

2016 Annual Report

Scholarly Publishing

Fueling Discovery & Bridging Fields

AIP

American Institute of Physics

From the AIP Publishing CEO

AIP Publishing supports the charitable, scientific and educational mission of the American Institute of Physics (AIP) through scholarly publishing activities in the fields of the physical sciences. As a nonprofit publisher, we do this best through the publication and dissemination of the highest quality peer-reviewed scientific research via our own journals and those of our publishing partners. AIP Publishing is honored to be the publisher of choice for six of AIP's Member Societies—AAPM, AAPT, ACA, ASA, SOR and AVS—and two Publishing Partners, the Chinese Physical Society and the Laser Institute of America.



John Haynes

In 2016, to strengthen our commitment to this mission, we made significant investments in our infrastructure and staff to better serve our community of authors, reviewers, readers, librarians, editorial boards and publishing partners. We introduced a new license-to-publish across all our subscription journals, allowing authors to retain copyright. Improvements to our article submission systems and peer review processes have reduced time to publication and made it easier for authors to track the status of their manuscripts. In addition, the new Scitation provides a more robust platform for discovery of research results and opportunities for future collaboration.

Although each of these accomplishments provides immediate benefits to our partners and supports our near-term growth, they are all part of the foundation for our long-term success.

(continued on back inside cover)

Emerging Research



“Solutions for human illness and disease are needed now. The field of bioengineering, a collaborative effort between physicists, engineers, chemists and life scientists, aims to develop the tools that are needed to understand essential human biology as well as treat the diseases that plague our world. AIP Publishing is delighted to announce the launch of APL Bioengineering, a new open access journal whose mission is to highlight these discoveries and make them openly available to everyone, everywhere they need them.”

— Jason Wilde
Chief Publishing Officer
AIP Publishing

Extending Access

AIP Publishing is committed to supporting open science, enabling discoverability, reuse and accessibility to research and scientific data within the published article. Our organization continues to work in tandem with representatives from the library and research communities as well as funding agencies to develop sustainable solutions for public access to government-funded research.

AIP Publishing introduced a progressive licensing agreement where authors retain copyright of their articles when publishing in our subscription journals. AIP Publishing remains committed to ensuring that authors can publish in its open access journals regardless of their economic status and offers a waiver policy for authors based in specific countries.

In 2016...

AIP Publishing experienced tremendous growth in open access publishing with a

40% increase in the number of articles published in the flagship multidisciplinary open access journal AIP Advances.

Quality, Peer-Reviewed Research

“JCP is the journal where many of the seminal papers in my field are published. The JCP copyright transfer agreement is much less restrictive than that of other journals in the field, and it's easy to comply with the open access guidelines of my funding body when publishing in JCP.”

– The Journal of Chemical Physics (JCP) author, Germany

Exploring Data

AIP Publishing is exploring ways to address the data accessibility needs of researchers. A new pilot project in the journal *Physics of Plasmas* aims to link data objects underlying tables and figures in published literature using **Zenodo**, a database created by **CERN** and the **OpenAIRE** project to increase access to valuable scientific data through effective citation of author-created datasets in permanent repositories.

A New Platform for Discovery

Already home to some of the most influential journals in the physical and applied sciences, AIP Publishing's Scitation website successfully transitioned to Atypon's Literatum platform in December 2016. The new platform now delivers a best-in-class reading experience whether content is accessed from computer, tablet or phone. New features and performance upgrades can now be delivered without interrupting service or requiring our customers to make any changes. Some of the new features include:

For readers

- » Faster, deeper access to articles, research and supporting materials
- » Editors' recommendations from across our journals
- » An enhanced figure viewer for exploring visual content
- » Dedicated collaboration and social sharing tools

For librarians

- » Simpler and more efficient management of holdings
- » Remote access and usage reports
- » Accessible licenses, subscriptions and institution authentications via the Library Resource Center: <https://publishing.aip.org/librarians>

Global Connections

In 2016, More Than...

16,000

articles were published
in AIP Publishing and
partner journals

28,000

scientists served as
peer reviewers

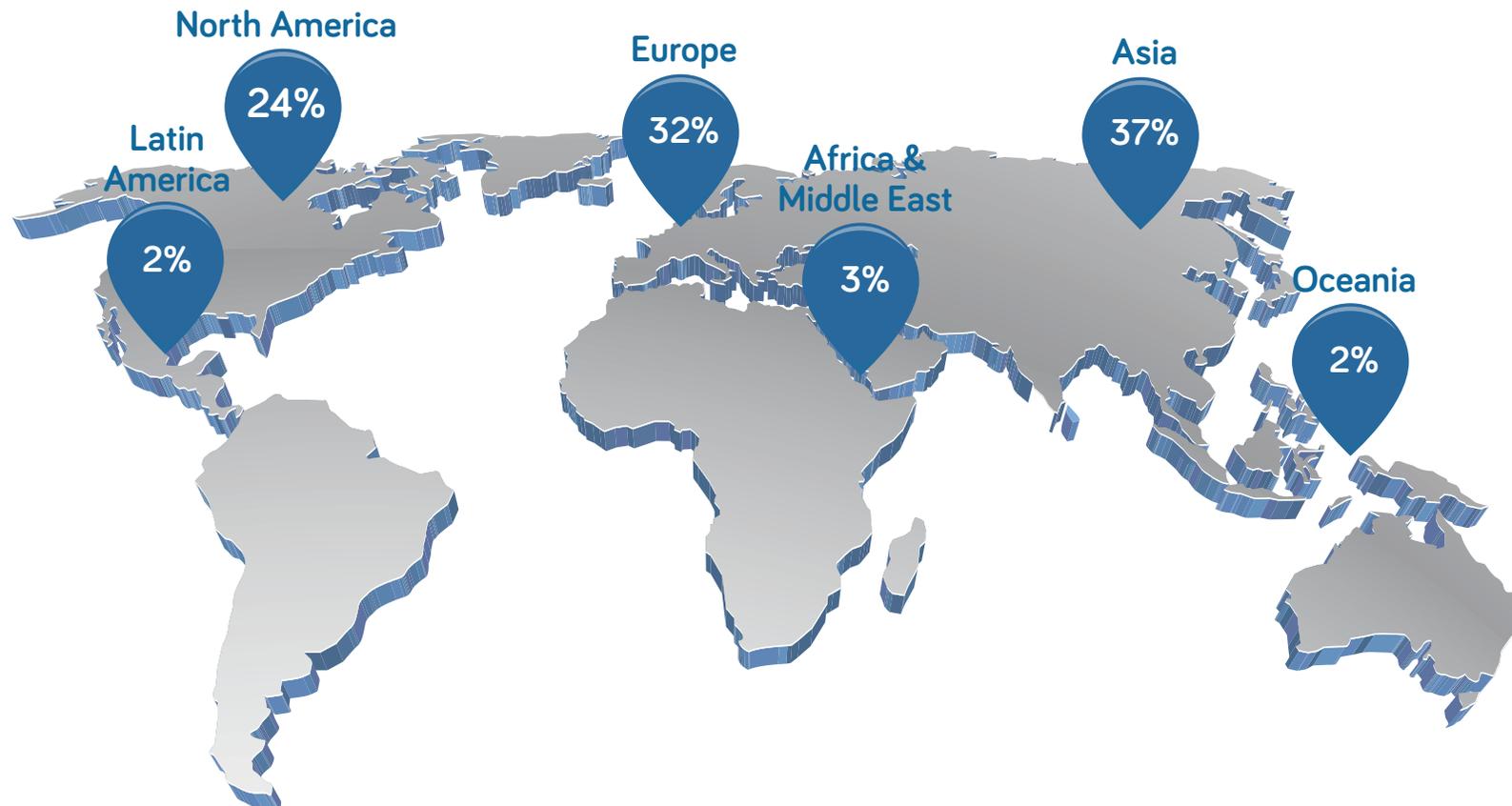
AIP Publishing Articles Were
Accessed From...

195 *countries*

4,000
institutions

23 *million times*

Articles Published Per Region



Accelerating Science

Speed to publication is increasingly important in all disciplines, and AIP Publishing has undertaken a series of strategic moves to reduce the time to publication for our peer-reviewed publications, with impressive results — an 11 percent improvement in time to publication across all journals.

Average Time to Publication for the *Journal of Applied Physics*...

139 days in 2012

105 days in 2015

24% improvement

30% faster than closest competitor



“Incredibly fast review time, very insightful and constructive review, and great communication with editors. Thank you for the great effort to make this one of the best experiences I've had in submitting a manuscript.”

– *Journal of Applied Physics* author, USA

A Reputation for Quality

In 2016, *Applied Physics Letters* and *Journal of Applied Physics* once again retained their positions as first and second in applied physics journals. *Applied Physics Reviews* received its inaugural Impact Factor, an impressive 14.310.

#1 and #2 journals in Applied Physics

374,000 total citations in Applied Physics

~25% of total citations out of 145 journals

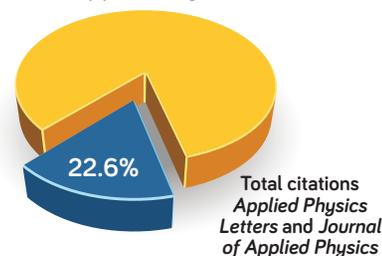
The Journal of Chemical Physics leads journals in Atomic, Molecular and Chemical Physics and is also the most highly cited journal in the Physical Chemistry category.

200,000 citations in Atomic, Molecular & Chemical Physics

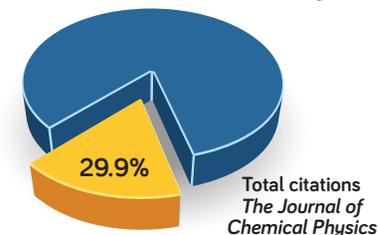
~One-third of total citations out of 35 journals

#1 journal out of 144 journals in Physical Chemistry

2016 Journal Citation Reports
Applied Physics



2016 Journal Citation Reports
Atomic, Molecular & Chemical Physics



Forging Partnerships

Representing the spectrum of the physical sciences, our publishing partners are the backbone of AIP Publishing. We share a mission to advance scientific discovery through the publication and dissemination of the highest quality peer-reviewed scientific research. Our strategic leadership, publishing operations, and sales and marketing support are customized to meet the unique needs of each partner.

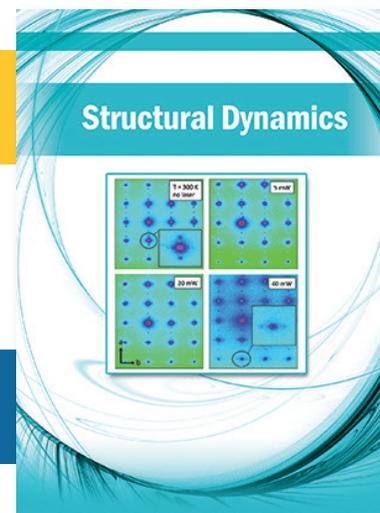
“The editors are serious, responsible, and work efficiently. The reviewers’ comments are to the point and professional.”

– Review of *Scientific Instruments*
author, People’s Republic of China



2016 Publishing Highlights

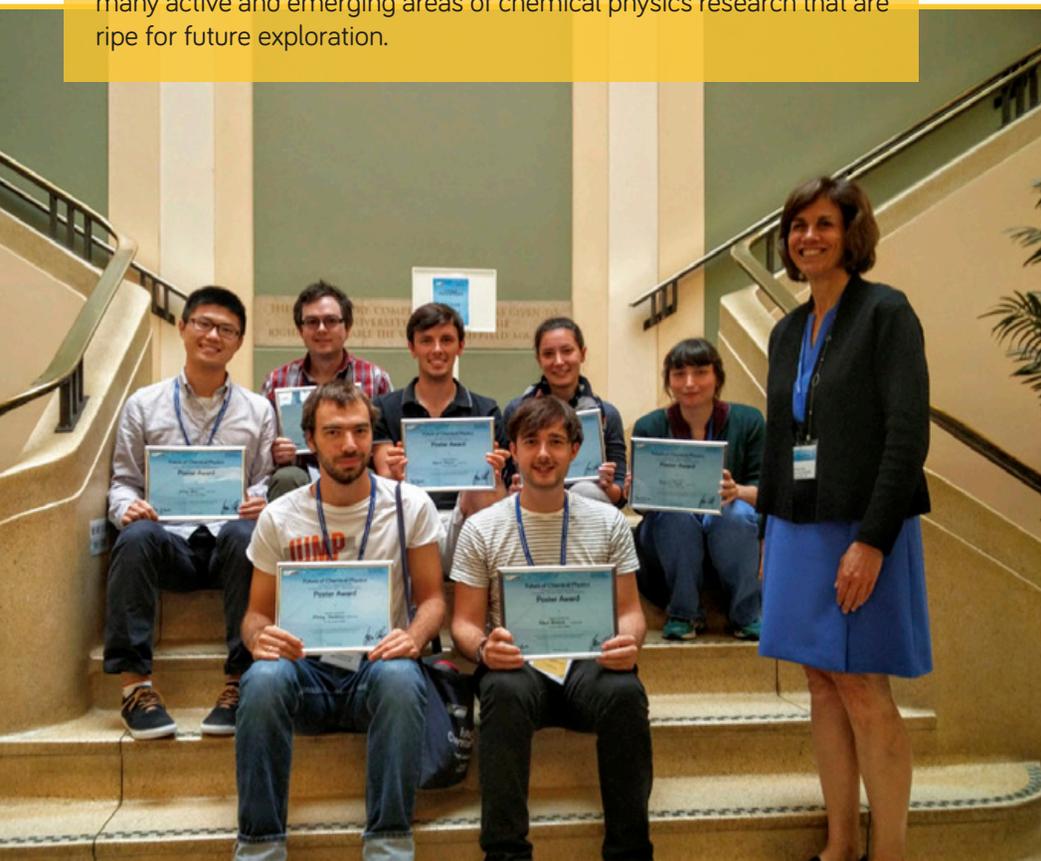
- » Developed and instituted Publication Summit Meetings to engage with society leadership and encourage strategic development of Member Society publications.
- » Marketing campaigns highlighting society journal content increased full-text downloads 11% compared to the previous year.
- » Conducted audits of the Peer X-Press manuscript submission system to automate workflows, reduce publication times and improve overall manuscript processing efficiencies.
- » The AIP Publishing Board of Managers established the Publishing Partnerships Committee (PPC) Development Fund. This fund empowers the committee to award grants up to a combined annual value of \$50,000 for activities related to publishing, in support of the publishing activities of the Member Societies.



Structural Dynamics (an open access journal co-published with the American Crystallographic Association) received its first **Impact Factor of 3.667**.

Expanding Horizons

Networking, exploring collaborations and pondering where the field is headed in the next 10–20 years were the topics of the second AIP Publishing Horizons conference, *Future of Chemical Physics*, hosted by *The Journal of Chemical Physics*. The program brought more than 120 researchers from across the globe to St. Edmund Hall, University of Oxford, and provided early career researchers with an outline of the most exciting recent developments in chemical physics, revealing many active and emerging areas of chemical physics research that are ripe for future exploration.



The poster prize winners with *The Journal of Chemical Physics* Editor-in-Chief Marsha Lester, at the University of Oxford. From left to right: Back row: Yixing Chen, Christopher Hall, Hamish Hiscock, Susannah Worster, and Rebecca Ingle. Front row: Nikolay Smolentsev, Robert Baldock, and Marsha I. Lester.

(continued from front inside cover)

The launches of *APL Photonics* in 2016 and *APL Bioengineering* scheduled for 2017 build on the success of *APL Materials* in extending the *Applied Physics Letters* brand into open access. Those moves, combined with the growth in the number of articles published in *AIP Advances*, provide researchers and their funders with greater choice in support of open access publishing.

The Future of Chemical Physics was the topic of our 2016 Horizon's conference — an event which serves to educate and motivate early career scientists by connecting them with prominent researchers in their fields. We are increasingly playing a leadership role in the physical science community and are well-positioned to find new ways to serve our audiences.

We've added our Member Society titles to the AIP Complete journal package to provide our institutional customers with more value for their money. AIP Publishing is proud of our mutually beneficial partnerships with our Member Societies and our joint commitment to inspire scientists worldwide. We thank you for your support and look forward to continuing to serve you.

John Haynes, PhD
CEO
AIP Publishing



John Haynes at a market on a recent trip to China.



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AIP Journal of Mathematical Physics

AIP Journal of Physical and Chemical Reference Data

AIP Journal of Applied Physics

AIP Review of Scientific Instruments