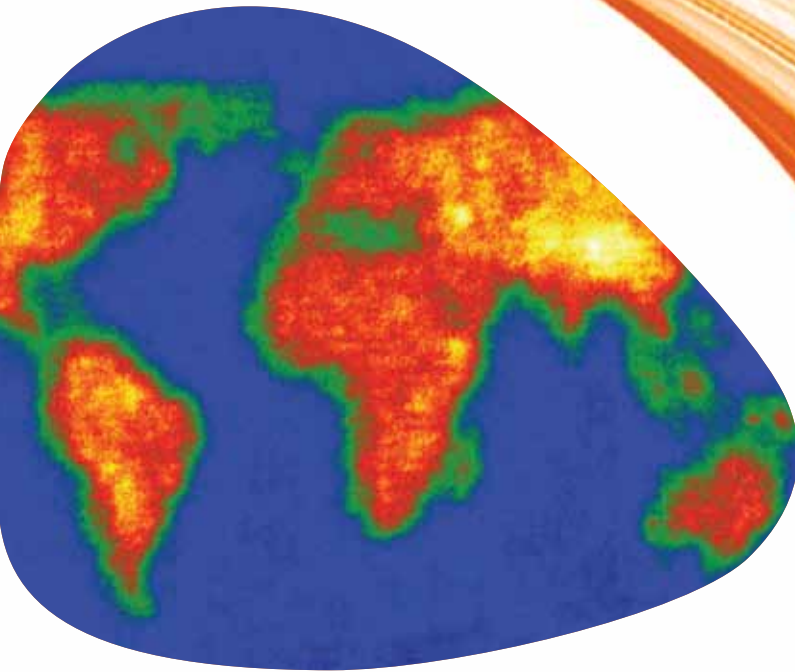


Submit your manuscript online at jap.peerx-press.org

AIP | Journal of Applied Physics

**The World's Most Comprehensive
Collection of Applied Physics Research**



jap.aip.org

Journal of Applied Physics **The Most Highly Cited Archival Journal in its Field**

In its latest analysis, Thomson Reuters recorded more than 100,000 citations of articles published in the **Journal of Applied Physics** – more than three times the number of the next ranked journal. After more than 75 years, JAP continues to push the boundaries of scientific research. The journal publishes groundbreaking articles that emphasize understanding of the physics underlying modern technology, including significant new experimental and theoretical results of research on semiconductors, magnetic materials, applied biophysics, and other fields.

2008 Journal Citation Data from Thomson Reuters*

Impact Factor = 2.201

EigenFactor Score = 0.34900

Immediacy Index = 0.391

Article Influence Score = 0.944

Cited Half-Life = 8.2

*Data from the 2008 Science Edition of Thomson Reuters' Journal Citation Reports®.

Applied Physics Reviews

This key component of JAP features articles varying in length from short, authoritative summaries to comprehensive, critical, monograph-length reviews of specific applications.

Proceedings of the Annual MMM Conference

Every year, **Journal of Applied Physics** brings you coverage of the Annual Conference on Magnetism and Magnetic Materials. The Conference brings together scientists and engineers interested in recent developments in all branches of fundamental and applied magnetism.

Special Topic Sections

These collections focus on research of particular current or emerging interest, for example:

- Applied Biophysics
- Plenary and Invited Papers from the 29th International Conference on the Physics of Semiconductors, Rio de Janeiro, Brazil, 2008
- Selected Papers from the 20th International Symposium on Integrated Ferroelectrics, Biopolis, Singapore, June 2008

Scanning microscopies

Surfaces, interfaces and thin films

Applied biophysics

Semiconductors

Submit Your Research at jap.peerx-press.org to Take Advantage of:

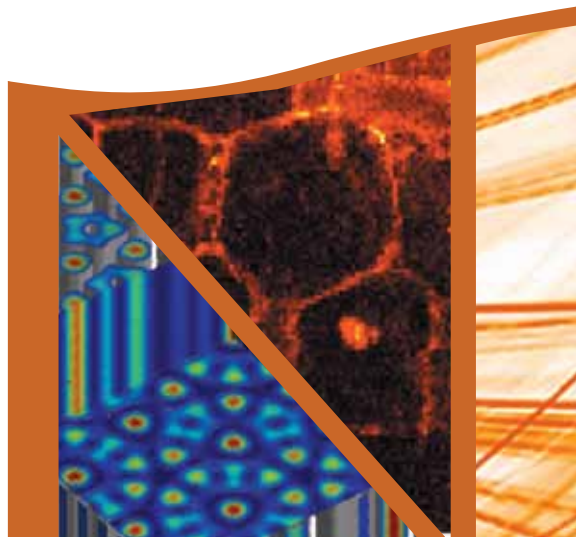
- Timely review and prompt publication
- Broad dissemination via worldwide online and print distribution networks
- High visibility for your work
 - Research Highlights—chosen by the editors and made freely available to spotlight some of the most interesting papers
 - Top 20 most downloaded—featuring the most popular papers that month online

Get Easy Access to Valuable Online Features Directly from the Article Abstract Page

- **New!** Related article browser
- **New!** Article outline and figure thumbnail browser
- Add Scitation to the search engines in your web browser
- View and link to citing articles
- **New!** Share articles on delicious, Twitter, and other social networking sites
- Access citation data, including BibTex, COinS, EndNote®, Medline, Plain Text, and RefWorks®
- Link directly to supplementary and multimedia material

Superconductivity

Condensed matter



Optics, optical materials and lasers

Plasmas and gas discharges

New to JAP in 2009!

JAP Articles Now Include Multimedia

Video clips or animated movies can be included in the online versions of papers. Information for authors on incorporating multimedia material into their papers is available in the “Information for Contributors” posted on the journal’s website at jap.aip.org/jap/authors/information_for_contributors.

Non-Latin Character Sets Available for Author Names

Chinese, Japanese, and Korean authors may choose to have their names published in their own language alongside the English versions of their names in the author list of their publications. Specific guidelines for manuscript preparation are given at aip.org/pubservs/cjk_instructions.html.

Defects in crystals

Electrical, optical, and magnetic devices

Nanoscale science and design



Expert Editorial Guidance

As the Editor of **Journal of Applied Physics**, Dr. P. James Viccaro has guided the publication to its current position as the world's preeminent journal in applied physics. Dr. Viccaro is aided by Associate Editors and an Editorial Board whose combined expertise facilitates authoritative handling of papers across the breadth of the journal.

EDITOR

P. James Viccaro

*The University of Chicago
Chicago, IL*

ASSOCIATE EDITORS

Roy Benedek

*Argonne National Laboratory
Argonne, IL*

Robert C. Birtcher

*Argonne National Laboratory
Argonne, IL*

Gian P. Felcher

*Argonne National Laboratory
Argonne, IL*

Marcos H. Grimsditch

*Argonne National Laboratory
Argonne, IL*

Axel Hoffmann

*Argonne National Laboratory
Argonne, IL*

Andreas Mandelis

*University of Toronto
Toronto, Canada*

Simon R. Phillpot

*University of Florida
Gainesville, FL*

EDITORS

APPLIED PHYSICS REVIEWS

John M. Poate

*Colorado School of Mines
Golden, CO*

Bill R. Appleton

*University of Florida
Gainesville, FL*

EDITORIAL BOARD

JOURNAL OF APPLIED PHYSICS

André Anders

*Lawrence Berkeley National
Laboratory, Berkeley, CA*

Pallab K. Bhattacharya

*University of Michigan
Ann Arbor, MI*

Dongmin Chen

*Beijing National Laboratory for
Condensed Matter Physics
Beijing, People's Republic
of China*

Michael Dudley

*Stony Brook University
Stony Brook, NY*

Robert J. Nemanich

*Arizona State University
Tempe, AZ*

Martha Pardavi-Horvath

*George Washington University
Washington, DC*

John A. Rogers

*University of Illinois
Urbana, IL*

Victor Ryzhii

*University of Aizu
Aizu-Wakamatsu, Japan*

Caroline A. Ross

*Massachusetts Institute
of Technology
Cambridge, MA*

Nava Setter

*Ecole Polytechnique
Fédérale de Lausanne
Lausanne, Switzerland*

Zhong-Lin Wang

*Georgia Institute of Technology
Atlanta, GA*

Andrew T. S. Wee

*National University
of Singapore
Singapore*

EDITORIAL BOARD

APPLIED PHYSICS REVIEWS

John E. E. Baglin

*IBM Almaden Research Center
San Jose, CA*

Tomás Díaz de la Rubia

*Lawrence Livermore
National Laboratory
Livermore, CA*

Eugene E. Haller

*University of California
Berkeley, CA*

Hiroshi Ishiwara

*Tokyo Institute of Technology
Yokohama, Japan*

Chennupati Jagadish

*Australian National University
Canberra, Australia*

Stephen J. Pearton

*University of Florida
Gainesville, FL*

Emanuele Rimini

*Universita di Catania
Catania, Italy*

Bernd Stritzker

*Universität Augsburg
Augsburg, Germany*

JAP Editorial Office

Argonne National Laboratory
Building 203, Room A-106
9700 South Cass Avenue
Argonne, IL 60439, USA
Tel: 630-252-8700
Fax: 630-252-8711
E-mail: jap@anl.gov

American Institute of Physics

Suite 1N01
2 Huntington Quadrangle
Melville, NY 11747-4502, USA
Tel: 800-344-6902 or
516-576-2270
E-Mail: subs@aip.org