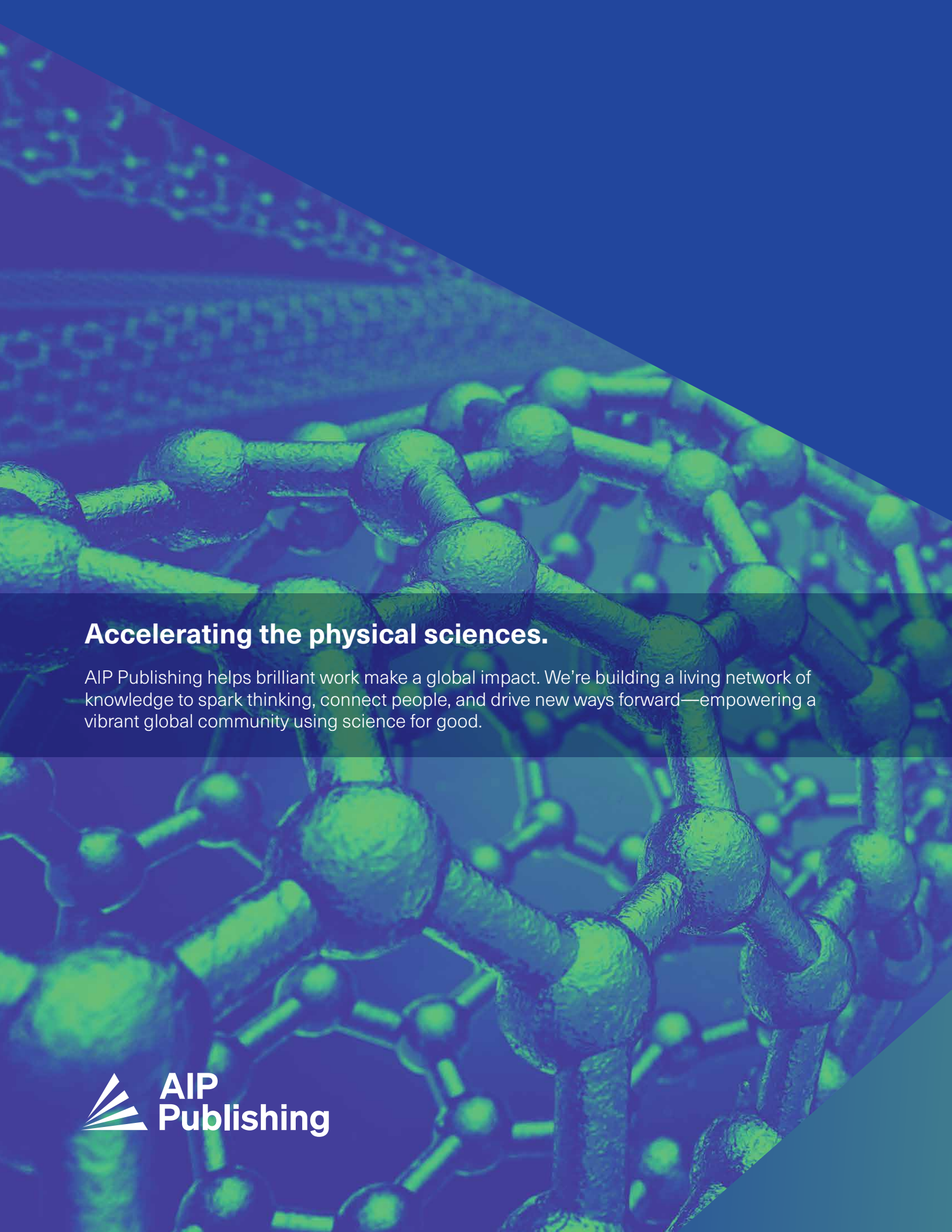
2025
Product Guide

AIP Publishing



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.

AIP Publishing

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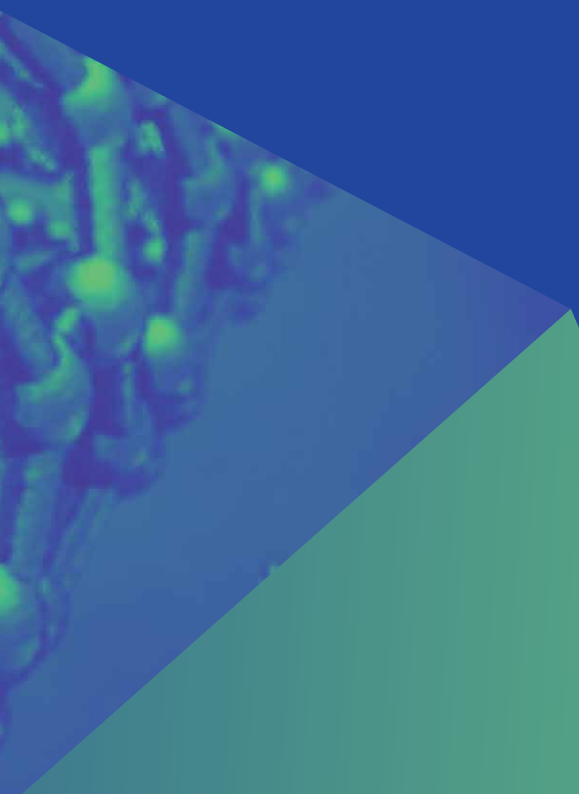

Dear Colleagues,

I'm delighted to welcome you to our latest product guide. At AIP Publishing, our mission is to advance, promote, and serve the physical sciences for the benefit of humanity. The portfolio in these pages reflects our dedication to that mission, to you, and to your research communities.

You may notice that our selection of journals has expanded. This is intentional. We believe the future of the physical sciences relies on amplifying diverse voices from around the world and creating more inclusive, accessible spaces. Our growing portfolio supports emerging, underrepresented authors and new multidisciplinary fields of research, ensuring that more voices contribute to the advancement of science.

This commitment is why we are dedicating more resources to the sustainable, thoughtful expansion of our open science offerings, fostering partnerships with libraries and institutions, and establishing more diverse editorial teams. Our goal is simple: to help this incredible community achieve remarkable things.

To that end, we continue to provide robust support for our authors. This year, we introduced expanded licensing options, informative webinars, and peer review certifications—ensuring that every researcher has the tools and resources needed to succeed. Initiatives like these are how we put our commitment to their success into action.

Beyond that, we're exploring new business models, like our Subscribe to Open (S2O) initiative, which directly benefits partner libraries and their research communities. By collaborating with stakeholders across academia, we're finding innovative solutions that serve everyone's needs.

AIP Publishing is committed to pushing the physical sciences toward a future that is more inclusive, equitable, and forward-thinking—a future where impactful contributions to science can come from anywhere, benefiting everyone. This guide offers a glimpse into that journey and what we can accomplish together for the scientific community.

Thank you for the trust you place in us, and for being our partners in progress.

Warm regards,

Alix Vance

Alix Vance
CEO, AIP Publishing

About Us

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.

Small but mighty—we're a nimble team of publishing professionals with a streamlined, high-impact portfolio. Our power lies in a deep understanding that comes from more than 90 years of service to the scientific community. We know what it takes to be a leader. By growing and expanding—incrementally and exponentially—along with the global physical science community, we've stayed at the forefront of science for almost a century.

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

Our Products

1 AIP Flagship Magazine
43 Peer-Reviewed Hybrid & Open Access Journals
3,245 Volumes of AIP Conference Proceedings
2 Book Programs—AIPP books & University Science Books

Our Partners

13 Scientific Societies
3,603 Subscribing Institutions & Corporations
1 Global Community of Authors, Readers, Peer Reviewers, and Editors

Our Purpose

To bring the latest discoveries to the world by providing 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.

Investing in Science—For Over 90 Years

Our revenue supports the American Institute of Physics (AIP) 93-year tradition of investing in physics education, student programs, and government relations to guide policy related to the physical sciences.

You are investing in the future of science when you support AIP Publishing. Here are just a few highlights of AIP's programs:

EDUCATION

Society of Physics Students (spsnational.org)
Open to any undergraduate interested in physics and related fields, SPS offers students professional development tools for effective communication and personal interactions, leadership, networking, presentation skills and more.

Sigma Pi Sigma (www.aip.org/student-programs)
With over 100,000 members, this prestigious network honors outstanding scholarship in physics and astronomy, promotes student interest, and fosters a lifelong community of service-minded scholars.

SPS Jobs (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 bachelor's-level internships, research experiences for undergraduates (REU), and summer research jobs in physics and related fields.

GradSchoolShopper.com
The only global online graduate program network dedicated exclusively to physics and related fields, GSS is a free service helping prospective graduate students discover the best graduate program for them.

HISTORY AND HERITAGE

The Niels Bohr Library & Archives (aip.org/history-programs/niels-bohr-library)
This rare collection captures the history of physics and related fields with more than 30,000 titles, 1,500 oral histories, and AIP and Member Society archival records. Including works by Galileo, Curie, Planck, and Goeppert-Mayer, we make these resources freely accessible to all by maintaining, preserving, and digitizing our works, and assist other institutions in their preservation efforts.

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Empowering the Next Generation of Physical Scientists

AIP and its member societies are committed to driving career opportunity and advancement in the physical sciences to cultivate a culture of STEM Excellence.

AIP and its member organizations support the physical sciences community by leading community engagement, outreach, partnership, advocacy, education, professional development and mentorship initiatives. Collectively, we provide access to programs, courses, and resources to help reduce financial hardships and barriers to success across educational and professional career journeys.

Learn more about AIP's resources, scholarships, awards, and more that advance STEM Excellence:
https://ww2.aip.org/stem-inclusion/resources

Global Community, Global Impact

GLOBAL COMMUNITY

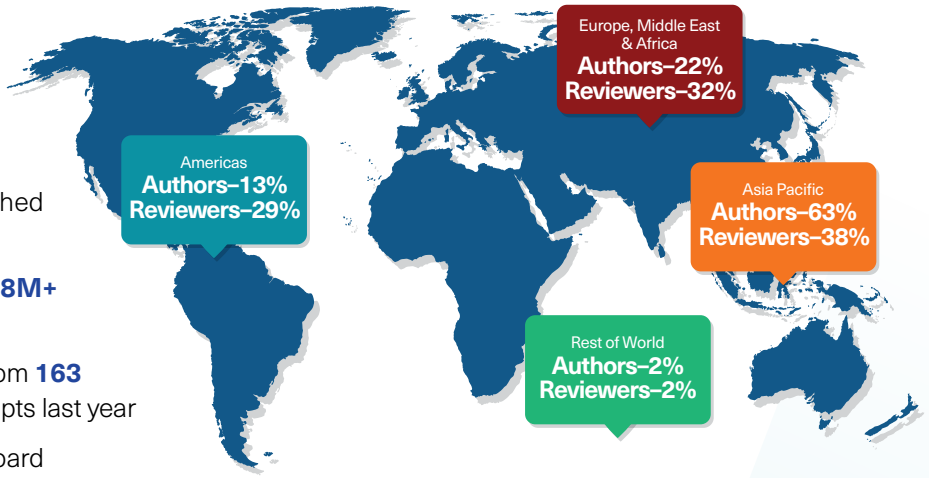
Our community of authors, readers, and editors span over **3.6K institutions** and **195 countries** from around the world.

AUTHORS—from **169 countries** published **19K+ articles** in the past 12 months*

READERS—from **195 countries** read **48M+ articles** in the past 12 months**

PEER REVIEWERS—**18,917 experts** from **163 countries** evaluated submitted manuscripts last year

EDITORS—**911 editors** and editorial board members from **81 countries** currently contribute their expertise to our journals



GLOBAL IMPACT

Journal Rankings According to JCR 2023 Data†

Atomic, Molecular & Chemical Physics

#1 in citations
8th highest Impact Factor
The Journal of Chemical Physics

3rd highest Impact Factor
Chemical Physics Reviews

Applied Physics

#4 in citations
Applied Physics Letters

10th highest Impact Factor
Applied Physics Reviews

#7 in citations
Journal of Applied Physics

Fluids & Plasmas

#3 in citations
2nd highest Impact Factor
Physics of Fluids

#4 in citations
Physics of Plasmas

Physical Chemistry

#4 in citations
The Journal of Chemical Physics

Acoustics

#1 in citations
The Journal of the Acoustical Society of America

Education, Scientific Disciplines

#7 in citations
The American Journal of Physics

Instruments & Instrumentation

#8 in citations
Review of Scientific Instruments

Mathematical Physics

6th highest Impact Factor
Chaos

Quantum Science

10th highest Impact Factor
AVS Quantum Science

*12-month average from 2023 & 2024.
**12-month average from 2023 & 2024; Excludes AIP and LIA Conference Proceedings.
†Data from the *2023 Journal Citation Reports® Science Edition* (Clarivate, 2024).

Open Science

We're driven by the fundamental tenet—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:

Green OA Policy: Authors may freely self-archive their work **immediately upon acceptance** with no embargo period.

A Growing Open Access (OA) Portfolio: Our portfolio of 13 gold and platinum OA titles, representing new and emerging areas in the physical sciences, is expanding each year.

Subscribe to Open: We successfully flipped two journals to OA in 2024, and hope to continue the pilot in 2025 with the support of our participating institutions.

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Read and Publish Agreements: Our 36 (and counting) partnerships with institutions and consortia worldwide help expand the reach of scientific discoveries by allowing researchers to freely read and publish without Article Processing Charges (APCs).

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Be part of an equitable future.

Thanks to institutional support of our S2O pilot program, two of our flagship journals—*Journal of Applied Physics* and *Physics of Plasmas*—were made fully open access for 2024, creating free and equitable opportunities for researchers to publish open access. This support provides a cost-neutral way to transition content to open access while elevating the impact of researchers' work with increased visibility and reach.

How does S2O work? *Journal of Applied Physics* and *Physics of Plasmas* are offered to our institutional customers through the normal renewal or subscription process. If enough institutions renew or subscribe, the journal(s) flip to OA for that year. Simple.

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On average, articles published OA with AIPP get:

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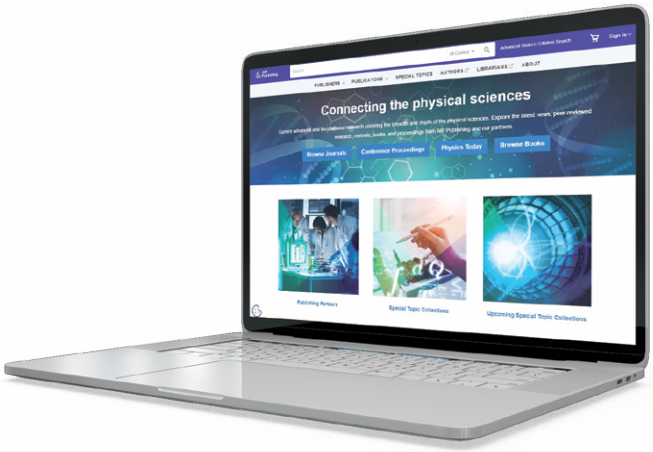

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- *AVS Quantum Science*
- *Biointerphases*
- *Biomicrofluidics*
- *Biophysics Reviews*
- *Chaos*
- *Chemical Physics Reviews*
- *Chinese Journal of Chemical Physics*
- *Journal of Applied Physics*
- *Journal of Laser Applications*
- *Journal of Mathematical 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*

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*Where available

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- *JVST A: Vacuum Surfaces and Films*
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- *Low Temperature Physics*
- *Physics of Fluids*
- *Physics of Plasmas*
- *Physics Today*
- *Review of Scientific Instruments*
- *Surface Science Spectra*
- *The Physics Teacher*

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Explore Our Curated Topical Portfolios

Your guide to essential resources for innovation across key and emerging sectors of the physical sciences.

	SUBJECT AREAS						
HIGHLY RANKED PUBLICATIONS	Applied Physics	Acoustics	Bioscience	Chemical Physics	Energy	Materials Science	
AIP Advances	●	●	●	●	●	●	
AIP Conference Proceedings	●	●	●	●	●	●	
American Journal of Physics	●	●	●	●	●	●	
APL Bioengineering			●	●	●	●	
APL Electronic Devices	●		●	●		●	
APL Energy	●			●	●	●	
APL Machine Learning	●		●	●	●	●	
APL Materials	●	●	●	●	●	●	
APL Photonics	●		●	●	●	●	
APL Quantum	●		●	●	●	●	
Applied Physics Letters	●	●	●	●	●	●	
Applied Physics Reviews	●	●	●	●	●	●	
AVS Quantum Science	●	●	●	●	●	●	
Biointerphases	●		●	●		●	
Biomicrofluidics			●				
Biophysics Reviews	●		●	●		●	
Chaos	●	●	●	●	●		
Chemical Physics Reviews	●	●	●	●	●	●	
Chinese Journal of Chemical Physics			●	●		●	
International Journal of Fluid Engineering	●		●				
JASA Express Letters	●	●	●			●	
*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	●					●	
Matter and Radiation at Extremes	●				●	●	
Nanotechnology and Precision Engineering	●	●	●	●		●	
Physics of Fluids	●	●	●	●	●	●	
*Physics of Plasmas**	●	●					
Physics Today	●	●	●	●	●	●	
Review of Scientific Instruments	●	●	●	●	●	●	
Structural Dynamics	●		●	●	●	●	
Surface Science Spectra			●	●	●	●	
The Journal of Chemical Physics	●		●	●	●	●	
The Journal of the Acoustical Society of America	●	●	●			●	
The Physics Teacher	●	●	●	●	●	●	

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SUBJECT AREAS										
	Machine Learning and AI	Quantum Science	Photonics	Fluids	Plasmas	Nanoscience	Electronic Devices	Instrumentation & Analysis	Mathematical Sciences	Education
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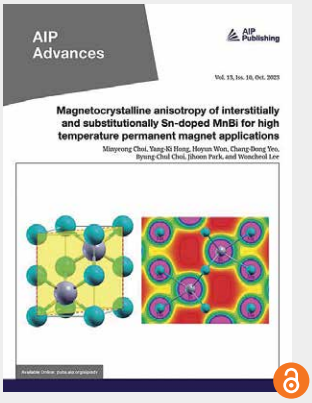
= Open Access Journal

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

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Impact Factor: 1.4*
Cited Half-Life: 5.2 years*
CiteScore™: 2.8†

2025: Volume 15,
12 issues per year
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AIP Conference Proceedings contain over 240,000 articles published in more than 3,000 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

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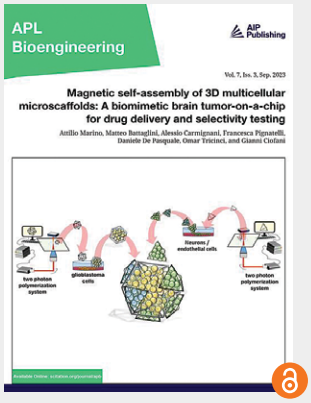

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2025: Volume 9,
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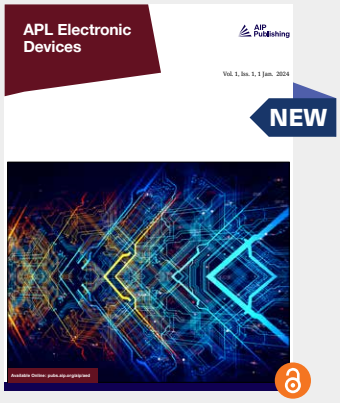
aplbioeng.aip.org

Q1 in Biomedical Engineering*



APL Electronic Devices publishes 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 materials/engineering—we welcome contributions ranging from fundamental aspects of electronic structure to the design, fabrication, and characterization of real-world electronic devices. Capturing research that is interdisciplinary and/or translational, the journal brings together cross-cutting research themes across materials science and device engineering. The journal aims to foster interactions between academia and industry by highlighting emerging fields in electronic materials and devices.

COVERAGE:

All areas of electronic devices: semiconductors; power electronics; quantum devices; energy materials and devices; photovoltaic systems; bioelectronics and biosensors; optoelectronics; photonic devices; printed and flexible electronics; additive manufacturing for microelectronics; sensors and actuators; neuromorphic devices; 2D materials and devices

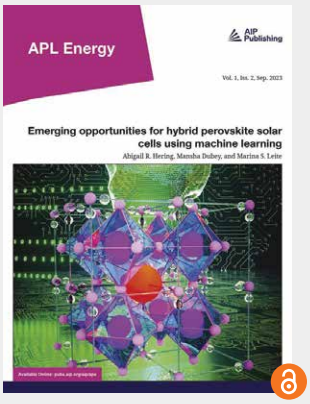
EDITOR-IN-CHIEF:

Sohini Kar-Narayan
University of Cambridge, UK

2025: Volume 1,
4 issues per year
E-ISSN: 2995-8423
aed.aip.org

*Data from the 2023 *Journal Citation Reports® Science Edition* (Clarivate, 2024).
†CiteScore™ 2023 for AIP Publishing Journals Calculated by Scopus.

= Open Access Journal



APL Energy is an open access journal featuring the most significant and exciting scientific developments related to energy and energy technologies. It welcomes interdisciplinary research from physics, chemistry, materials science, engineering, and related fields that develop energy technology and applications. The journal aims to bridge the gap between groundbreaking research and technological innovation.

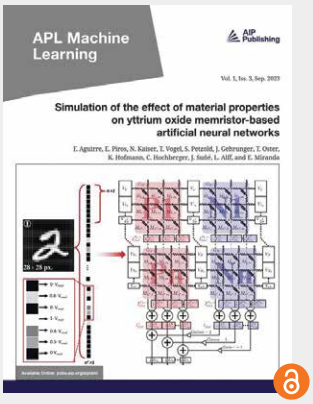
COVERAGE:

All areas of energy storage—batteries, capacitors, supercapacitors, solar and thermal energy storage, hydrogen storage; energy harvesting—photovoltaics, nanogenerators, electromagnetics, piezoelectrics, ferroelectics, 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), Spain

2025: Volume 3,
4 issues per year
E-ISSN: 2770-9000
ape.aip.org



APL Machine Learning is an 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.

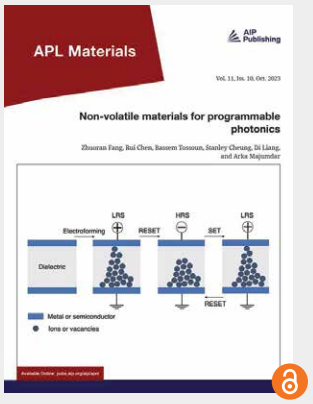
COVERAGE:

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

2025: Volume 3,
4 issues per year
E-ISSN: 2770-9019
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:

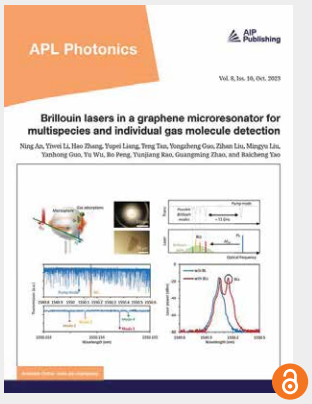
Bo Wang
Beijing Institute of Technology, China

Impact Factor: 5.3*
Cited Half-Life: 4.7 years*
CiteScore™: 9.6†

2025: Volume 13,
12 issues per year
E-ISSN: 2166-532X
aplmaterials.aip.org

Q2 in Materials Science, Multidisciplinary*

Q2 in Nanoscience & Nanotechnology*



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, Australia

Impact Factor: 5.4*
Cited Half-Life: 3.6 years*
CiteScore™: 10.3†

2025: Volume 10,
12 issues per year
E-ISSN: 2378-0967
aplphotonics.aip.org

Q1 in Applied Physics*

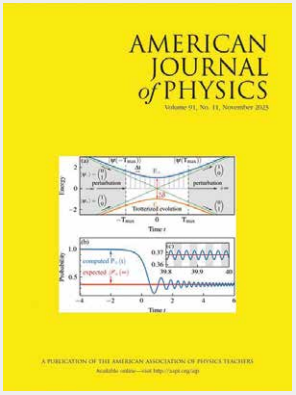
Q1 in Optics*

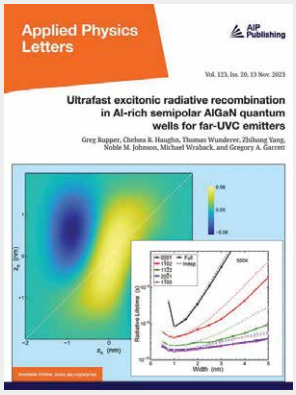
Tier 1 in Physics and Astrophysics**

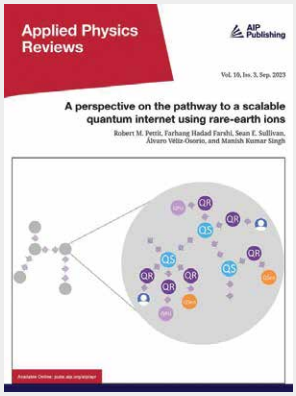
*Data from the 2023 *Journal Citation Reports® Science Edition* (Clarivate, 2024).
†CiteScore™ 2023 for AIP Publishing Journals Calculated by Scopus. **Chinese Academy of Sciences (CAS) ranking

= Open Access Journal

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,
Ireland

2025: Volume 2,
4 issues per year
E-ISSN: 2835-0103
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,
USA

Impact Factor: 0.8*
Cited Half-Life: 25 years*
CiteScore™: 1.8†

2025: Volume 93,
12 issues per year
ISSN: 0002-9505
E-ISSN: 1943-2909
ajp.aapt.org

Published on behalf of:

AAPT PHYSICS EDUCATION®

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; magnetics 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:

Maria Antonietta Loi
University of Groningen,
Netherlands

Impact Factor: 3.5*
Cited Half-Life: 11.7 years*
CiteScore™: 6.4†

2025: Volume 126 & 127,
52 issues per year
ISSN: 0003-6951
E-ISSN: 1077-3118
apl.aip.org

#4 top cited journal 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,
Australia

Impact Factor: 11.9*
Cited Half-Life: 4 years*
CiteScore™: 22.5†

2025: Volume 12,
4 issues per year
E-ISSN: 1931-9401
apr.aip.org

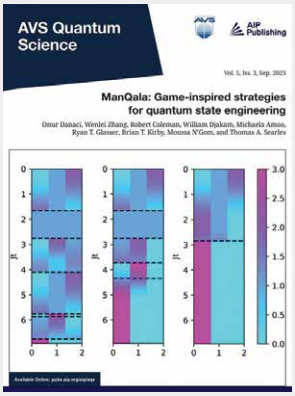
Q1 in Applied Physics*

Tier 1 in Physics and Astrophysics**

Tier 2 in Applied Physics**

*Data from the 2023 *Journal Citation Reports® Science Edition* (Clarivate, 2024).
**Chinese Academy of Sciences (CAS) ranking. †CiteScore™ 2023 for AIP Publishing Journals Calculated by Scopus.

= Open Access Journal



AVS Quantum Science, co-published by AIP Publishing and AVS, is a truly inter-disciplinary 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:

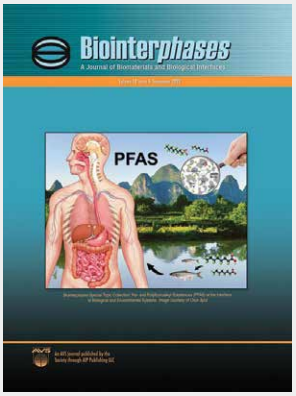
Philippe Bouyer
University of Amsterdam,
The Netherlands

Impact Factor: 4.2*
CiteScore™: 9.9†

2025: Volume 7,
4 issues per year
E-ISSN: 2639-0213
aqs.aip.org

10th highest IF in Quantum Science & Technology*

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: 1.6*
Cited Half-Life: 7.8 years*
CiteScore™: 4.1†

2025: Volume 20,
6 issues per year
ISSN: 1934-8630
E-ISSN: 1559-4106
pubs.aip.org/avs/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:

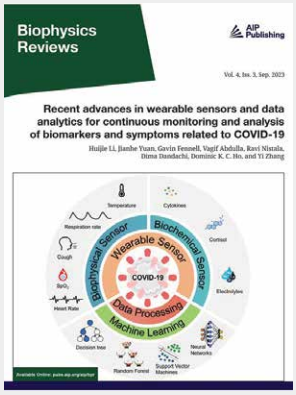
Microfluidic and nanofluidic actuation; liquid biopsy; cell sorting, manipulation, and transfection; molecular separation and concentration; cell culture and analysis; genomic and proteomic analysis; biosensors; biophysical transport and characterization; wetting, nano-rheology, and droplet platforms;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

Impact Factor: 2.6*
Cited Half-Life: 7.9 years*
CiteScore™: 5.8†

2025: Volume 19,
6 issues per year
E-ISSN: 1932-1058
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 intrumentation; bioimaging; computational biology and genomics; drug delivery

EXECUTIVE EDITOR:

Yujun Wang
AIP Publishing

EDITOR-IN-CHIEF:

Kit Parker
Harvard University,
USA

Impact Factor: 2.9*
CiteScore™: 3.6†

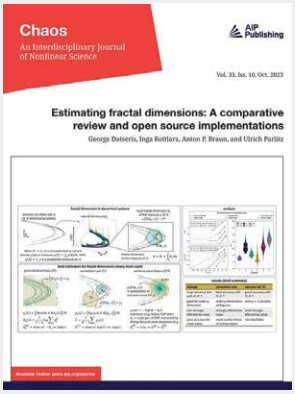
2025: Volume 6,
4 issues per year
E-ISSN: 2688-4089
bpr.aip.org

Q2 in Biophysics*

*Data from the 2023 *Journal Citation Reports® Science Edition* (Clarivate, 2024).
†CiteScore™ 2023 for AIP Publishing Journals Calculated by Scopus.

= Open Access Journal

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

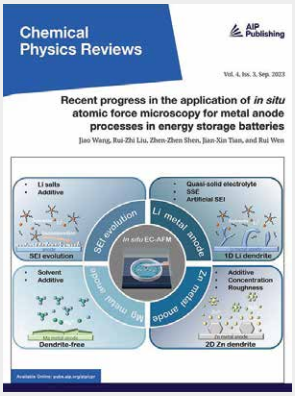
EDITOR-IN-CHIEF:

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

Impact Factor: 2.7*
Cited Half-Life: 5.3 years*
CiteScore™: 5.2†

2025: Volume 35,
4 print issues per year
(12 monthly online issues)
ISSN: 1054-1500
E-ISSN: 1089-7682
chaos.aip.org

6th highest IF in Mathematical Physics*



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:

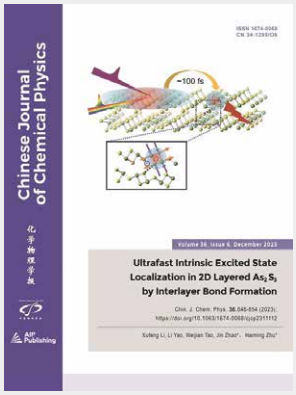
Felix N. Castellano
North Carolina State University, USA

Impact Factor: 6.1*

2025: Volume 6,
4 issues per year
E-ISSN: 2688-4070
cpr.aip.org

3rd highest IF (Q1) in Atomic, Molecular & Chemical Physics*

Q2 in Physical Chemistry*



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, China

Impact Factor: 1.2*
Cited Half-Life: 5.8 years*
CiteScore™: 1.9†

2025: Volume 38,
6 issues per year
ISSN: 1674-0068
E-ISSN: 2327-2244
cjcp.aip.org

Published on behalf of:

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:

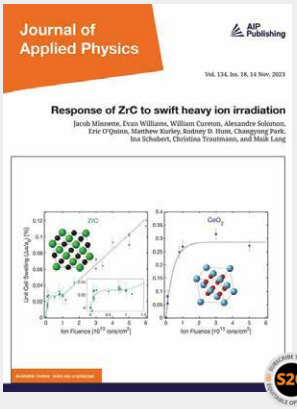
Gensheng Li
China University of Petroleum, China

2025: Volume 2,
4 issues per year
E-ISSN: 2994-9017
pubs.aip.org/hgmri/ijfe

Published on behalf of:

*Data from the 2023 *Journal Citation Reports® Science Edition* (Clarivate, 2024).
†CiteScore™ 2023 for AIP Publishing Journals Calculated by Scopus.

= Open Access Journal



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:

Julia R. Greer
California Institute of Technology, USA

Impact Factor: 2.7*
Cited Half-Life: 14.9 years*
CiteScore™: 5.4†

2025: Volume 137 & 138,
48 issues per year
ISSN: 0021-8979
E-ISSN: 1089-7550
jap.aip.org

#7 top cited 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 bio-acoustics and bioresponse to vibration; acoustic signal processing; computational acoustics; acoustics education

EDITOR-IN-CHIEF:

James F. Lynch
Woods Hole Oceanographic Institution, USA

Impact Factor: 2.1*
Cited Half-Life: 17.3 years*
CiteScore™: 4.6†

2025: Volumes 157 & 158,
12 issues per year
ISSN: 0001-4966
E-ISSN: 1520-8524
pubs.aip.org/asa/jasa

 # 1 top cited 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.

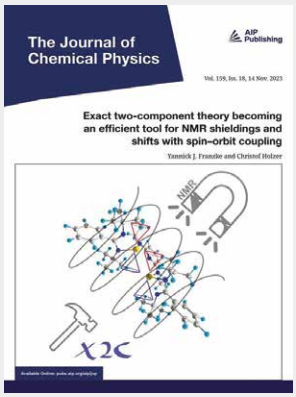
EDITOR-IN-CHIEF:

Charles C. Church
University of Mississippi, USA

Impact Factor: 1.2*
Cited Half-Life: 1.9 years*
CiteScore™: 1.7†

2025: Volume 5,
12 issues per year
E-ISSN: 2691-1191
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, USA

Impact Factor: 3.1*
Cited Half-Life: 19.1 years*
CiteScore™: 7.4†

2025: Volume 162 & 163,
48 issues per year
ISSN: 0021-9606
E-ISSN: 1089-7690
jcp.aip.org

#1 top cited and 8th highest IF (Q1) in Atomic, Molecular & Chemical Physics*

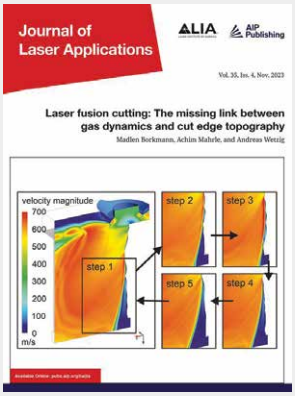
#4 top cited in Physical Chemistry*

Tier 2 in Chemistry**

*Data from the 2023 *Journal Citation Reports® Science Edition* (Clarivate, 2024).
†CiteScore™ 2023 for AIP Publishing Journals Calculated by Scopus. **Chinese Academy of Sciences (CAS) ranking

= Open Access Journal

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 digitized LIA Conference Proceedings includes over 6,300 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

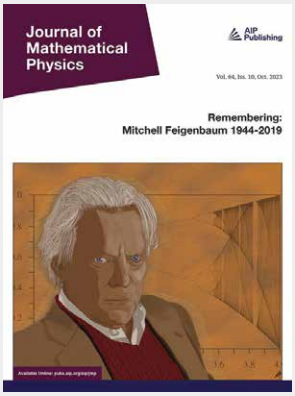
EDITOR-IN-CHIEF:

Yongfeng Lu
University of Nebraska - Lincoln, USA

Impact Factor: 1.7*
Cited Half-Life: 6.3 years*
CiteScore™: 3.6†

2025: Volume 37,
4 issues per year
ISSN: 1042-346X
E-ISSN: 1938-1387
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:

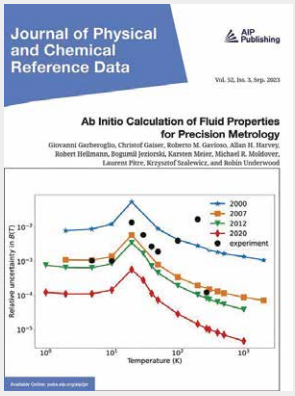
Partial differential equations; many-body and condensed matter physics; quantum information and computation; general relativity and gravitation; classical mechanics and classical fields; statistical physics; representation theory and algebraic methods; quantum mechanics—general and non-relativistic; 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: 1.2*
Cited Half-Life: 22.8 years*
CiteScore™: 2.2†

2025: Volume 66,
12 issues per year
ISSN: 0022-2488
E-ISSN: 1089-7658
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:

Donald R. Burgess, Jr.
National Institute of Standards and Technology,
USA

Allan H. Harvey
National Institute of Standards and Technology,
USA

Impact Factor: 4.4*
Cited Half-Life: 30.2 years*
CiteScore™: 6.9†

2025: Volume 54,
4 issues per year
ISSN: 0047-2689
E-ISSN: 1529-7845
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: 1.5*
Cited Half-Life: 19.6 years*
CiteScore™: 3.4†

2025: Volume 94,
12 issues per year
ISSN: 0031-9015
E-ISSN: 1347-4073
journals.jps.jp/journal/jpsj

Published on behalf of:

*Data from the 2023 *Journal Citation Reports® Science Edition* (Clarivate, 2024).
†CiteScore™ 2023 for AIP Publishing Journals Calculated by Scopus.

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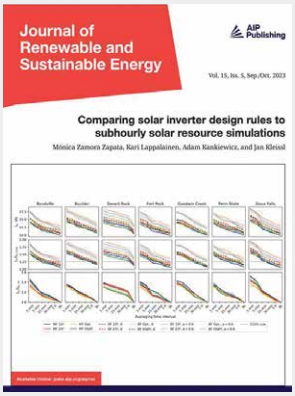


Journal of Renewable and Sustainable Energy is an interdisciplinary journal covering specific areas of renewable and sustainable energy relevant to the physical science and engineering communities. The journal has a strong focus on integration of disciplines for renewable power technologies at global 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:

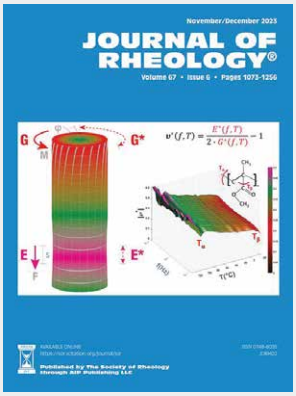
Energy meteorology and energy climatology; atmospheric physics; weather-dependent energy science and engineering; renewable energy resource assessment; energy and climate; solar energy for power generation (PV, CSP, CPV); wind energy; distributed energy generation; power systems modeling; energy efficient 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: 1.9*
Cited Half-Life: 6.2 years*
CiteScore™: 4.3†

2025: Volume 17,
6 issues per year
E-ISSN: 1941-7012
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, Greece

Impact Factor: 3.0*
Cited Half-Life: 14.5 years*
CiteScore™: 6.6†

2025: Volume 69,
6 issues per year
ISSN: 0148-6055
E-ISSN: 1520-8516
pubs.aip.org/sor/jor

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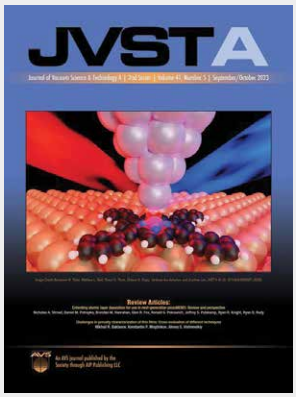

Journal of Vacuum Science & Technology A has a scope that is focused on the understanding of interfaces and surfaces at a fundamental level and to advance state-of-the-art technological applications of surface science and thin-film materials science.

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-IN-CHIEF:

Eray S. Aydil
New York University, USA

Impact Factor: 2.4*
Cited Half-Life: 11.5 years*
CiteScore™: 5.1†

2025: Volume 43,
6 issues per year
ISSN: 0734-2101
E-ISSN: 1520-8559
pubs.aip.org/avs/jva

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:

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, USA

Impact Factor: 1.5*
Cited Half-Life: 14.8 years*
CiteScore™: 2.7†

2025: Volume 43,
6 issues per year
ISSN: 2166-2746
E-ISSN: 2166-2754
pubs.aip.org/avs/jvb

Published on behalf of:

*Data from the 2023 *Journal Citation Reports® Science Edition* (Clarivate, 2024).
†CiteScore™ 2023 for AIP Publishing Journals Calculated by Scopus.

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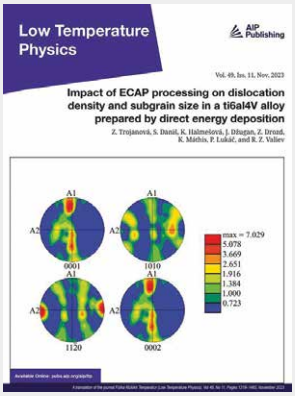
Publications



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:

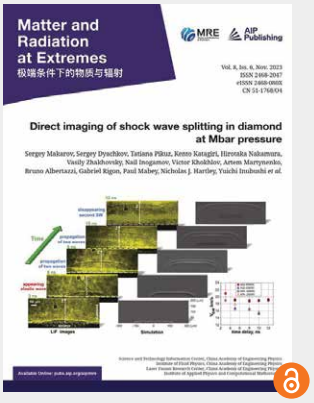
O. S. Kovalev

Yu. O. Kolesnichenko

S. S. Sokolov

Impact Factor: 0.6*
Cited Half-Life: 9.7 years*
CiteScore™: 1.2†

2025: Volume 51,
12 issues per year
ISSN: 1063-777X
E-ISSN: 1090-6517
ltp.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

CO-EDITORS-IN-CHIEF:

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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:

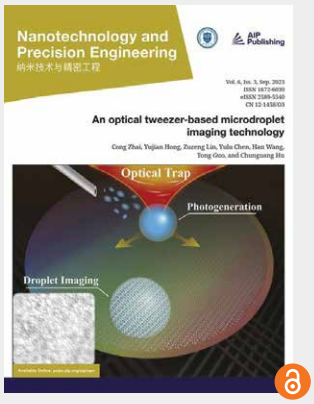
Jinren Sun
Shanghai Institute of Laser Plasma, China Academy of Engineering Physics, China

Hongbo Cai
Institute of Applied Physics and Computational Mathematics, China

Impact Factor: 4.8*
Cited Half-Life: 3.3 years*
CiteScore™: 8.6†

2025: Volume 10,
6 issues per year
ISSN: 2468-2047
E-ISSN: 2468-080X
mre.aip.org

Published on behalf of:



Nanotechnology and Precision Engineering is a peer-reviewed, interdisciplinary research journal that covers all areas related to nanotechnology and precision engineering, which provides a forum for researchers of the related field all over the world. Published four times per year, the journal publishes original research articles, reviews, communications and discussions.

COVERAGE:

Micro/Nano devices, sensors and actuators, micro- and nanoscale fabrication, MEMS/NEMS, micro/nano fluidics, micro/nano optics, micro/nanotechnology for biomedical applications, micro- and nano characterization and metrology, flexible electronics, advanced materials and their interface with micro/nanotechnology, precision instruments, precision engineering, industrial, frontier and future trends for the journal

EDITOR-IN-CHIEF:

Xuexin Duan
Tianjin University, China

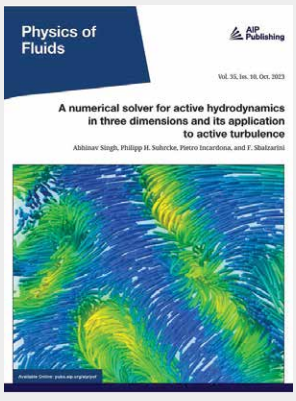
EXECUTIVE EDITOR:

Zhoumo Zeng
Tianjin University, China

Impact Factor: 3.5*
Cited Half-Life: 3.3 years*
CiteScore™: 6.5†

2025: Volume 8,
4 issues per year
ISSN: 1672-6030
E-ISSN: 2589-5540
npe.aip.org

Published on behalf of:



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

COVERAGE:

Turbulent and laminar flows; interfacial flows; instability and transition; biofluid mechanics; particulate, multiphase, and granular flows; micro- and nanofluid mechanics; geophysical and compressible flows; viscous and non-Newtonian flows; computational fluid dynamics; aerospace and aeronautical flow; droplets; viscoelasticity; acoustics; astrophysical flow; transonic flow; continuum mechanics; soft matter; cryogenic flow; foam, bubbles, and film mechanics; Knudsen flow; shockwave phenomena; electrical and magnetic effects in fluid flow; relativistic fluid mechanics; complex fluids; flow orientation and anisotropy; mathematics of fluids; flows with other transport phenomena; fluid physical properties; flows with complex boundary conditions; fluid-structure interactions; flow visualization; contact lines; molecular theory

EDITOR-IN-CHIEF:

A. Jeffrey Giacomin
University of Nevada, USA

Impact Factor: 4.1*
Cited Half-Life: 5.8 years*
CiteScore™: 6.5†

2025: Volume 37,
12 issues per year
ISSN: 1070-6631
E-ISSN: 1089-7666
pof.aip.org

#3 top cited and 2nd highest IF in Fluids & Plasmas Physics*

*Data from the 2023 *Journal Citation Reports® Science Edition* (Clarivate, 2024).
†CiteScore™ 2023 for AIP Publishing Journals Calculated by Scopus.

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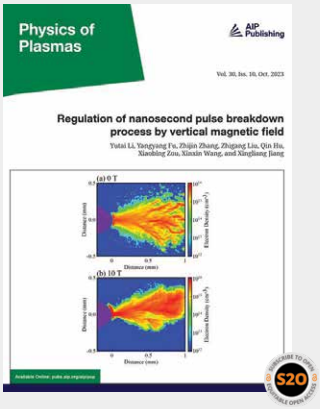


Physics of Plasmas, published by AIP Publishing in cooperation with the APS Division of Plasma Physics, is committed to the publication of original research in all areas of experimental, computational, and theoretical plasma physics. *Physics of Plasmas* publishes comprehensive and in-depth review papers covering important areas of study and 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.

COVERAGE:

Basic plasma phenomena; plasma waves and instabilities; magnetically confined plasmas, heating, confinement; nonlinear phenomena, turbulence, transport; heliospheric and astrophysical plasmas; dusty plasmas; low-temperature plasmas, plasma applications, plasma sources, sheaths; inertially confined plasmas, high energy density plasma science, warm dense matter; plasma-based accelerators, beams, radiation generation; radiation emission, absorption, and transport

EDITOR-IN-CHIEF:

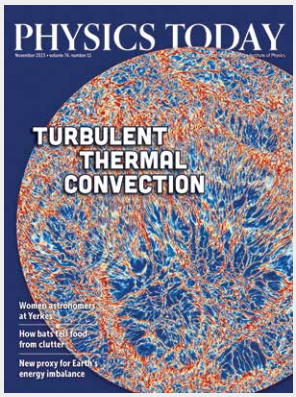
Michael E. Mauel
Columbia University,
USA

Impact Factor: 2.0*
Cited Half-Life: 9.6 years*
CiteScore™: 4.1†

2025: Volume 32,
12 issues per year
ISSN: 1070-664X
E-ISSN: 1089-7674
pop.aip.org

#4 top cited in Fluids & Plasmas Physics*

Tier 3 in Fluids & Plasmas**



Physics Today is the most influential and closely followed physics magazine in the world. With authoritative features, full news coverage and analysis, and fresh perspectives on technological advances and ground-breaking research, *Physics Today* informs readers about science and its role in society.

COVERAGE:

Entire range of physics and physics related sciences

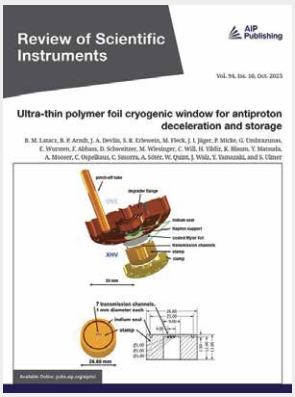
EDITOR-IN-CHIEF:

Richard J. Fitzgerald
American Institute of Physics,
USA

Impact Factor: 2.8*
Cited Half-Life: 20.5 years*
CiteScore™: 1.8†

2025: Volume 78,
12 issues per year
ISSN: 0031-9228
E-ISSN: 1945-0699
pubs.aip.org/physicstoday

Published on behalf of:
AIP



Review of Scientific Instruments publishes novel advancements in scientific instrumentation, apparatuses, techniques of experimental measurement, and related mathematical analysis. Its content includes publication of regular articles, review articles, perspectives, tutorials, and notes on instruments covering all areas of science including physics, chemistry, and biology.

COVERAGE:

Pump-Probe and resonance ionization lasers and general lasers; spectroscopy and photon optics and detectors; atom/molecule traps, manipulation and detection; ion optics and acceleration, Particle sources and detectors, and nuclear physics; fusion and plasmas; all micro-scopy, imaging methods, and positioning systems; condensed matter and materials; chemistry, biology, and medicine; gravity, geophysics, astronomy and astrophysics, and remote sensing; electronics, electro-magnetic technology, microwaves, and power supplies; thermometry, thermal diffusivity, acoustics, photothermal and photoacoustic; sensors, actuators, positioning devices, and MEMS/NEMS; general instruments and experimental techniques or analyses

EDITOR-IN-CHIEF:

Robert Kaita
Princeton Plasma Physics Laboratory,
USA

Impact Factor: 1.3*
Cited Half-Life: 11.4 years*
CiteScore™: 3.0†

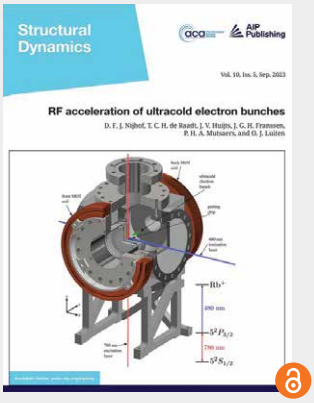
2025: Volume 96,
12 issues per year
ISSN: 0034-6748
E-ISSN: 1089-7623
rsi.aip.org

#8 top cited in Instruments & Instrumentation*

*Data from the 2023 *Journal Citation Reports® Science Edition* (Clarivate, 2024).
†CiteScore™ 2023 for AIP Publishing Journals Calculated by Scopus. **Chinese Academy of Sciences (CAS) ranking

= Open Access Journal

Publications



Structural Dynamics is a peer-reviewed, open access journal that focuses on experimental and theoretical methods and techniques that explore characterization and dynamics of a broad range of compounds including macromolecules, organic and inorganic small molecules, organometallic complexes and bulk or layered materials.

COVERAGE:

X-ray and electron diffraction and scattering; coherent diffractive imaging; X-ray and photoelectron spectroscopies; artificial intelligence; neutron scattering techniques; electron and cryoelectron microscopy; small and wide-angle X-ray scattering; nuclear MRI; chirality sensitive spectroscopes; and surface-specific nonlinear optical techniques

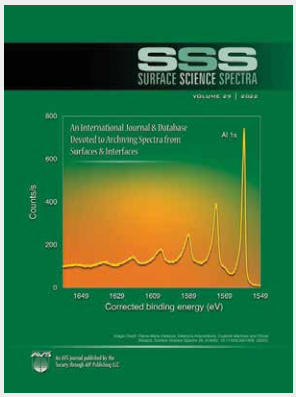
EDITOR-IN-CHIEF:

George N. Phillips Jr.
Rice University, USA

Impact Factor: 2.3*
Cited Half-Life: 6.1 years*
CiteScore: 5.5†

2025: Volume 12,
6 issues per year
E-ISSN: 2329-7778
pubs.aip.org/aca/sdy

Published on behalf of:



Surface Science Spectra **(SSS)** is an international journal & database devoted to supporting authors in publishing their data. SSS is an AVS archival journal and electronic database, that publishes basic materials characterization data that is peer-reviewed and available for you to plot yourself. Much of the data in SSS has also been made accessible through the interactive data analysis tool: eSpectra.

More specifically, SSS publishes XPS, AES, SIMS, Spectroscopic Ellipsometry, LEIS, and UV-vis data on a wide range of materials in both regular and focusedtopic issues for use by individual investigators and as a reference for analytical laboratories.

COVERAGE:

Reference, comparison, and technical spectra representing a range of spectra including XPS, AES, SIMS, Spectroscopic Ellipsometry, LEIS, and UV-vis on close to 800 different materials with downloadable data

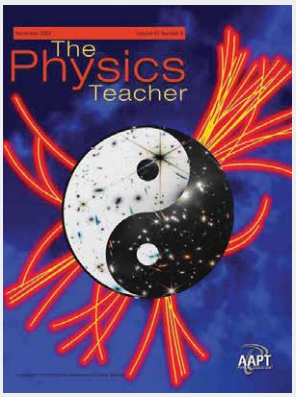
EDITOR:

Richard T. Haasch
University of Illinois at Urbana Champaign, USA

Impact Factor: 1.6*
Cited Half-Life: 22.4 years*
CiteScore: 1.9†

2025: Volume 32,
2 issues per year
ISSN 1055-5269
E-ISSN: 1520-8575
pubs.aip.org/avs/sss

Published on behalf of:



The Physics Teacher is dedicated to the strengthening of the teaching of introductory physics at all levels. The journal includes tutorial papers, articles on pedagogy, current research, and news in physics, as well as history, philosophy, and biography. Notes cover classroom techniques and columns feature demonstration apparatus, and book and film reviews.

COVERAGE:

Tutorial papers; articles on pedagogy; current research or news in physics; articles on history and philosophy of science; biographies; demonstrations; apparatus; book reviews

EDITOR:

Gary D. White
The George Washington University, USA

Impact Factor: 0.5*
Cited Half-Life: 11.2 years*
CiteScore: 1.1†

2025: Volume 63,
9 issues per year
ISSN: 0031-921X
E-ISSN: 1943-4928
pubs.aip.org/aapt/pte

Published on behalf of:

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†CiteScore™ 2023 for AIP Publishing Journals Calculated by Scopus.

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