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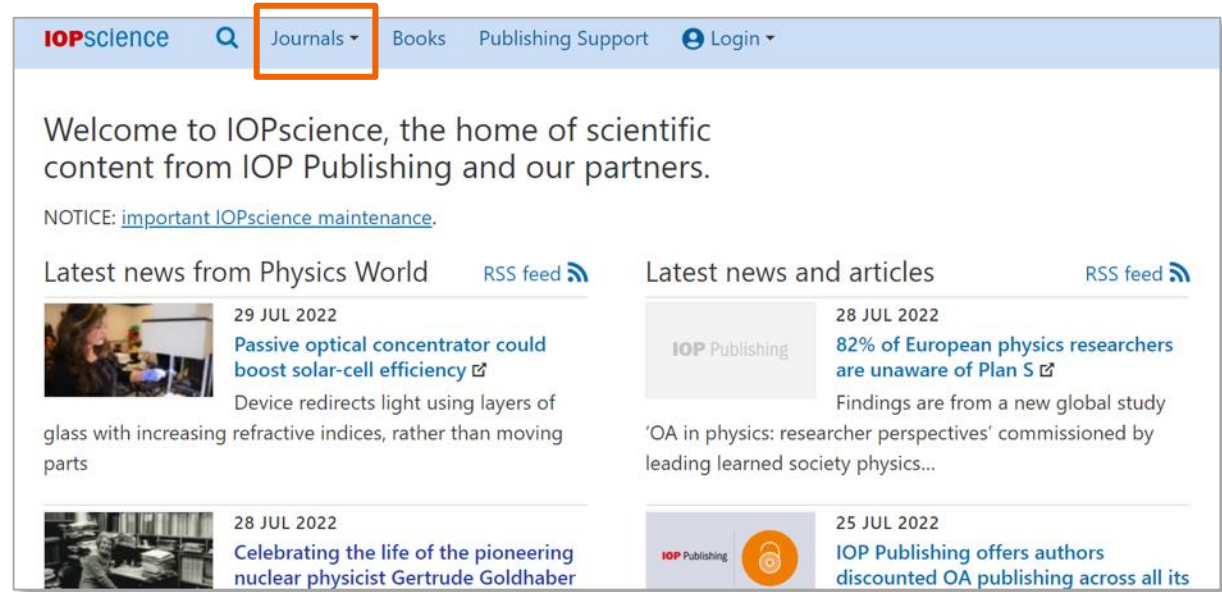
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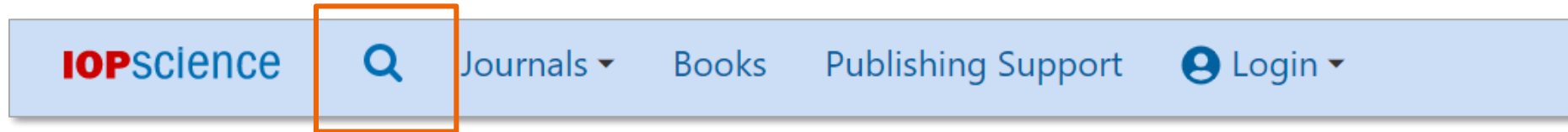
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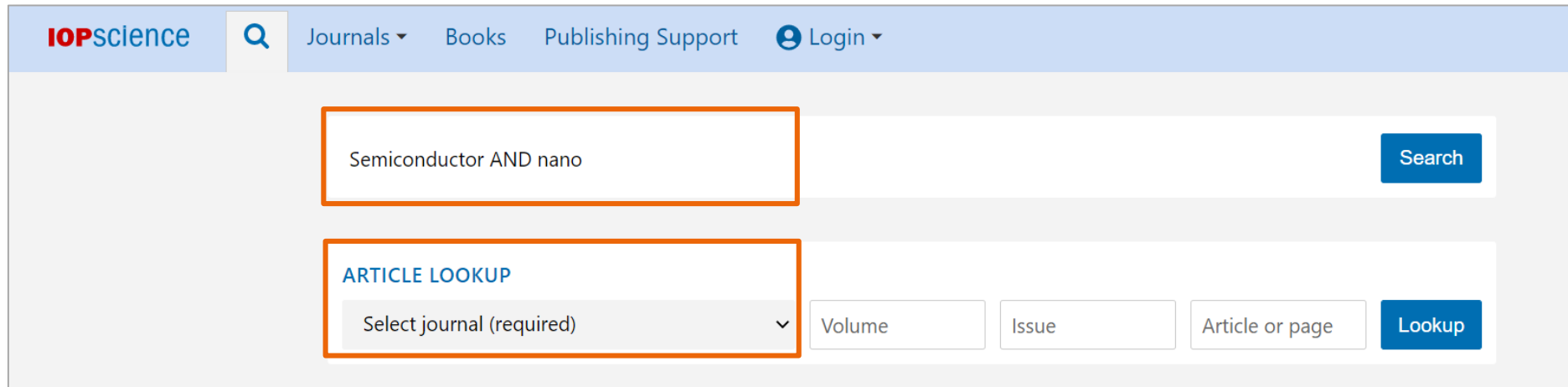
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JOURNAL ARTICLE

Erratum: Coupling between structural properties and charge transport in nano-crystalline and amorphous carbon films, deposited by electron-beam evaporation (2020 *Nanotechnology* 31 505706)

V V Brus, M I Ilashchuk, I G Orletskyi, M M Solovan, G P Parkhomenko, I S Babichuk, N Schopp, G O Andrushchak, A I Maryanchuk

2021 *Nanotechnology* 32 109601 <https://doi.org/10.1088/1361-6528/abce55>

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JOURNAL ARTICLE

Corrigendum: The effect of an annealing process on atomic layer deposited TiO₂ thin films (2022 *Nanotechnology* 33 045705)

Byunguk Kim, Taeseong Kang, Gucheol Lee and Hyeong tag Jeon

2022 *Nanotechnology* 33 119501 <https://doi.org/10.1088/1361-6528/ac412f>

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JOURNAL ARTICLE

(Invited) Nano-Crystalline Oxide Semiconductor Materials for Display and Semiconductor Device Applications

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0-9

2D Materials

A

Advances in Natural Sciences: Nanoscience and Nanotechnology

Applied Physics Express

The Astronomical Journal

The Astrophysical Journal

The Astrophysical Journal Letters

The Astrophysical Journal Supplement Series

B

Biofabrication

Bioinspiration & Biomimetics

Biomedical Materials

Biomedical Physics & Engineering Express

C

Journal of Physics: Condensed Matter

Journal of Physics: Conference Series

Journal of Physics: Energy

Journal of Physics: Materials

Journal of Physics: Photonics

Journal of Radiological Protection

Journal of Semiconductors

Journal of Statistical Mechanics: Theory and Experiment

Journal of The Electrochemical Society

L

Laser Physics

Laser Physics Letters

M

Machine Learning: Science and Technology

Materials for Quantum Technology



Journal pages

The journal homepage contains critical data and links relating to a particular title.

This includes the **Impact Factor**, **Scope**, **Editorial board**, **Special/Focus issues** and **Webinars**.

From here you can quickly select any volume, see what's new and learn more about pricing, guidelines and specific open access information.

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The screenshot shows the homepage for the Journal of Physics D: Applied Physics. It features a journal cover on the left, a description, and a 'Submit an article' button. On the right, there are dropdown menus for 'Current volume', 'Journal archive', and 'Focus issues', each with a 'Go' button. Below these are 'JOURNAL LINKS' including 'Submit an article', 'About the journal', 'Editorial Board', 'Author guidelines', 'Review for this journal', 'Publication charges', 'Awards', 'Journal collections', 'Pricing and ordering', and 'Contact us'. At the bottom, there are statistics: '37 days' (Median submission to first decision after peer review), '3.409' (Impact factor), and '5.7' (Citescore). Callout boxes highlight the 'Submit an article' button, the volume selection dropdowns, and the 'JOURNAL LINKS' section.

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37 days
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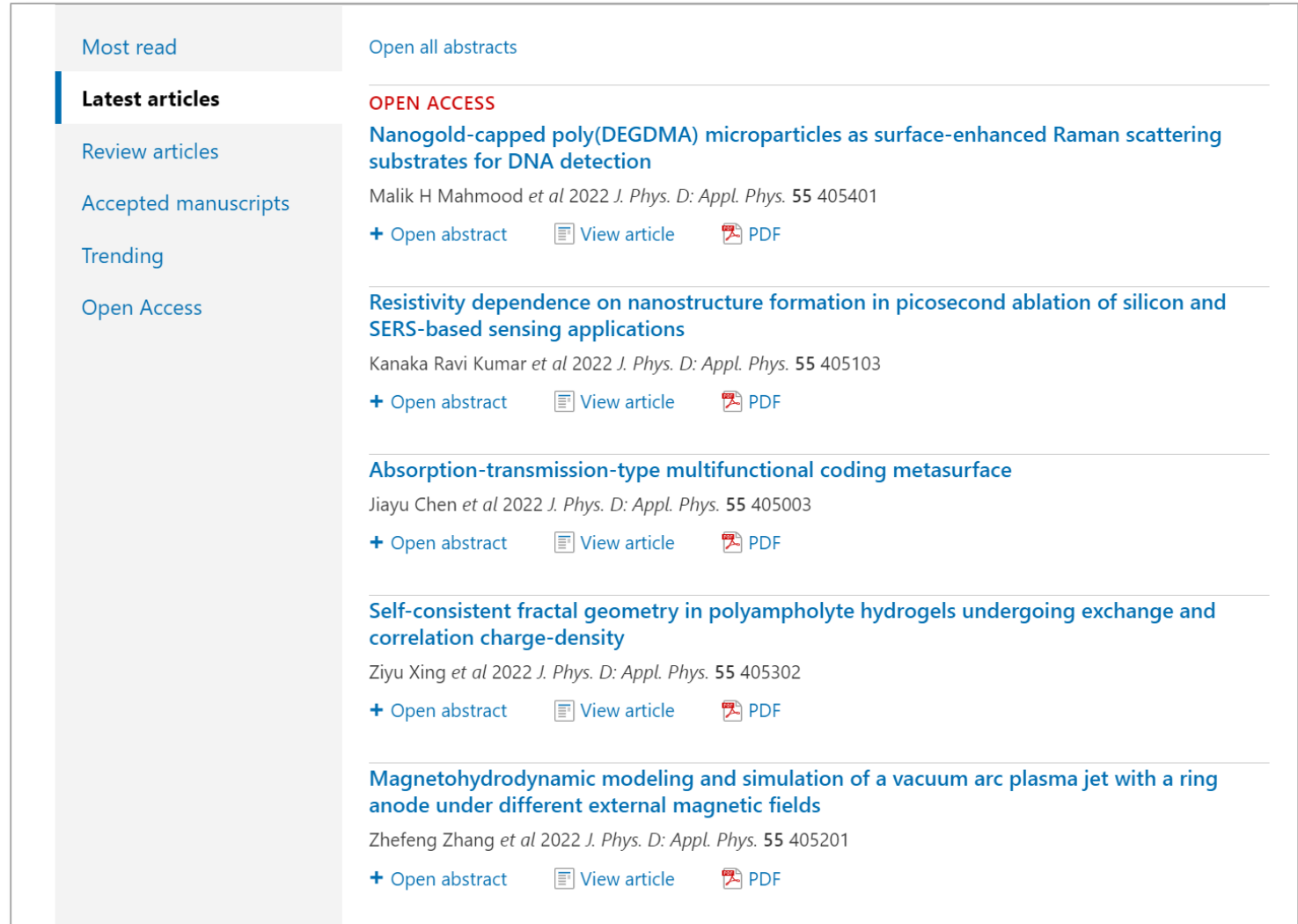
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Journal pages

At the bottom of each journal homepage you can quickly access the **Most read** and **Latest articles** from that journal. You can also see **Review articles** if these are available.



The screenshot displays a journal homepage interface. On the left, a vertical navigation menu contains the following items: 'Most read', 'Latest articles' (highlighted with a blue bar), 'Review articles', 'Accepted manuscripts', 'Trending', and 'Open Access'. The main content area on the right is titled 'Open all abstracts' and lists five articles under the 'OPEN ACCESS' heading. Each article entry includes the title, authors, journal information, and three action links: 'Open abstract', 'View article', and 'PDF'.

Article Title	Authors	Journal	Open abstract	View article	PDF
Nanogold-capped poly(DEGDMA) microparticles as surface-enhanced Raman scattering substrates for DNA detection	Malik H Mahmood <i>et al</i>	2022 <i>J. Phys. D: Appl. Phys.</i> 55 405401	+	📄	📄
Resistivity dependence on nanostructure formation in picosecond ablation of silicon and SERS-based sensing applications	Kanaka Ravi Kumar <i>et al</i>	2022 <i>J. Phys. D: Appl. Phys.</i> 55 405103	+	📄	📄
Absorption-transmission-type multifunctional coding metasurface	Jiayu Chen <i>et al</i>	2022 <i>J. Phys. D: Appl. Phys.</i> 55 405003	+	📄	📄
Self-consistent fractal geometry in polyampholyte hydrogels undergoing exchange and correlation charge-density	Ziyu Xing <i>et al</i>	2022 <i>J. Phys. D: Appl. Phys.</i> 55 405302	+	📄	📄
Magnetohydrodynamic modeling and simulation of a vacuum arc plasma jet with a ring anode under different external magnetic fields	Zhefeng Zhang <i>et al</i>	2022 <i>J. Phys. D: Appl. Phys.</i> 55 405201	+	📄	📄



Article pages

Each individual article page contains links and information including the full PDF, figures, references, download numbers, Dimensions and Altmetrics data (see separate sections), permissions, export and social-media sharing options.

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The screenshot shows the article page for "Mechanical properties of nanoparticles: basics and applications". It includes a top navigation bar with "TOPICAL REVIEW • OPEN ACCESS", the article title, authors (Dan Guo¹, Guoxin Xie¹ and Jianbin Luo¹), publication date (3 December 2013), journal information, and citation. On the right, there are statistics for total downloads (133075), Dimensions (381), and Altmetrics (12), along with a "Turn on MathJax" link and social sharing options. Below the article title are tabs for "Article PDF", "Figures", and "References". A callout box points to the "Figures" tab, stating "See all the figures in the article at a glance with this tab." Another callout box points to the "References" tab, stating "Click to drop-down and view author affiliations and more." A third callout box points to the statistics area, stating "Get instant statistics on citations, downloads and social media impact." At the bottom, there is a section for "Author e-mails" (guodan26@mail.tsinghua.edu.cn), "Author affiliations" (State Key Laboratory of Tribology, Department of Mechanical Engineering, Tsinghua University, Beijing 100084, People's Republic of China), and "Dates" (Received 28 August 2013).

TOPICAL REVIEW • OPEN ACCESS

Mechanical properties of nanoparticles: basics and applications

Dan Guo¹, Guoxin Xie¹ and Jianbin Luo¹

Published 3 December 2013 • © 2014 IOP Publishing Ltd

[Journal of Physics D: Applied Physics](#), Volume 47, Number 1

Citation Dan Guo *et al* 2014 *J. Phys. D: Appl. Phys.* 47 013001

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Journal of Physics A: Mathematical and Theoretical

PAPER


A systematic construction of integrable delay-difference and delay-differential analogues of soliton equations

Kenta Nakata^{3,1} and Ken-ichi Maruno^{3,2} 

Published 25 July 2022 • © 2022 IOP Publishing Ltd

[Journal of Physics A: Mathematical and Theoretical](#), Volume 55, Number 33

Citation Kenta Nakata and Ken-ichi Maruno 2022 *J. Phys. A: Math. Theor.* **55** 335201

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Abstract

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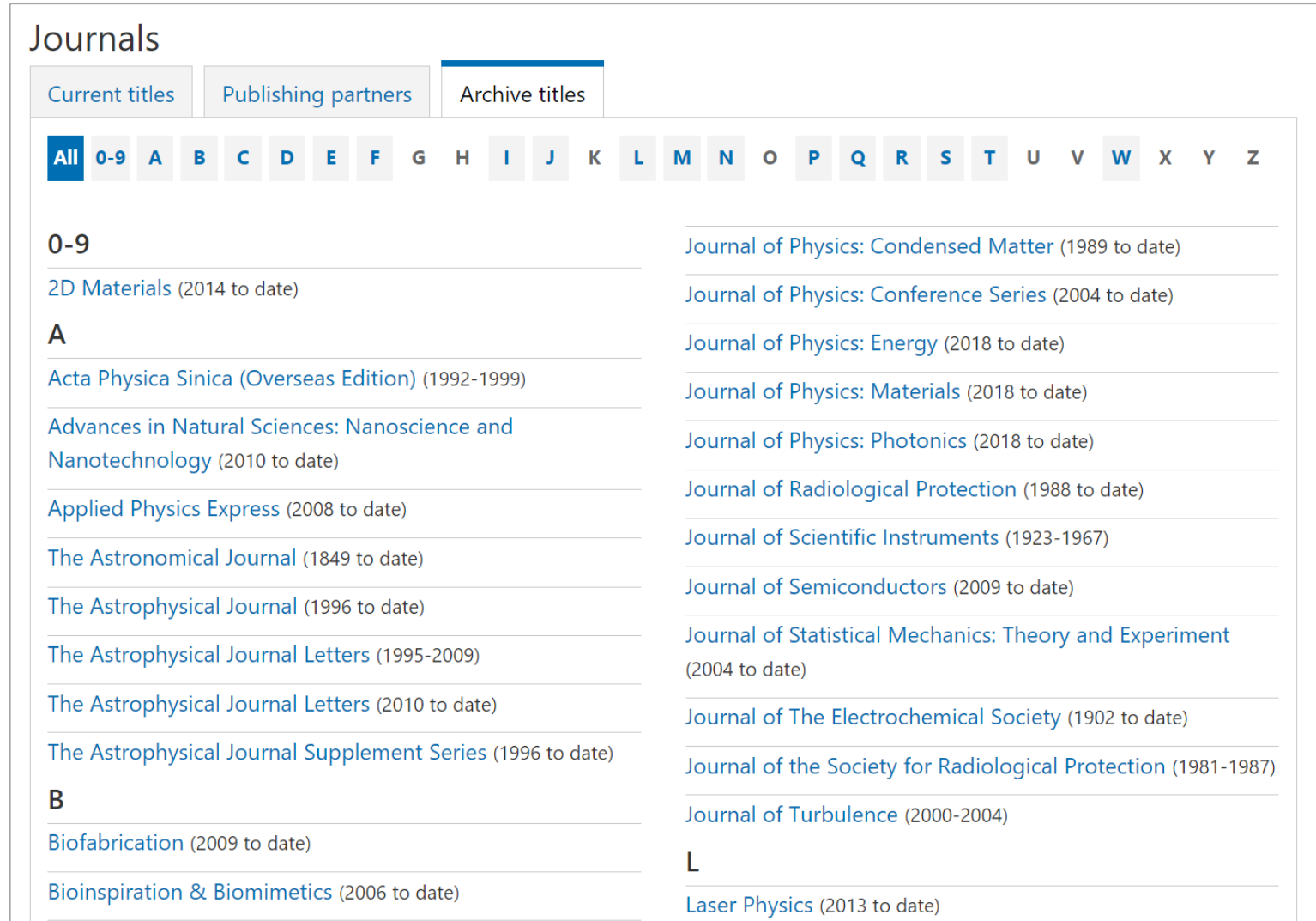
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IOP journal archive

To view all IOP archive content visit the **Journals** list and select the **Archive titles** tab to see historic journals and the date ranges available.



The screenshot shows the 'Journals' page on the IOP archive website. At the top, there are three tabs: 'Current titles', 'Publishing partners', and 'Archive titles', with 'Archive titles' being the active tab. Below the tabs is a navigation bar with letters from 'A' to 'Z' and '0-9', with 'All' selected. The main content area is divided into two columns. The left column lists journals under the heading '0-9' and 'A', including '2D Materials (2014 to date)', 'Acta Physica Sinica (Overseas Edition) (1992-1999)', 'Advances in Natural Sciences: Nanoscience and Nanotechnology (2010 to date)', 'Applied Physics Express (2008 to date)', 'The Astronomical Journal (1849 to date)', 'The Astrophysical Journal (1996 to date)', 'The Astrophysical Journal Letters (1995-2009)', 'The Astrophysical Journal Letters (2010 to date)', and 'The Astrophysical Journal Supplement Series (1996 to date)'. The right column lists journals under the heading 'L', including 'Journal of Physics: Condensed Matter (1989 to date)', 'Journal of Physics: Conference Series (2004 to date)', 'Journal of Physics: Energy (2018 to date)', 'Journal of Physics: Materials (2018 to date)', 'Journal of Physics: Photonics (2018 to date)', 'Journal of Radiological Protection (1988 to date)', 'Journal of Scientific Instruments (1923-1967)', 'Journal of Semiconductors (2009 to date)', 'Journal of Statistical Mechanics: Theory and Experiment (2004 to date)', 'Journal of The Electrochemical Society (1902 to date)', 'Journal of the Society for Radiological Protection (1981-1987)', 'Journal of Turbulence (2000-2004)', and 'Laser Physics (2013 to date)'. A speaker icon is visible in the bottom right corner.

Journals

Current titles | Publishing partners | Archive titles

All | 0-9 | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z

0-9

[2D Materials \(2014 to date\)](#)

A

[Acta Physica Sinica \(Overseas Edition\) \(1992-1999\)](#)

[Advances in Natural Sciences: Nanoscience and Nanotechnology \(2010 to date\)](#)

[Applied Physics Express \(2008 to date\)](#)

[The Astronomical Journal \(1849 to date\)](#)

[The Astrophysical Journal \(1996 to date\)](#)

[The Astrophysical Journal Letters \(1995-2009\)](#)

[The Astrophysical Journal Letters \(2010 to date\)](#)

[The Astrophysical Journal Supplement Series \(1996 to date\)](#)

B

[Biofabrication \(2009 to date\)](#)

[Bioinspiration & Biomimetics \(2006 to date\)](#)

L

[Laser Physics \(2013 to date\)](#)

[Journal of Physics: Condensed Matter \(1989 to date\)](#)

[Journal of Physics: Conference Series \(2004 to date\)](#)

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[Journal of Radiological Protection \(1988 to date\)](#)

[Journal of Scientific Instruments \(1923-1967\)](#)

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[Journal of Statistical Mechanics: Theory and Experiment \(2004 to date\)](#)

[Journal of The Electrochemical Society \(1902 to date\)](#)

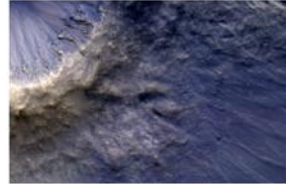
[Journal of the Society for Radiological Protection \(1981-1987\)](#)

[Journal of Turbulence \(2000-2004\)](#)

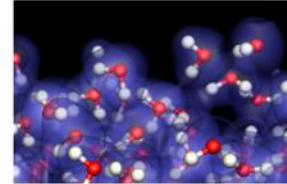


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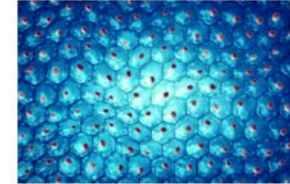
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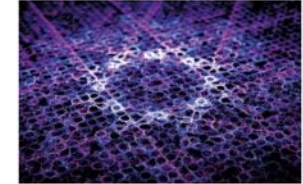
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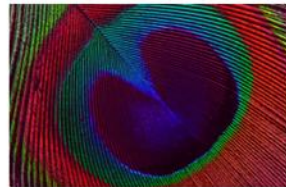
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Condensed matter



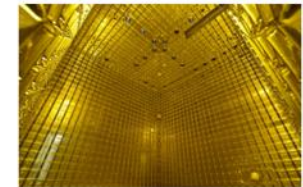
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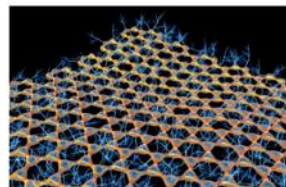
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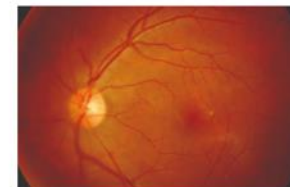
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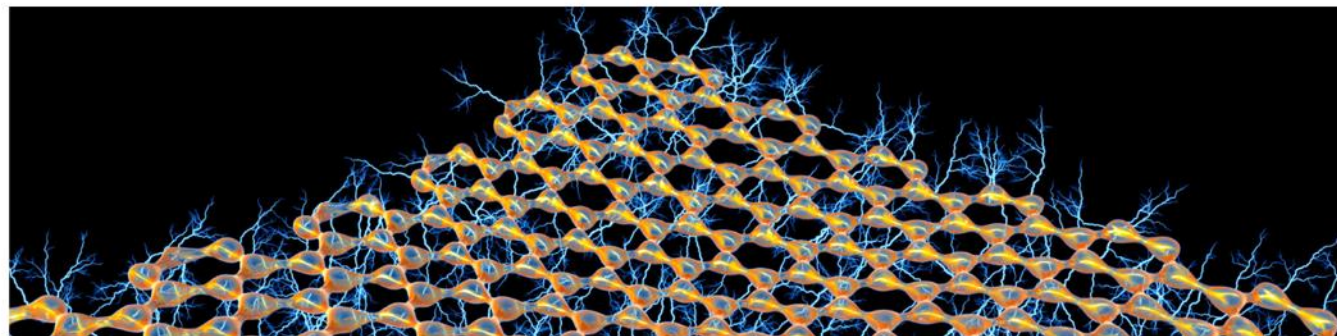


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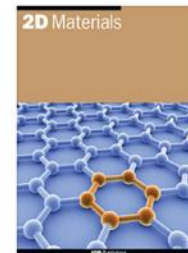
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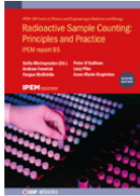
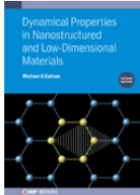



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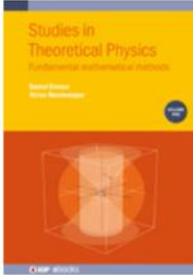
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The screenshot shows the 'Our Services' page on the IOP Publishing website. At the top left, the 'Editing' logo is highlighted with an orange box, featuring the text 'Powered by editage | 20 years' and 'publish & flourish'. To its right, a larger orange box contains the text: 'IOP Publishing works with Editage to offer a range of editing services for authors.' The website header includes a navigation menu with 'Services' (dropdown), 'IOP Journal Submission', and a blue 'Get Started' button. The main heading is 'Our Services', followed by a sub-heading 'English Editing'. A paragraph states: 'We offer expert professional editing with specialized teams for handling documents in Physics. With our comprehensive quality guarantee, you can be assured that you will receive edits of the highest quality to meet your publication needs. Our language editing options include:'. Three service cards are displayed: 'Premium Editing Plus' (with post-submission support), 'Premium Editing' (marked 'Most popular' with a red ribbon, for initial submission), and 'Advanced Editing' (for final check and proofread). Each card lists features with checkmarks and includes a 'View Sample' link at the bottom.

Editing
Powered by **editage** | 20 years
publish & flourish

IOP Publishing works with Editage to offer a range of editing services for authors.

Services ▾ IOP Journal Submission [Get Started](#)

Our Services

English Editing

We offer expert professional editing with specialized teams for handling documents in Physics. With our comprehensive quality guarantee, you can be assured that you will receive edits of the highest quality to meet your publication needs. Our language editing options include:

Premium Editing Plus

Publication-focused editing that includes post-submission editorial support

- ✓ Complete language check (grammar, terminology, and **journal formatting**)
- ✓ Extensive revisions (rephrasing and restructuring) + cover letter
- ✓ Unlimited Q&A with the editor
- ✓ Free unlimited rounds of editing
- ✓ Journal response letter check
- ✓ Crosschecking revisions with reviewer comments
- ✓ Certificate of Editing

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Premium Editing

Publication-focused editing that makes your manuscript ready for initial submission

- ✓ Complete language check (grammar, terminology, and **journal formatting**)
- ✓ Extensive revisions (rephrasing and restructuring) + cover letter
- ✓ Unlimited Q&A with the editor
- ✓ Free unlimited rounds of editing
- ✓ Certificate of Editing

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Publishing support

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[Get Started](#)

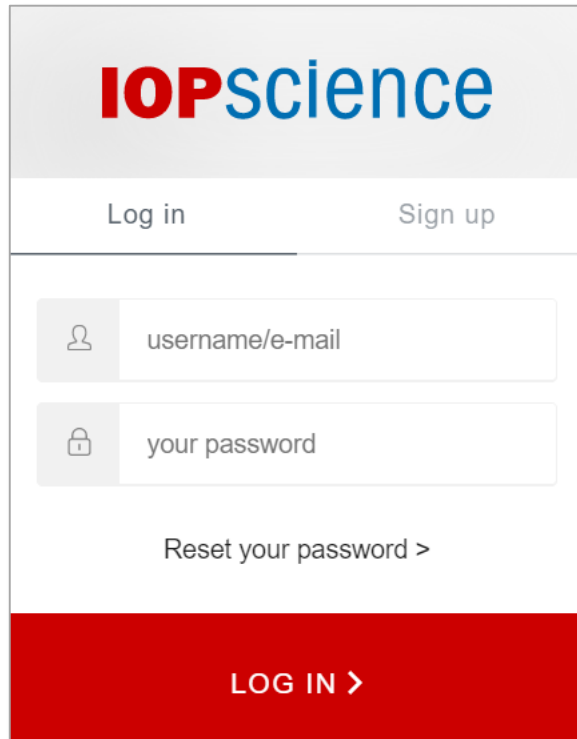


My IOPscience

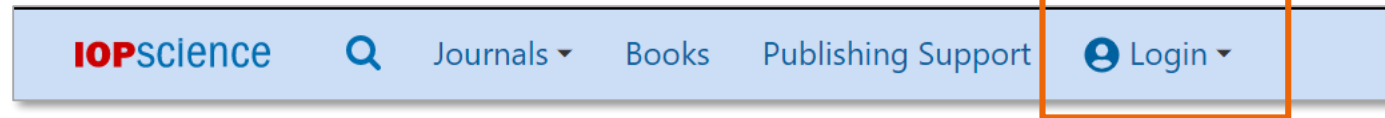
You can access your personal My IOPscience account via the **Login** option on the menu bar.

Having an account allows you to set up alerts and save your searches.

If you don't already have an account you can quickly create one or reset your password.



The screenshot shows the IOPscience login interface. At the top, the IOPscience logo is displayed. Below it, there are links for "Log in" and "Sign up". The main form contains two input fields: "username/e-mail" and "your password". A link for "Reset your password >" is located below the password field. At the bottom, there is a prominent red button labeled "LOG IN >".

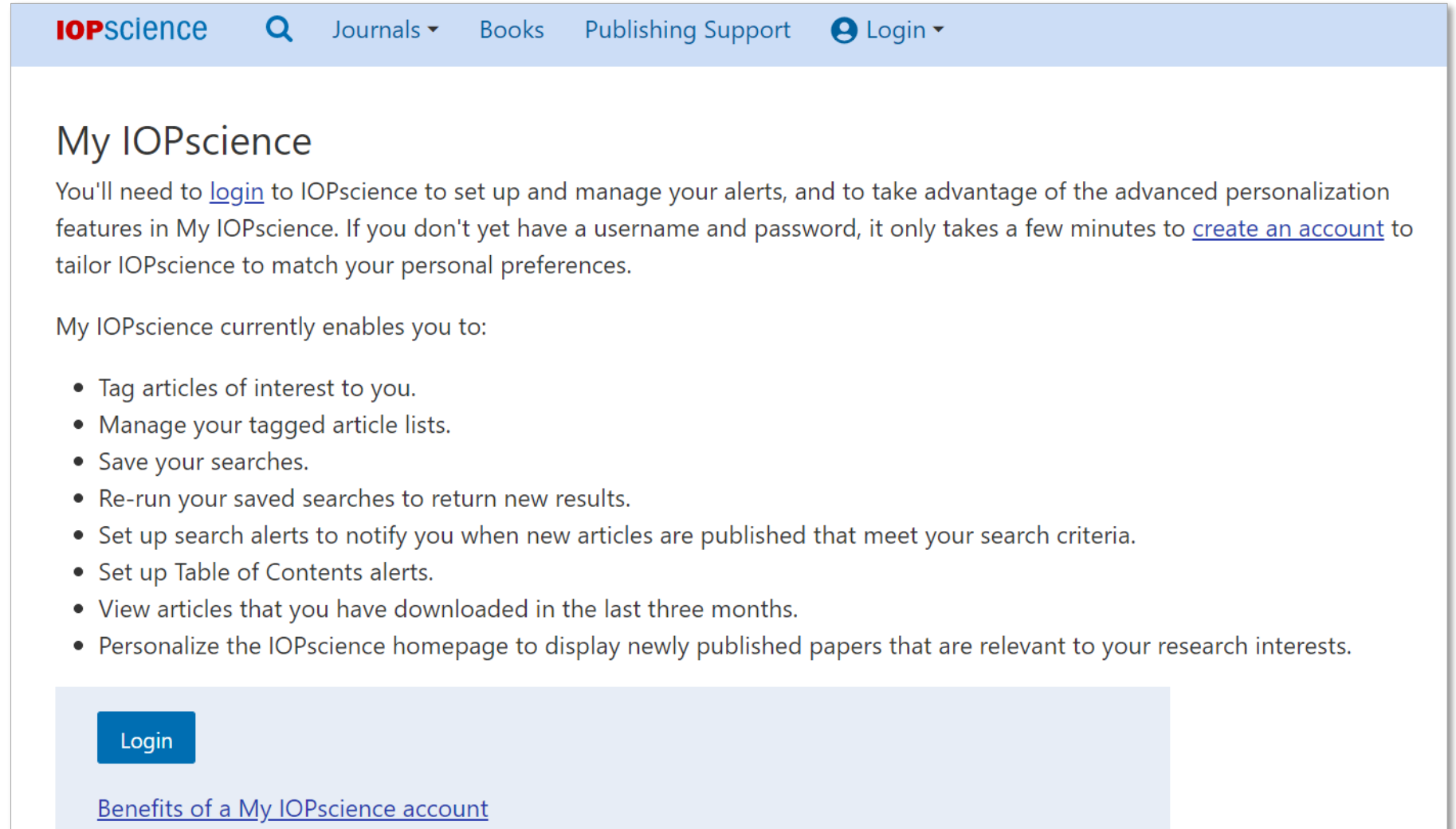


You can also use the **Login** menu to access IOPscience via Athens.



My IOPscience

A My IOPscience account has a range of benefits.



The screenshot shows the IOPscience website interface. At the top, there is a navigation bar with the IOPscience logo, a search icon, and links for Journals, Books, Publishing Support, and a Login button. The main content area is titled 'My IOPscience' and contains the following text: 'You'll need to [login](#) to IOPscience to set up and manage your alerts, and to take advantage of the advanced personalization features in My IOPscience. If you don't yet have a username and password, it only takes a few minutes to [create an account](#) to tailor IOPscience to match your personal preferences.'

My IOPscience currently enables you to:

- Tag articles of interest to you.
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- View articles that you have downloaded in the last three months.
- Personalize the IOPscience homepage to display newly published papers that are relevant to your research interests.

At the bottom of the page, there is a blue 'Login' button and a link to '[Benefits of a My IOPscience account](#)'.



Enhanced articles and multimedia

Many articles include enhancements and multimedia options.

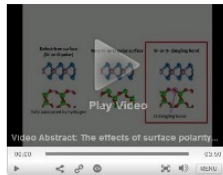
Video abstracts

Video abstracts are a feature aimed at further increasing the visibility of our authors and their work, and enable authors to now go beyond the constraints of the written article to convey their research to readers.



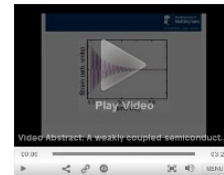
The search for Bose-Einstein condensation of excitons in Cu₂O: exciton-Auger recombination versus biexciton formation

James P Wolfe and Joon I Jang 2014
New J. Phys. **16** 123048



The effects of surface polarity and dangling bonds on the electronic properties of monolayer and bilayer MoS₂ on-quartz

Ha-Jun Sung *et al* 2014 *New J. Phys.* **16** 113055



A weakly coupled semiconductor superlattice as a harmonic hypersonic-electrical transducer

C L Poyser *et al* 2015 *New J. Phys.* **17** 083064

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Both special and regular papers that demonstrate progress and trends in a specific area of interest.

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Nanotechnology

The bactericidal effect of silver nanoparticles

Jose Ruben Morones¹, Jose Luis Elechiguerra¹, Alejandra Camacho², Katherine Holt³, Juan B Kouri⁴, Jose Tapia Ramirez⁵ and Miguel Jose Yacaman^{1,2}


Published 26 August 2005 • IOP Publishing Ltd
[Nanotechnology, Volume 16, Number 10](#)

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 The bactericidal effect of silver nanoparticles

Publication Article in *Nanotechnology*, published October 2005 [View on publisher site](#)

Authors Jose Ruben Morones, Jose Luis Elechiguerra, Alejandra Camacho, Katherine Holt, Juan B Kouri, Jose... [\[show more \]](#)
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Summary Citations Citing research categories

 This is the public page for a publication record in Dimensions, a free research insights platform that brings together information about funding, scholarly outputs, policy, patents and grants.

This publication in *Nanotechnology* has been cited **3,356 times**. 21% of its citations have been received in the past two years, which is **higher than you might expect**, suggesting that it is currently receiving a lot of interest.

Compared to other publications in the same field, **this publication is extremely highly cited** and has received approximately **468 times more citations** than average.

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 3.4k Citations	 714 Recent citations
 468.93 Field Citation Ratio	 59.51 Relative Citation Ratio



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Environmental Research Letters

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The climate mitigation gap: education and government recommendations miss the most effective individual actions

Seth Wynes^{1,2,3} and Kimberly A Nicholas¹

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Hover on the altmetric badge to see a summary of mentions, or click on the badge to see the breakdown of the attention score in more detail.

SUMMARY News Blogs Policy documents Twitter Facebook Wikipedia

So far, Altmetric has seen 281 news stories from 171 outlets.

Showing items 1-100

Reader's digest 17 Things You're Probably Blaming on Millennials—But Shouldn't
Reader's Digest, 29 Oct 2019
View as slideshow You'd think millennials were responsible for everything! Here's why the most annoying recent trends aren't...

BBC NEWS The couples rethinking kids because of climate change
BBC News, 30 Sep 2019
Brandalyn Bickner grew up convinced she would become the mother of 13 children.

infobae Cómo ayudar a detener el cambio climático con 10 "eco retos" cotidianos
infobae, 20 Sep 2019
Olas de calor, derretimiento de los glaciares, inundaciones, sequías: el cambio climático es un fenómeno irreversible que tiene...

YAHOO! NEWS Planes, trains and automobiles - which is the most sustainable way to travel?
Yahoo! News, 20 Sep 2019
This year, the 16-year-old Swedish climate activist Greta Thunberg travelled across Europe by train before setting sail in a...



Publishing partners

More information about our publishing partnerships is available on the **Publishing partners** tab of the **Journals** page.

You can see which journals are published in association with each organisation or link directly to each partner's website.

The screenshot shows the 'Journals' page with the 'Publishing partners' tab selected. Below the tabs is a navigation bar with 'All' selected and letters A through L. The main content area lists journals under the letter 'A':

- American Astronomical Society** (with external link icon) - Research Notes of the AAS
- The Astronomical Journal
- The Astrophysical Journal
- The Astrophysical Journal Letters
- The Astrophysical Journal Supplement Series
- The Planetary Science Journal
- Astro Ltd** (with external link icon) - Laser Physics
- Laser Physics Letters
- Astronomical Society of the Pacific** (with external link icon) - Publications of the Astronomical Society of the Pacific

Below the letter 'A' section, the letter 'B' is visible, with the following journal listed:

- Bureau International des Poids et Mesures** (with external link icon) - Metrologia



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