



Product Guide 2019

DISCOVER WHAT'S POSSIBLE

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Welcome to the 2019 AIP Publishing Product Guide



In a publishing landscape dominated by commercial enterprises, as a not-for-profit society publisher AIP Publishing remains committed to a bigger mission, to serve the physical sciences community. We believe in the potential of every scientific discovery – what's published today becomes the foundation and the inspiration for researchers tomorrow.

We're actively working to make the publishing system better for scientists and for science. In 2018 we removed page and color charges from all AIP Publishing journals to reduce barriers to publication. We're currently investing in a new system for Article Processing Charges (APCs) that will make it easier for researchers to pay for open access publications and will enable institutions who are involved in managing APCs to make payments on behalf of their authors.

Disseminating research is at the core of what we do as a society publisher, and our policies and marketing initiatives are designed to help authors gain visibility for their work and support their careers. We encourage our authors to post their accepted manuscript via their personal website and to deposit a copy into institutional, subject and funder repositories. Through our new Scilight program, professional science writers work with authors to create a short summary of their article, emphasizing its significance to a particular field. Scilights are published simultaneously with the article on Scitation and can be shared on social media.

With over **100,000 active authors and reviewers**, nearly **4,000 institutional customers**, and **1.3 million monthly users**, AIP Publishing serves a truly global community of physics researchers. In 2019 we're expanding our reach through a new partnership with the Physical Society of Japan.

This year we've made some changes to harmonize our subscription models, to provide the same flexible options for purchasing across all our titles and those of our publishing partners, and to give our customers a choice in selecting the content that best serves your needs. We've also expanded the Digital Archive which now includes content from 403,000+ articles dating back to 1930.

As a wholly-owned subsidiary of the American Institute of Physics, AIP Publishing supports an 80+ year tradition of investing in physics education, student programs, and government relations to guide policy and academic dedication to the physical sciences. Our role as a steward for physics can perhaps most clearly be seen in the Niels Bohr Library & Archives in College Park, Maryland. The recent acquisition of the Wenner collection of rare books keeps the history of physics alive and accessible to scholars, researchers and the public.

Our customers play a vital role in ensuring that our mission can be met. Together we can lead and serve our community for generations to come.

A handwritten signature in black ink that reads "John Haynes". The signature is written in a cursive, flowing style.

John Haynes, Ph.D.
CEO, AIP Publishing

Covering the Physical Science Spectrum

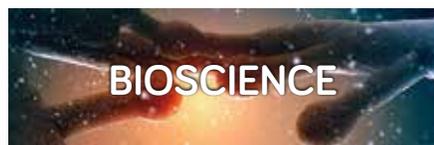
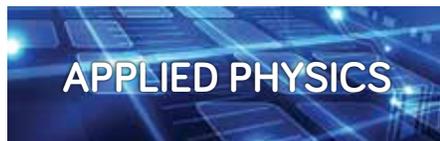
The AIP Publishing portfolio includes 33 publications across a broad spectrum of research areas. With research, reviews, and news covering a wide range of subject areas that impact a diverse set of industries, AIP Publishing offers more than just physics.

Our flagship journals, *Applied Physics Letters*, *Journal of Applied Physics*, and *The Journal of Chemical Physics* set the standard for quality across all our publications. The research published in these titles paves the way for new fields of study, gives rise to new techniques, and provides inspiration to contemporary researchers. Other prestigious titles within the portfolio cover plasmas, fluids, mathematical physics, instrumentation, and education.

The AIP Publishing portfolio offers scientists, engineers and students a foundation of interdisciplinary and emerging research, both basic and applied, that shape the future of research and development.

The AIP Publishing portfolio covers **many subject areas** across **several industries**, providing readers with access to research across the physical science spectrum.

Subject Areas



Corporate Application

At the rate scientific developments and research are being released, it is important that we provide companies with access to the latest in their respective industry.



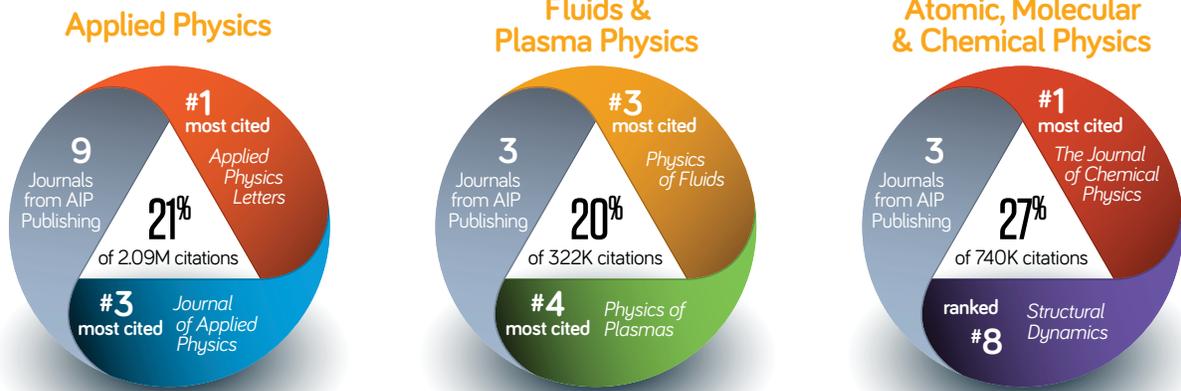
Global Reach and Outstanding Quality

Global Dissemination

Researchers from nearly **4,000 institutions** spanning **190+ countries** across the world access **36M abstracts** and download **24M+ articles** annually.



Outstanding Quality

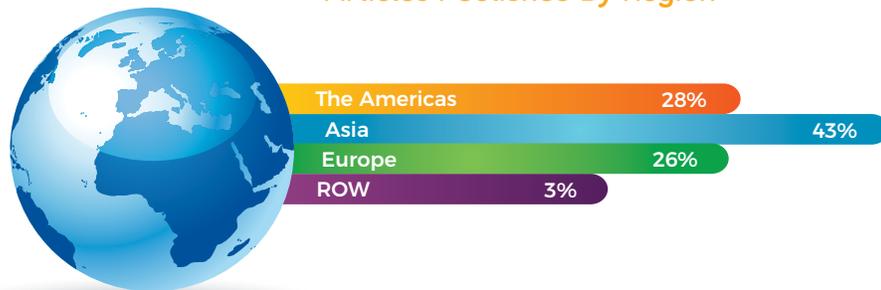


*2017 Journal Citation Reports® (Clarivate Analytics, 2018)

Articles Published By Region

Global Authorship

In 2017, more than **15,700** articles** published across all publications, representing the global community of scientists.



**excludes AIP Conference Proceedings

Access Options

AIP Complete

Access to the entire AIP Publishing Portfolio
(librarians.aip.org/complete)

Offering the research community access to highly-cited, peer-reviewed publications including all subscription publications from AIP Publishing, *Physics Today*, *AIP Conference Proceedings* and our publishing partner journals. Spanning the physical sciences, this collection offers access to:

- 26 highly-rated publications
- 885K+ articles
- Research from Nobel Prize winners and notable scientists

The package includes the *Journal of the Physical Society of Japan* – newly available from AIP Publishing in 2019.

Subscription Options Available:

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

AVS Bundled Package

Four journals covering thin films, MEMS & NEMS, interfaces and surface science; as well as biological interfaces, atomic layer deposition and nanotechnology. Included in the package is a database-journal hybrid that concentrates on data reproducibility. Content available back to 1964 available as Frontfile only (1999-present) or Backfile + Frontfile (1964-present).

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

Physics of Fluids, Physics of Plasmas, and Journal of Rheology Package

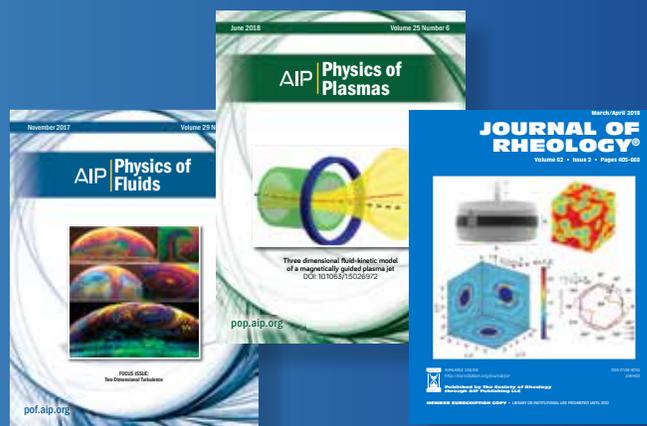
Online access to three highly regarded publications for fluids and plasmas researchers dating back to 1958. Access to content is available as Frontfile only (1999-present) or Backfile + Frontfile (1958-present).

Includes access to:

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

CONTACT YOUR
SALES MANAGER
to discuss the package
that best suits your needs.

+1 800-344-6902
+1 516-576-2270
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Digital Archives

librarians.aip.org/digitalarchives

AIP | Digital Archives

Secure perpetual access to the complete Digital Archive from AIP Publishing.

The AIP Digital Archives has been upgraded to include archival access to 20 publications from AIP Publishing and its publishing partners (from Volume 1, Issue 1 through 1998) dating back to 1930.

Covering nearly 70 years of scientific advancements and discoveries, the **AIP Digital Archives** is an indispensable resource that offers perpetual access to 403,000+ articles on groundbreaking research in the physical sciences. This collection continues to drive research and discovery, and is packed with material relevant to physicists, chemists, materials scientists, engineers, and biologists.

The package now includes:

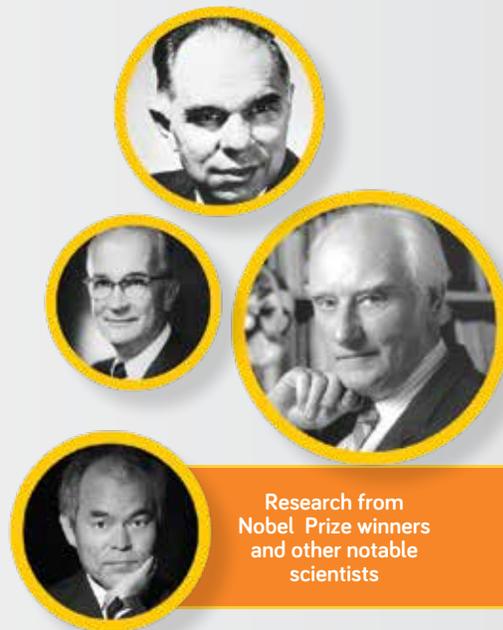
- *AIP Conference Proceedings*
- *American Journal of Physics**
- *Applied Physics Letters*
- *Chaos*
- *Journal of Applied Physics*
- *Journal of Laser Applications*
- *Journal of Mathematical Physics*
- *Journal of Physical and Chemical Reference Data*
- *JVSTA: Vacuum, Surfaces and Films**
- *JVSTB: Nanotechnology and Microelectronics**
- *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 Rheology**
- *The Journal of the Acoustical Society of America**
- *The Physics Teacher**

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

**CONTACT YOUR
SALES MANAGER**

for more information
and a quote.

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+1 516-576-2270
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Research from
Nobel Prize winners
and other notable
scientists

The Scitation Platform

www.scitation.org

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

Administrators can:

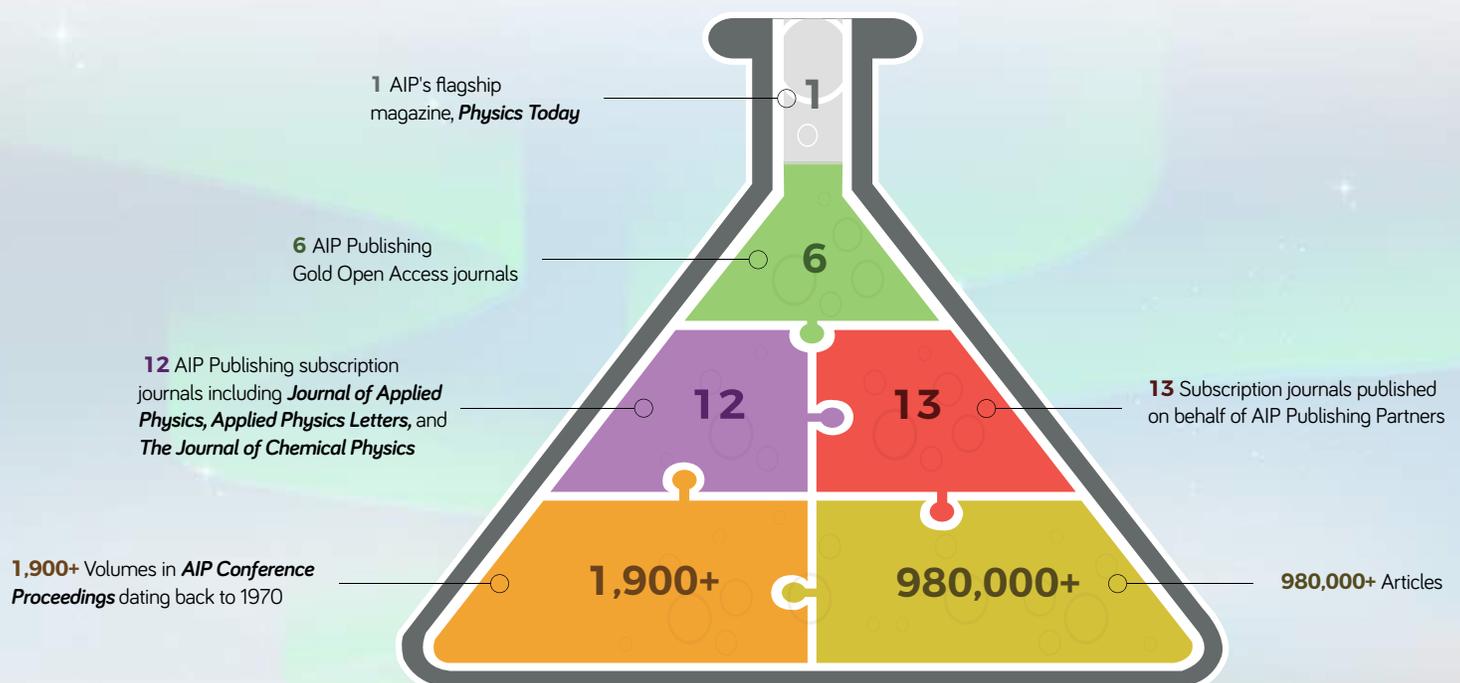
- **Manage** account holdings, admin rights, IP ranges, and more
- **Update branding** so your users know access is being provided by their institution
- **Review and analyze** COUNTER usage statistics

Users can take advantage of:

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



Facts & Figures



Library Resource Center

publishing.aip.org/librarians

AIP Publishing's Library Resource Center is the administrative hub for your AIP Publishing account. From publishing.aip.org/librarians, Administrators can:

- **View** current pricing and licensing policies
- **Download** promotional, user awareness material
- **Access** usage reports
- **View** the latest *Library Matters* newsletter
- **Link** to AIP Publishing's KBART file and list of AIP Conference Proceedings
- **Learn** about new products and offers



View the latest Product Guide

Access current pricing and recent updates from AIP Publishing

Learn about publications offered, purchasing options, pricing, open access and more

Access the latest *Library Matters* newsletter

Manage your account, view usage reports, KBART listing and more

Explore the breadth of the AIP Publishing Portfolio

Download promotional material to publicize your access

From the Scitation platform, Administrators can easily access content and manage account settings in one place. In order to do so, create a profile on www.scitation.org then log on to:

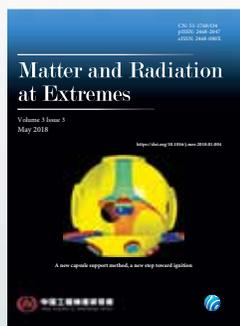
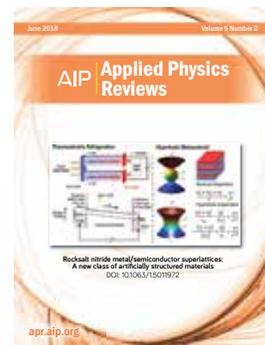
- Manage IP ranges
- View licensed content
- Manage administrator access to the account
- Access usage reports
- View KBART Holdings, and set up Link Resolver and Shibboleth

A complete Administrator User Guide can be downloaded from the Library Resource Center — www.publishing.aip.org/librarians.

Customer Updates, Initiatives and Partnerships

APR Now Accepting Original Research

Applied Physics Reviews is expanding its scope to include original research articles. APR is accepting submissions on important and novel studies of high quality and general interest to the applied physics community. The first research articles will publish in autumn 2019, and authors will have a unique opportunity to publish their work in an established, cutting edge journal. Learn more about APR by visiting <https://aip.scitation.org/journal/are>.



Matter and Radiation at Extremes – newly available from AIP Publishing in 2019

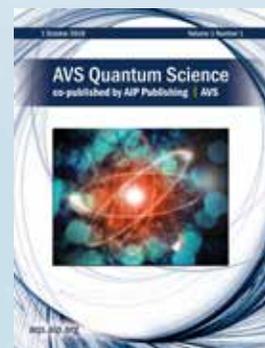
Joining AIP Publishing's Open Access portfolio, **Matter and Radiation at Extremes (MRE)** is committed to the publication and dissemination of original research and review papers in all areas of experimental and theoretical physics on matter and radiation at extremes. Published on behalf of the **China Academy of Engineering Physics (CAEP)**.

To learn more about Matter and Radiation at Extremes, visit mre.aip.org.

AVS Quantum Science – new from AIP Publishing in 2019

The American Vacuum Society (AVS) and AIP Publishing are launching a new review journal: **AVS Quantum Science**. Available online only in October 2019, **AVS Quantum Science** will cover many aspects of quantum science and technology including experimental and theoretical advances across physics, chemistry, biology, materials science, optics, and electronics.

For more information about **AVS Quantum Science** visit aip.scitation.org/journal/aqs.



Journal of the Physical Society of Japan – available through AIP Publishing in 2019

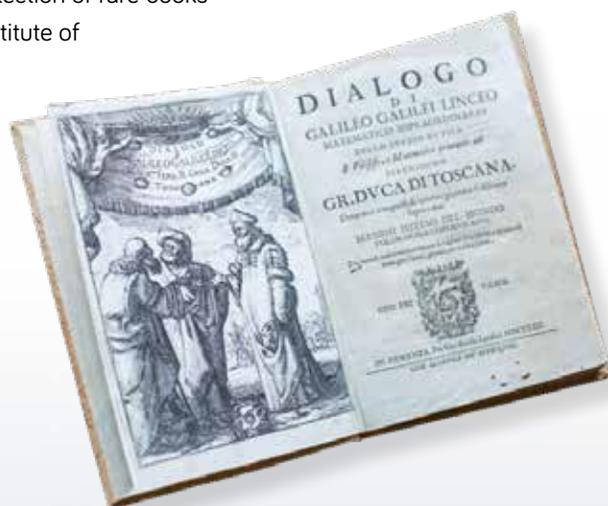
As of January 2019, the **Journal of the Physical Society of Japan (JPSJ)** will be available through AIP Publishing. **JPSJ** is a flagship journal of The Physical Society of Japan (JPS) and has been publishing important research results in all fields of physics, from condensed matter physics to particle physics, since 1946.

Monthly issues will remain available through The Physical Society of Japan's online platform and accessible at journals.jps.jp/journal/jpsj.

The Niels Bohr Library & Archives – Addition of the Wenner Collection

Building upon the world-renowned Niels Bohr Library & Archives, the Wenner Collection of rare books and manuscripts arrived at AIP Publishing's parent organization, the American Institute of Physics in College Park, MD, in May 2018. This rare book collection contains the most important discoveries in the physical sciences over the past four centuries and consists of 3,800 volumes that were curated over the past 25 years by David Wenner. Topics in the collection include classical mechanics, electricity and magnetism, thermodynamics, condensed matter physics, astrophysics, cosmology and particle physics. The collection includes works by Galilei Galileo, Isaac Newton, Max Planck, Marie Curie, and Maria Goeppert-Mayer, and is now available for public viewing.

To learn more about the Wenner Collection, visit <https://www.aip.org/physics-heritage-and-promise>.



Industry Initiatives and Partnerships

AIP Publishing participates in numerous industry initiatives and partnerships that support and safeguard the flow of scholarly content to the science community.

CHORUS



COUNTER
CONSISTENT CREDIBLE COMPARABLE

CROSSref

I40C

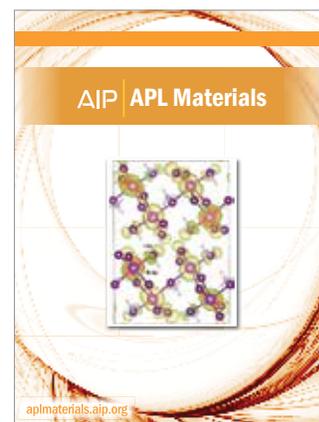
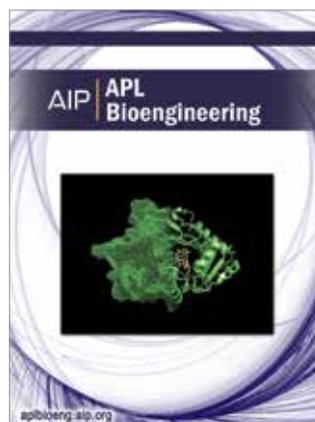
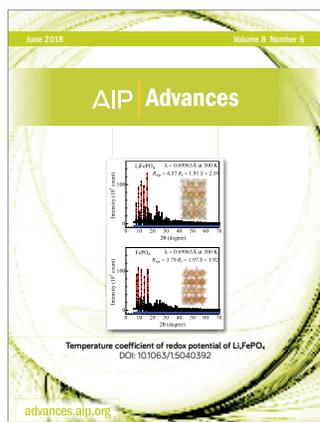
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Connecting Research
and Researchers



TRANSFER
a UKSG initiative

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. All articles are published under the Creative Commons License (CC-BY) and are immediately freely available to read, download, and share.

Coverage:

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

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Peking University
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Journal Impact Factor: 1.653*

2019: Volume 9, 12 issues
(online only)

E-ISSN: 2158-3226

aip.scitation.org/journal/adv

AIP Conference Proceedings

contain over 100,000 articles published in more than 1,900 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

aip.scitation.org/journal/apc

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

Coverage:

All areas of bioengineering including: biomechanics; biomedical instrumentation and imaging; biomicrodevices; biomimetic materials; biophotonics; biophysics; biosensors; cell and tissue engineering; drug delivery and gene therapy; engineered living systems; genome engineering; neuroengineering; soft robotics; stem cell engineering; systems biology and computational biology

Editor-in-Chief:

Justin Cooper-White

University of Queensland
Brisbane, Australia

2019: Volume 3, 4 issues
(online only)

E-ISSN: 2473-2877

aip.scitation.org/journal/apb



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, and special topic collections on emerging areas in materials science.

Coverage:

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

Editor-in-Chief:

Judith L. MacManus-Driscoll

University of Cambridge
Cambridge, UK

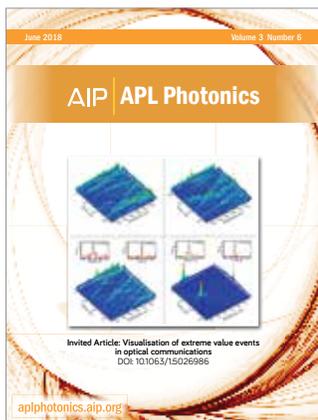
Journal Impact Factor: 4.127*

2019: Volume 7, 12 issues
(online only)

E-ISSN: 2166-532X

aip.scitation.org/journal/apm





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

Director, Sydney Nano,
School of Physics
University of Sydney, Australia

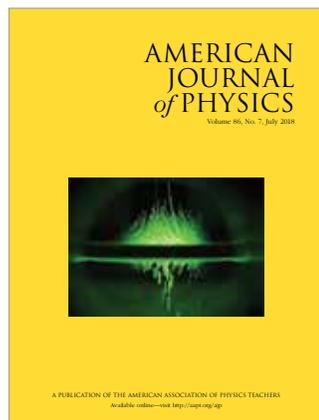
**Indexed in Web of Science;
Journal Impact Factor forthcoming**

2019: Volume 4, 12 issues

(online only)

E-ISSN: 2378-0967

aip.scitation.org/journal/app



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

Coverage:

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

Editor:

Richard Price

Massachusetts Institute of
Technology, Cambridge, MA, USA

Journal Impact Factor: 1.034*

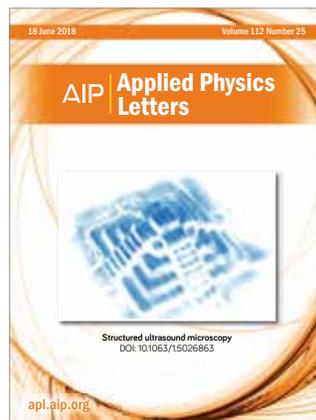
2019: Volume 87, 12 issues per year

ISSN: 0002-9505

E-ISSN: 1943-2909

aapt.scitation.org/journal/ajp

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.

Coverage:

Photonics and optoelectronics; surfaces and interfaces; structural, mechanical, optical, and thermodynamic properties of advanced materials; semiconductors; magnetism and spintronics; superconductivity and superconducting electronics; dielectrics, ferroelectrics, and multiferroics; nanoscale science and technology; organic electronics and photonics; device physics; biophysics and bio-inspired systems; energy conversion and storage; interdisciplinary and general physics

Editor-in-Chief:

Reuben T. Collins

Colorado School of Mines
Golden, CO, USA

Journal Impact Factor: 3.495*

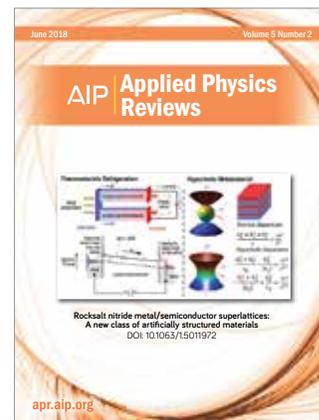
2019: Volumes 114 & 115, 52 issues

ISSN: 0003-6951

E-ISSN: 1077-3118

aip.scitation.org/journal/apl

**The most 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:

Luigi Longobardi

AIP Publishing

Editors-in-Chief:

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Gainesville, FL, USA

John M. Poate

Colorado School of Mines
Golden, CO, USA

Journal Impact Factor: 12.894*

2019: Volume 6, 4 issues

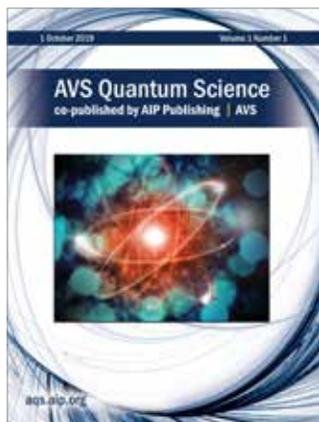
(online only)

E-ISSN: 1931-9401

aip.scitation.org/journal/are

**New in 2019:
Accepting Original Research**

Publications



AVS Quantum Science, published in partnership with the American Vacuum Society (AVS), strives to be a leading interdisciplinary journal covering many aspects of quantum science and technology. The scope of *AVS Quantum Science* includes: materials and technology for quantum devices, macroscopic quantum phenomena, quantum biology, quantum materials, and measurement technology and advancements.

Coverage:

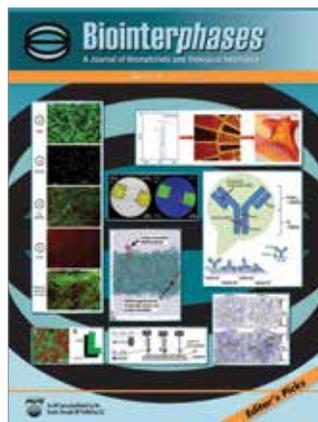
Experimental and theoretical advances across physics, chemistry, biology, materials science, optics, electronics and other technological areas; as well as research in the nanosciences.

2019: Volume 1, 6 issues

Published on behalf of:



Newly available from
AIP Publishing in 2019



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 / bioheology; molecular recognition; cell patterning for function; polyelectrolyte surfaces; ambient diagnostic methods

Editor-in-Chief:

Sally L. McArthur
Swinburne University of Technology
Melbourne, Australia

Journal Impact Factor: 2.455*

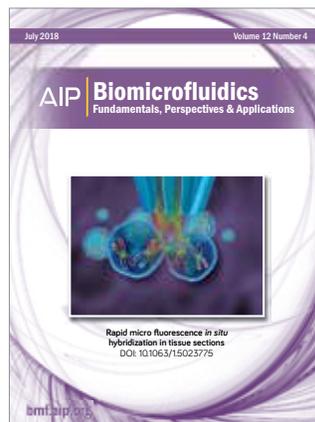
2019: Volume 14, 6 issues

ISSN: 1934-8630

E-ISSN: 1559-4106

avs.scitation.org/journal/bip

Published on behalf of:



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

Coverage:

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

Editor-in-Chief:

Leslie Y. Yeo
RMIT University
Melbourne, Australia

Journal Impact Factor: 2.571*

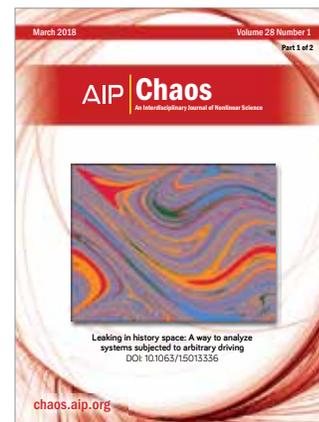
2019: Volume 13, 6 issues

(online only)

ISSN: 1932-1058

E-ISSN: 1932-1058

aip.scitation.org/journal/bmf



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 phenomena; network structure and dynamics; experimental nonlinear dynamics; neural networks; cardiac dynamics; solitons; synchronization; pattern formation; turbulence

Editor-in-Chief:

Jürgen Kurths
Potsdam Institute for Climate
Impact Research
Potsdam, Germany

Journal Impact Factor: 2.415*

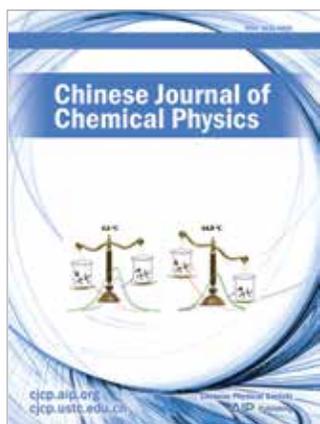
2019: Volume 29, 4 print issues

(12 monthly online issues)

ISSN: 1054-1500

E-ISSN: 1089-7682

aip.scitation.org/journal/cha



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

Coverage:

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

Editor-in-Chief:

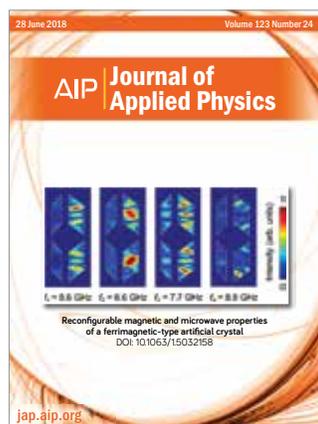
Xue-ming Yang
Dalian Institute of Chemical Physics
Dalian, China

Journal Impact Factor: 0.586*

2019: Volume 32, 6 issues
ISSN: 1674-0068
E-ISSN: 2327-2244

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cjp.ustc.edu.cn

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Editor-in-Chief:

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

Journal Impact Factor: 2.176*

2019: Volumes 125 & 126, 48 issues

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E-ISSN: 1089-7550
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Editor-in-Chief:

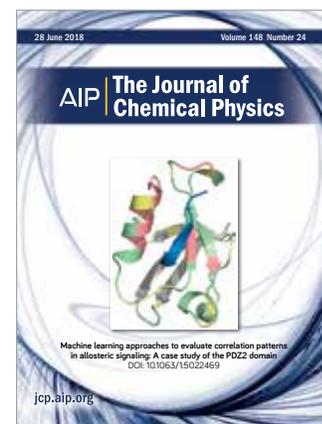
James F. Lynch
Woods Hole
Oceanographic Institution
Woods Hole, MA, USA

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Marsha I. Lester
University of Pennsylvania
Philadelphia, PA, USA

2019 Editor-in-Chief:

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

Journal Impact Factor: 2.843*

2019: Volumes 150 & 151, 48 issues
ISSN: 0021-9606

E-ISSN: 1089-7690
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Publications



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Editor-in-Chief:

Yongfeng Lu

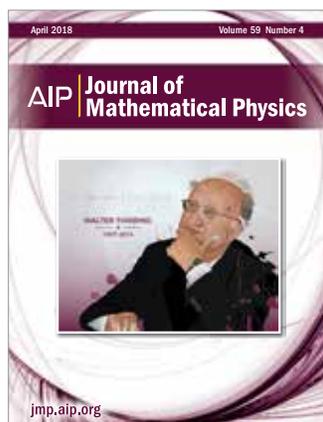
College of Engineering
University of Nebraska - Lincoln
Lincoln, NE, USA

Journal Impact Factor: 1.597*

2019: Volume 31, 4 issues
(online only)
ISSN: 1042-346X
E-ISSN: 1938-1387

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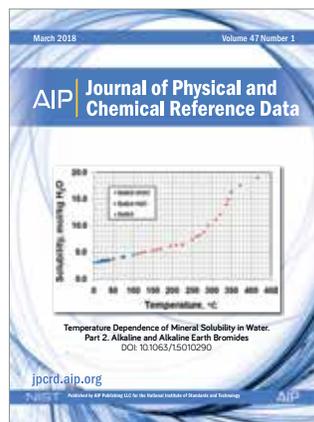
Editor-in-Chief:

Bruno L. Z. Nachtergaele

University of California
Davis, CA, USA

Journal Impact Factor: 1.165*

2019: Volume 60, 12 issues
ISSN: 0022-2488
E-ISSN: 1089-7658
aip.scitation.org/journal/jmp



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Editors-in-Chief:

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National Institute of Standards and Technology
Gaithersburg, MD, USA

Allan H. Harvey

National Institute of Standards and Technology
Boulder, CO, USA

Journal Impact Factor: 3.51*

2019: Volume 48, 4 issues
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E-ISSN: 1529-7845
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Editor-in-Chief:

Kazuo Ueda

The Physical Society of Japan

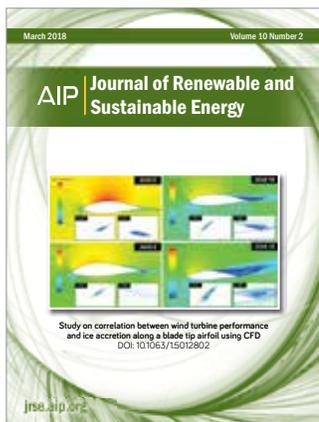
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E-ISSN: 1347-4073
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Editors-in Chief:

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John A. Turner
National Renewable Energy
Laboratory
Golden Colorado, USA

Journal Impact Factor: 1.337*

2019: Volume 11, 6 issues
(online only)

E-ISSN: 1941-7012

aip.scitation.org/journal/rse/low



The 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.

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Editor:

Ralph H. Colby
The Pennsylvania State University
University Park, PA, USA

Journal Impact Factor: 2.969*

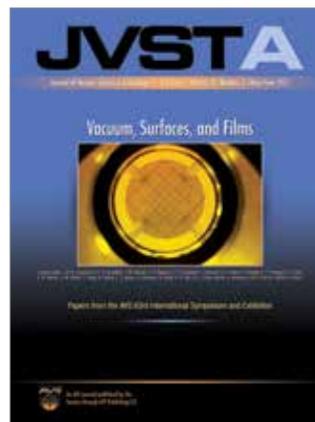
2019: Volume 63, 6 issues

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E-ISSN: 1520-8516

sor.scitation.org/journal/jor

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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; vacuum science and technology

Editor:

Eray S. Aydil
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Tandon School of Engineering
Brooklyn, NY, USA

Journal Impact Factor: 1.761*

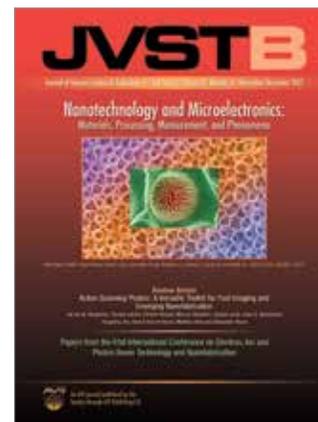
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Editor-in-Chief:

Eray S. Aydil
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Tandon School of Engineering
Brooklyn, NY, USA

Journal Impact Factor: 1.314*

2019: Volume 37, 6 issues

ISSN: 2166-2746

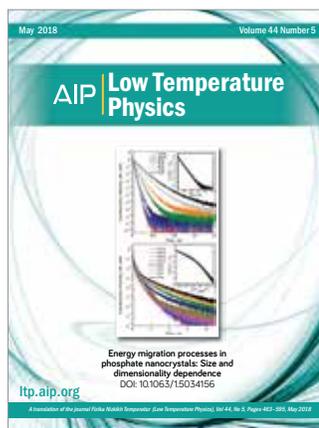
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Editor:**Sergey L. Gnatchenko**

B. Verkin Institute for Low Temperature Physics & Engineering, National Academy of Sciences of Ukraine
Kharkov, Ukraine

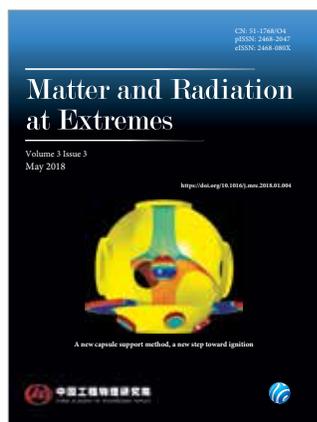
Journal Impact Factor: 0.86*

2019: Volume 45, 12 issues

ISSN: 1063-777X

E-ISSN: 1090-6517

aip.scitation.org/journal/ltp



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China Academy of Engineering Physics,
China

Mike Campbell

University of Rochester, USA

Executive Editor-in-Chief:**Ke Lan**

Institute of Applied Physics and Computational Mathematics, China

2019: Volume 4, 6 issues

E-ISSN: 2468-080X

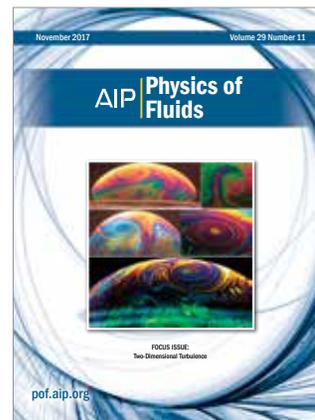
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Editor-in-Chief:**A. Jeffrey Giacomin**

Queen's University
Kingston, Ontario, Canada

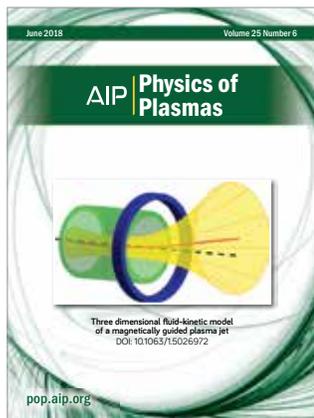
Journal Impact Factor: 2.279*

2019: Volume 31, 12 issues

ISSN: 1070-6631

E-ISSN: 1089-7666

aip.scitation.org/journal/phf



Physics of Plasmas, published by AIP Publishing in cooperation with the APS Division of Plasma Physics, is committed to the publication of original research in all areas of experimental 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:

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Editor-in-Chief:

Michael E. Mauel
Columbia University
New York, NY, USA

Journal Impact Factor: 1.941*

2019: Volume 26, 12 issues
ISSN: 1070-664X
E-ISSN: 1089-7674
aip.scitation.org/journal/php



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Entire range of physics and physics-related sciences

Editor-in-Chief:

Charles Day
American Institute of Physics
College Park, MD, USA
Published by the American
Institute of Physics
College Park, MD, USA

Journal Impact Factor: 4.37*

2019: Volume 72, 12 issues
ISSN: 0031-9228
physicstoday.scitation.org/journal/pto

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Coverage:

Optics, atoms and molecules, spectroscopy, photon detectors; particle sources, optics and acceleration, particle detectors; nuclear physics, fusion, and plasmas; microscopy and imaging; condensed matter and materials; chemistry; biology and medicine; gravity, geophysics, astronomy, and astrophysics; electronics, electromagnetic technology and microwaves; thermometry, thermal diffusivity and acoustics; sensors and actuators/MEMS/NEMS; general instruments

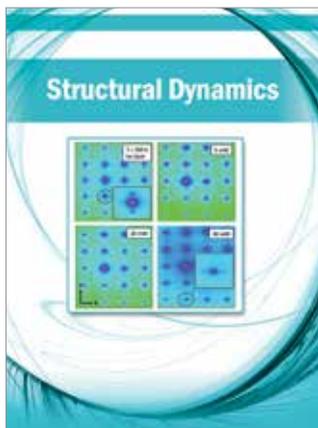
Editor-in-Chief:

Richard C. Pardo
Argonne National Laboratory
Argonne, IL, USA

Journal Impact Factor: 1.428*

2019: Volume 90, 12 issues
ISSN: 0034-6748
E-ISSN: 1089-7623
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Publications



Structural Dynamics is a peer-reviewed, Open Access journal highlighting research articles on structural determination and dynamics of chemical and biological systems and solid materials, enabled by the emerging new instruments (e.g. XFELs, high harmonic generation, electron sources, etc.) and new experimental and theoretical methodologies. *Structural Dynamics* has frequent special topic issues for example: papers from the Hamburg Conference on Femtochemistry, Transactions from the 66th Annual meeting of the American Crystallographic Association, and Ultrafast Structural Dynamics – a Tribute to Ahmed H. Zewail.

Coverage:

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Editor-in-Chief:**Majed Chergui**

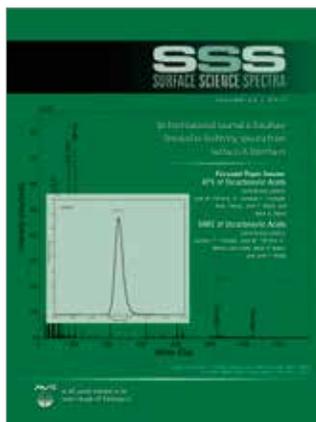
Ecole Polytechnique
Fédérale de Lausanne
Lausanne, Switzerland

Journal Impact Factor: 3.969*

2019: Volume 6, 6 issues
(online only)

E-ISSN: 2329-7778

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Editors:**James E. Castle**

University of Surrey
Guildford, UK

Richard T. Haasch

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Champaign, Urbana, IL, USA

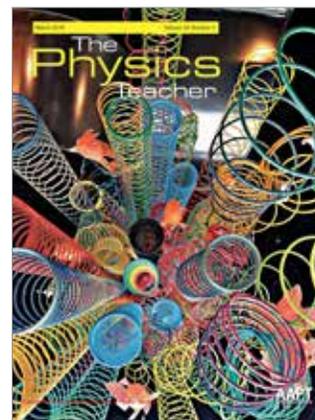
Indexed in Web of Science;**Journal Impact Factor forthcoming**

2019: Volume 26, 2 issue

ISSN: 1055-5269

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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**

George Washington University
Washington, DC, USA

Journal Impact Factor: 0.621*

2019: Volume 57, 9 issues

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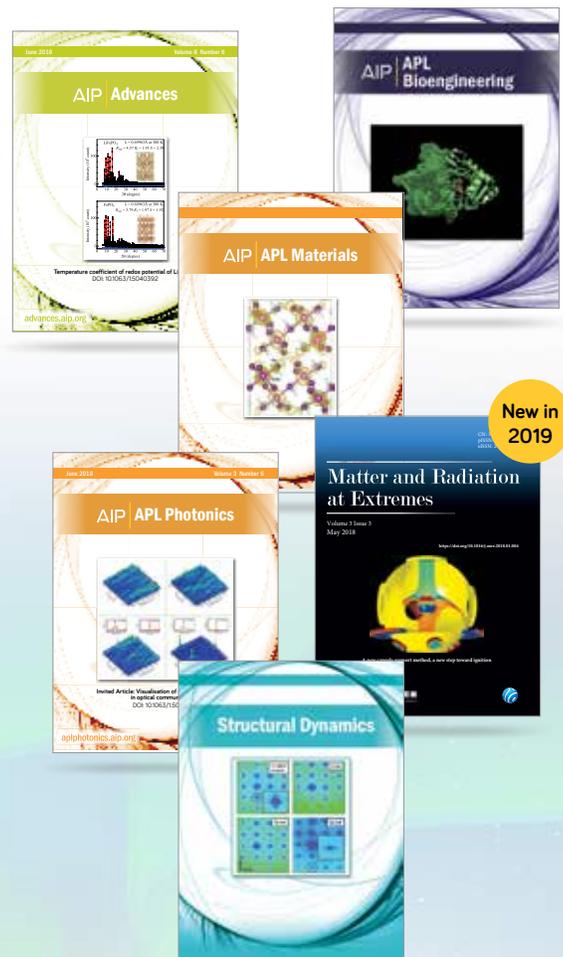
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GradSchoolShopper.com

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InsideScience.org

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2018 Society of Physics Students Summer Interns.

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aip.org/history-programs/niels-bohr-library

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Wenner Collection Arrives at AIP

On May 24, 2018, the Wenner Collection of rare books and manuscripts arrived at the Niels Bohr Library & Archives. This collection consists of over **3,800** volumes that were curated over the past 25 years by David Wenner, highlighting important discoveries in the physical sciences.

Explore more about the rare collection by visiting: <https://www.aip.org/physics-heritage-and-promise>.

To learn about the books' arrival and to watch a video on the plans for activating the collection, visit aip.org/physics-heritage-and-promise.



A section of the Wenner collection that relates to Newton's *Principia*, including four editions of the *Principia*, as well as the most important works written to explain Newton's concepts to general audiences.



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