

Your guide to
IOPscienceTM



IOPscience homepage

Use the bar at the top of the [homepage](#) to access the **Journals** menu, the **Books** homepage, **Publishing Support**, My IOPscience via the **Login** option or simply type in the **Search** Bar with a keyword of your choice to get started.

The screenshot shows the IOPscience homepage. At the top, there is a navigation bar with the IOPscience logo on the left and links for Journals, Books, Publishing Support, and Login. A search bar is located on the right side of the navigation bar. The main content area is divided into three columns. The left column contains a welcome message and links to learn more about IOPscience, IOP Publishing, and IOPcorporate. The middle column features a section for 'Latest news and articles' with a featured article about 'Journal Impact Factor growth for IOP Publishing journals' dated 28 June 2018. The right column contains 'Customer services' and 'Librarians' sections. A pop-out menu is overlaid on the page, showing the 'Journals' menu with options: Journals list, IOPselect, Review articles, Subject collections, Publishing partners, IOP Conference Series, IOPcorporate, and Open access. A blue box at the bottom right contains the text: 'Use the pop-out Journals menu to access more information.'

IOPscience Journals Books Publishing Support Login Search IOPscience content Search Article Lookup

Welcome to IOPscience, the home of scientific content from IOP Publishing and our partners.

Find out more about [IOPscience](#), [IOP Publishing](#) and [IOPcorporate](#).

Latest news and articles

Journal Impact Factor growth for IOP Publishing journals
28 June 2018

Customer services
Please e-mail us at custserv@iop.org with your questions, comments or suggestions.

Librarians
Visit librarians.iop.org, our dedicated home for librarians.

Journals Books Publishing Support Login Search

Journals list
Browse more than 70 science journal titles

IOPselect
Articles from the past year selected by our editors

Review articles
The latest review articles from our journals

Subject collections
Read the very best research published in IOP journals

Publishing partners
Partner organisations and publications

IOP Conference Series
Read open access proceedings from science conferences worldwide

IOPcorporate
IOP for R&D
Science fueling innovation

Open access
IOP Publishing open access policy guide

IOP ebooks
The society book publisher in physics

IOP latinoamérica
IOP Publishing, premier content for a global market

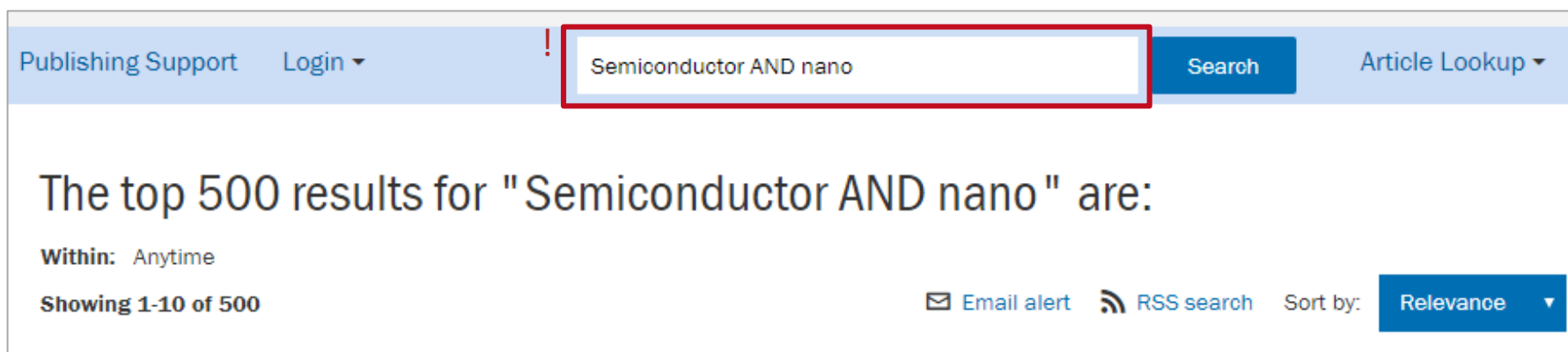
Use the pop-out **Journals** menu to access more information.

Searching for content



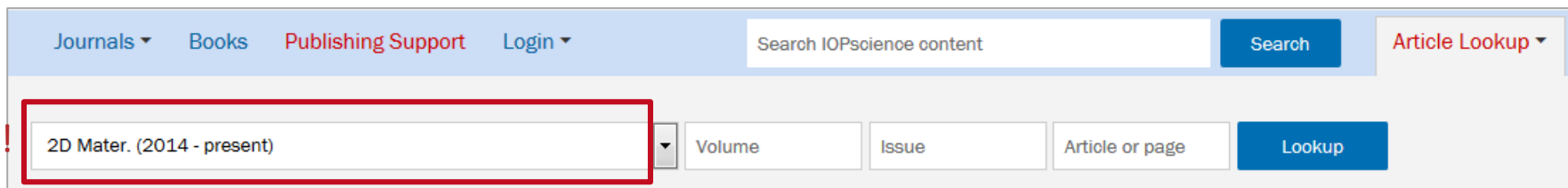
The screenshot shows the top navigation bar of the IOPscience website. On the left, there are links for 'IOPscience', 'Journals', 'Books', 'Publishing Support', and 'Login'. On the right, there is a search bar with the placeholder text 'Search IOPscience content', a blue 'Search' button, and an 'Article Lookup' dropdown menu. A red box highlights the search bar.

Any keyword can be entered into the search bar at the top of the homepage.



The screenshot shows the search results page for the query 'Semiconductor AND nano'. The search bar at the top contains the query and is highlighted with a red box. Below the search bar, the text reads 'The top 500 results for "Semiconductor AND nano" are:'. Underneath, there are filters for 'Within: Anytime' and 'Showing 1-10 of 500'. On the right side, there are options for 'Email alert', 'RSS search', and 'Sort by: Relevance'.

You can also run a BOOLEAN search using 'AND', 'OR', 'NOT'.



The screenshot shows the article lookup interface. At the top, there is a search bar with the placeholder text 'Search IOPscience content' and a blue 'Search' button. Below the search bar, there is a dropdown menu with the selected option '2D Mater. (2014 - present)', which is highlighted with a red box. To the right of the dropdown menu are three input fields for 'Volume', 'Issue', and 'Article or page', followed by a blue 'Lookup' button.

You can use the article **Lookup** option to search for specific papers within a journal.

Searching for content

Refine your search

Apply filters

Clear filters

+ Date published

+ Journals

+ Authors

+ Publication type

+ Open access

You can apply multiple filters to narrow down your results:

- date published
- journal title
- author and type

You can also opt to display only open access content.

The top 500 results for "Nanotechnology" are:

Within: Anytime

Showing 1-10 of 500

Email alert

RSS search

Sort by:

Relevance

JOURNAL ARTICLE

What is Nanotechnology?

2003 *Nanotechnology* **14** <https://doi.org/10.1088/0957-4484/14/1/001>

+ View abstract

View article

JOURNAL ARTICLE

OPEN ACCESS

Formation of elements of integrated acousto-optic cell based on LiNbO₃ films by methods of nanotechnology

O A Ageev, E G Zamburg, A S Kolomyitsev, D O Suchkov, I A Shipulin and A V Shumov

2015 *J. Phys.: Conf. Ser.* **643** 012031 <https://doi.org/10.1088/1742-6596/643/1/012031>

+ View abstract

View article

PDF

JOURNAL ARTICLE

Scenario planning and nanotechnological futures

Darryl Farber and Akhlesh Lakhtakia

2009 *Eur. J. Phys.* **30** S3 <https://doi.org/10.1088/0143-0807/30/4/S02>

+ View abstract

View article

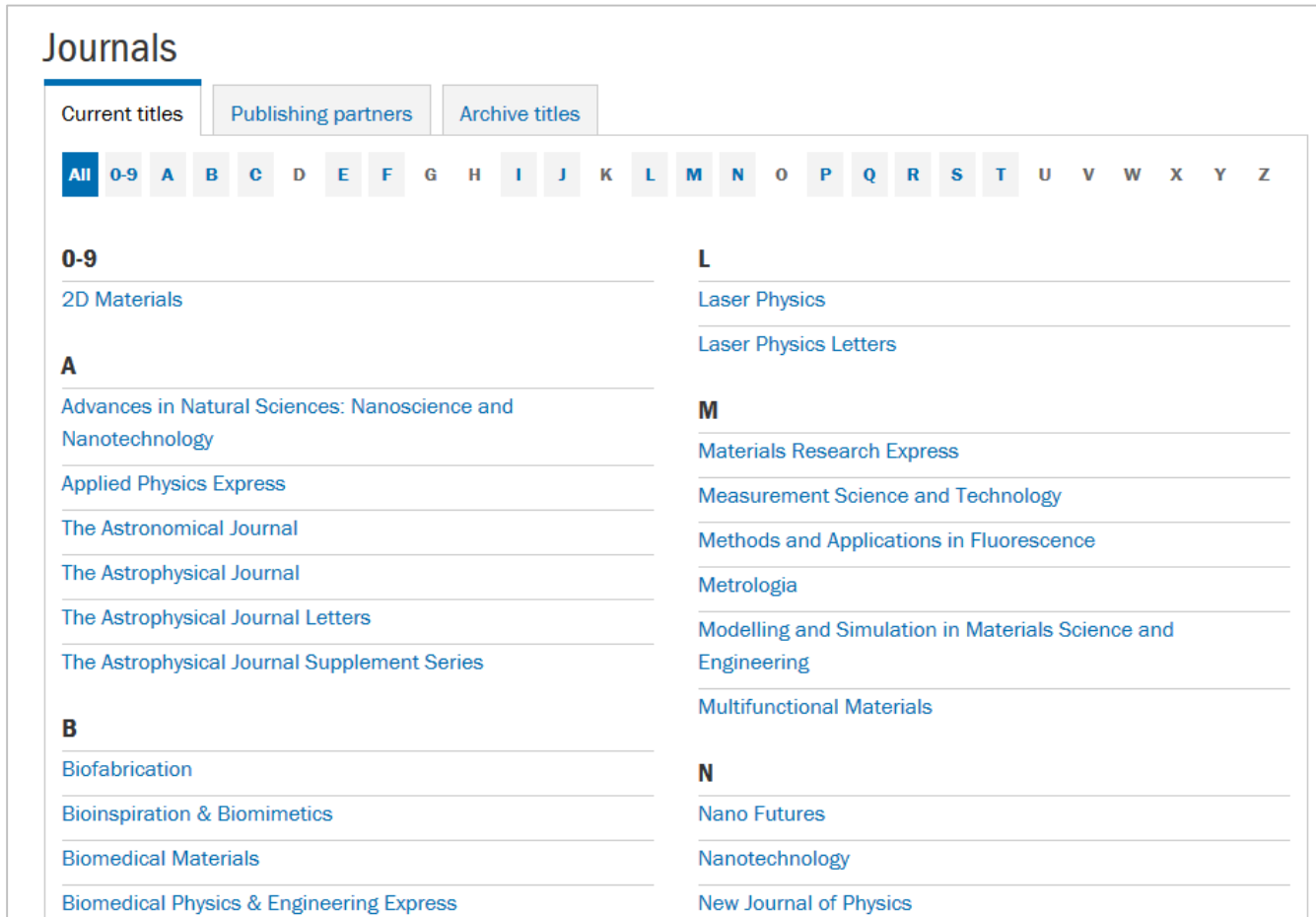
PDF

Results can be sorted by relevance, latest and oldest.

Full journal list

Discover the full range of IOP content

Every journal can be accessed via the **Current titles** list. You can also view the list by **Publishing partners** or **Archive titles**.



The screenshot shows the 'Journals' page on the IOP website. At the top, there are three tabs: 'Current titles' (selected), 'Publishing partners', and 'Archive titles'. Below the tabs is a navigation bar with buttons for 'All', '0-9', and letters 'A' through 'Z'. The main content area is divided into two columns. The left column lists journals under the categories '0-9', 'A', and 'B'. The right column lists journals under the categories 'L', 'M', and 'N'. Each journal title is a blue hyperlink.

Category	Journal Title
0-9	2D Materials
A	Advances in Natural Sciences: Nanoscience and Nanotechnology
A	Applied Physics Express
A	The Astronomical Journal
A	The Astrophysical Journal
A	The Astrophysical Journal Letters
A	The Astrophysical Journal Supplement Series
B	Biofabrication
B	Bioinspiration & Biomimetics
B	Biomedical Materials
B	Biomedical Physics & Engineering Express
L	Laser Physics
L	Laser Physics Letters
M	Materials Research Express
M	Measurement Science and Technology
M	Methods and Applications in Fluorescence
M	Metrologia
M	Modelling and Simulation in Materials Science and Engineering
M	Multifunctional Materials
N	Nano Futures
N	Nanotechnology
N	New Journal of Physics

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.

You can also find the links you need to submit your own article, sign up for journal notifications and view all of the journals' accepted manuscripts.

This journal is concerned with all aspects of applied physics research, from biophysics, magnetism, plasmas and semiconductors to the structure and properties of matter.

Submit an article | **Track my article**

2017 IMPACT FACTOR **2.373** | AVERAGE TIME TO FIRST DECISION **40 days**

Current volume: Number 21, 22 May 2019 [Go]

Journal archive: Vol 52, 2019 [Go]

RSS feed | Sign up for new issue notifications

JOURNAL LINKS

- Journal home
- Scope
- Editorial board
- Advisory panel
- Abstracted in
- Author benefits
- Letters
- Physics of renewable energy and sustainability Section

On the right of every homepage there are quick links to **Special/Focus issues, Highlights, Scope, Editorial board** and other key information. You can also directly submit your own research.

1 Editorial assessment

2 Review

3 Revisions

4 Acceptance

5 Production

6 Published

Track the progress of your article

By entering your manuscript ID you will be able to see the progress of your manuscript, how long it will typically take in that stage and what you need to do next.

Typically manuscript IDs take the form:

- NANO-123456

The first part is an alpha-numeric code representing the journal name and the second part is a unique 6 digit number. If you don't know your manuscript ID check your email for the acknowledgement of your submission.

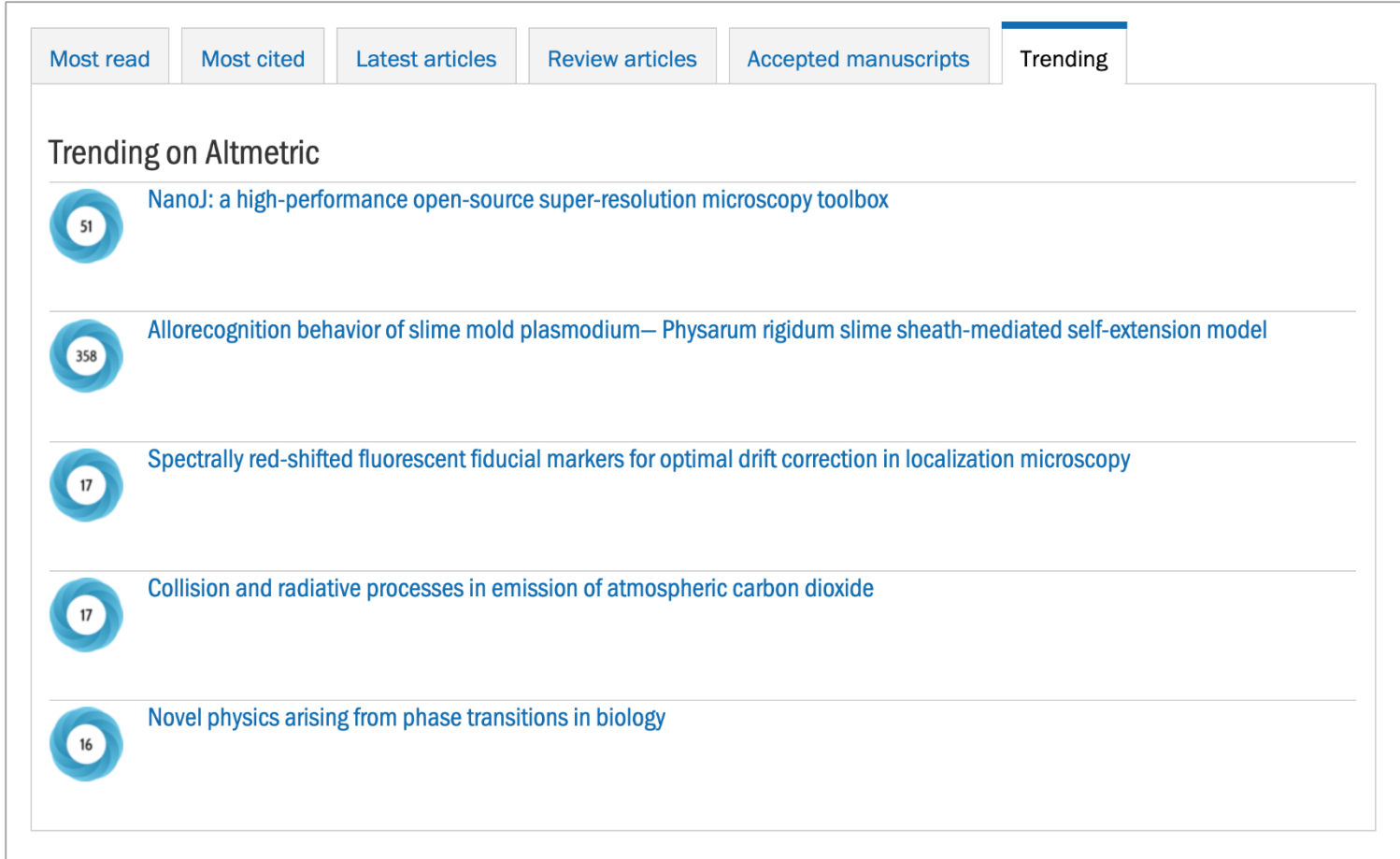
TRACK YOUR ARTICLE

Enter your manuscript ID e.g. NANO-123456 [Submit]

You can now track your article directly from the journal homepage. Enter your manuscript ID to view the current status of your submission and any steps you may need to take.

Journal pages

At the bottom of each journal homepage you can quickly access the **Most read**, **Most cited** and latest articles from that journal. You can also see **Review articles** if these are available and articles trending on **Altmetric**.



The screenshot displays a navigation menu at the top with six tabs: 'Most read', 'Most cited', 'Latest articles', 'Review articles', 'Accepted manuscripts', and 'Trending'. The 'Trending' tab is currently selected. Below the navigation menu, the section is titled 'Trending on Altmetric'. It lists five articles, each with a circular icon containing a number representing its Altmetric score. The articles are:

- NanoJ: a high-performance open-source super-resolution microscopy toolbox (51)
- Allorecognition behavior of slime mold plasmodium— Physarum rigidum slime sheath-mediated self-extension model (358)
- Spectrally red-shifted fluorescent fiducial markers for optimal drift correction in localization microscopy (17)
- Collision and radiative processes in emission of atmospheric carbon dioxide (17)
- Novel physics arising from phase transitions in biology (16)

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.

Click on the **Article information** tab to view:

- Author affiliations
- Publication dates
- Citation data
- Categories and keyword annotations
- Links to create citation alerts, issue notifications, submit feedback or purchase the article in print.

Journal of Physics A: Mathematical and Theoretical

FAST TRACK COMMUNICATION

Can apparent superluminal neutrino speeds be explained as ...

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Figures References

Article information

Abstract

Probably not.

Export citation and abstract

BibTeX RIS

Get instant statistics on citations, downloads and social media impact.

Article pages

When you view a specific article page you will have one of two options:

- If you have access to the article (via an individual subscription or personal purchase) you will be able to download the full PDF.
- If you do not have access, a page will be generated explaining that you do not currently have permission to view the article and explaining your options for gaining access.

If you enjoy the article you can check out a selection of related content from the column on the right.

Journal of Physics A: Mathematical and Theoretical

FAST TRACK COMMUNICATION

Can apparent superluminal neutrino speeds be explained as a quantum weak measurement?

M V Berry¹, N Brunner¹, S Popescu¹
Published 11 November 2011 • 20110201
Journal of Physics A: Mathematical and Theoretical

Article PDF

Figures ▾ References ▾

+ Article information

Abstract
Probably not.

Export citation and abstract [BibTeX](#) [RIS](#)

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Abstract

References

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Related content

JOURNAL ARTICLES

[Superluminal velocity through near-maximal neutrino oscillations or by being off shell](#)

[Quantum Decoherence of Neutrino Oscillation and Weak Measurement about Its Group Velocity](#)

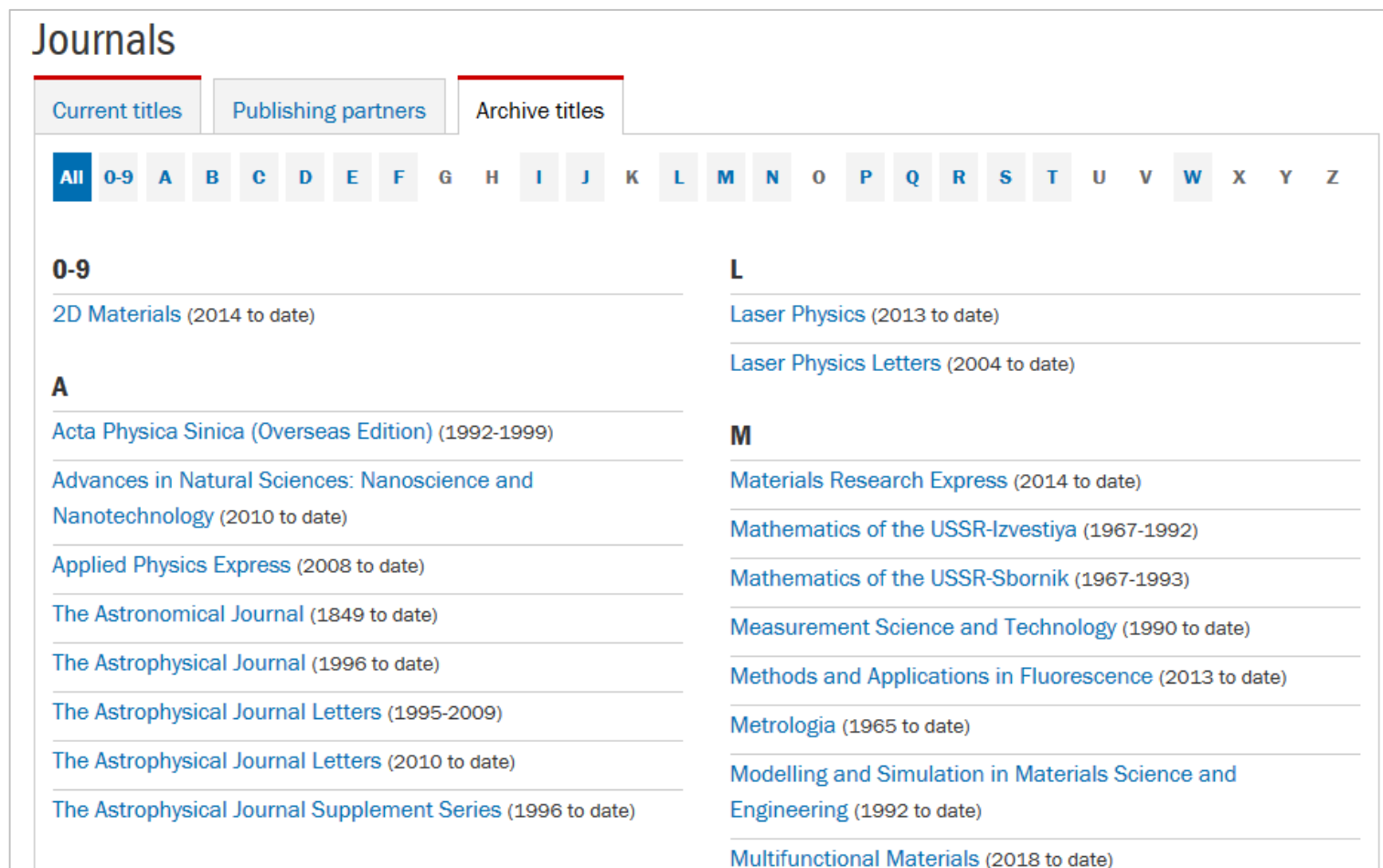
[A strange weak value in spontaneous pair productions via a supercritical step potential](#)

[Causality violation in \$e^+e^-\$ pair production by superluminal neutrinos](#)

Check out relevant articles.

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.



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)

L

- [Laser Physics](#) (2013 to date)
- [Laser Physics Letters](#) (2004 to date)

M

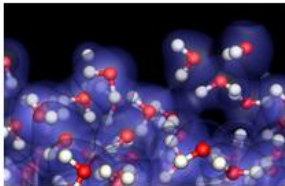
- [Materials Research Express](#) (2014 to date)
- [Mathematics of the USSR-Izvestiya](#) (1967-1992)
- [Mathematics of the USSR-Sbornik](#) (1967-1993)
- [Measurement Science and Technology](#) (1990 to date)
- [Methods and Applications in Fluorescence](#) (2013 to date)
- [Metrologia](#) (1965 to date)
- [Modelling and Simulation in Materials Science and Engineering](#) (1992 to date)
- [Multifunctional Materials](#) (2018 to date)

Subject collections

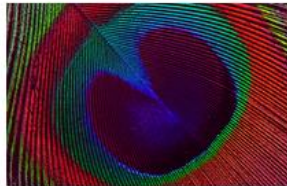
IOP Subject collections are your gateway to all of the content that IOP offers in a particular field across journals, books, conference proceedings and our flagship magazine, *Physics World*.

Subject collections

Discover the latest research published in your subject area from across our portfolio of leading journals, an award-winning digital book programme, conference proceedings and expert science journalism.



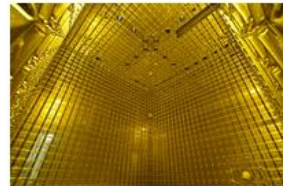
Atomic and molecular physics



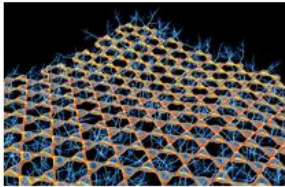
Education



Environment and energy



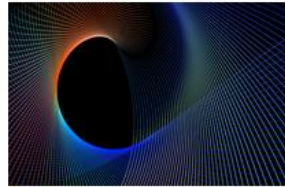
Instrumentation and measurement



Materials



Mathematics and computation



Optics and photonics



Particle and nuclear physics



Plasmas

There are currently nine dedicated subject collections but keep an eye out for more collections as they are added.

Subject collections

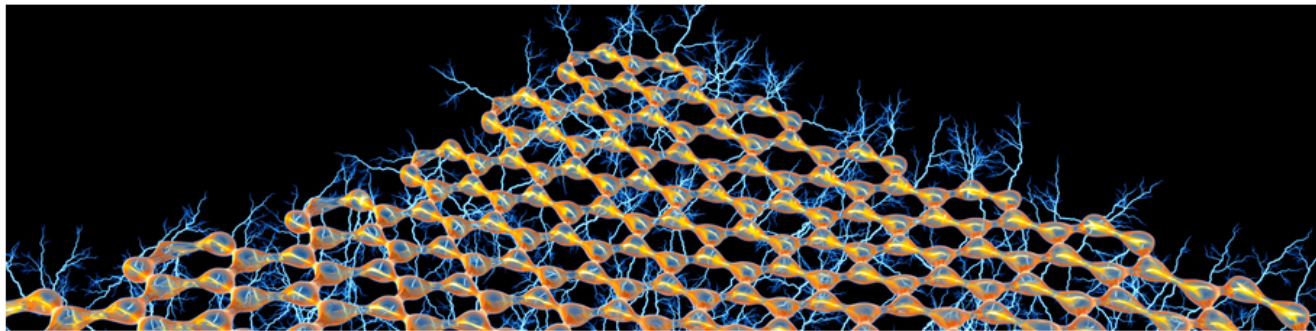


Image credit: Alfred Pasieka/Science Photo Library

SUBJECT COLLECTIONS

Materials

Materials Review 2017/18



Materials science and technology continues to yield astounding discoveries and inventions, and we're proud to have captured many of the most important advances within our materials portfolio.

Extending to 20 journals, which publish more than 7000 articles every year, we're dedicated to providing the essential content covering all areas of materials science.

[Download the PDF](#)



2017 Materials highlights

[+ Show article list](#)

Electronic Structure™ - new for 2018

Now open for submissions, *Electronic Structure* is a new, multidisciplinary journal for the entire electronic structure community, bridging physics, chemistry, materials science, and biology

All papers published in the first volume of the journal will be **free to read** throughout 2018.

Each subject collection page gives you a clear overview of recent developments in a particular field, such as:

- new journal launches
- special materials
- the latest highlights
- quick access to the most relevant journals, books and other media.

[Solvent-free optical recording of structural colours on pre-imprinted photocrosslinkable nanostructures](#)

Books

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The ebooks homepage is a great starting point for discovering IOP's extensive range of monographs, studies, introductory texts, analyses, reference guides and teaching aids.

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The Integrated Electro-Mechanical Drive
Authors B T Fijalkowski and J Tutaj
Published February 2019
[PDF book](#) [ePub book](#)
[Kindle book](#)
[+ Open description](#)

Concepts and Applications of Nonlinear Terahertz Spectroscopy
Authors Thomas Elsaesser, Klaus Reimann and Michael Woerner
Published February 2019
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Atomic Physics
Author Paul Ewart
Published February 2019
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Magnetically Confined Fusion Plasma Physics
Author Linjin Zheng
Published February 2019
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Gas-Phase Chemistry in Space
Editors François Lique and Alexandre Faure
Published February 2019
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[Kindle book](#)
[+ Open description](#)

Special and General Relativity
Author Rainer Dick
Published February 2019
[PDF book](#) [ePub book](#)
[Kindle book](#)
[+ Open description](#)

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ALPSP Awards for Innovation in Publishing 2014

Nominated in

INTERNATIONAL EXCELLENCE AWARDS 2015
2015 SHORTLIST
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Publishing support

If you are an author, reviewer or conference organiser, the **Publishing Support** area can offer you advice and help on a variety of topics including:

- Author guidelines, article tracking and author webinars
- Review guidelines
- Copyright, permissions, rights and policies
- Conference proceedings
- Editing

Welcome to Publishing Support

IOP Publishing | Services

Publishing Support provides free advice and guidelines to help you publish your research with IOP Publishing. With step-by-step guides, videos and frequently asked questions on everything from submission to publication and beyond, Publishing Support will guide you through every step of your journey as an author, reviewer or conference organiser.

Find out more further on in the Publishing Support section.

Information for

Authors Reviewers Conference Organisers

Author guidelines	1. Choosing the right journal for your work	>
Journals	2. Writing your journal article	>
Books	3. How to submit your journal article	>
Conferences	4. The review process on our journals	>
IOP Editing	5. Getting a first decision on your article	>
IOP Publishing Academy	6. Writing and submitting your revised article	>
	7. From acceptance through to article publication	>
	8. After publication of your article	>

Manuscript ID e.g. NANO-1234 Submit

Track your article

By entering your manuscript ID in the search box above, you will be able to see the progress of your manuscript, how long it will typically take in that stage and what you need to do next.

Publishing support

The **Authors** menu gives you access to vital information on all aspects of publishing your journal paper, ebook or conference proceedings with IOP.

Authors	Reviewers	Conference Organisers
		Article transfer service
		Open Access at IOP Publishing
		Open Access options for authors
		Author rights policies
		Copyright
		Permissions
		Ethical policy for journals
		LaTeX article template

For journal authors wanting to find out more, you can access the key information you need on article transfers, Open Access, copyright, permissions and more. You can also find out how to contact your journal of interest.

If you are a reviewer you can view referee guidelines and advice on ethics via the **Reviewers** menu.

Authors	Reviewers	Conference Organisers
	Reviewer guidelines for IOP journals	
	IOP Publishing Reviewer Awards	
	Reviewer recognition with Publons	
	Ethics for reviewers	
	Contact your journal	

For reviewers wanting to find out more, you can access the key information you need on the peer review process and the part you play, reviewer recognition and ethics in peer review. You can also find out how to contact our journal teams if you need further support.

The **Conference Organisers** menu gives you a general overview of the *IOP Conference Series* along with further information including permissions, policy and licensing.

Authors	Reviewers	Conference Organisers
		Choosing your publisher and publication
		IOP Conference Series publication procedure
		Peer review policy
		Proceedings policy on Impact Factors
		Where are Conference Proceedings abstracted
		Contact us

The open access IOP Conference Series provides a fast, versatile and cost-effective proceedings publication service for your conference. Key publishing subject areas include: physics, materials science, environmental science, bioscience, engineering, computational science and mathematics.

Publishing support

Under the Authors menu you can find a link to the IOP Publishing Academy page. The Academy offers international workshops, webinars and online training to help authors successfully publish their research.

IOP Publishing | Academy

The Academy consists of workshops, webinars and online training materials covering various aspects of publishing in journals including:

- Choosing your journal
- Writing your paper
- Peer review process
- Post-acceptance
- Post-publication
- Publication ethics
- Open Access
- Introduction to reviewing



Image : "How to get Published" workshop at Alexandria University, Egypt

We are always looking for ways to engage with researchers and guide you through the sometimes complex world of academic publishing. Our Publishing Academy is a collection of [educational resources](#) and [events](#) that will help early career researchers in particular.

Programme of Academy workshops

We regularly host workshops on "How to get published" at institutions around the world, or as webinars. By attending one of these workshops you will learn more about how to choose a journal, how to prepare your paper, the peer-review process, ethical issues and what to do once you've published. Here is some feedback we received from recent workshops we hosted:

Publishing support

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

The screenshot displays the IOP Publishing website's editing services page. At the top left, the logo for 'IOP | editing powered by editage' is highlighted with a red box. The navigation bar includes links for 'English Language Editing', 'Quality Guarantee', 'Editors', 'Training Events', and a 'Place order' button. The main content area features a central graphic of an open book with a laptop, surrounded by six service icons: a pencil for 'Publication-focused editing and support services', a magnifying glass for 'Specialists in English language translation with editing', a document with a checkmark for 'Plagiarism check and iThenticate assessment', a person with a checkmark for 'High-quality editing standards and delivery guarantee', a gear for 'Rapid technical and scientific review', and a document with a checkmark for 'Artwork preparation and journal-specific formatting'. A blue button labeled 'Get pricing information' is positioned to the left of the central graphic. Below this, a paragraph states: 'IOP Editing Services, in partnership with Editage, offers English language editing and translation services to researchers worldwide. 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 packages are listed in columns: 'Premium Editing Plus' (with post-submission support), 'Premium Editing' (marked 'Most popular'), and 'Advanced Editing' (with a 60% discount on re-editing). Each package includes a list of features such as complete language checks, extensive revisions, unlimited Q&A, and free unlimited rounds of editing.

IOP | editing
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- Plagiarism check and iThenticate assessment
- High-quality editing standards and delivery guarantee
- Rapid technical and scientific review
- Artwork preparation and journal-specific formatting

IOP Editing Services, in partnership with Editage, offers English language editing and translation services to researchers worldwide.

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

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

Advanced Editing

For well-organized academic and non-academic documents that require a final check and proofread

- ✓ Complete language check (grammar, terminology, and **journal formatting**)
- ✓ **Unlimited Q&A with the editor**
- ✓ 60% discount on re-editing

Other Services We Offer

Translation Services

Rapid Technical Review

Artwork Preparation

Plagiarism Check

Translation with Editing

Don't get lost in translation! Our academic translators and editors offer subject-specific expertise and superior editing skills to ensure that your manuscript accurately conveys every nuance of your research in perfect scientific English to a global audience. Our aim is simple: deliver a manuscript that journal editors, reviewers and readers find indistinguishable from those written by native English speakers.

We offer subject-specific translation with English Editing for the following language pairs.

- Traditional and Simplified Chinese to English
- Japanese to English
- Spanish to English
- Brazilian Portuguese to English
- Korean to English
- Turkish to English



Scroll down the homepage to view the range of additional services Editage can provide.

If you would like help translating your research, this is offered in a variety of languages.

My IOPscience

You can access your personal My IOPscience account via the **Login** option on the menu bar. Having an account allows you to tag articles, set up alerts and save your searches. If you don't already have an account you can quickly create one or reset your password.

Login Search

Reset your password

If you have a user account, you will need to reset your password the next time you login. You will only need to do this once. [Find out more.](#)

IOPscience login / Sign Up

PLEASE NOTE:
You do not need to reset your password if you login via Athens or an Institutional login.

Athens / Institution login

IOPscience

Login Signup

SIGN UP >

Once you have verified your email and updated your details you can take advantage of all of the benefits of a My IOPscience account.

Choosing an option from the Login dropdown on the menu bar will take you to your personal My IOPscience dashboard

- Email alerts
- Saved searches
- Download history
- Tagged articles
- Order history
- Published Articles
- Edit account

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

My IOPscience

Tagged articles

Saved searches

E-mail alerts

Downloads

Order history

Published articles

All your tagged articles are listed below.

Select any tag to view all the articles you have labelled with that tag, or remove any articles you no longer want to keep tagged.

Enhanced articles and multimedia

Many articles include enhancements and multimedia options.

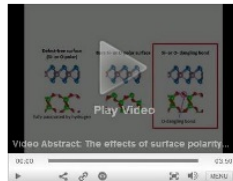
Video abstracts

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

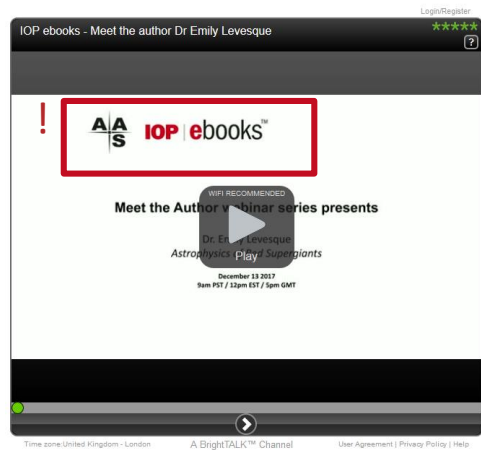


A weakly coupled semiconductor superlattice as a harmonic hypersonic-electrical transducer

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

Video abstracts enable authors to go beyond the constraints of the written article to personally explain the value of their work and enhance a reader's understanding.

To see which journals publish video abstracts, visit the author guidelines in the Publishing Support area:
<https://publishingsupport.iopscience.iop.org/video-abstracts>.



Some IOP ebooks feature an author webinar aimed at providing the reader with a chance to get to know the researcher and their work a little better. Each one is around 45 minutes and offers a deeper understanding of the book.

Visit <http://iopscience.iop.org/bookListInfo/author-webinars> to view the full series.

Special collections: features articles, review articles

The image shows two screenshots of the IOPcollections website. The top screenshot displays the 'Featured articles' section, which is highlighted with a red box and a callout box stating: 'Featured articles can be accessed by visiting IOPselect.' The bottom screenshot displays the 'Review articles' section, also highlighted with a red box and a callout box stating: 'Review articles can be accessed via the journal drop-down located on the main menu bar or by visiting IOPselect.' Both screenshots show search filters for journals and subjects, and a 'Go' button. The top screenshot shows a search result for 'Focused electrical stimulation using a single current source' from the *J. Neural Eng.* journal. The bottom screenshot shows a search result for 'Engineering approaches of smart, bio-inspired vesicles for biomedical applications' from the *Phys. Biol.* journal.

Featured articles (463)

Collection type: [IOPselect](#) [Featured articles](#) [Review articles](#) [RSS this search](#)

Recent articles of high-interest across journals

All Dates

Go

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Featured electrical stimulation using a single current source

P Senn, R K Shepherd and J B Fallon
2018 *J. Neural Eng.* **15** 056018

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Review articles (16283)

Collection type: [IOPselect](#) [Featured articles](#) [Review articles](#) [RSS this search](#)

Bringing together review articles including those from IOP's dedicated review journals in Physics.

Go

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Engineering approaches of smart, bio-inspired vesicles for biomedical applications

Tanishq Abraham, Michelle Mao and Cheemeng Tan
2018 *Phys. Biol.* **15** 061001

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Special collections: highlights

Many IOP journals have **Highlights** collections, which showcase some of the most significant papers published in that title during the previous year.

JOURNAL LINKS

[Journal home](#)

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[Editorial board](#)

[Abstracted in](#)

[Author benefits](#)

[Highlights of 2017](#)

Look out for **Highlights** collections in the right-hand column of each journal homepage.

Highlights of 2017



We are pleased to present the *Journal of Physics: Condensed Matter* Highlights of 2017. This collection includes outstanding articles published in the journal during 2017. These articles were selected on the basis of a range of criteria including referee endorsements, presentation of outstanding research and popularity with our online readership. We hope that this compilation provides a real flavour of the journal's scope and editorial standards.

The articles will be free to read until the end of December 2018.

I hope that you will enjoy the collection and will consider [submitting](#) your next paper or Letter to *Journal of Physics: Condensed Matter*.

Tom Sharp
Executive Editor
Journal of Physics : Condensed Matter



Surfaces and interfaces
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Soft matter, biophysics and liquids
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Physics of chemical processes
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Some larger journals will have highlights broken down into sub-categories.

Special collections: special issues, focus issues

Many IOP journals have special issues or focus issues bringing together papers on a particular topic.

Other special collections, which vary from journal to journal, include **Spotlights**, **Perspectives** and specific article types such as **Fast track communications** and letters.

Letters
Special issue collections
Topical reviews

Fast track communications
'Focus on' series
Spotlights
Perspectives

Look for a variety of special collection types in the right-hand column on each journal homepage.

Special issues/focus issues

Diverse collections of exclusive, invited articles in areas identified by the Editorial Board.

Spotlights

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

Perspectives

Commissioned commentaries authored by some of the leading researchers in physics, aimed at highlighting the significance and impact of research appearing in that particular journal.

Dimensions


Dimensions badges on individual articles indicate the number of times an article has been cited in other research.

Journal of Physics A: Mathematical and Theoretical


FAST TRACK COMMUNICATION

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Can apparent superluminal neutrino speeds be explained as a quantum weak measurement?

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Clicking on the **Dimensions** badge allows you to see more detail, including the most recent citations and citing research categories.


 The 2018 GaN power electronics roadmap

Publication Article in **Journal of Physics D Applied Physics**

Authors H Amano, Y Baines, E Beam, Matteo Borgia, T Bouchet, Paul R Chalker, M Charles, Kevin J Chen, ... [\[show more \]](#)

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Summary Citations Citing research categories


 Dimensions has found a total of **13** citations of this research output. The most recent **3** are shown below.

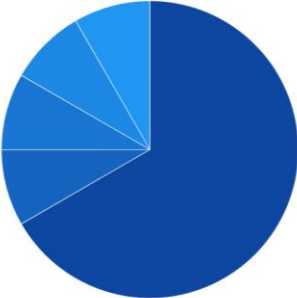
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Excellent potential of photo-electrochemical etching for fabricating high-aspect-ratio deep trench gallium nitride

Article in **Applied Physics Express**

Authors: Fumimasa Horikiri, Hiroshi Ohta, Naomi Asai, Yoshinobu Narita, Takehiro Yoshida, Tomoyoshi Mishima

 Research in one subject may be applicable to other areas. The visualization below shows which research fields may be finding this publication relevant, based on a single count of the subject areas of the publications citing this one.



Research Category (FOR code)	%
0912 Materials Engineering	66.67
0202 Atomic, Molecular, Nuclear, Particle and Plasma Physics	8.33
0205 Optical Physics	8.33
0306 Physical Chemistry (incl. Structural)	8.33
0906 Electrical and Electronic Engineering	8.33

Altmetrics

Altmetrics badges indicate the social-media impact and news coverage an article has received.


Journal of Physics A: Mathematical and Theoretical

FAST TRACK COMMUNICATION


Can apparent superluminal neutrino speeds be explained as a quantum weak measurement?

M V Berry¹, N Brunner¹, S Popescu¹ and P Shukla²

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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.

Can apparent superluminal neutrino speeds be explained as a quantum weak measurement?

Overview of attention for article published in journal of Physics: A Mathematical & Theoretical, November 2011



3712

About this Attention Score

In the top 5% of all research outputs scored by Altmetric

Mentioned by

- 2 news outlets
- 19 blogs
- 7202 tweeters
- 60 Facebook pages
- 1 Wikipedia page
- 156 Google+ users
- 3 Redditors

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SUMMARY News Blogs Twitter Facebook Wikipedia Google+ Reddit Misc Dimensions citation

Title Can apparent superluminal neutrino speeds be explained as a quantum weak measurement?

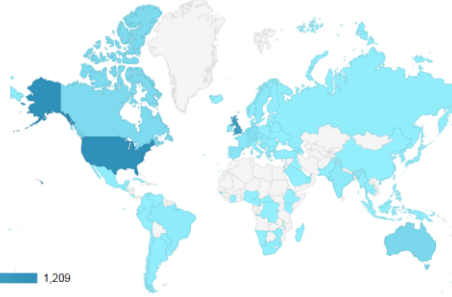
Published in Journal of Physics: A Mathematical & Theoretical, November 2011

DOI 10.1088/1751-8113/44/49/492001

Authors M V Berry, N Brunner, S Popescu, P Shukla, Berry, M V, M V Berry, N Brunner, S Popescu, P... [show]

TWITTER DEMOGRAPHICS MENDELEY READERS

The data shown below were collected from the profiles of 7,202 tweeters who shared this research output. Click here to find out more about how the information was



1 1,209

Geographical breakdown Demographic breakdown

IOP Conference Series

IOP Conference Series provides a fast and versatile publication service for conference proceedings. From this page you can view content and find out more as an author, organiser or reader.

The screenshot shows the IOP Conference Series website homepage. At the top, there is a navigation bar with the following links: Home, About Us, Authors, Organizers, IOPscience, and Search. A red button labeled "Get new quote" is positioned in the top right corner. Below the navigation bar is a large banner image featuring a colorful, abstract background of glowing circles and lines. On the right side of the banner, there is a circular logo celebrating "10 years of publishing proceedings".

The main content area is divided into two columns. The left column contains the following text:

The open access IOP Conference Series provides a fast, versatile and cost-effective proceedings publication service for your conference. Key publishing subject areas include: physics, materials science, environmental science, bioscience, engineering, computational science and mathematics.

We are celebrating the 10th anniversary of IOP Conference Series and, to mark this occasion, we have put together a collection of the most influential work to have been presented at recent conferences. We want to thank conference organizers, authors, referees and readers for working with us in the past ten years. [Browse the collection here.](#)

Below this text are three tabs: "View published volumes" (selected), "Forthcoming volumes", and "Testimonials". Under the "View published volumes" tab, there is a section titled "Browse our published proceedings" with the following text:

Volumes are published via [IOPscience](#). Through the following links you can view all published content for each proceedings title:

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[2018](#) / [2017](#) / [2016](#) / [2015](#) / [2014](#) / [2013](#) / [2012](#) / [2011](#) / [2010](#) / [2009](#) / [2008](#) / [2007](#) / [2006](#) / [2005](#) / [2004](#)
- [IOP Conference Series: Materials Science and Engineering \(MSE\)](#)
[2018](#) / [2017](#) / [2016](#) / [2015](#) / [2014](#) / [2013](#) / [2012](#) / [2011](#) / [2010](#) / [2009](#)
- [IOP Conference Series: Earth and Environmental Science \(EES\)](#)
[2018](#) / [2017](#) / [2016](#) / [2015](#) / [2014](#) / [2013](#) / [2012](#) / [2011](#) / [2010](#) / [2009](#) / [2008](#)

The right column features a "Search Conference Proceedings" button, a "Try it today" button, and a logo for "IOP ebooks" with the tagline "The society book publisher in physics".