,  
4 issues per year  
ISSN: 1042-346X  
E-ISSN: 1938-1387  
[jla.aip.org](http://jla.aip.org)

Published on behalf of:



**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.

## COVERAGE:

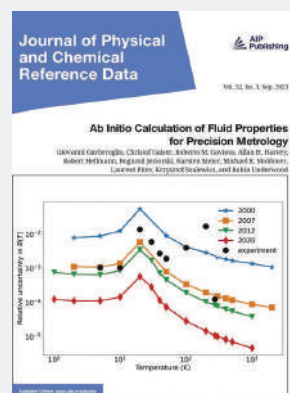
Partial differential equations; many-body and condensed matter physics; quantum information and computation; general relativity and gravitation; classical mechanics and classical fields; statistical physics; representation theory and algebraic methods; quantum mechanics—general and non-relativistic; relativistic quantum mechanics, quantum field theory, quantum gravity and string theory; dynamical systems; fluids; and methods of mathematical physics

## EDITOR-IN-CHIEF:

**Jan Philip Solovej**  
University of Copenhagen,  
Denmark

## Impact Factor: 1.3\*

2024: Volume 65,  
12 issues per year  
ISSN: 0022-2488  
E-ISSN: 1089-7658  
[jmp.aip.org](http://jmp.aip.org)



**Journal of Physical and Chemical Reference Data** provides critically evaluated physical and chemical property data, fully documented as to the original sources and the criteria used for evaluation, preferably with uncertainty analysis.

## COVERAGE:

Reference data; critical reviews of measurement techniques; critically evaluated physical data; critically evaluated chemical data

## CO-EDITORS-IN-CHIEF:

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Gaithersburg, MD, USA

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## Impact Factor: 4.3\*

2024: Volume 53,  
12 issues per year  
ISSN: 0047-2689  
E-ISSN: 1529-7845  
[jpcrd.aip.org](http://jpcrd.aip.org)

Published on behalf of:



**Journal of the Physical Society of Japan** is a flagship journal of The Physical Society of Japan and has been publishing important research results in all fields of physics from condensed matter physics to particle physics since 1946.

## COVERAGE:

All of physics, including but not limited to: elementary particles and fields; nuclear physics; atomic and molecular physics; fluid dynamics; plasma physics; physics of condensed matter; metals, superconductors, semiconductors, magnetic materials, and dielectric materials; physics of nanoscale materials; optics and quantum electronics; physics of complex systems; mathematical physics; chemical physics; biophysics; geophysics; astrophysics

## EDITOR-IN-CHIEF:

**Seiji Miyashita**  
The Physical Society of Japan

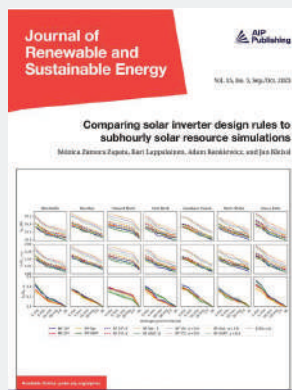
## Impact Factor: 1.9\*

2024: Volume 93,  
12 issues per year  
ISSN: 0031-9015  
E-ISSN: 1347-4073  
[journals.jps.jp/journal/jpsj](http://journals.jps.jp/journal/jpsj)

Published on behalf of:







**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:

**Zhenhong Lin**  
South China University of Technology, China

#### Impact Factor: 2.5\*

2024: Volume 16,  
6 issues per year  
E-ISSN: 1941-7012

[jrse.aip.org](http://jrse.aip.org)



**Journal of Rheology** is a vital resource for researchers working in fields as diverse as polymer physics and fluid mechanics. It presents experimental results, phenomenological models, and microscopic theories dealing with the rheological behavior of complex materials, including macromolecular, colloidal and particulate solids, and fluids. Application areas include foods, paints, plastics, lubricants, ceramics, coatings, glaciers, and biological fluids.

#### COVERAGE:

Colloidal gel yield stress; magnetorheological fluids; associating polymers; entangled polymers; polymer nanocomposites; reactive compatibilization; pastes, foams, and surfactants; interfacial rheometry; microrheology; computer simulations

#### EDITOR-IN-CHIEF:

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

#### Impact Factor: 3.3\*

2024: Volume 68,  
6 issues per year  
ISSN: 0148-6055  
E-ISSN: 1520-8516

[pubs.aip.org/sor/jor](http://pubs.aip.org/sor/jor)

Published on behalf of:



**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-IN-CHIEF:

**Eray S. Aydil**  
New York University  
Tandon School of Engineering  
Brooklyn, NY, USA

#### Impact Factor: 2.9\*

2024: Volume 42,  
6 issues per year  
ISSN: 0734-2101  
E-ISSN: 1520-8559  
[pubs.aip.org/avs/jva](http://pubs.aip.org/avs/jva)

Published on behalf of:



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

#### COVERAGE:

Compound semiconductor electronics and optoelectronics; devices for energy conversion and storage; dielectrics in micro and nanoelectronics; graphene, carbon nanotubes, and fullerenes; group IV semiconductor microelectronics; lithography; MEMS and NEMS; nanometer science and technology; nanostructured materials and devices including nanowires, nanoparticles, and quantum dots; organic and molecular electronics; photovoltaics based on nanostructured materials, dye-sensitized and other excitonic solar cells; plasmonics; spintronics and magnetic devices; vacuum nanoelectronics; vacuum science and technology

#### EDITOR-IN-CHIEF:

**Eray S. Aydil**  
New York University  
Tandon School of Engineering  
Brooklyn, NY, USA

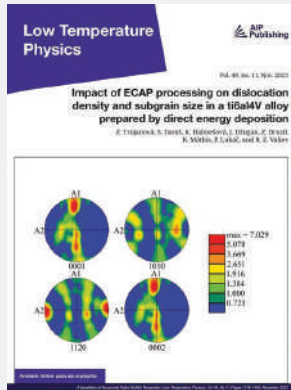
#### Impact Factor: 1.4\*

2024: Volume 42,  
6 issues per year  
ISSN: 2166-2746  
E-ISSN: 2166-2754  
[pubs.aip.org/avs/jvb](http://pubs.aip.org/avs/jvb)

Published on behalf of:



# Publications



**Low Temperature Physics** communicates the results of important experimental and theoretical studies at low temperatures.

## COVERAGE:

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

## EDITOR-IN-CHIEF:

Yu. G. Naidyuk

## ASSOCIATE EDITORS-IN-CHIEF:

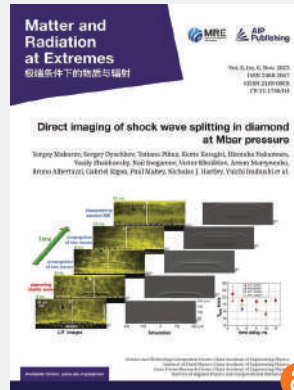
O. S. Kovalev

Yu. O. Kolesnichenko

S. S. Sokolov

**Impact Factor: 0.8\***

2024: Volume 50,  
12 issues per year  
ISSN: 1063-777X  
E-ISSN: 1090-6517  
[lt.p.aip.org](http://lt.p.aip.org)



**Matter and Radiation at Extremes** 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. The journal 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.

## COVERAGE:

All areas of physical sciences in applied, theoretical, and experimental research on matter and radiation at extremes

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China Academy of Engineering Physics, China

**Michel Koenig**

Laboratoire LULI - CNRS, France

**Hokwang Mao**

Center for High Pressure Science & Technology Advanced Research, China

## EXECUTIVE EDITORS-IN-CHIEF:

**Jinren Sun**

Shanghai Institute of Laser Plasma, China Academy of Engineering Physics

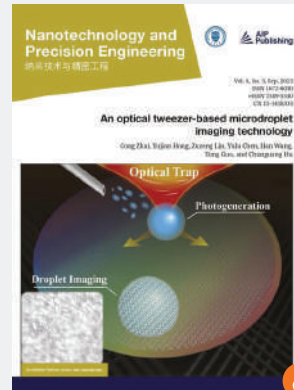
**Hongbo Cai**

Institute of Applied Physics and Computational Mathematics, China

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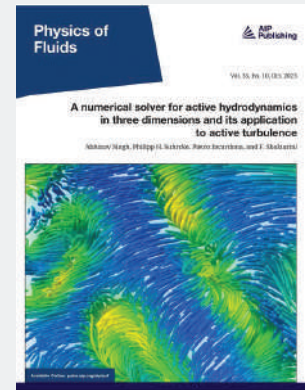
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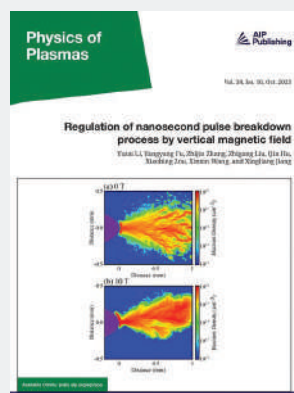
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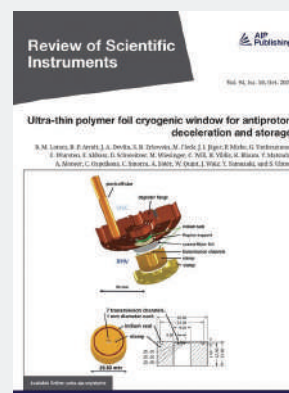
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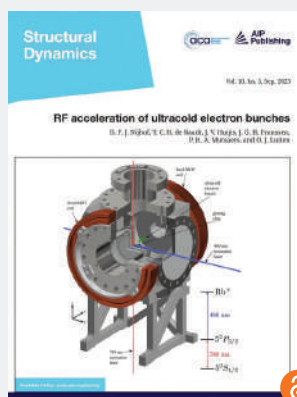
**Robert Kaita**  
Princeton Plasma Physics Laboratory,  
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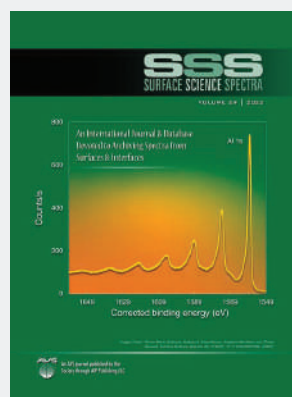
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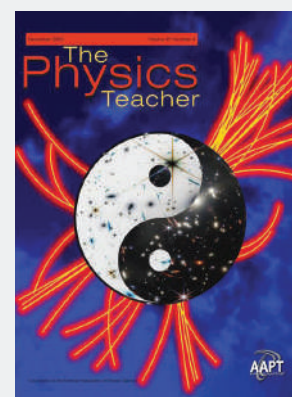
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