

The AIP Publishing Portfolio & Navigating Scitation.org AIP出版社产品和浏览Scitation.org

Randy Kiefer
Senior Sales Manager

About AIP Publishing & Access Options

关于AIP出版社和 访问选项

AIP Publishing disseminates some of the latest developments in the physical sciences on behalf of the American Institute of Physics, which was founded in 1931. Content available at www.Scitation.org.

AIP出版社代表美国物理联合会（AIP）传播物理科学的最新进展。AIP创建于1931年。AIP出版社的内容载于www.Scitation.org。

AIP Scitation AIP China

AIP Publishing

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Global research. Global reach. World-class results.

For more than 80 years, AIP Publishing has been a trusted source of research journals, conference proceedings, and essential information for physical scientists everywhere.

Breaking Research from AIP Publishing

Microscopic gate-modulation imaging of charge and field distribution in polycrystalline organic transistors
Journal of Applied Physics **123**, 135301 (2018)

Quantitative characterization of semiconductor structures with a scanning microwave microscope
Review of Scientific Instruments **89**, 023706 (2018)

Two-dimensional photonic crystal slab nanocavities on bulk single-crystal diamond
Appl. Phys. Lett. **112**, 141102 (2018)

Perspective: Size selected clusters for catalysis and electrochemistry
The Journal of Chemical Physics **148**, 110901 (2018)

Rapid detection of exosomal microRNA biomarkers by electrokinetic concentration for liquid biopsy on chip
Biomicrofluidics **12**, 014104 (2018)

AIP Journals in the News

A Paperlike LCD – Thin, Flexible, Tough and Cheap

Publications

AIP Journals
The most cited journals in applied physics

Conference Proceedings
Reports from the most important scientific meetings around the world

Physics Today
The indispensable magazine for the physical scientist providing the latest news, research trends, career advice and more

Scitation

Where We'll Be

FCCN 2018
Braga, Portugal
11 Apr to 13 Apr 2018

SNBU 2018
Salvador, Brazil
15 Apr to 20 Apr 2018

High Temperature Plasma Diagnostics
San Diego, CA
16 Apr to 19 Apr 2018

SPIE Photonics Europe
Strasbourg, France
22 Apr to 26 Apr 2018

ASA - 175th Meeting
Minneapolis, MN
7 May to 11 May 2018

CLEO 2018
San Jose, CA
15 May to 17 May 2018

INFORUM
Prague, Czech Republic
29 May to 30 May 2018

More Than Just Physics – Portfolio & Audience Reach 不仅仅是物理学——产品与读者范围

Facts & Figures 事实与数据

910,000 articles & review articles found in...

910,000篇文章和评论文章

28 leading journals in the physical sciences, including *Journal of Applied Physics*, *Applied Physics Letters* and *The Journal of Chemical Physics*

28种物理科学顶级期刊，包括《应用物理学杂志》、《应用物理学快报》和《化学物理杂志》

- 8 of which are published on behalf of, or in conjunction with Publishing Partners
- 其中8种代表出版合作伙伴出版，或者与之联合出版
- 5 of which are Open Access 其中5种是开放获取期刊
- 1 magazine *Physics Today* - published monthly, and was started in 1948 1种杂志《今日物理学》——月刊，创刊于1948年
- Over 1,700 volumes in AIP Conference Proceedings dating back to 1970
- 1,700多卷《AIP会议录》，追溯至1970年

Also, the AIP Digital Archives offers access to more than 280,000 articles – a collection that dates back to 1930

此外，AIP 数字过刊提供对280,000多篇文章的访问，追溯至1930年





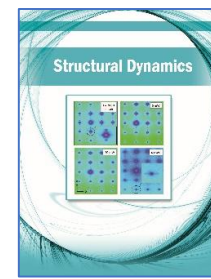
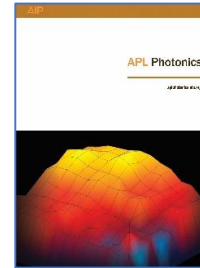
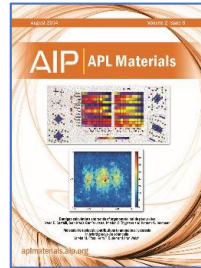
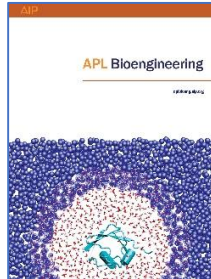
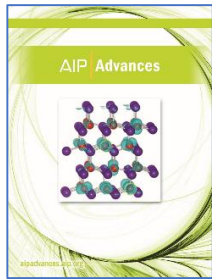
at AIP Publishing AIP出版社开放获取出版模式

AIP Publishing's mission is to accelerate science and broadly disseminate new research results to scientists worldwide. Available Open Access options, include:

AIP出版社的使命是促进科学发展和广泛地向全球科学家传播新研究结果。现有的开放获取选择包括：

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金色开放获取——提供5种全部开放获取期刊，包括：



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作者选择——针对任何订阅期刊的混合作者付费模式

Green Open Access – allows OA authors to deposit their manuscript in their institution's repository

绿色开放获取——允许开放获取作者将其稿件存放在其所属机构的存储库中

Applied Physics Reviews (Volume 3, 4 issues)

《应用物理学评论》（第3卷，4期）

Biomicrofluidics (v12, i6)

《生物微流体》（第12卷，6期）

Journal of Laser Applications (v30, i4)

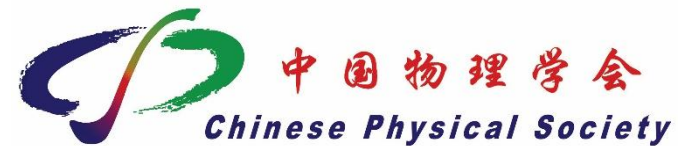
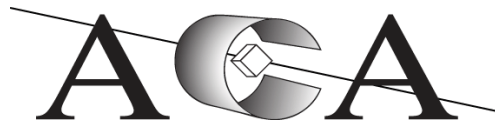
《激光应用杂志》（第30卷，4期）

Journal of Renewable and Sustainable Energy (v10, i6)

《可再生与可持续能源杂志》（第10卷，6期）

AIP Publishing: Publishing Partners

AIP出版社：出版合作伙伴



New in 2019, *The Journal of the Physical Society of Japan*
2019年新刊《日本物理学会会志》

Navigating 浏览 publishing.aip.org

AIP Publishing disseminates some of the latest developments in the physical sciences.

AIP出版社传播物理科学的最新进展。

The screenshot shows the AIP Publishing website interface. At the top, there are navigation links for 'AIP', 'Scitation', and 'AIP China'. Below this is the AIP Publishing logo and a horizontal menu with items: 'About', 'Publications', 'Librarians', 'Authors', 'Publishing Partners', 'Advertisers', 'Careers', and 'Contact Us'. The main content area is divided into several sections:

- Global research. Global reach. World-class results.** A text block stating: 'For more than 80 years, AIP Publishing has been a trusted source of research journals, conference proceedings, and essential information for physical scientists everywhere.'
- Breaking Research from AIP Publishing** section with three articles:
 - Microscopic gate-modulation imaging of charge and field distribution in polycrystalline organic transistors** (Journal of Applied Physics 123, 135301 (2018))
 - Quantitative characterization of semiconductor structures with a scanning microwave microscope** (Review of Scientific Instruments 89, 023706 (2018))
 - Two-dimensional photonic crystal slab nanocavities on bulk single-crystal diamond** (Appl. Phys. Lett. 112, 141102 (2018))
- Perspective: Size selected clusters for catalysis and electrochemistry** (The Journal of Chemical Physics 148, 110901 (2018))
- Rapid detection of exosomal microRNA biomarkers by electrokinetic concentration for liquid biopsy on chip** (Biomicrofluidics 12, 014104 (2018))

On the right side of the main content area, there is a video player titled 'AIP Journals in the News' showing a person holding two flexible, paper-like LCD screens. Below the video is the caption: 'A Paperlike LCD – Thin, Flexible, Tough and Cheap'. To the right of the video is a 'Where We'll Be' section listing conferences:

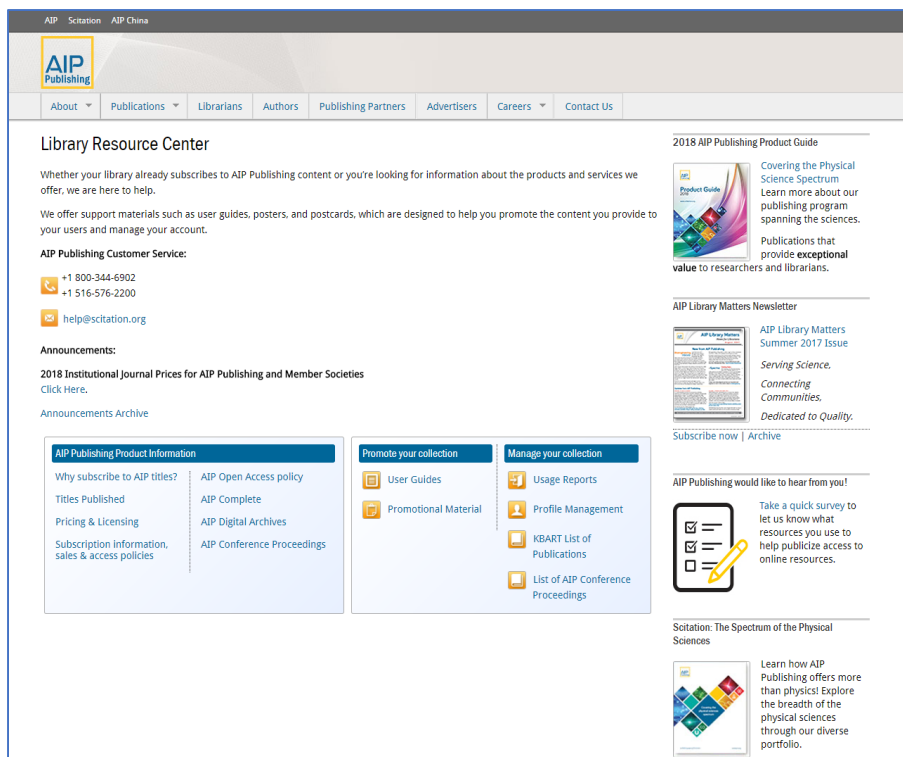
- FCCN 2018**: Braga, Portugal (11 Apr to 13 Apr 2018)
- SNBU 2018**: Salvador, Brazil (15 Apr to 20 Apr 2018)
- High Temperature Plasma Diagnostics**: San Diego, CA (16 Apr to 19 Apr 2018)
- SPIE Photonics Europe**: Strasbourg, France (22 Apr to 26 Apr 2018)
- ASA - 175th Meeting**: Minneapolis, MN (7 May to 11 May 2018)
- CLEO 2018**: San Jose, CA (15 May to 17 May 2018)
- INFORUM**: Prague, Czech Republic (29 May to 30 May 2018)

Below the video player is a 'Publications' section with three sub-sections:

- AIP Journals**: The most cited journals in applied physics
- Conference Proceedings**: Reports from the most important scientific meetings around the world
- Physics Today**: The indispensable magazine for the physical scientist providing the latest news, research trends, career advice and more

At the bottom of the main content area is a 'Scitation' section.

- The administrator hub at AIP Publishing
- AIP出版社的管理员中心
- New resources and collateral material to publicize your online access – *coming soon to include:*
- 即将推出的宣传您的在线访问的新资源和相关资料包括：
 - Posters, product information, banner ad templates, promotional text
 - 海报、产品信息、横幅广告模板、推广文本
- Platform and Administrator user guides
- 平台和管理员使用指南





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- Articles available via subscriptions or pay-per-view
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Author Resource Center 作者资源中心

- Offers authors information on publishing with AIP Publishing and available resources
- 为作者提供关于在AIP出版社发表论文和已有资源的信息
- Learn about:
- 了解:
 - How to prepare a manuscript
 - 如何准备稿件
 - Submission guidelines
 - 投稿指南
 - OA policy
 - 开放获取政策
 - AIP Author Services
 - AIP作者服务

The screenshot shows the AIP Publishing Author Resource Center website. At the top is the AIP Publishing logo and a navigation menu with links for About, Publications, Librarians, Authors, Publishing Partners, Advertisers, Careers, and Contact Us. The main heading is "Author Resource Center". Below this is a welcome message: "Welcome to AIP Publishing's Author Resource Center. We are committed to providing the support services you need to prepare your manuscripts for submission to our journals. Following the guidelines below can increase your chances of acceptance and minimize publication delays. The Resource Center will also allow you to follow your article's progress through the production process after it's been accepted." To the right of the welcome message is a section titled "Available for Download:" which features two book covers: "Author Instructions" and "Author Services". Below the welcome message and download section are three main content columns: "Before you begin", "Prepare your manuscript", and "Submit your manuscript".

Before you begin

- AIP Author Services
- Find the right journal
- Ethics & Responsibilities
 - Conflict of Interest
 - Ethics and Responsibilities
 - Creative Commons licensing terms
 - Web posting guidelines
 - Rights and permissions
 - New Author License
 - Copyright and re-use FAQs
- Preserving scholarly research
- AIP Open Access policy
- Retraction and correction policy

Prepare your manuscript

- General guidelines
 - Preparing your manuscript
 - Guidelines for specific journals
 - Guidelines for Chinese, Japanese, and Korean names
- Graphics and media
 - Preparing graphics
 - Supporting data
- Author permission FAQ

Submit your manuscript

- Manuscript preparation checklist
- Submit your manuscript via Peer X-Press
- Submitted manuscript status
- Accepted article status

Author Resource Center 作者资源中心



We believe every paper deserves a chance to make the best possible impact. AIP Author Services helps you prepare your manuscript for submission. 我们认为每篇论文都应该有机会发挥最大的影响。AIP作者服务帮您准备投稿的稿件。

<https://authorservices.aip.org/>

English Language Editing: Improve the quality of your written English so editors and reviewers can fully understand your academic research.

英语语言编辑: 提高您的书面英语的质量，以便编辑和审稿人能充分理解您的学术研究。

Translation: Subject-matter specialists will translate your article into English from Chinese, Japanese, Spanish, Portuguese, French, German or Russian.

翻译: 学科专家将把您的文章从中文、日语、西班牙语、葡萄牙语、法语、德语或俄语翻译成英语。

Figure Creation: Help your research come to life in the form of figures, illustrations and other professionally created images.

图形制作: 以图形、插图和其他专业制作的图像的形式把您的研究变得生动起来。

Figure Formatting: Modify or recreate figures to better complement your work. Adjust color, layout and size to meet publication requirements.

图形设计: 修改或重新制作图形以便更好地补充你的研究成果。调整图形的颜色、布局和大小以符合出版要求。

Journal Selector Tool: Use our free Journal Selector Tool to select the best journal for your research.

期刊选择工具: 使用我们的免费期刊选择工具为您的研究挑选最佳期刊。

Navigating Scitation.org

浏览 Scitation.org

AIP Publishing Portfolio

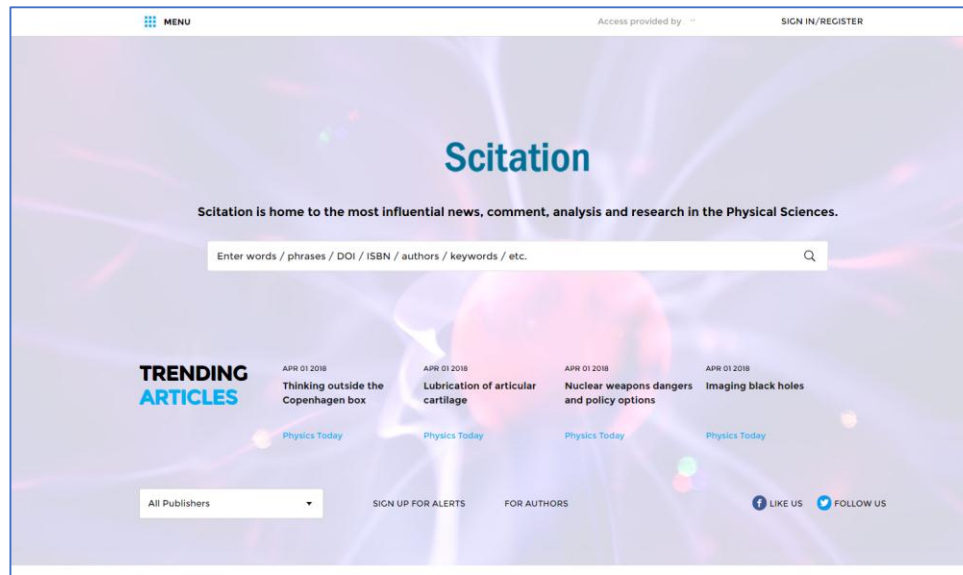
AIP出版社产品

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在线访问的产品包括:

- **28 journals** in the physical sciences **28种物理科学期刊**
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 - 5 Open Access journals 其中5种是开放获取期刊
- **1 magazines** (*Physics Today*) **1种杂志** (《今日物理学》)
- **AIP Conference Proceedings** – back to 1970 including 1700+ volumes
- **AIP会议录**——追溯至1970年, 含1700多卷
- **Digital Archives** – dates back to 1930 and includes 280K+ articles
- **数字过刊**——追溯至1930年, 含280,000多篇文章

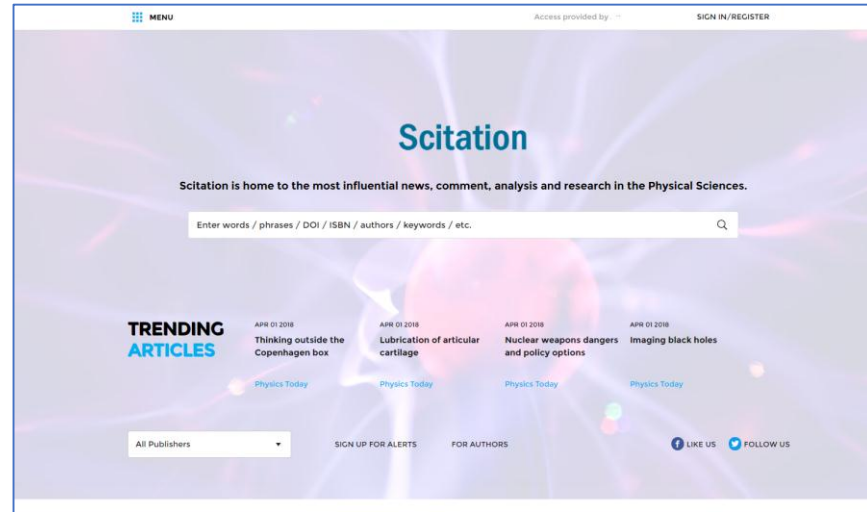
All on one platform – scitation.org



Platform Improvements since Dec 2016

自2016年12月以来的平台改进

- Redesigned page layout
- 页面改版
- Optimized display
- 优化展示
- Improved speed
- 提升速度
- New figure viewer
- 新的图像浏览器
- Improved linking
- 改善链接
- More collaboration tools
- 更多合作工具
- Rebuilt library admin access site
- 重建图书馆管理员访问网站

A screenshot of the Scitation registration form. The form is titled 'Register' and includes the following fields: 'FIRST NAME*', 'LAST NAME*', 'EMAIL*', and 'PASSWORD*'. Below the password field, there are two checkboxes: 'Yes, I would like to occasionally receive information and offers by email.' and 'I have read and accept the AIP Publishing Terms and Conditions of Use'. A 'Terms of Use' link is provided. A CAPTCHA image with the text '40XK' is shown, followed by a 'Retype the code from the picture:' prompt. At the bottom, there are 'Register' and 'Cancel' buttons.

To ensure a personalized experience on Scitation.org, take a moment to create a profile by visiting:

为确保在Scitation.org上的个性化体验，请访问
<https://www.scitation.org/action/registration>

花点时间创建一个账户。

Navigating the Homepage

浏览主页

Personalized for institutional customers when accessing content via IP range

Indicates you're logged in to your account

Search the Scitation.org platform by keyword, phrase, DOI, ISBN, author name, etc.

To perform an advanced search, click the magnifying glass, and the "advanced search" box will appear (see page 4).
Note: the "search tips" that appear in the right column are very useful when you're seeking to obtain tailored search results

Read the latest articles from across the platform

Sign up for Alerts - register for journal alerts to be delivered right to your inbox

For Authors - access the Author Resource Center for information on manuscript submission, publishing, available services, and more.

Learn more about AIP Publishing, read the latest and most popular articles, etc.

Scitation
Scitation is home to the most influential news, comment, analysis and research in the Physical Sciences.

Enter words / phrases / DOI / ISBN / authors / keywords / etc.

TRENDING ARTICLES

- APR 01 2017 The secret of the Soviet hydrogen bomb Physics Today
- MAR 01 2017 The laws of life Physics Today
- JUN 01 2017 Hidden worlds of fundamental particles Physics Today
- MAY 01 2017 Steady, strong growth is expected for open-access journals Physics Today

AIP Publishing SIGN UP FOR ALERTS FOR AUTHORS LIKE US FOLLOW US

About AIP Publishing

AIP Publishing is a wholly owned not-for-profit subsidiary of Publishing's mission is to support the charitable, scientific and educational purposes of AIP through scholarly publishing activities in the fields of the physical and related sciences on its own behalf, on behalf...

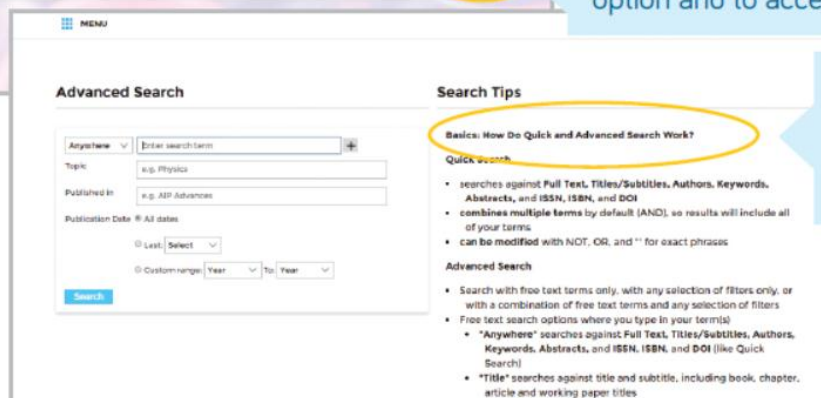
Popular Articles

- DEC 21 2007 On the conformal forms of the Robertson-Walker metric Journal of Mathematical Physics
- APR 01 2007

Advanced Search 高级检索



Click here to view the “Advanced Search” option and to access “Search Tips”



Review the “Search Tips” to get the most out of your search results

Search Results 检索结果

The screenshot shows a search results page for the term "semiconductor". The page is organized into several sections:

- Header:** Includes a "MENU" button, a "Welcome" message, and a search icon.
- Results Summary:** Displays "RESULTS: 1 - 20 of 188465" and a "Follow results" link.
- Search Filter:** Shows the search term "semiconductor" and a "Anywhere" dropdown.
- Article Type Filter:** Lists various article types with their respective counts: Research Article (79,221), Letter (8,814), Other (4,227), Book Review (1,018), Correction Chapter (793), and MORE (22).
- Publication Date Filter:** Includes a date range selector from 1932 to 2017.
- Topics Filter:** Lists various topics with their counts: Metals (7,009), Electronic Devices (6,107), Materials Analysis (5,025), Chemical Analysis (6,743), and Optical Devices (1,122), with a "MORE (66)" link.
- Author Filter:** Lists authors with their counts: Penlon, S.J. (607), Morino, H. (281), Nakonyak, N. Jr. (372), Ren, P. (201), and Gossard, A.C. (219), with a "MORE (59)" link.
- Publication Filter:** Lists journals with their counts: Applied Physics Letters (18,902), Journal Of Applied Physics (148,000), AIP Conference Proceedings (1,016), Journal Of Vacuum Science & Technology B, Nanotechnology And (1,141).
- Refine Search:** A dropdown menu for refining the search.
- Sort:** A dropdown menu set to "Relevance", with "Date" as an alternative option.
- Article List:** A list of search results, each showing the full text, title, authors, and journal information. The first article is "Effect of various substrates on the hydrogen sensitivity of palladium-semiconductor diodes" by N. Yamamoto, S. Tonemura, T. Matsuo, and H. Tsubomura, published in *Journal of Applied Physics* 52, 6227 (1981). Other articles include "Carrier mobility in polycrystalline semiconductors", "Diluted magnetic semiconductors: An interface of semiconductor physics and magnetism (invited)", "Characterization of SILK I™ Semiconductor Dielectric by XPS", "Correlation between Schottky barrier heights on compound semiconductors and metal and semiconductor electronegativities", and "Dual chopped photoreflectance spectroscopy for nondestructive characterization of semiconductors and semiconductor nanostructures".

Article Search by Citation from Journal Homepage 在期刊主页按引用进行文章检索

From the dropdown, select "citation" to run this search

MENU Welcome

Citation Journal of Applied Physics Year Volume Issue Page

This option allows users to search by Title, Volume, Issue and/or Page

AIP Journal of Applied Physics

HOME BROWSE INFO FOR AUTHORS

SIGN UP FOR ALERTS

Click here to search the journal page

- For the most accurate results, fill in the journal name, year of publication, volume and page number
- 为了得到最准确的结果，输入期刊名、出版年份、卷次和页数

AIP Journal of Applied Physics

HOME BROWSE INFO FOR AUTHORS

SIGN UP FOR ALERTS

Browse Volumes

122 (2017)

121 (2017)

120 (2016)

Issue 24, December 28

Issue 23, December 21

Issue 22, December 14

Issue 21, December 07

Issue 20, November 28

Issue 19, November 21

Issue 18, November 14

Issue 17, November 07

Issue 16, October 30

Issue 15, October 23

Issue 14, October 16

Issue 13, October 07

Issue 12, September 28

Issue 11, September 21

Issue 10, September 14

Issue 9, September 07

Issue 8, August 28

Issue 7, August 21

Issue 6, August 14

Issue 5, August 07

Issue 4, July 28

Issue 3, July 21

Issue 2, July 14

Table of Contents

Volume 120, Issue 22, 14 December 2016

ARTICLES Photonics, Plasmonics, Photovoltaics, Lasers, Optical Materials and Phenomena

Full: December 2016

Cherenkov terahertz surface plasmon excitation by an electron beam over an ultrathin metal film

Ravari Kumar, Rajar Kumar, and Satish Kumar Rajasekhar

Journal of Applied Physics 120, 223101 (2016) <http://dx.doi.org/10.1063/1.4976966>

SHOW ABSTRACT PDF ADD TO FAVORITES SHARE EXPORT CITATION

Full: December 2016

Functional metal-insulator-metal top contacts for Si-based color photodetectors

Iskhan Sultan, and Nancy Ajalli

Journal of Applied Physics 120, 223102 (2016) <http://dx.doi.org/10.1063/1.4976967>

SHOW ABSTRACT PDF ADD TO FAVORITES SHARE EXPORT CITATION

Full: December 2016

Microwave extraction method of radiative recombination and photon lifetimes up to 85 °C on 50 Gb/s oxide-vertical cavity surface emitting laser

C. S. Wang, M. Liu, M. Fang, and N. Holonyak Jr.

Journal of Applied Physics 120, 223103 (2016) <http://dx.doi.org/10.1063/1.4976968>

Journal Homepage: Navigating the Page

期刊主页：浏览页面

From the navigation bar you can access:

- **"Home"** - navigate to the homepage by clicking here
- **"Browse"** - view Table of Contents
- **"Info"** - Overview, Editorial Board, News
- **"For Authors"** - Author resources on preparing a manuscript and submitting an article

View the Editor's latest article picks

The screenshot shows the homepage of AIP The Journal of Chemical Physics. The navigation bar at the top includes links for HOME, BROWSE, INFO, and FOR AUTHORS. Callouts highlight the 'SUBMIT YOUR ARTICLE' and 'SIGN UP FOR ALERTS' buttons. The featured article is titled 'Toward chemical accuracy in the description of ion-water interactions through many-body representations. Alkali-water dimer potential energy surfaces'. Below this, there are sections for 'Editor's Picks' and 'Most Read' articles. The 'Most Read' section includes articles such as 'Stimulated Raman adiabatic passage: The status after 25 years' and 'Benchmarks of electronically excited states: Basis set effects on CASPT2 results'.

Submit your article

Sign up for journal alerts

View the featured article from the latest issue

Access "most read" articles

Journal Homepage: Table of Content (TOC) 期刊主页：目录表（TOC）

- View, download, “add to favorites” or “share” your article of choice
- 浏览、下载、“添加到收藏夹”或“分享”您选择的文章
- “Filter by Section” populates the sections and sub-sections within each TOC
- “逐段筛选”填充各目录表内的章节和小节

The image displays two screenshots of the AIP Journal of Chemical Physics website. The top screenshot shows the Table of Contents for Volume 147, Issue 3, 21 July 2017. The 'Perspectives' section is highlighted, featuring the article 'Perspective: Photocatalytic reduction of CO₂ to solar fuels over semiconductors' by Chao Wang, Glenn S. Han, Hefang Wang, and H. Qi. The bottom screenshot shows the Table of Contents for Volume 138, Issue 21, 07 June 2015. A yellow circle highlights the 'Filter by Section' dropdown menu, which is used to filter the content by section and sub-sections. The 'Articles' section is highlighted, featuring the article 'High resolution spatial map imaging of a gaseous target' by Martin Oda, Johannes von Mangeron, Klaus Otto, Andry R. Rakar, Eduardo Serracoin, and others.

Journal Homepage: Navigation Bar 期刊主页：导航栏

learn about the journal,
its editorial board, and
the latest news

The screenshot shows the top navigation bar of the AIP Journal of Chemical Physics website. The navigation items are HOME, BROWSE, INFO, and FOR AUTHORS. The 'FOR AUTHORS' menu is open, showing options: 'Preparing Your Manuscript', 'Publication Charges', 'Author Resources', and 'Submit'. Below the navigation bar, the main content area features a featured article titled 'Toward chemical accuracy in the description of ion-water interactions: Alkali-water dimer potential energy surfaces'. Below this, there are four smaller article teasers. The 'Editor's Picks' section contains two articles with thumbnail images. A 'PERSPECTIVE' box highlights an article on 'Treating electron over-delocalization with the DFT + U method'. The 'Most Read' section lists three popular articles with their respective dates and titles.

Your one stop for
information on publishing
a manuscript

This screenshot is identical to the one on the left, showing the AIP Journal of Chemical Physics homepage navigation bar. The 'FOR AUTHORS' dropdown menu is open, displaying the same options: 'Preparing Your Manuscript', 'Publication Charges', 'Author Resources', and 'Submit'. The rest of the page content, including the featured article and other sections, is the same as in the previous image.

Viewing an Article 浏览文章

- From an article, users can:
- 用户可以通过一篇文章:
 - Save searches
保存检索
 - Sign up for RSS feeds
注册RSS订阅
 - Download an article as a PDF or print it
下载PDF格式的文章或打印文章
 - Sign up for journal alerts
注册期刊提醒
 - View author affiliations
浏览作者从属关系
 - View and download article citations
浏览和下载文章引用
 - Add to your “favorites”
添加到您的“收藏夹”
 - “Share” the article with peers
将文章“分享”给同行
 - View article metrics
浏览文章指标
 - Access related articles
访问相关文章
- In most cases, articles are available as HTML or PDF
- 在大多数情况下，文章是HTML或PDF格式
- Article graphs/ charts can be downloaded to PPT
- 文章图表可以下载到PPT

Highly accurate potential energy surface, dipole moment surface, rovibrational energy levels, and infrared line list for $^{32}\text{S}^{16}\text{O}_2$ up to 8000 cm^{-1}

ABSTRACT
A purely ab initio potential energy surface (PES) was refined with selected HITRAN data. Compared to HITRAN, the root-mean-square error (σ_{RMS}) for all $J = 0-30$ rovibrational energy levels computed on the refined PES (denoted Ames-1) is 0.015 cm^{-1} . Combined with a CCSD(T)/aug-cc-pVQZ dipole moment surface (DMS), an infrared (IR) line list (denoted Ames-DMS) has been computed at 268 K and covers up to 8000 cm^{-1} . Compared to the HITRAN and CDMS databases, the intensity agreement for most vibrational bands is better than 30%–50%. Our predictions for $^{32}\text{S}^{16}\text{O}_2$ band origins, higher energy $^{32}\text{S}^{16}\text{O}_2$ band origins and missing $^{34}\text{S}^{16}\text{O}_2$ IR bands have been verified by most recent experiments and available HITRAN data. We conclude that the Ames-1 PES is $\pm 0.015\text{ cm}^{-1}$ as reliable and precise as the best available HITRAN data. This work is available as an open access article in the journal *The Journal of Chemical Physics*. See the article for full details.

FIG. 1. Accuracy of Ames-1 PES, $^{32}\text{S}^{16}\text{O}_2$ and $^{34}\text{S}^{16}\text{O}_2$ band origins.

FIG. 2. Assignment for $J = 30, v_2 = 1$ levels of $^{32}\text{S}^{16}\text{O}_2$ and $^{34}\text{S}^{16}\text{O}_2$ band levels. (a) with current HITRAN band names and (b) with exchanged band names.

Article Citations, Tools & Metrics

文章引用、工具和指标

- Article citations can be viewed and downloaded
- 文章引用可以浏览和下载
- Articles can be added to “favorites”
- 文章可以添加到“收藏夹”

The screenshot shows the article page for 'Highly accurate potential energy surface, dipole moment surface, rovibrational energy levels, and infrared line list for $^{32}\text{S}^{16}\text{O}_2$ up to 8000 cm^{-1} '. The 'CITED BY' section lists three references. A yellow circle highlights the 'Download Citation' and 'Add to Favorites' buttons in the 'TOOLS' menu.

- Article metrics are recorded in real-time and updated on the article page daily
- 文章指标实时记录，并在文章页面每日更新
 - *Cumulative since Dec 2016*
 - 自2016年12月起累积

The screenshot shows the same article page, but with the 'Article Metrics' section highlighted. The 'Metrics' button in the navigation bar is circled in yellow. The 'Article Metrics' section displays 'Views: 43' and 'Citations: 15'.

Related Article & Sharing an Article 相关文章和分享文章

This screenshot shows the 'RELATED ARTICLES' section at the top of the article page. It features a horizontal list of five article thumbnails. Each thumbnail includes a small icon, the title of the article, and the author's name. The first article is highlighted with a blue background. Navigation arrows are visible on the right side of the list.

- Related articles appear at the top of the screen
- 相关文章出现在屏幕顶端
- All articles are “shareable” via social media and email
- 全部文章可通过社交媒体和电子邮件“分享”

This screenshot shows the full article page for 'Highly accurate potential energy surface, dipole moment surface, rovibrational energy levels, and infrared line list for $^{32}\text{S}^{16}\text{O}_2$ up to 8000 cm^{-1} '. The page includes the journal title 'AIP The Journal of Chemical Physics', navigation links, and the article title. A share menu is highlighted with a yellow circle, showing options for E-mail, Facebook, LinkedIn, Recommended To Librarians, and Twitter. The abstract text is visible below the title.

Local Resources & Information

本地资源和信息

AIP Beijing Office: Working with the physics community

AIP北京办公室：与物理界合作

- **Only AIP Publishing office outside the US, work to:** 美国以外唯一的AIP出版社办公室，旨在：
 - **Increase** the number and quality of submitted and published articles from Chinese researchers
 - 提高中国研究人员投稿和发表文章的数量和质量
 - **Build** the amount of reviewers, editorial board members, associate editors, and editors within China
 - 在中国**组建**审稿人、编委、副编辑和编辑队伍
 - **Serve** as a resource for libraries to understand more about AIP publications
 - 为图书馆提供资源**服务**，使其更加了解AIP出版物
 - **Establish** long term relationships with other key organizations involved in the funding, production, and support for research in the physical sciences
 - 与涉及物理科学研究资金、生产和支持的其他核心组织**建立**长期合作关系
- **Locally, the AIP Publishing Beijing Office Staff:** AIP出版社北京办公室本地员工：
 - **Arrange** keynote seminars at the Chinese Physical Society meeting
 - **安排**中国物理学会大会主题研讨会
 - **Attend** domestic scientific conferences to keep physicists informed about AIP's publications and scholarly initiatives
 - **出席**国内科学会议，使物理学家了解AIP出版物和学术活动的最新动态
 - **Make** presentations at conferences and institutions to advise researchers about publishing practices and standards
 - 在会议和机构做**演讲**，为研究人员提供出版实践和标准方面的建议
 - **Act** as liaison between AIP, AIP Publishing, and Chinese physics community
 - **担当**AIP、AIP出版社和中国物理界之间的联络人



Xingtao Ai
中国区经理



Haibin Zhang
市场经理

- Chinese-language site
- 中文网站
- Links to articles and information
- 链接文章和信息

The screenshot displays the AIP Publishing website's Chinese interface. At the top, there are navigation links for 'AIPorg', 'AIP Publishing', and 'AIP Scitation'. Below this is a main navigation bar with dropdown menus for '首页' (Home), '关于AIP' (About AIP), 'AIP刊物' (AIP Journals), '刊物亮点' (Journal Highlights), '作者资源' (Author Resources), '会议文集' (Conference Proceedings), '科研服务' (Research Services), '产品销售' (Product Sales), 'Scitation', and '联系我们' (Contact Us). The main content area is divided into several sections:

- 2015年度参展会议** (2015 Annual Conference Exhibitions): A list of conferences including the 15th National Young Chemists Conference, International Physics Education Conference, Chinese Optics Academic Conference, Chinese Nanotechnology Academic Conference, CPS Autumn Meeting, 17th Nanotechnology Academic Conference, and Chinese Mathematical Society Meeting.
- 最新资讯** (Latest News): A section with a blue header containing news items such as 'AIP Publishing 推出中文作者服务' (AIP Publishing launches Chinese author services), '更新: 三位科学家因引力波探测而共获诺贝尔物理学奖' (Update: Three scientists win Nobel Prize for gravitational wave detection), and '2017 诺贝尔物理学奖信息资源页' (2017 Nobel Prize information resource page).
- 精选专辑** (Selected Special Issues): A section with a blue header featuring a featured article '《科学仪器评论》 Review of Scientific Instruments 2010-2014年高引用文章' (Review of Scientific Instruments 2010-2014 high-citation articles) with a brief description of its significance.
- AIP出版刊物** (AIP Journals): A sidebar on the right showing a featured journal cover for 'AIP Applied Physics Letters' with 'PREVIOUS' and 'NEXT' buttons.
- Figure B:** A central figure titled 'Collagen' and 'Cancer Cells' showing 'Control' and 'Irradiated' conditions. It includes a 'Media' axis and a caption: 'Ionizing Radiation Found to Soften Tumor Cell Microenvironment'.

DRAA Content

DRAA内容

- AIP titles
- AIP期刊
 - Front-files (via subscriptions and / or access fees)
 - 现刊（通过订购和/或使用费访问）
 - Back-files (via NSTL)
 - 过刊（通过NSTL访问）
- Choice of additional components
- 附加内容选项
 - Publishing Partner titles
 - 出版合作伙伴期刊
 - Deeply-discounted print
 - 低价纸本
- Ordering
- 订购
 - Charlesworth
 - 查尔斯沃思
 - Authorized agents
 - 授权代理

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Thank you!
Questions?

谢谢！

问题？