

# APS Journals

## Unit Convocation

February 22, 2013

Gene D. Sprouse

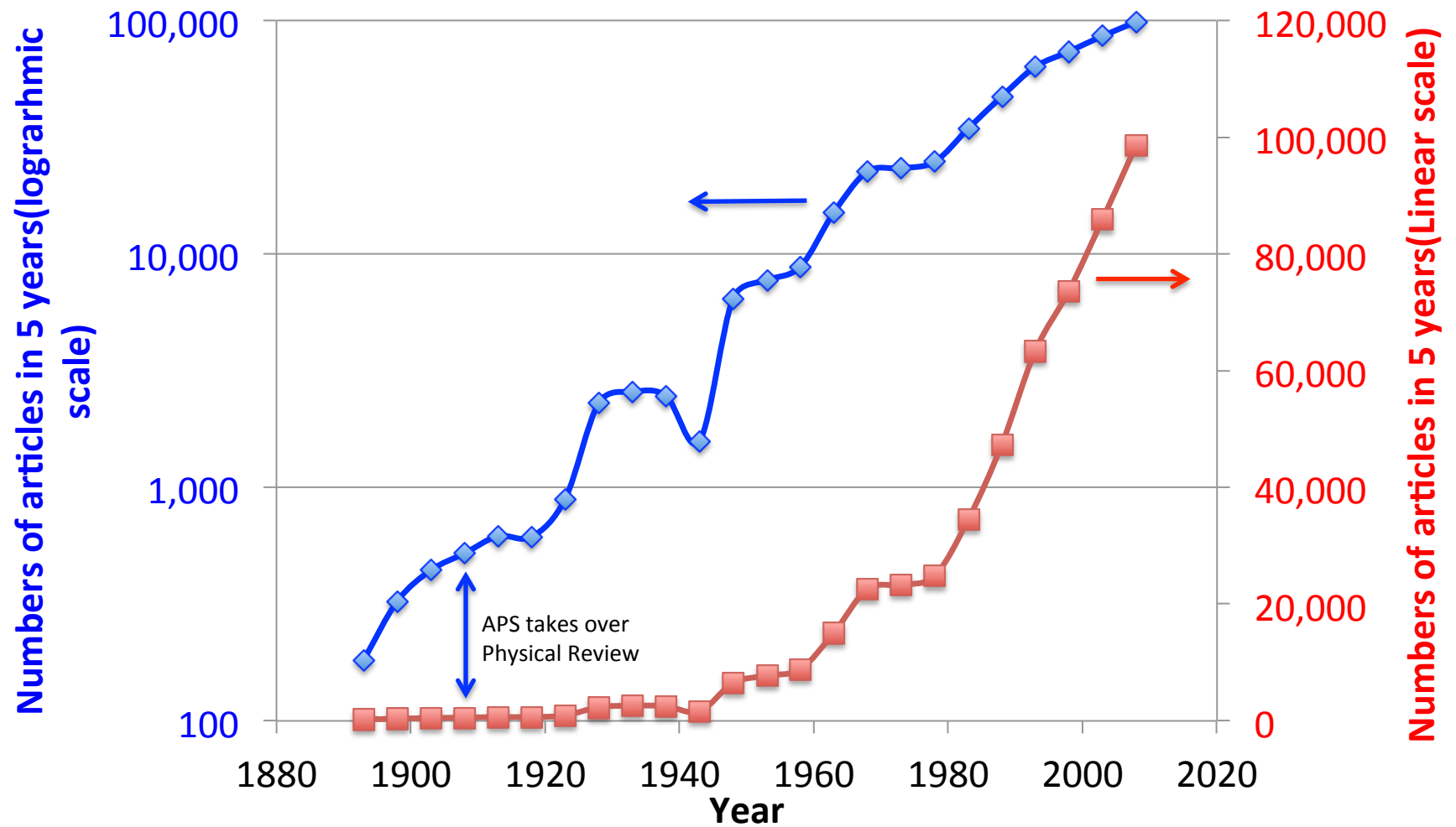
Editor in Chief, APS



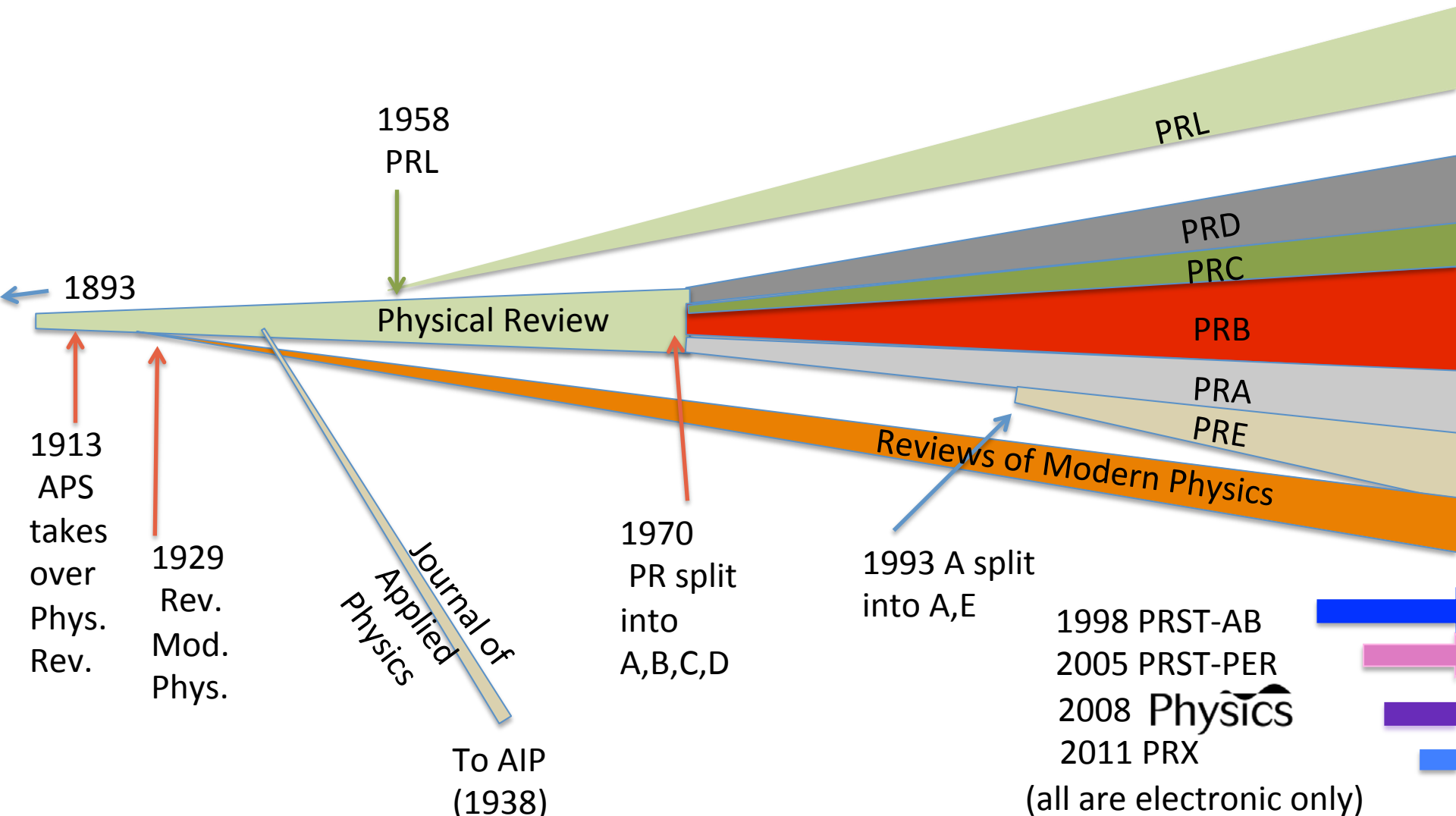
# APS JOURNALS

- APS Journals are growing

## Numbers of published articles in APS Journals in 5 year periods



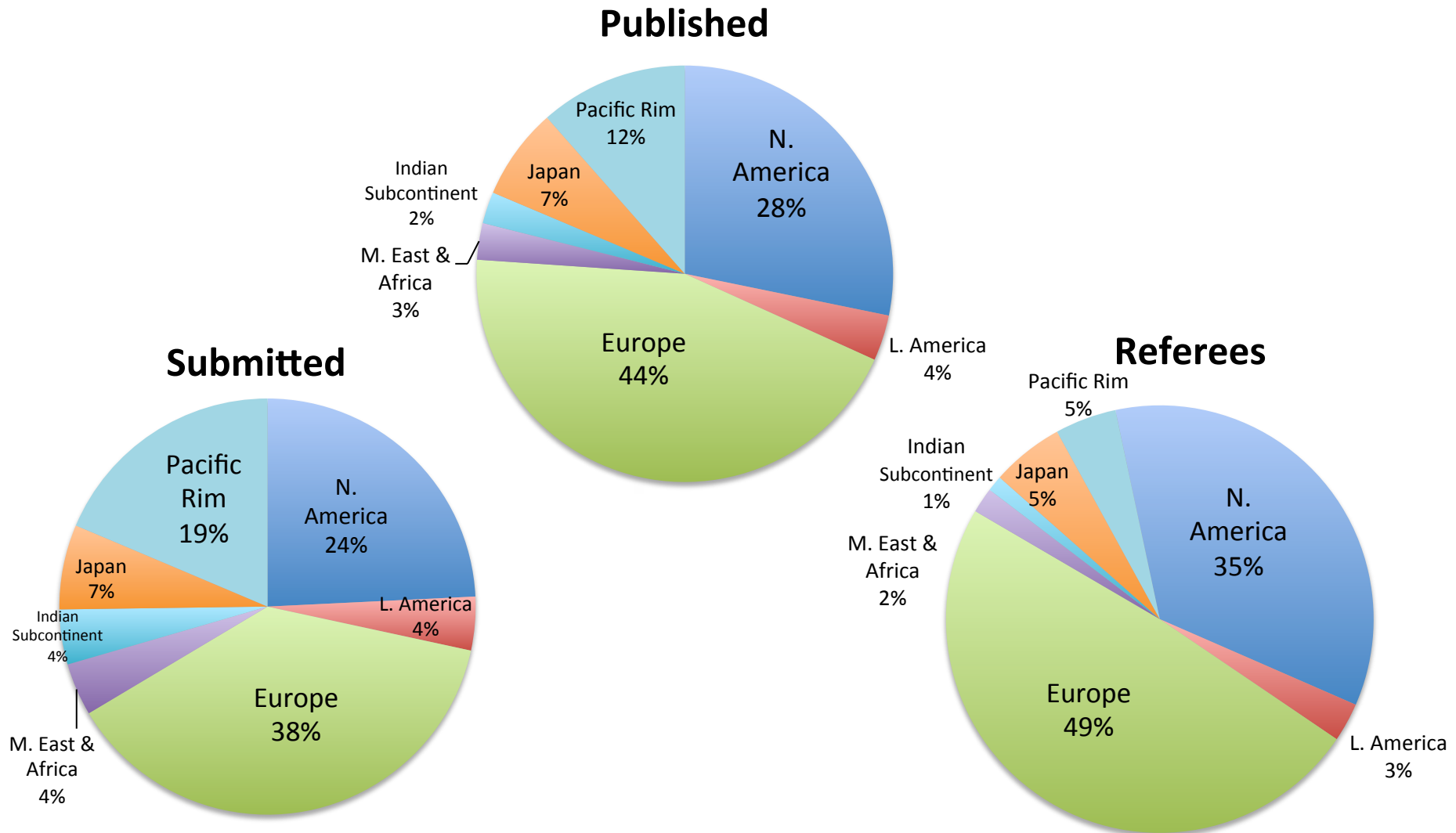
Physical Review has grown and split into a total of 10 journals, that are now the premier portfolio of physics journals in the world.



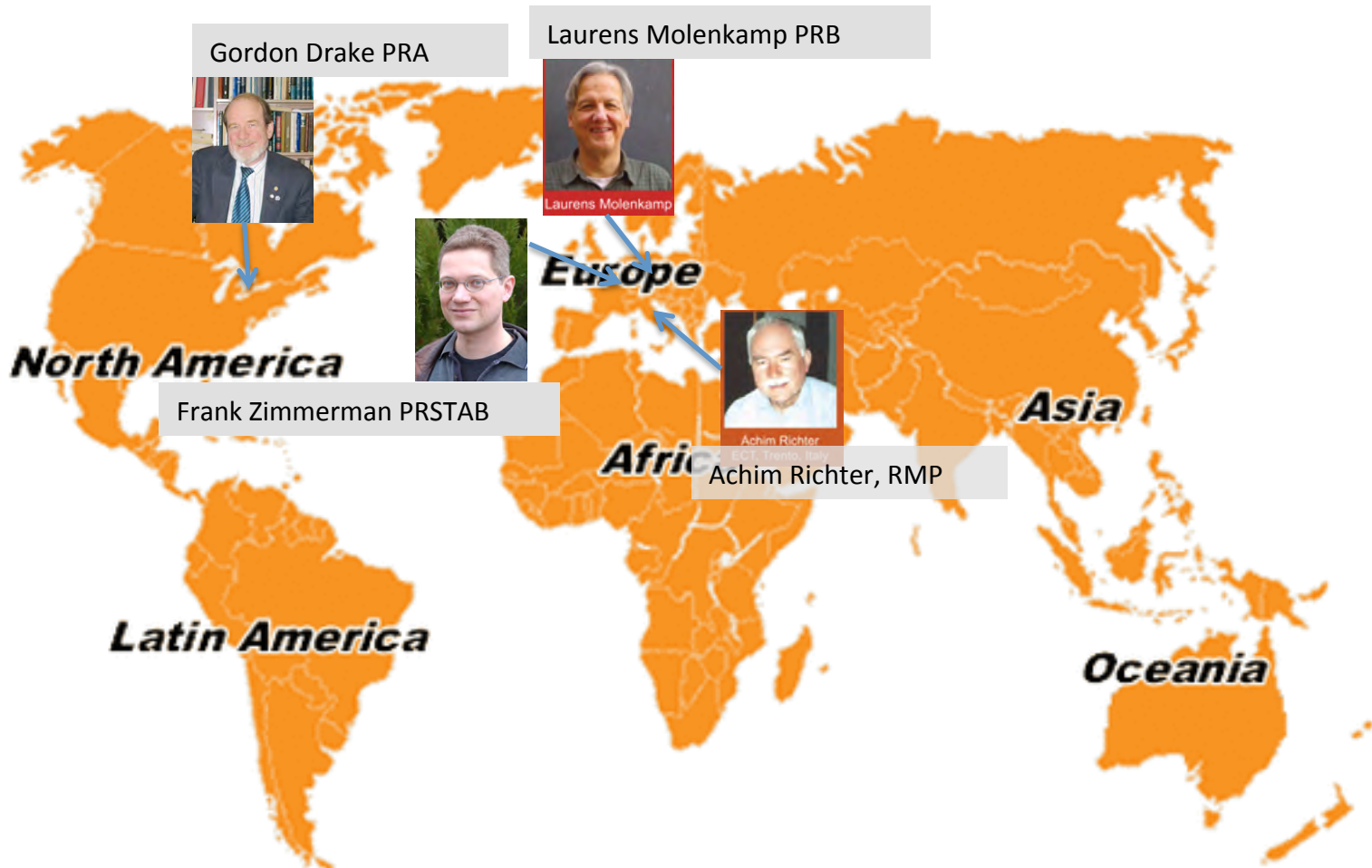
# APS JOURNALS

- APS Journals are growing
- APS Journals are international

# Geographical distribution of 2011 APS Journal articles: submitted, published, and referees used



# Four Senior Editors are outside of the US



# APS JOURNALS

- APS Journals are growing
- APS Journals are international
- APS Journals are cost effective



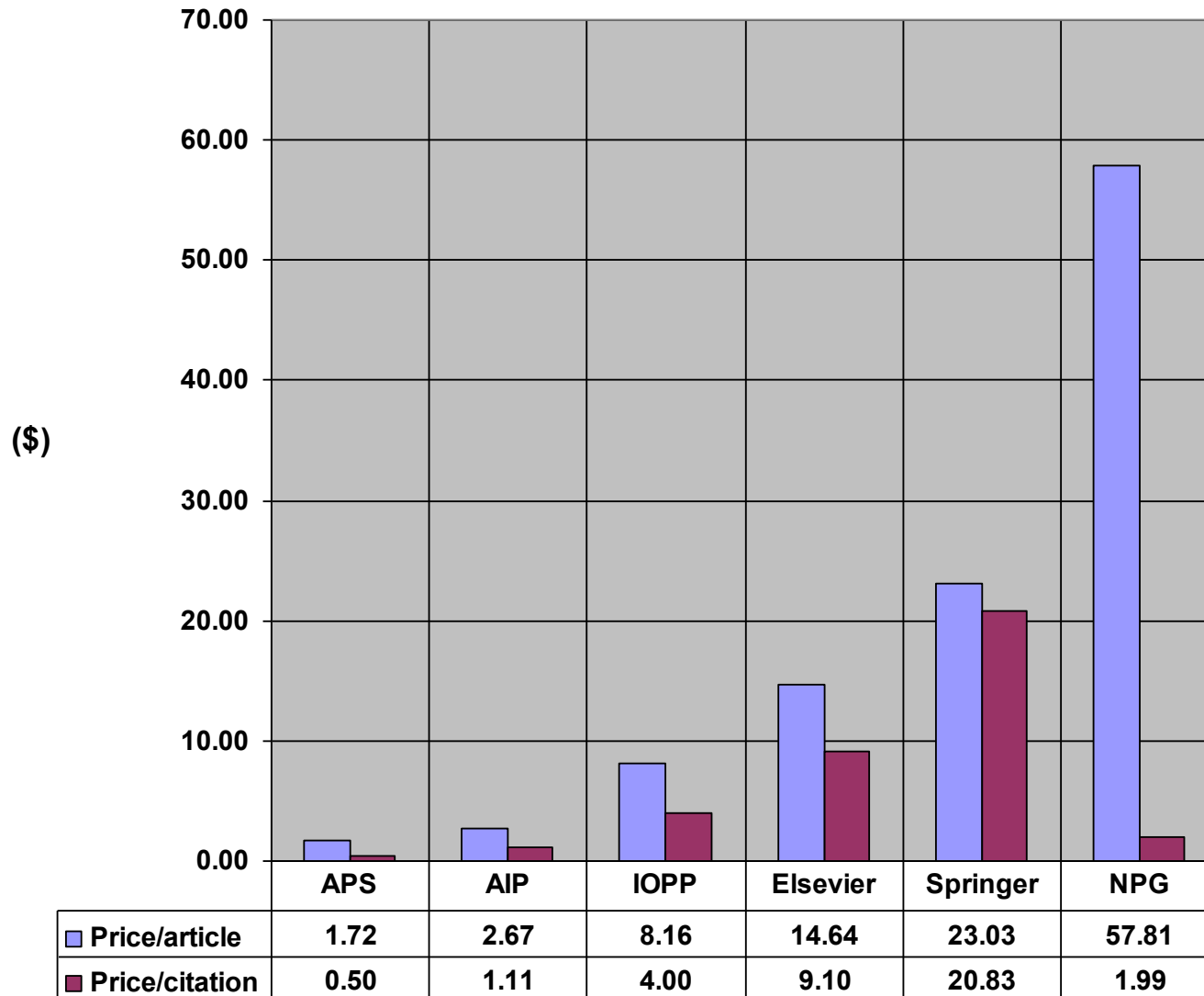
# APS publications have yearly expenses of ~\$30M!!

- 50 full time professional editors(with PhD's) + 100 support staff to manage peer review+ 50 remote editors
- Copy editing
- Conversion to archival XML, which can be repurposed for other applications
- Composition
- Hosting
- Preserving the content for future generations

**APS is not-for-profit, but we are also not-for-loss!**

# Subscription Price/article & Subscription Price/citation 2011

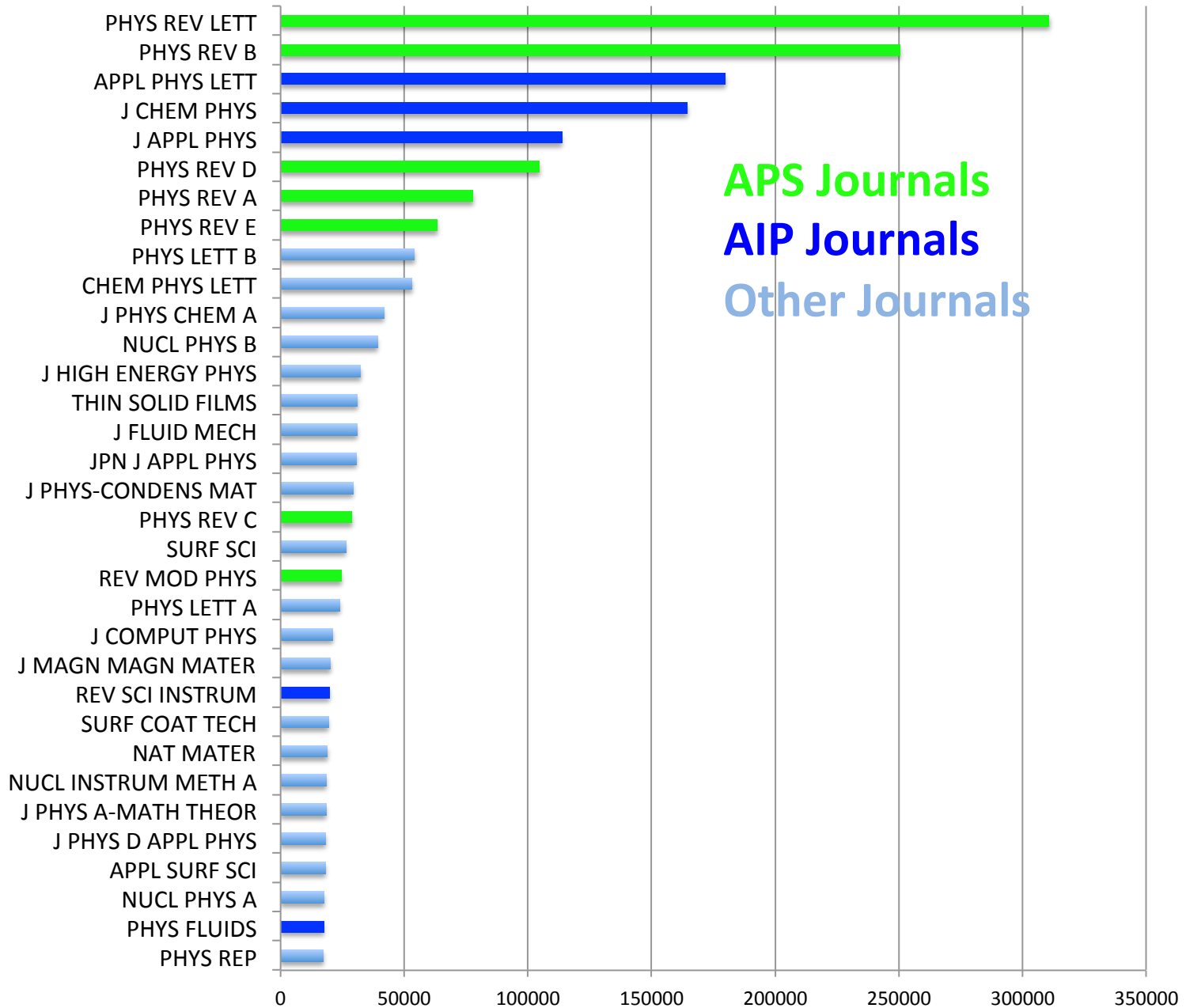
(source: derived from 'physics' journals in  
<http://www.journalprices.com/>)



# APS JOURNALS

- APS Journals are growing
- APS Journals are international
- APS Journals are cost effective
- APS Journals are highly cited

# Top Journals by Citations(2008)



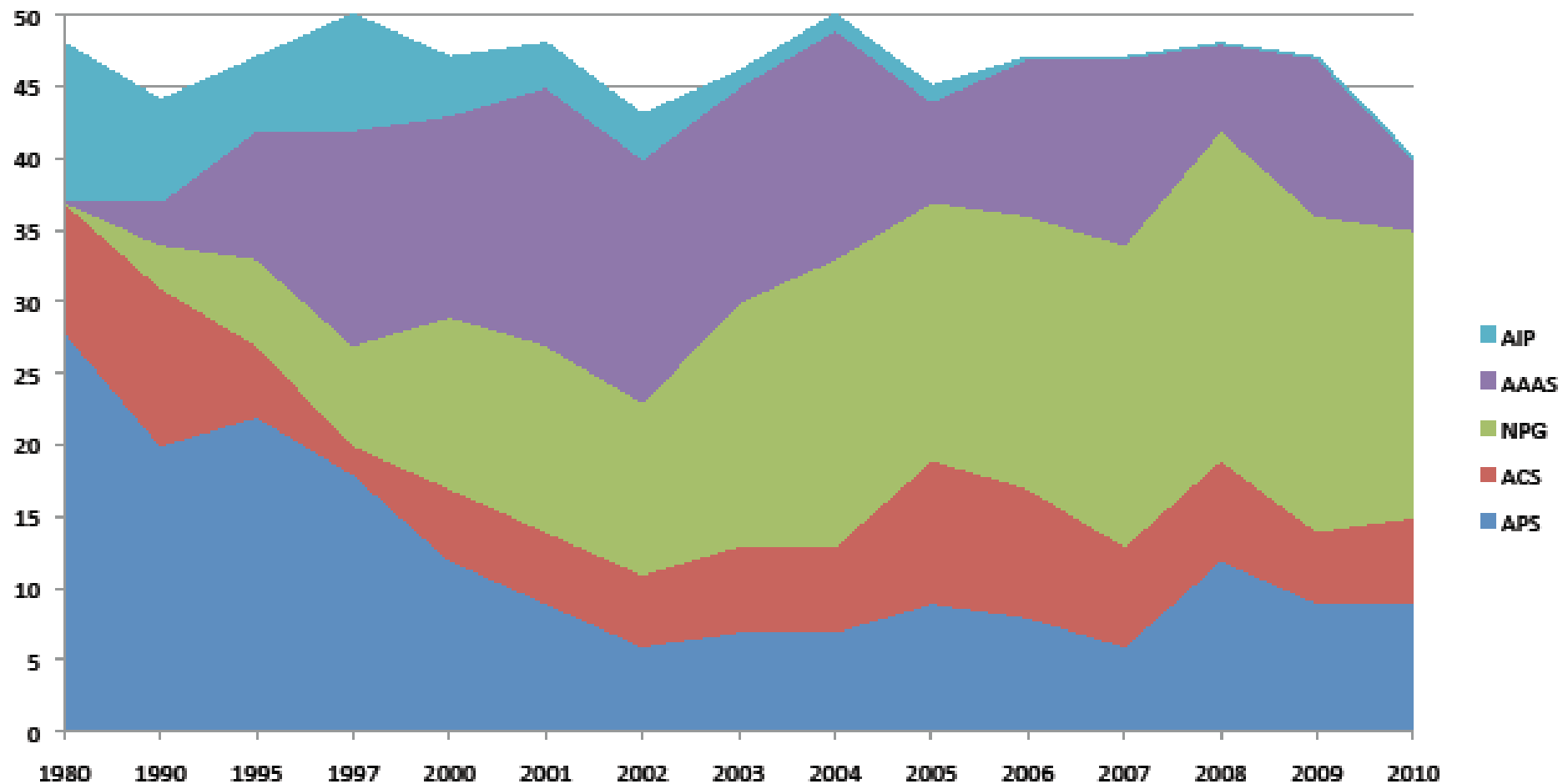
# APS JOURNALS

- APS Journals are growing
- APS Journals are international
- APS Journals are cost effective
- APS Journals are highly cited
- APS Journals have competition

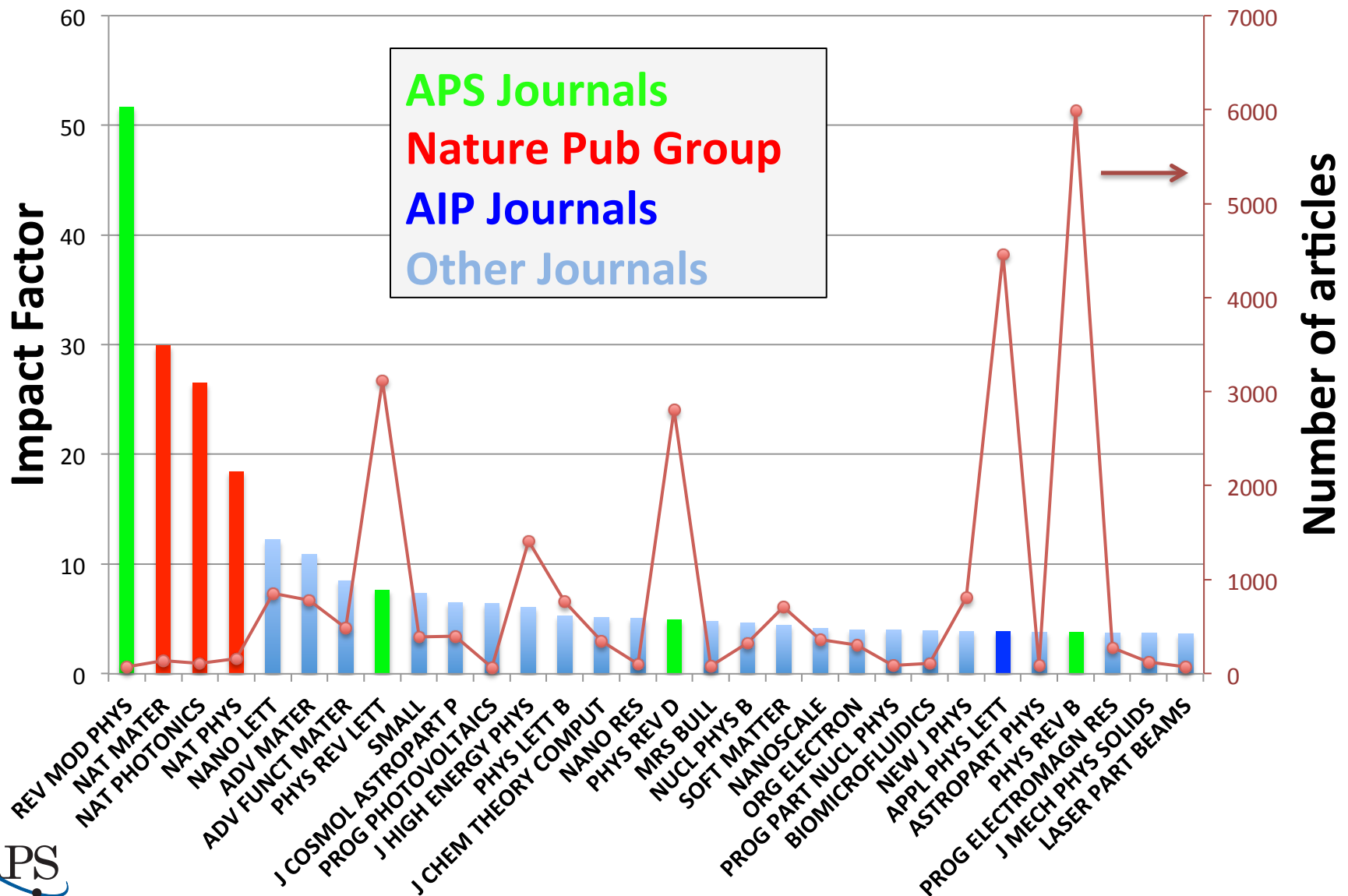
# By publisher

(Thanks to Manolis Antonoyiannakis)

**Top-50 cited in physics, by publisher**



# ISI 2010 Impact Factors for "Physics" category for journals >50 papers and number of articles on right axis



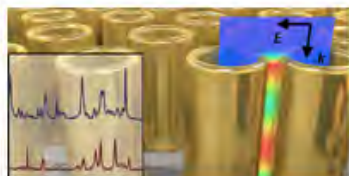
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- APS Journals have competition
- **APS supports Open Access**



## Physical Review X – January - March 2013

### Volume 3, Issue 1 (partial)



#### Surface-Enhanced Raman Scattering from Metallic Nanostructures: Bridging the Gap between the Near-Field and Far-Field Responses

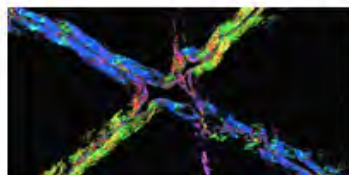
Matthew D. Doherty, Antony Murphy, Robert J. Pollard, and Paul Dawson

*Plasmonic light focusing exploits metallic nanostructures to route, concentrate, and manipulate light at nanometer length scales. A combined experimental and theoretical study of surface plasmon-polaritons localized in large-scale nanorod and nanotube arrays reveals new fundamental insights that should change the conventional wisdom about plasmonic light focusing.*

**Subject Areas:** [Nanophysics](#), [Optics](#)

Published 10 January 2013 (12 pages)

011001 [[View PDF](#) (6,065 kB)] | [Show Popular Summary](#) | [Show Abstract](#)



#### Probing Ordered Lipid Assemblies with Polarized Third-Harmonic-Generation Microscopy

Maxwell Zimmerley, Pierre Mahou, Delphine Débarre, Marie-Claire Schanne-Klein, and Emmanuel Beaurepaire

*A proof-of-principle experiment based on multi-scale theoretical modeling demonstrates the promise of polarization-sensitive third-harmonic-generation microscopy for imaging molecular order in biological tissues in situ.*

**Subject Areas:** [Biological Physics](#), [Interdisciplinary Physics](#), [Optics](#)

Published 14 January 2013 (16 pages)

011002 [[View PDF](#) (4,275 kB)] | [Show Popular Summary](#) | [Show Abstract](#)

# Introducing PR

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High Profile

Open Access

Commercial

Society

PRL

Nature Physics

Nature Materials

Nature Photonics

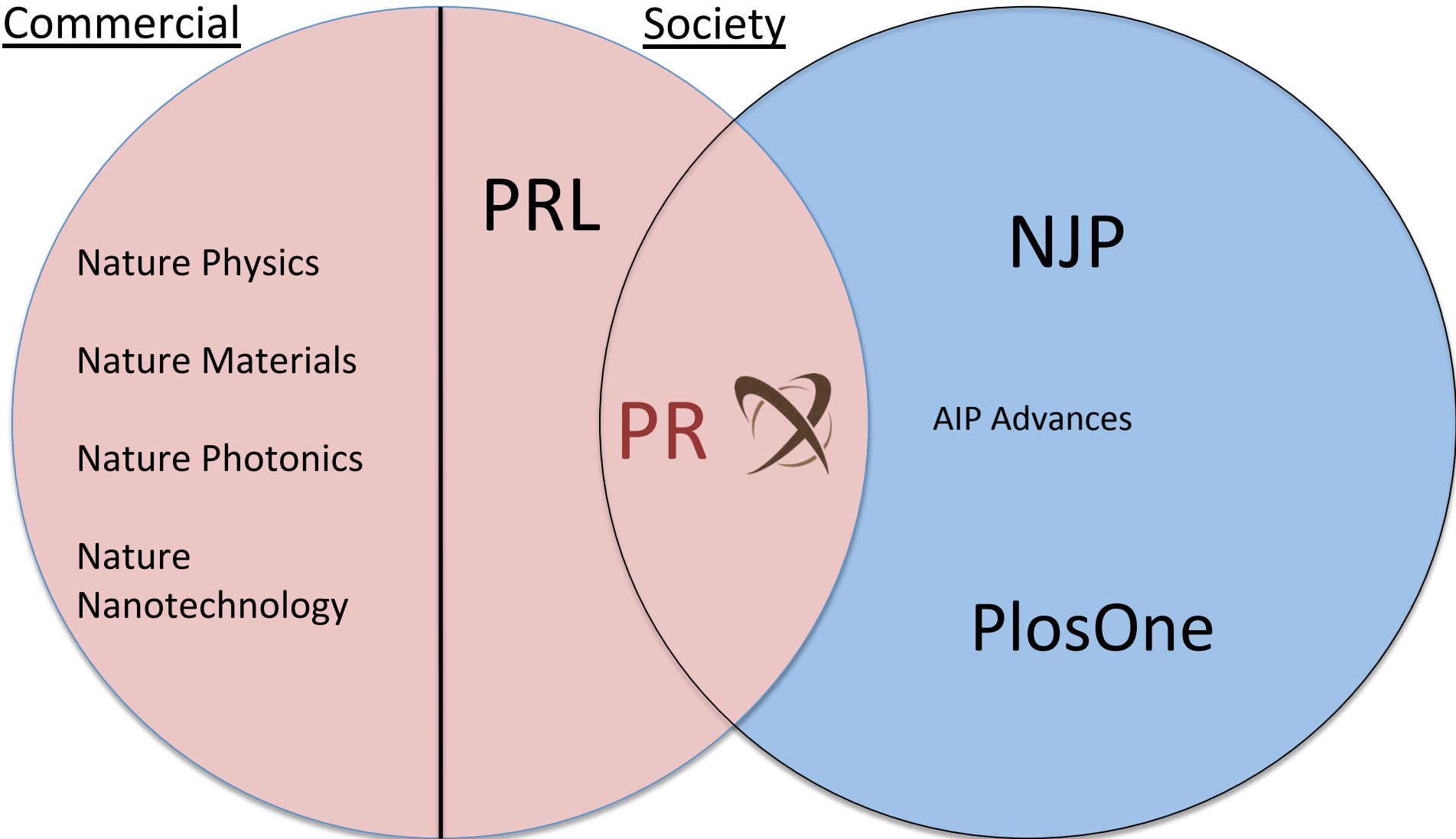
Nature  
Nanotechnology

PR 

NJP

AIP Advances

PlosOne



# Physical Review

2012 Submissions: 302

2012 Published: 70

Acceptance Rate: 23.5%

## PRX Testimonials from authors and referees

- "...The presentation of our work definitely improved by leaps and bounds as a result of the scrutiny and attention that it received through peer review."
- "...Dealing with PRX has been a very positive experience and we will make sure to each year select some of our best pieces of work to submit to your journal."
- "It is nice to have such feedback, as a reviewer, and unfortunately not many journals do this."

**Committed to Excellence**

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# Physical Review Letters

- **Jack Sandweiss** will be stepping down as Editor of PRL in July 2013. He has given distinguished leadership to the journal for 25 years. It continues to be the most highly cited physics journal, and a prime venue for communication of solid advances in physics to other physicists.
- Please give nominations to the search committee soon, and no later than May 1. The committee members:

<b>Ulrich Heinz, Ohio State Univ.(Chair)</b>	<b>Steve Girvin, Yale University</b>
<b>Laura Greene, Univ. Illinois</b>	<b>Peter Littlewood, Argonne Nat. Lab.</b>
<b>Detlef Lohse, Univ. of Twente, Belgium</b>	<b>James Nagle, Univ. of Colorado</b>
<b>John Thomas, N. C. State Univ.</b>	<b>Frank Wilczek, MIT</b>

# CHARGE TO PRL SEARCH COMMITTEE

- The Search Committee for an Editor for Physical Review Letters will seek to identify individuals with the qualities necessary to maintain the current excellence of PRL, to sustain and improve the peer review process, and to continue to guide the journal in the online environment.
- **The ideal candidate should possess many or all of the following qualifications:**
  - **Stature in a field of research within the scope of PRL and within the PRL author community;**
  - **Experience with scholarly journals;**
  - **Management and interpersonal skills to deal effectively with an international array of authors, referees, and editors and with the APS;**
  - **Judgment and wisdom to lead the journal in responding to important matters and issues.**

# Timetable for PRL Search

- **Late January:** Committee formed
- **Feb-April:** Committee meets by phone and email and recruits and discusses candidates
- **May 1:** nominal deadline for applications
- **Early May:** short list formed, candidates invited
- **June:** Interview candidates at Ridge, make recommendations to Editor in Chief
- **July:** negotiate with candidate and finalize.





The End