

MANUAL DO USUÁRIO

IOPscienceTM

Welcome to IOPscience, the home of scientific content from IOP Publishing and our partners. **Últimas notícias e artigos**


Customer Services
Please e-mail us at customerservices@iopublishing.org with your questions, comments or suggestions.

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

Latest news from Physics World

RSS feed 



01 JAN 2025
International Year of Quantum Science and Technology: our celebrations begin with a look at quantum networks and sensors 


This podcast features quantum physicist Mete Atatüre of the University of Cambridge



01 JAN 2025
Solar wind squashed Uranus's magnetosphere during Voyager 2 flyby 

New data analysis reveals that some of our understanding of the ice giant Uranus may be false



30 DEC 2024
The 10 quirkiest stories from the world of physics in 2024 
We revisit the physics of papercuts, a

Latest news and articles

RSS feed 



09 DEC 2024
AI predicts that most of the world will see temperatures rise to 3C much faster than previously expected 

Three leading climate scientists have combined insights from 10 global climate models and, with the help of artificial...



25 NOV 2024
IOPP integrates GetFTR retraction and errata service on content platform to further improve research integrity 

IOP Publishing (IOPP) has introduced the Get Full Text Research (GetFTR) retraction and errata feature onto its content...



18 NOV 2024
7-year study reveals plastic

Página inicial do IOPscience

Featured journals

Periódicos em destaque

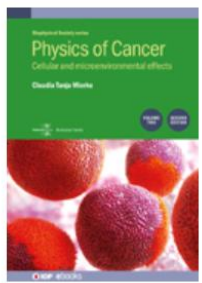
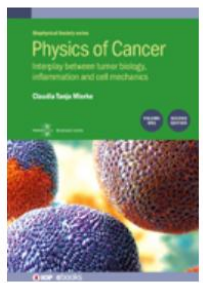
More than 70 science journals.



Latest books

Últimos livros publicados

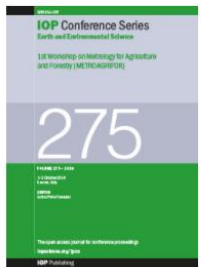
Born-digital essential physics books.



Conference series

Anais de palestras

Specialist proceeding publications.



Continue

Página inicial do IOPscience

Teremos sempre disponível, na parte inferior da página, um menu onde encontraremos links diretos para: Periódicos, Livros, Série de conferências, Sobre IOPscience, Contato, Acesso para países em desenvolvimento, Política de acesso aberto, Termos e condições, Política de mineração de texto e dados, bem como links para suporte à publicação.

IOPSCIENCE	IOP PUBLISHING	PUBLISHING SUPPORT
Journals	Copyright 2024 IOP Publishing	Authors
Books	Terms and Conditions	Reviewers
IOP Conference Series	Disclaimer	Conference Organisers
About IOPscience	Privacy and Cookie Policy	
Contact Us	Text and Data mining policy	
Developing countries access		
IOP Publishing open access policy		
Accessibility		

About IOPscience- Sobre IOPscience

Ao clicar no link About IOPscience, veremos um menu à direita (IOP Links) onde encontraremos tudo relacionado ao IOPscience, Política de Acesso Aberto, como acessar, etc.

About IOPscience

IOPscience is an online service for journal content published by [IOP Publishing](#). IOPscience embraces innovative technologies to make it easier for researchers to access scientific, technical and medical content.

What makes IOPscience different?

IOPscience has been designed to make it easy for researchers to discover relevant content and manage their research information.

With IOPscience you can:

- **Speed up your research:** find relevant content quickly with enhanced search filtering
- **Save time:** re-run previous searches, tagging your favorite articles
- **Keep up to date:** receive RSS feeds and email alerts when new content is published
- **Access more content:** view articles plus preprints and news
- **Interact and share:** embrace social bookmarking to share articles

ABOUT IOP LINKS

[About IOPscience](#)

[IOP Publishing open access policy](#)

[How to access IOPscience](#)

[Institutional login for remote access](#)

[Accessibility](#)

[STACKS](#)

[IOP Journal Archive](#)

[IOPscience extra](#)

[Tutorials](#)

[Setcor Conference Series](#)

Para ver os periódicos assinados e parte do IOPscience, basta clicar em Journals



IOPscience  **Journals** ▾ [Books](#) [Publishing Support](#) [Login](#) ▾

- Journals list**
Browse more than 100 science journal titles
- Open access**
IOP Publishing open access policy guide
- Subject collections**
Read the very best research published in IOP journals
- IOP Conference Series**
Read open access proceedings from science conferences worldwide
- Publishing partners**
Partner organisations and publications

Ao clicar em Periódicos (Journals), podemos encontrar os seguintes menus:

- **Lista de periódicos**
- **Acesso aberto**
- **Coleções por áreas**
- **IOP Conference Series (Anais de Palestras)**
 - **Periódicos por parceiro**

Journal List

Ao clicar em **Journal List** (lista de Periódicos), veremos todos os periódicos publicados pela IOP e parceiros editoriais. Os títulos são exibidos em ordem alfabética

Títulos por parceiro editorial

Filter Journals

Publishing Partner

- American Astronomical Society
- Astro Ltd
- Astronomical Society of the Pacific

[Show more](#)

Apply **Reset**

Títulos atuais

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

Archived titles

Arquivo, títulos por ano

Nota: os novos títulos adicionados à coleção devem ser negociados separadamente de acordo com as condições de sua licença

Ao clicar em **Open access** (acesso aberto), encontraremos a política de acesso aberto da IOP e tudo o que você deseja saber sobre ela.

Open access

[Home](#) > [Open access](#)

IOP Publishing endorses the goal of universal access to research in the physical sciences

Visit our [Open Physics](#) site to learn more about the ways we are supporting open access to enable wider and faster access to physical sciences research.

Open access options at IOP Publishing

IOP Publishing provides a range of options to enable authors to publish their work on an open access basis, with all of our journals ensuring the same high-standard of peer review and publication.

Many institutions and research funders have stated policies on open access and we advise authors check these before submitting an article. Information on policies at some institutions and funders can be found at [SHERPA Juliet](#) or [ROARMAP](#).

Transformative and institutional open access agreements

IOP Publishing has established agreements to enable authors from a variety of institutions to publish on an open access basis at no cost to themselves. Further details about these agreements can be found on our [transformative agreement hub](#).

You can use [IOPP Journal Finder](#) to see if you might be covered by a transformative agreement.

Gold open access

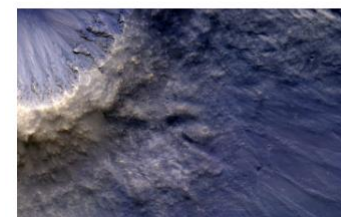
Authors can make their final published article immediately free to read and reuse by others in all of IOP Publishing's primary research journals and many of the journals we publish on behalf of our society partners.

Subject collections

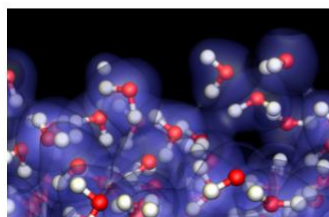
Ao clicar em **Coleções de assuntos**, (Coleções por área) veremos os artigos publicados em qualquer periódico que tratem desses tópicos específicos compilados por áreas temáticas.

Subject collections

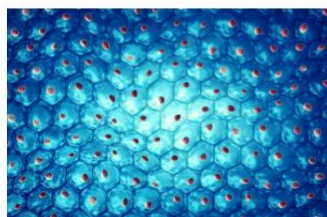
Discover the latest research published in your subject area from across our portfolio of leading journals, an award-winning digital book programme, conference proceedings and expert science journalism.



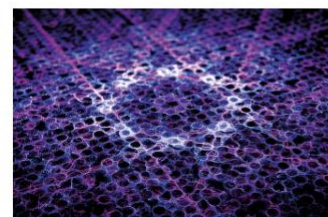
Astronomy and astrophysics



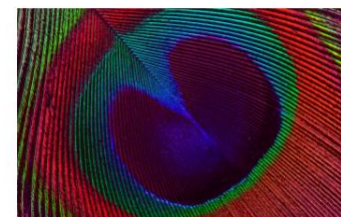
Atomic and molecular physics



Biomedical engineering



Condensed matter



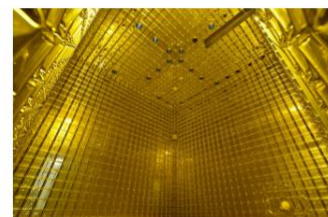
Education



Engineering



Environment and energy



Instrumentation and measurement

ABOUT IOP LINKS

[About IOPscience](#)

[IOP Publishing open access policy](#)

[How to access IOPscience](#)

[Institutional login for remote access](#)

[Accessibility](#)

[STACKS](#)

[IOP Journal Archive](#)

[IOPscience extra](#)

[Tutorials](#)

[Setcor Conference Series](#)

[Remote Access Guidelines](#)

[Google Scholar Access Test](#)

Ao clicar em **IOP Conference Series** (Anais de Palestras) iremos ver a página da IOP Conference Series, com todos os dados de interesse, desde os volumes publicados, a publicar, para obter uma cotação, etc...

Conference Series

Search conference journals

Filter by:

[All](#) [Journal of Physics](#) [Earth and Environmental Science](#) [Materials Science and Engineering](#)

MORE INFO

[Author guidelines](#)

[Publication procedure](#)

[Request quote](#)

[View forthcoming volumes](#)

[Contact us](#)



[Request a quote](#)

The end-to-end conference publishing and hosting solution

IOP Publishing is one of the world's largest conference proceedings publishers, providing organisers and authors with a fast, easy to use and effective publication process

We publish research presented and discussed at prestigious conferences in physics and related subjects around the world. Key topics include physics, materials science, environmental science, bioscience, engineering, computational science and mathematics.

In 2021 we are relaunching our proceeding service with a brand new suite of tools that offer seamless management of each stage of the process as well as the option to host your conferences online.

[Get more information on our new conference solutions](#)

[Request a quote](#)

Journal of Physics: Conference series

The open access Journal of Physics: Conference Series (JPCS) provides a fast, versatile and cost-effective proceedings publication service.

[Published Volumes](#)
[Forthcoming volumes](#)

Conference Series: Earth and Environmental Science

The open access IOP Conference Series: Earth and Environmental Science (EES) provides a fast, versatile and cost-effective proceedings publication service.

[Published Volumes](#)
[Forthcoming volumes](#)

Conference Series: Materials Science and Engineering

With the ability to publish proceedings from events of any size, IOP Conference Series: Materials Science and Engineering provides a comprehensive solution for materials science and engineering conferences.

[Published Volumes](#)
[Forthcoming volumes](#)

Link direto para a coleção de e-books (* sujeito a compra)

Books

Big Science in the 21st Century
Economic and societal impact.
[Find out more](#)
IOP ebooks



Subjects	All subjects	Astronomy and astrophysics	Atomic and molecular physics
Book series	Biomedical engineering	Classical Physics	Classical physics
Partner series	Condensed matter	Culture, history and society	Education and outreach
Publication year	Engineering	Environment and energy	Instrumentation and measurement
	Materials	Mathematics and computation	Medical physics and biophysics
	Optics and photonics	Particle and nuclear physics	Plasmas
	Quantum science		
Browse all books			

Você pode explorar toda a nossa coleção de e-books

IOPscience Journals **Books** Publishing Support Login

Filtrar livros por:

Áreas
Filter books
Subjects
 Search for Subject
 Astronomy and astrophysics
 Atomic and molecular physics
 Biomedical engineering
 Classical Physics
[Show all subjects](#)

Série ou Coleções
Book series or Collections
 AAS-IOP Astronomy
 Expanding Physics
 IOP Concise Physics
 IOP Expanding Physics
[Show all series](#)

Showing 1-9 of 1020 results

Sort by: Newest



An Introduction to Brown Dwarfs
Author John Gizis
Published December 2024



X-ray Color Imaging
Authors Kenji Sakurai and Wenyang Zhao
Published December 2024



Skin Photoaging (Second Edition)
Editors Rui Yin, Yang Xu and Chengfeng Zhang
Published December 2024

Data de publicação

Date Published
 Anytime
 The last month
 The last 12 months
 The last 5 years
Range: 2025 To: 2025



Sócio de publicação

Books Series
Partner Series

Ligações e informações de interesse sobre coleções e séries

Informações para autores e bibliotecas (registros MARC, lista de títulos), webinars, preços etc.

Partner series



AAS-IOP Astronomy



Biophysical Society-IOP Series



IPEM-IOP Series in Physics and Engineering in Medicine and Biology

Write for IOP ebooks

By choosing to publish with us, your book will become part of a collection that will play an essential role in communicating STEM research of the highest quality. Browse our resources for more information on publishing with IOP ebooks, FAQs, and contact details.

Pricing and Ordering

Whether you're purchasing on behalf of an institution, looking for trade and wholesale options or interested in buying an individual title for personal use, you can find out how to purchase here.

Testimonials

We pride ourselves on offering our authors exceptional service, speed of publishing and a smooth overall experience. But don't just take our word for it, see what our existing authors have to say.

Librarian Resources

Providing you with the tools you need to manage the IOP ebooks available through your library and maximize visibility and readership at your institution.

myPrint

myPrint is a service offering individuals at institutions who have purchased IOP ebooks the chance to buy their own heavily discounted personal print copy, direct from iopscience.org.

Webinars

Get to know our authors a little more – and the research behind their latest book by listening to our free meet the author webinar series

Books

Você pode explorar toda a nossa coleção de e-books

Acesso rápido a coleções e séries específicas do programa

Search books

Keyword, ISBN, Author, Title

Search

Librarian Resources

Providing you with the tools you need to manage the IOP ebooks available through your library and maximize visibility and readership at your institution.

Veja a lista completa de registros MARC e KBART na página de **Recursos do Bibliotecário**.

myPrint

myPrint is a service offering individuals at institutions who have purchased IOP ebooks the chance to buy their own heavily discounted personal print copy, direct from iopscience.org.

Se sua instituição tiver acesso a um livro, você terá a opção de solicitar uma cópia impressa a um preço reduzido.

Pesquisa por área, série, sócio e/ou ano



Subjects	All subjects	Astronomy and astrophysics	Atomic and molecular physics
Book series	Biomedical engineering	Classical Physics	Classical physics
Partner series	Condensed matter	Culture, history and society	Education and outreach
Publication year	Engineering	Environment and energy	Instrumentation and measurement
	Materials	Mathematics and computation	Medical physics and biophysics
	Optics and photonics	Particle and nuclear physics	Plasmas
	Quantum science		
Browse all books			



Pesquisa por autor, título, palavra chave, ISBN

Search books [Search](#)

Books: Título individual

Visite a página individual de cada e-book para:

- Ler o livro em diferentes formatos
- Ver o índice
- Saber mais sobre o autor e livro
- Ver conteúdo multimídia associado

Conteúdo Relacionado

Effective Science Communication (Second Edition)

A practical guide to surviving as a scientist

Dimensions (citações)

Altmetria

Em diferentes formatos



Download ebook



Preview

Authors

Sam Illingworth and Grant Allen

Published May 2020

Being a scientist in the 21st century can be extremely demanding. In addition to conducting exceptional research we are expected to communicate it effectively to a variety of audiences, from scientists and students to policymakers and press officers. This book provides a roadmap for how to disseminate your research findings in an engaging manner via a range of channels, such as scientific publications, press releases, social media and outreach. Furthermore, by providing advice and worked examples on how to fund and publish your research, develop additional skills and support inclusive practices, this book provides a comprehensive handbook for how to be a successful scientist. This second edition brings the text up to date and includes additional material, while retaining the combination of clear insight and practical advice that made the first edition essential.

Copyright © IOP Publishing Ltd 2020

Online ISBN: 978-0-7503-2520-2 • Print ISBN: 978-0-7503-2518-9

Descrição do livro

Se você tiver a caixa myPrint visível, poderá comprar uma cópia impressa pessoal do livro

Book metrics



Export citation and abstract

BibTeX

RIS

Permissions

[Get permission to re-use this book](#)

Share this book



myPrint



In order to take advantage of this service, your institution needs to have access to this IOP ebook content.

[Read more](#)

[Recommend to your Librarian](#)

You may also like

JOURNAL ARTICLES

[Special issue on applied neurodynamics: from neural dynamics to neural engineering](#)

[The activities and funding of IRPA: an overview](#)

[The Woman Who Knew Too Much: Alice Stewart and the Secrets of Radiation](#)

BOOKS

[Backscattering Sources, Volume 1](#)

[Phototransferred Thermoluminescence](#)

[Backscattering Sources, Volume 2](#)

physicsworld | jobs

Scientific Associateship
CPDA

Books: Título individual

Visite a página individual de cada e-book para:

- Ler o livro em diferentes formatos
- Ver o índice
- Saber mais sobre o autor e livro
- Ver conteúdo multimídia associado

Informações sobre o livro e o autor

Tabela de conteúdo

Table of contents	About Book	Authors	Supplementary material	Reviews
Front matter				
PDF chapter ePub chapter				
FREE TO READ Pages 1-1 to 1-5				
Introduction				
Sam Illingworth and Grant Allen				
View chapter PDF chapter ePub chapter				
Publishing work in academic journals Pages 2-1 to 2-17				
Sam Illingworth and Grant Allen				
View chapter PDF chapter ePub chapter				
Applying for funding Pages 3-1 to 3-18				
Sam Illingworth and Grant Allen				
View chapter PDF chapter ePub chapter				
Presenting Pages 4-1 to 4-21				
Sam Illingworth and Grant Allen				
View chapter PDF chapter ePub chapter				
Outreach and public engagement Pages 5-1 to 5-30				
Sam Illingworth and Grant Allen				
View chapter PDF chapter ePub chapter				

Publishing Support

Publishing Support (Suporte de Publicação) fornece orientação e conselhos gratuitos para publicação com IOP. Um guia passo a passo, respondendo a perguntas frequentes sobre os tópicos de maior interesse, esta seção o guiará em cada etapa de sua jornada como autor, revisor ou organizador de conferências.

Publishing Support

[Journals](#)[Authors](#)[Reviewers](#)[Conference Organisers](#)

Welcome to Publishing Support

Publishing Support provides **information** and **guidance** for authors to **help** you publish your research with IOP Publishing.

Track my article

Enter your manuscript ID to track the progress of your article

[Track](#)

You can track your article on WeChat too.

Publishing support

O menu Autores (Authors) oferece acesso a informações vitais sobre todos os aspectos da publicação de um artigo de periódico, livro ou conferência na IOP, bem como ferramentas de suporte, políticas e muito mais.

Publishing Support

Authors

Reviewers

Conference Organisers

Information for authors



Journals

View our range of journals and the guidelines for submitting to each one. You can also find our author rights and ethical policies as well as information about our article transfer service.



Author Guidelines

Get help and guidance on choosing the right journal, writing your article and how the submission, peer review and publication process works.

Early career researcher guidance

Guidance, tools, author insights and more. Everything you need as an early career researcher to help you on your publishing journey.

Conference proceedings

Are you preparing a paper for a conference? These resources will help you to get your paper ready for publication.



Open access and transformative agreements

Find out about open access publishing options, policies, prices and transformative agreements at IOP Publishing.



Author services and tools

Article templates, Submission checklist, IOP academy resources and more to help you write and submit your article.

Copyright and permissions

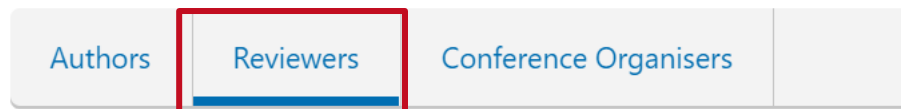
View information and resources to help you with our copyright and permissions policies.

Publishing support

Se você for um revisor, poderá visualizar todas as diretrizes e políticas por meio do menu Revisores.

Publishing Support

[Support](#) > [Reviewers](#)



Information for reviewers

[Becoming a journal reviewer](#)

[How to prepare and send in your reviewer report](#)

[After you have submitted your reviewer report](#)

[Recognition for reviewers](#)

[Reviewer training at IOP Publishing](#)

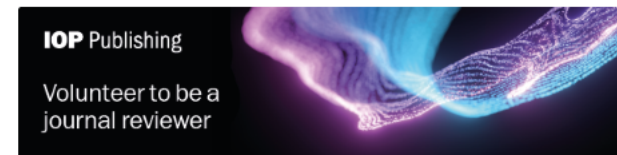
[Peer review innovation at IOP Publishing](#)

[Contact us](#)



IOP Publishing invites reviewers to co-review

Co-review allows two people to collaborate on a reviewer report, with both receiving recognition. We offer co-review in the hope that early career researchers with limited experience of peer review can work together with more experienced colleagues or supervisors to build their peer review competency.



Volunteer reviewers

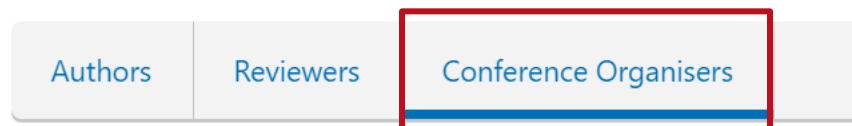
If you already have experience of peer review, you can volunteer to review for our journals. We recommend that early career researchers and first time peer reviewers complete our free online Peer Review Excellence training if they want to be invited to review for IOP journals.

Publishing support

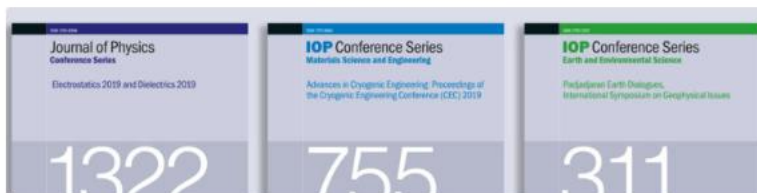
No menu Organizadores da Conferência (Conference Organisers) você terá uma visão geral da série de conferências da IOP e mais informações sobre políticas, procedimentos e informações de interesse.

Publishing Support

[Support](#) > [Conference Organisers](#)



Information for conference organisers



[Choosing your publisher and publication](#)

There are a number of different options for where and how you publish in the IOP Conference Series.

[Peer review policy](#)

View the criteria we use to deliver the highest standard of peer review.

[Where are Conference Proceedings abstracted](#)

Find out where we abstract and index conference proceedings.



[IOP Conference Series publication procedure](#)

The publishing process is easy, find out how it works.

[Proceedings policy on Impact Factors](#)

More information about how we approach the role of the Impact Factor on Conference Proceedings.

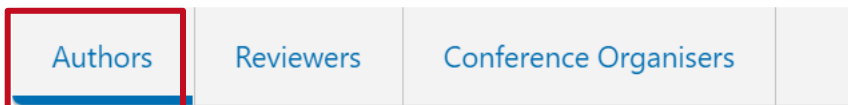
[Contact us](#)

If you don't find the information you need, contact us so we can help you.

Publishing support

A IOP Publishing trabalha em parceria com a Editage para oferecer uma ampla gama de serviços de publicação para nossos autores.

Publishing Support



1

Author services and tools

2

Article templates, Submission checklist, IOP academy resources and more help you write and submit your article.

Editing
Powered by editage

Services ▾

IOP Journal Submission

Get Started

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 or Simplified Chinese to English
- Japanese to English
- Spanish to English
- Brazilian Portuguese to English
- Korean to English
- Turkish to English



Editing service in partnership with Editage

3

Our partnership with Editage helps authors prepare their papers ready for submission. There are a number of services available depending on the need.

Get Started

Publishing support

Se você quiser ajuda na tradução de sua pesquisa, suporte para garantir que seu manuscrito transmita sua ideia com precisão no idioma inglês, além de receber suporte de edição, o IOP Publishing and Editage pode fornecer isso em vários idiomas, incluindo Português do Brasil.



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

- English Editing
- Translation with Editing
- 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 ensure that your manuscript accurately conveys every nuance of your research in perfect scientific English to a global audience. We ensure that your manuscript 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.

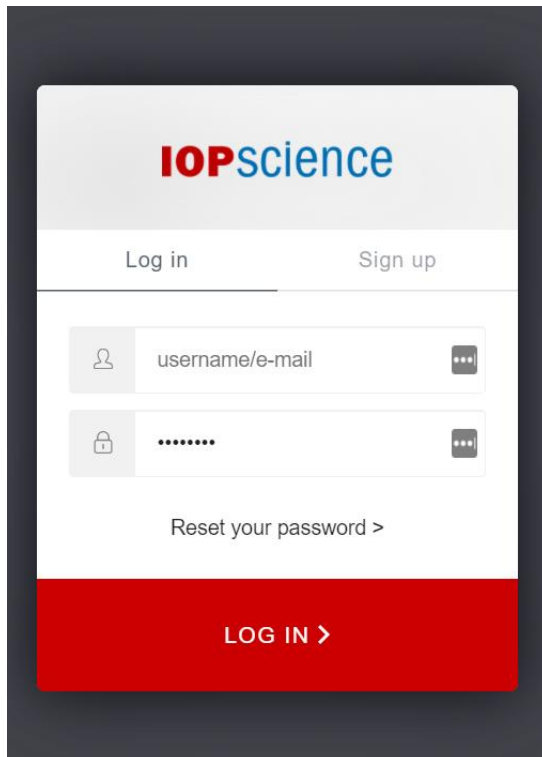
- Traditional or Simplified Chinese to English
- Japanese to English
- Spanish to English
- Brazilian Portuguese to English
- Korean to English
- Turkish to English



[Get Started](#)

Crie uma conta em IOPscience

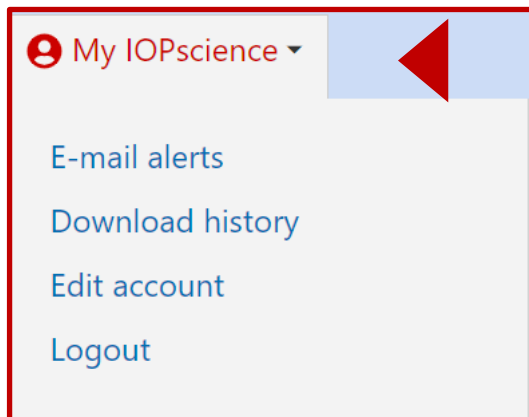
Isso nos permitirá gerenciar nossa sessão, salvar pesquisas, criar tags e alertas e recuperar downloads



The image shows a mobile-style login and sign-up form. At the top is the IOPscience logo. Below it are two tabs: 'Log in' and 'Sign up'. The 'Log in' tab is selected. There are two input fields: the first is for 'username/e-mail' and the second is for a password, represented by dots. Below the password field is a link that says 'Reset your password >'. At the bottom of the form is a large red button with the text 'LOG IN >'.

Clique em Login e depois em IOPscience login / Sign up para criar uma conta e preencher o formulário com os dados necessários

Assim que o formulário for preenchido e nossa conta criada, podemos administrá-la



**O nome de usuário aparecerá
agora**

**Ao clicar em nosso nome de usuário, o menu será exibido
para gerenciar as sessões:**

- **Alertas de E-mail**
- **Histórico de download**
 - **Editar conta**
 - **Sair**

Em My IOPscience você pode gerenciar toda sua sessão, pesquisas salvas, alertas de e-mail, downloads, compras e artigos publicados por meio de diferentes guias

My IOPscience

Guias de administração

E-mail alerts

Downloads

Below is a complete list of all the Full Text HTML and PDFs that you have downloaded over the past three months.

[Cosmological perturbations in Palatini formalism](#)

Date downloaded:

13/07/2021 19:44

[Detecting gravitational waves from cosmological phase transitions with LISA: an update](#)

Date downloaded:

13/07/2021 19:43

[Quantifying the consensus on anthropogenic global warming in the scientific literature](#)

Date downloaded:

24/06/2021 22:05

[Study of Linear Sweep Voltammetry in Tequila and Raicilla Samples](#)

Date downloaded:

07/06/2021 15:19

[First-passage statistics under stochastic resetting in bounded domains](#)

Date downloaded:

07/01/2021 22:06

[How a finite potential barrier decreases the mean first-passage time](#)

Date downloaded:

07/01/2021 22:06

[Intermittent resetting potentials](#)

Date downloaded:

07/01/2021 22:06

Página individual de cada periódico

Todas as páginas individuais de cada uma das revistas são as mesmas e encontraremos as mesmas informações

The screenshot shows the IOPscience website interface. At the top, there is a navigation bar with the IOPscience logo, a search icon, and a dropdown menu for 'Journals'. Below the navigation bar, there is a sidebar with several categories: 'Journals list' (Browse more than 100 science journal titles), 'Open access' (IOP Publishing open access policy guide), 'Subject collections' (Read the very best research published in IOP journals), 'IOP Conference Series' (Read open access proceedings from science conferences worldwide), and 'Publishing partners' (Partner organisations and publications). Below the sidebar, there are 'Apply' and 'Reset' buttons, and a link for 'Archived titles'. The main content area displays a grid of journal titles, organized by letter. The visible titles include: Applied Physics Express, Nanotechnology, The Astronomical Journal, The Astrophysical Journal, The Astrophysical Journal Letters, The Astrophysical Journal Supplement Series, Biofabrication, Bioinspiration & Biomimetics, Biomedical Materials, Biomedical Physics & Engineering Express, Chinese Physics B, Chinese Physics C, Chinese Physics Letters, Classical and Quantum Gravity, Communications in Theoretical Physics, ECS Advances, ECS Journal of Solid State Science and Technology, ECS Meeting Abstracts, and ECS Sensors Plus.

**Clique em Periódicos,
depois em Lista de
Periódicos (Journal
List) e escolha o
periódico de nosso
interesse**

Informações gerais do periódico

Parceiro editorial (quando aplicável)

New Journal of Physics

The open access Journal at the forefront of physics

Deutsche Physikalische Gesellschaft  DPG

IOP Institute of Physics



OPEN ACCESS

New Journal of Physics (NJP) publishes important new research of the highest scientific quality with significance across a broad readership. The journal is owned and run by scientific societies, with the selection of content and the peer review managed by a prestigious international board of scientists.

ISSN: 1367-2630

[Submit an article](#)

[Track my article](#)

[RSS](#) [Sign up for new issue notifications](#)

Current volume

Number 12, December 2024

[Go](#)

Journal archive

Vol 26, 2024

[Go](#)

Focus issues

Stacked, Twisted, and Engineere

[Go](#)

JOURNAL LINKS

[Submit an article](#)

[About the journal](#)

[Editorial Board](#)

[Author guidelines](#)

[Review for this journal](#)

[Publication charges](#)

[News and editorial](#)

[Awards](#)

[Journal collections](#)

[Contact us](#)

JOURNAL INFORMATION

1998-present

New Journal of Physics

doi: 10.1088/issn.1367-2630

Online ISSN: 1367-2630

Métricas relevantes para publicação

6 days

Median submission to first decision before peer review

[Full list of journal metrics](#)

50 days

Median submission to first decision after peer review

2.8

Impact factor

6.2

Citescore

[Most read](#)

Latest articles

[Review articles](#)

[Accepted manuscripts](#)

[Trending](#)

[Open all abstracts](#)

OPEN ACCESS

Experimental Liouvillian exceptional points in a quantum system without Hamiltonian singularities

Shilan Abo *et al* 2024 *New J. Phys.* 26 123032

[Open abstract](#)

[View article](#)

[PDF](#)



Lista de volumes, retrospectiva e edições especiais

New Journal of Physics

The open access journal at the forefront of physics

Physikalische Gesellschaft  DPG

 Institute of Physics



OPEN ACCESS

New Journal of Physics (NJP) publishes important new research of the highest scientific quality with significance across a broad readership. The journal is owned and run by scientific societies, with the selection of content and the peer review managed by a prestigious international board of scientists.

ISSN: 1367-2630

[Submit an article](#)

[Track my article](#)

[RSS](#) [Sign up for new issue notifications](#)

Envie e acompanhe seu artigo

6 days

Median submission to first decision before peer review

[Full list of journal metrics](#)

50 days

Median submission to first decision after peer review

2.8

Impact factor

6.2

Citescore

Búsqueda rápida de artículos

Most read

Latest articles

Review articles

Accepted manuscripts

Trending

[Open all abstracts](#)

OPEN ACCESS

Experimental Liouvillian exceptional points in a quantum system without Hamiltonian singularities

Shilan Abo *et al* 2024 *New J. Phys.* 26 123032

[Open abstract](#)

[View article](#)

[PDF](#)

Links de interesse

JOURNAL LINKS

[Submit an article](#)

[About the journal](#)

[Editorial Board](#)

[Author guidelines](#)

[Review for this journal](#)

[Publication charges](#)

[News and editorial](#)

[Awards](#)

[Journal collections](#)

[Contact us](#)

JOURNAL INFORMATION

1998-present

New Journal of Physics

doi: 10.1088/issn.1367-2630

Online ISSN: 1367-2630



- Most read
- Latest articles**
- Review articles
- Accepted manuscripts
- Trending

[Open all abstracts](#)

OPEN ACCESS

Experimental Liouvillian exceptional points in a quantum system without Hamiltonian singularities

Shilan Abo *et al* 2024 *New J. Phys.* 26 123032

- Open abstract
- View article
- PDF

OPEN ACCESS

Electronic, magnetic, and topological properties of ferromagnetic 2D perovskite-type oxides

Susaiammal Arokiasamy *et al* 2024 *New J. Phys.* 26 123031

- Open abstract
- View article
- PDF

OPEN ACCESS

Acoustic waves in a halfspace material filled with random particulate

Paulo S Piva *et al* 2024 *New J. Phys.* 26 123033

- Open abstract
- View article
- PDF

OPEN ACCESS

Enhancing quantum state discrimination with indefinite causal order

Spiros Kechrimparis *et al* 2024 *New J. Phys.* 26 123030

- Open abstract
- View article
- PDF

OPEN ACCESS

Superconductor to exciton condensate transition in a model copper-oxide material

Anna O Schouten *et al* 2024 *New J. Phys.* 26 123029

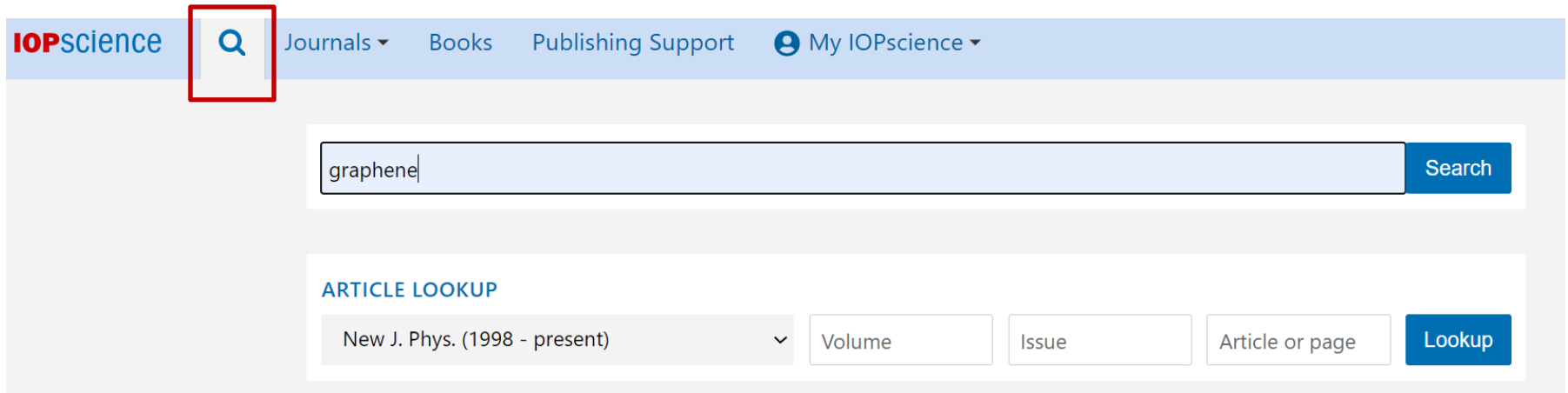
- Open abstract
- View article
- PDF



Artigos mais lidos, mais citados, os últimos publicados, os selecionados, os manuscritos aceitos e os artigos que estão em tendência neste periódico

Pesquisas

Na parte superior, o campo de pesquisa estará sempre disponível

Insira o termo de pesquisa * quando o menu abrir e clique em pesquisar



IOPscience  Journals ▾ Books Publishing Support  My IOPscience ▾

graphene Search

ARTICLE LOOKUP

New J. Phys. (1998 - present) ▾ Volume Issue Article or page Lookup

*** Da mesma forma, você pode pesquisar por autor, afiliação, doi, etc.**

Refine your search

Date published

- Anytime
- The last month
- The last 12 months
- The last 5 years

Journals

- Nanotechnology (5851)
- Meet. Abstr. (4040)
- Mater. Res. Express (3580)
- J. Electrochem. Soc. (3068)
- J. Phys.: Condens. Matter (2583)

[+ Show more](#)

Publication type

- Article (40702)
- Chapter (685)
- Book (177)

Open access

- Open access only (9362)

The top 500 results for "graphene" are:

Within: Anytime

Showing 1-10 of 500

[✉ Email alert](#) [📡 RSS search](#) Sort by:

Relevance

 Most recent
Oldest

Relevance

JOURNAL ARTICLE | OPEN ACCESS

[On the structure and topography of free-standing chemically modified graphene](#)

N R Wilson, P A Pandey, R Beanland, J P Rourke, U Lupo, G Rowlands and R A Römer

 2010 *New J. Phys.* 12 125010 <https://doi.org/10.1088/1367-2630/12/12/125010>
[+ Open abstract](#) [📄 View article](#) [📄 PDF](#)

JOURNAL ARTICLE | OPEN ACCESS

[In situ observation of stress relaxation in epitaxial graphene](#)

Alpha T N'Diaye, Raoul van Gastel, Antonio J Martínez-Galera, Johann Coraux, Hichem Hattab, Dirk Wall, Frank-J Meyer zu Heringdorf, Michael

 Horn-von Hoegen, José M Gómez-Rodríguez, Bene Poelsema, [+ Show full author list](#)

 2009 *New J. Phys.* 11 113056 <https://doi.org/10.1088/1367-2630/11/11/113056>
[+ Open abstract](#) [📄 View article](#) [📄 PDF](#)

JOURNAL ARTICLE | OPEN ACCESS

[Towards electron transport measurements in chemically modified graphene: effect of a solvent](#)

Arnhild Jacobsen, Fabian M Koehler, Wendelin J Stark and Klaus Ensslin

 2010 *New J. Phys.* 12 125007 <https://doi.org/10.1088/1367-2630/12/12/125007>
[+ Open abstract](#) [📄 View article](#) [📄 PDF](#)

JOURNAL ARTICLE | OPEN ACCESS

[Adsorption/desorption and electrically controlled flipping of ammonia molecules on graphene](#)

Shanshan Chen, Weiwei Cai, David Chen, Yujie Ren, Xuesong Li, Yanwu Zhu, Junyong Kang and Rodney S Ruoff

 2010 *New J. Phys.* 12 125011 <https://doi.org/10.1088/1367-2630/12/12/125011>
[+ Open abstract](#) [📄 View article](#) [📄 PDF](#)

Refine a pesquisa por:

Data de publicação

Periódico

Tipo de publicação (livro ou artigo de periódico)

Artigos em acesso aberto

Refine your search

Date published

- Anytime
- The last month
- The last 12 months
- The last 5 years

Journals

- Nanotechnology (5851)
- Meet. Abstr. (4040)
- Mater. Res. Express (3580)
- J. Electrochem. Soc. (3068)
- J. Phys.: Condens. Matter (2583)

[+ Show more](#)

Publication type

- Article (40702)
- Chapter (685)
- Book (177)

Open access

- Open access only (9)

The top 500 results for "graphene" are:

Within: Anytime

Showing 1-10 of 500

Sort by:

Relevance

JOURNAL ARTICLE | OPEN ACCESS

On the structure and topography of free-standing chemically modified graphene

N R Wilson, P A Pandey, R Beanland, J P Rourke, U Lupo, G Rowlands and R A Römer

2010 *New J. Phys.* 12 125010 <https://doi.org/10.1088/1367-2630/12/12/125010>

[+ Open abstract](#) [View article](#) [PDF](#)

JOURNAL ARTICLE | OPEN ACCESS

In situ observation of stress relaxation in epitaxial graphene

Alpha T N'Diaye, Raoul van Gastel, Antonio J Martínez-Galera, Johann Coraux, Hichem Hattab, Dirk Wall, Frank-J Meyer zu Heringdorf, Michael Horn-von Hoegen, José M Gómez-Rodríguez, Bene Poelsema, [+ Show full author list](#)

2009 *New J. Phys.* 11 113056 <https://doi.org/10.1088/1367-2630/11/11/113056>

[+ Open abstract](#) [View article](#) [PDF](#)

JOURNAL ARTICLE | OPEN ACCESS

Towards electron transport measurements in chemically modified graphene: effect of a solvent

Arnhold Jacobsen, Fabian M Koehler, Wendelin J Stark and Klaus Ensslin

2010 *New J. Phys.* 12 125007 <https://doi.org/10.1088/1367-2630/12/12/125007>

[+ Open abstract](#) [View article](#) [PDF](#)

Criar alertas e Feeds RSS

Número de artigos e conteúdo em livros e e capítulos com nosso termo de pesquisa

Todos os dados do artigo

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 Kolomiytsev, 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>

- Close abstract
- View article
- PDF

In the experiments we defined modes, and developed the technology of formation of elements of input-output laser emission and microlens of integrated acousto-optic cell by Pulsed Laser Deposition and Focused Ion Beams by using nanotechnology cluster complex, allowing controlled creation of elements in a single process cycle.

Resumo do Artigo

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>

- + Open abstract
- View article
- PDF

Baixe o artigo em dois formatos: HTML e PDF

Para ver o resumo do artigo

Ao clicar em **Ver artigo (View article)** ou no título, nos leva à versão HTML do referido artigo

ENVIRONMENTAL RESEARCH LETTERS



LETTER • OPEN ACCESS

Quantifying the consensus on anthropogenic global warming in the scientific literature

John Cook, Dana Nuccitelli, Sarah A Green, Mark Richardson, Bärbel Winkler, Rob Painting, Robert Way, Peter Jacobs and Andrew Skuce **Autores**

Published 15 May 2013 • © 2013 IOP Publishing Ltd

[Environmental Research Letters](#), Volume 8, Number 2

Citation John Cook *et al* 2013 *Environ. Res. Lett.* 8 024024

DOI 10.1088/1748-9326/8/2/024024



Baixe em PDF e ePub* (* Disponível apenas em algumas revistas)

[Authors](#) ▾ [Figures](#) ▾ [Tables](#) ▾ [References](#) ▾

Dados dos autores, figuras, tabelas e referências

[Article information](#) ▾

Abstract **Resumo do Artigo**

We analyze the evolution of the scientific consensus on anthropogenic global warming (AGW) in the peer-reviewed scientific literature, examining 11 944 climate abstracts from 1991–2011 matching the topics 'global climate change' or 'global warming'. We find that 66.4% of abstracts expressed no position on AGW, 32.6% endorsed AGW, 0.7% rejected AGW and 0.3% were uncertain about the cause of global warming. Among abstracts expressing a position on AGW, 97.1% endorsed the consensus position that humans are causing global warming. In a second phase of this study, we invited authors

Article metrics

1475975 Total downloads



Submit

[Submit to this Journal](#)

Share this article



Abstract

[1. Introduction](#)

[2. Methodology](#)

[3. Results](#)

[4. Discussion](#)

[5. Conclusion](#)

[Acknowledgments](#)

[References](#)

More from our environmental series

Potential for low-emissions oil palm production in Indonesia: insights from spatiotemporal dynamics
Lisma Safitri ·
Environmental Research Letters · 01 May 2024

Factors impacting real-world fuel economy of plug-in hybrid electric vehicles in Europe – an empirical analysis
Ahmet Mandev ·
Environmental Research Communications · 01 May 2024

Skillful seasonal prediction of the 2022–23 mega soil drought over the Yangtze River basin by combining dynamical climate prediction and copula analysis
Yumiao Wang ·
Environmental Research Letters · 01 Jun 2024

Ao clicar em Ver artigo ou no título, nos leva à versão HTML do referido artigo

ENVIRONMENTAL RESEARCH
LETTERS

Métricas do artigo  PURPOSE-LED
PUBLISHING™

LETTER • OPEN ACCESS

Quantifying the consensus on anthropogenic global warming in the scientific literature

John Cook, Dana Nuccitelli, Sarah A Green, Mark Richardson, Bärbel Winkler, Rob Painting, Robert Way, Peter Jacobs and Andrew Skuce

Published 15 May 2013 • © 2013 IOP Publishing Ltd

[Environmental Research Letters](#), [Volume 8](#), [Number 2](#)

Citation John Cook *et al* 2013 *Environ. Res. Lett.* 8 024024

DOI 10.1088/1748-9326/8/2/024024

 Article PDF

Authors ▾ Figures ▾ Tables ▾ References ▾

Article information ▾

Informações do artigo

Abstract

We analyze the evolution of the scientific consensus on anthropogenic global warming (AGW) in the peer-reviewed scientific literature, examining 11 944 climate abstracts from 1991–2011 matching the topics 'global climate change' or 'global warming'. We find that 66.4% of abstracts expressed no position on AGW, 32.6% endorsed AGW, 0.7% rejected AGW and 0.3% were uncertain about the cause of global warming. Among abstracts expressing a position on AGW, 97.1% endorsed the consensus position that humans are causing global warming. In a second phase of this study, we invited authors to rate their own papers. Compared to abstract ratings, a smaller percentage of self-rated papers expressed no position on AGW (35.5%). Among self-rated papers expressing a position on AGW, 97.2%

Compartilhe o artigo

Article metrics

1475975 Total downloads



Submit

[Submit to this Journal](#)

[Share this article](#)



Índice

Abstract

1. Introduction

2. Methodology

3. Results

4. Discussion

5. Conclusion

Acknowledgments

References

More from our environmental series

Potential for low-emissions oil palm production in Indonesia: insights from spatiotemporal dynamics
Lisma Safitri · Environmental Research Letters · 01 May 2024

Factors impacting real-world fuel economy of plug-in hybrid electric vehicles in Europe – an empirical analysis
Ahmet Mandev · Environmental Research Communications · 01 May 2024

Skillful seasonal prediction of the 2022–23 mega soil drought over the Yangtze River basin by combining dynamical climate prediction and copula analysis
Yumiao Wang · Environmental Research Letters · 01 Jun 2024

Conteúdo
Relacionado

Article metrics

1475975 Total downloads



Ao clicar com o mouse no Almétrica, podemos ver a página com todas as informações de como aquele artigo foi compartilhado nas diferentes redes sociais

A red triangle points down to a white tooltip box with a black border. The box contains a list of metrics with colored squares next to them:

- Picked up by 236 news outlets
- Blogged by 96
- Referenced in 5 policy sources
- Posted by 3211 X users
- On 308 Facebook pages
- Referenced in 51 Wikipedia pages
- Mentioned in 84 Google+ posts
- Reddited by 14
- Mentioned in 2 Q&A threads
- On 10 videos
- Referenced by 3 Bluesky users
- 1680 readers on Mendeley
- 10 readers on CiteULike

At the bottom of the box is a link: [See more details](#). Below the box are social media icons for email, Facebook, X, and a group of people.

The screenshot shows the Altmetrics article page. On the left is a circular chart with the number 5196. Below it is a section titled 'About this Attention Score' with a sub-section 'In the top 5% of all research outputs scored by Altmetric'. Below that is a 'Mentioned by' section with a list of metrics and their corresponding colors. At the bottom left is a 'Readers on' section with two items. The main content area has tabs for 'SUMMARY', 'News', 'Blogs', 'Policy documents', 'X', 'Facebook', 'Wikipedia', and 'More...'. The 'SUMMARY' tab is active, showing the title, published in, DOI, and authors. Below the summary is a 'Sentiment analysis' section. At the bottom is a 'Timeline' section with a graph titled 'Attention over time' showing a line graph from 2014 to 2025.

Article metrics

1475975 Total downloads



Quando você passa o mouse sobre o polígono das citações (Dimensions), todas as informações são exibidas

Article metrics

1475975 Total downloads

948	Total citations
133	Recent citations
136	Field Citation Ratio
n/a	Relative Citation Ratio

Clicando com o mouse em Dimensions poderemos ver a página com todas as informações sobre as citações deste artigo

Quantifying the consensus on anthropogenic global warming in the scientific literature

948

Publication Article in **Environmental Research Letters**, published May 2013

Authors John Cook, Dana Nuccitelli, Sarah A Green, Mark Richardson, Bärbel Winkler, Rob Painting, Robert... [show more]

View on publisher site

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 **Environmental Research Letters** has been cited **948 times**. 14% 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 **136 times more citations** than average.

View more details in Dimensions

948 Citations	133 Recent citations	541 CITATIONS
136.06 Field Citation Ratio	n/a Relative Citation Ratio	Dimensions has found a total of 541 citations of this research output. The most recent 3 are shown below. To view the rest you can visit its publication page on Dimensions.

Chapter 12 The environmental performance of hydrogen production pathways based on renewable sources

Article published January 2021

Authors: Eskinder Demisse Gemechu, Amit Kumar

Taking the Weather with You: Remittances, Translocality, and the Climate Migrant Within

Article published December 2020

Authors: L. Jaine Parsons

Global Warming in Local Discourses

Article published December 2020

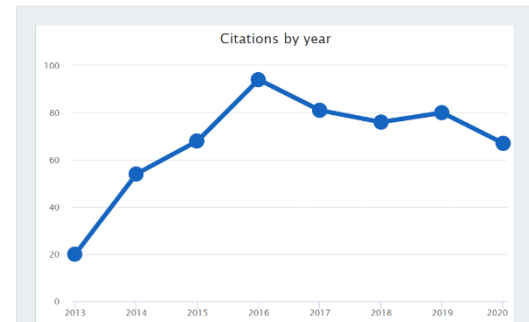
Summary Citations Citing research categories

22 CATEGORIES

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 simple count of the subject areas of the publications citing this one.

View in Dimensions

Research Category (FOR code)	%
16 Studies in Human Society	17.01
04 Earth Sciences	8.93
17 Psychology and Cognitive Sciences	8.59
09 Engineering	8.25
05 Environmental Sciences	7.73
06 Biological Sciences	7.04
11 Medical and Health Sciences	5.67
22 Philosophy and Religious Studies	5.50
14 Economics	5.33
13 Education	4.64
15 Commerce, Management, Tourism and Services	3.78
20 Language, Communication and Culture	2.75
12 Built Environment and Design	2.58
08 Information and Computing Sciences	2.06
19 Studies in Creative Arts and Writing	2.06



[Hide article information](#) ▲

Dates

1. Received 23 February 2024
2. Accepted 3 May 2024
3. Published 24 May 2024



Peer review information

[Method](#): Single-anonymous

Revisions: 1

[Screened for originality?](#) Yes

[Buy this article in print](#)

 [Journal RSS](#)

 [Sign up for new issue notifications](#)

**Datas: recepção, revisão,
aceitação e publicação**

**Informações de revisão por
pares**

Crie um RSS Feed e notificação



Podemos ver todos os dados dos autores e co-autores

Authors ▲

Figures ▼

References ▼

Pavel V Kolesnichenko

AFFILIATIONS

Centre for Quantum and Optical Science, Swinburne University of Technology, Victoria 3122, Australia

ARC Centre of Excellence in Future Low-Energy Electronics Technologies, Swinburne University of Technology, Victoria 3122, Australia

 <https://orcid.org/0000-0003-0379-7695>

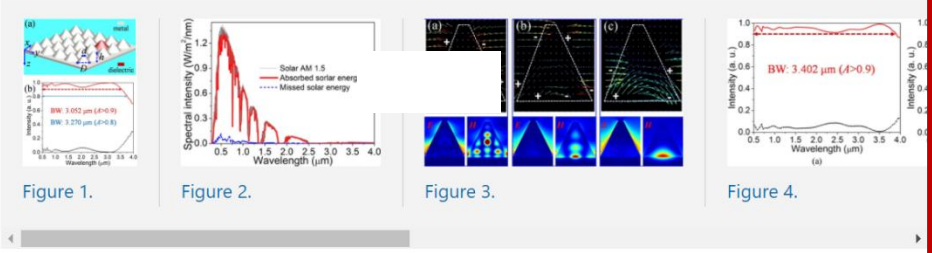
Qianhui Zhang

AFFILIATIONS



Dentro do texto do artigo, você encontrará um menu disponível na parte superior para acesso rápido a: **Figuras e Referências**. Da mesma forma, o **Ícone para baixar o PDF** e o **Índice** estará sempre disponível

Figures ▾ References ▾ PDF



Abstract

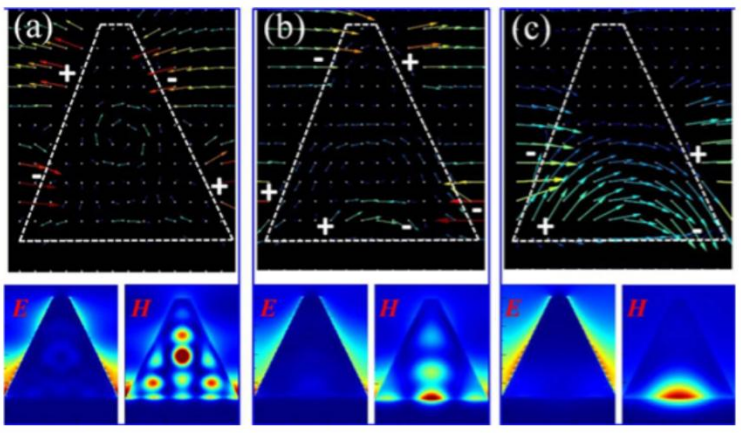
1. Introduction
2. Ti/Si truncated cones based WSA
3. Solar absorption efficiency of the Ti/Si WSA
4. Resonant behaviors of the Ti/Si WSA
5. Optical properties of the WSA with Ge and GaAs
6. Absorption responses of the WSA under different geometry features
7. Absorption responses of the absorber without the semiconductor
8. Conclusion

Acknowledgments

Conflict of interest

References

Índice



Zoom In Zoom Out Reset image size

Figure 3. (a)–(c) Charge and electromagnetic field distributions of the truncated Ti/Si resonators based WSA at the resonant absorption peaks with the wavelength of 0.818 μm , 1.293 μm , 3.020 μm , respectively.

Download figure:

Standard image High-resolution image



Figures ▾

References ▾

Article data ▾

Acesso rápido a todas as figuras do artigo, algumas interativas ou com vídeo

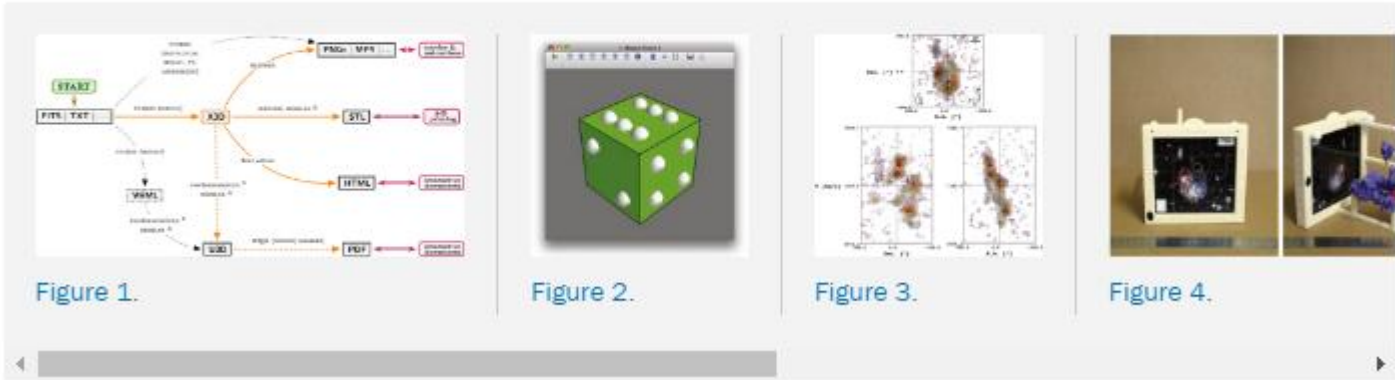


Figure 1.

Figure 2.

Figure 3.

Figure 4.

Videos

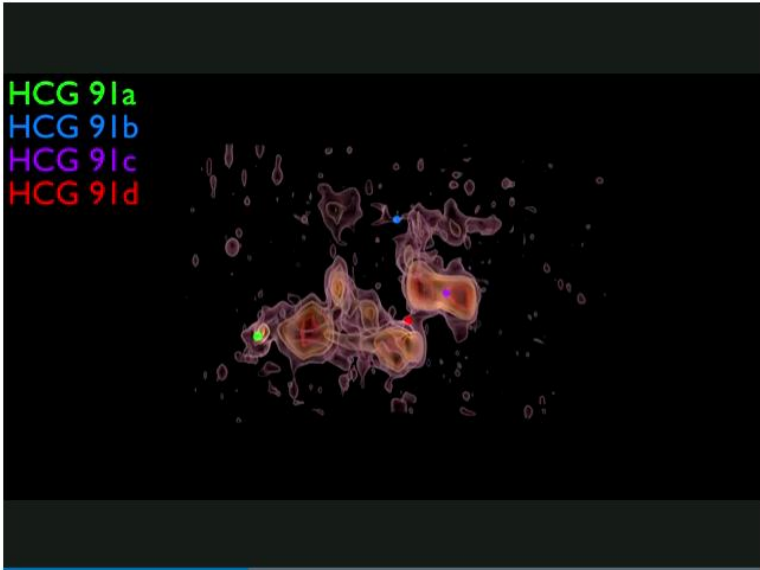


Figure 5.

Final BLENDER rendered view of the H I iso-intensity contours in HCG 91 observed by the VLA (first exported to X3D using MAYAVI) generated using the PYTHON script provided as supplementary material to this article. An [animation](#) of this figure is available.

Figuras interativas

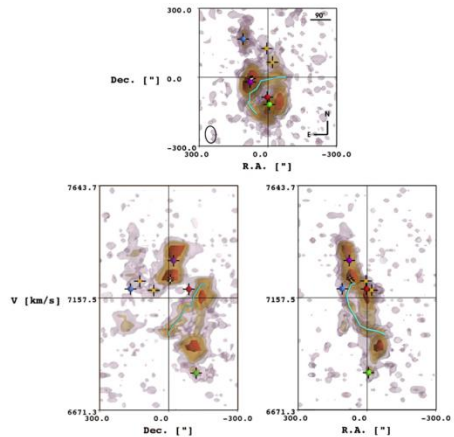


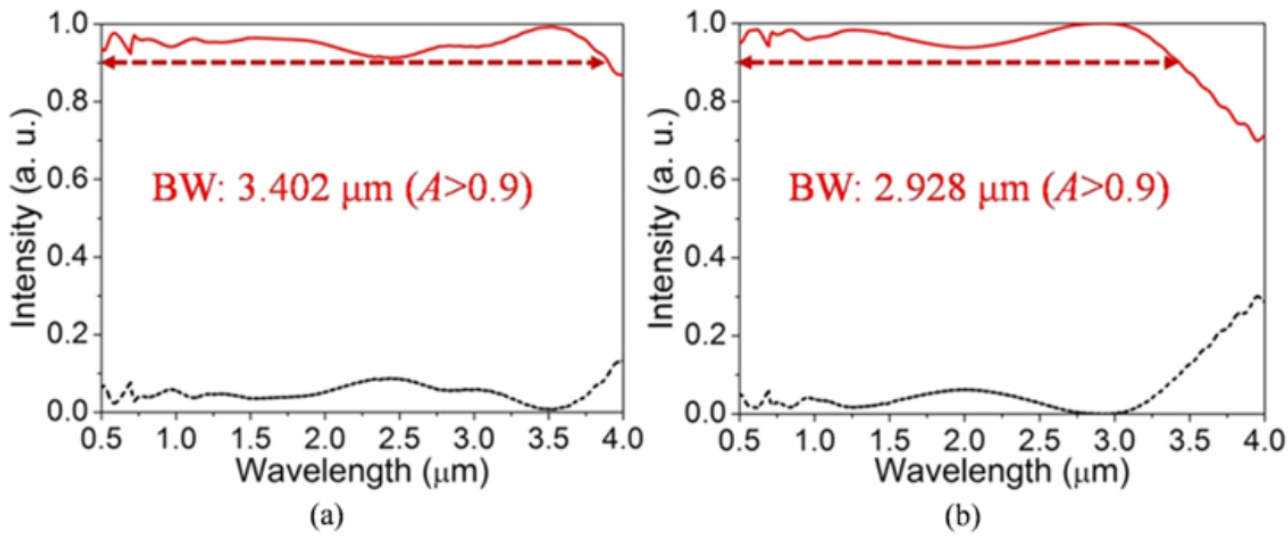
Figure 3. H I gas distribution and kinematics of the compact group of galaxies HCG 91 observed by the VLA. Individual intensity iso-contours at 1.3, 2.5, 3.5, and 6.0 mJy/beam are fitted in 3D inside the datacube before being projected along top-front-side projections. The innermost contour is fully opaque, while the others are set at 80% transparency to enable a see-through effect. The galaxies HCG 91a, b, c, and d are marked with green, blue, purple, and red spheres, respectively. A large tidal tail originating to the southeast of HCG 91a is traced inside the 3D cube with a cyan line, and other elements of interest are marked with white and yellow cubes (see Vogt et al. 2015 for details). In the top panel, the black ellipse traces the beam size and orientation associated with the VLA data. An interactive version of this figure is accessible online as an interactive HTML document.

[Start Interaction](#)

Download figure:

- Standard image
- High-resolution image
- Figure data file

É possível exportar a imagem para o nosso computador, bem como ampliar ou reduzir a imagem



Zoom In Zoom Out Reset image size

Amplie ou reduza a imagem

Figure 4. (a) and (b) Spectral reflection and absorption for the Ti/Ge, Ti/GaAs resonators based WSA, respectively.

Download figure:

Exportar a figura

Standard image High-resolution image

Se a figura for interativa, podemos baixar os dados do arquivo

Start interaction

Download figure:

Standard image High-resolution image Figure data file

Acesso rápido a todas as referências e citações do artigo



Figures ▾

References ▾

- [↑](#) Allègre C *et al* 2012 No need to panic about global warming *Wall Street Journal* (<http://online.wsj.com/article/SB10001424052970204301404577171531838421366.h>) accessed 14 September 2012)
- [↑](#) Anderegg W R L, Prall J W, Harold J and Schneider S H 2010 Expert credibility in climate change *Proc. Natl Acad. Sci. USA* **107** 12107–9
[Crossref](#)
- [↑](#) Boykoff M T 2007 Flogging a dead norm? Newspaper coverage of anthropogenic climate change in the United States and United Kingdom from 2003 to 2006 *Area* **39** 470–81
[Crossref](#)
- [↑](#) Boykoff M T and Boykoff J M 2004 Balance as bias: global warming and the US prestige

MathJax

$$f(a) = \frac{1}{2\pi i} \oint \frac{f(z)}{z-a} dz$$

$$H_0 = \sum_{\lambda,i} E_i^\lambda a_{\lambda,i}^\dagger a_{\lambda,i} + \sum_Q \hbar \omega_Q \left(B_Q^\dagger B_Q + \frac{1}{2} \right) \quad (1)$$

as the non-interacting parts of the carrier–photon system, where $a_{\lambda,i}^\dagger$ and $a_{\lambda,i}$ are the creation and annihilation operators for electronic states, respectively. The corresponding operators for the photon, with a general mode index Q and energy $\hbar \omega_Q$, are B_Q^\dagger and B_Q .

The carrier–carrier interaction is given by the Coulomb term

$$H_C = \sum_{\lambda,\lambda'} \sum_{i,j,k,l} V_{i,j;k,l}^{\lambda,\lambda'} a_{\lambda,i}^\dagger a_{\lambda',j}^\dagger a_{\lambda',k} a_{\lambda,l} \quad (2)$$

and the light–matter interaction is given by the dipole Hamiltonian

$$H_D = - \sum_{\lambda} \sum_{Q,i,j} [F_{\lambda;i,j}^Q B_Q + (F_{\lambda;j,i}^Q)^* B_Q^\dagger] a_{\lambda,i}^\dagger a_{\lambda,j} \quad (3)$$

The interaction-matrix elements in these are

$$V_{i,j;k,l}^{\lambda,\lambda'} = \frac{e^2}{4\pi\epsilon} \int d^3r d^3r' \frac{\xi_{\lambda,i}^*(\mathbf{r}) \xi_{\lambda',j}^*(\mathbf{r}') \xi_{\lambda',k}(\mathbf{r}') \xi_{\lambda,l}(\mathbf{r})}{|\mathbf{r} - \mathbf{r}'|}, \quad (4)$$

$$F_{\lambda;i,j}^Q = i\epsilon_Q \mathbf{d}_{i,j}^{\lambda,\tilde{\lambda}} \cdot \int d^3r \xi_{\lambda,i}^*(\mathbf{r}) \mathbf{u}_Q(\mathbf{r}) \xi_{\tilde{\lambda},j}(\mathbf{r}), \quad (5)$$

Fórmulas em MathJax

Permite visualizar as equações matemáticas corretamente em qualquer navegador sem que sejam desconfiguradas.

Home page com todos os dados importantes do artigo. Página 1.

ENVIRONMENTAL RESEARCH LETTERS

LETTER • OPEN ACCESS

Quantifying the consensus on anthropogenic global warming in the scientific literature

To cite this article: John Cook *et al* 2013 *Environ. Res. Lett.* **8** 024024

View the [article online](#) for updates and enhancements.

Related content

- [Consensus on consensus: a synthesis of consensus estimates on human-caused global warming](#)
John Cook, Naomi Oreskes, Peter T Doran et al.
- [History and future of the scientific consensus on anthropogenic global warming](#)
Fritz Reusswig
- [Comment on 'Quantifying the consensus on anthropogenic global warming in the scientific literature'](#)
Richard S J Tol

Recent citations

- [John Cays](#)
- [Climate Knowledge and Community Ritual: Miami Weathercasters as Climate Change Communicators](#)
Rosalind Donald
- [Laurie Parsons](#)

OPEN ACCESS

IOP PUBLISHING

Environ. Res. Lett. 8 (2013) 024024 (7pp)

ENVIRONMENTAL RESEARCH LETTERS

doi:10.1088/1748-9326/8/2/024024

Quantifying the consensus on anthropogenic global warming in the scientific literature

**John Cook^{1,2,3}, Dana Nuccitelli^{2,4}, Sarah A Green⁵, Mark Richardson⁶,
Bärbel Winkler², Rob Painting², Robert Way⁷, Peter Jacobs⁸ and
Andrew Skuce^{2,9}**

¹ Global Change Institute, University of Queensland, Australia

² Skeptical Science, Brisbane, Queensland, Australia

³ School of Psychology, University of Western Australia, Australia

⁴ Tetra Tech, Incorporated, McClellan, CA, USA

⁵ Department of Chemistry, Michigan Technological University, USA

⁶ Department of Meteorology, University of Reading, UK

⁷ Department of Geography, Memorial University of Newfoundland, Canada

⁸ Department of Environmental Science and Policy, George Mason University, USA

⁹ Salt Spring Consulting Ltd, Salt Spring Island, BC, Canada

E-mail: j.cook3@uq.edu.au

Received 18 January 2013

Accepted for publication 22 April 2013

Bookmarks

▼ Quantifying the consensus on anthrop...

Introduction

Methodology

> Results

> Discussion

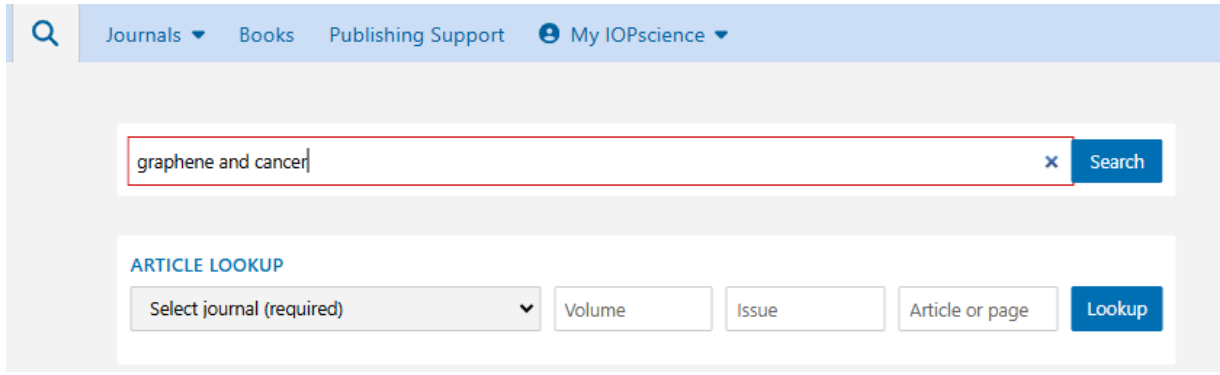
Conclusion

Acknowledgments

References

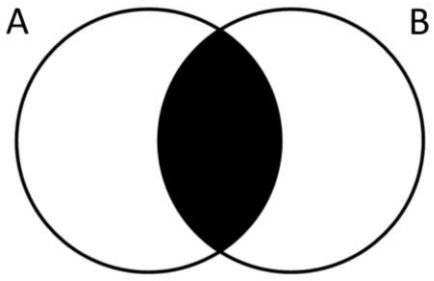
Operadores booleanos– busca

Operadores booleanos podem ser usados ao fazer nossa pesquisa no IOPscience para desambiguar consultas e encontrar resultados mais relevantes



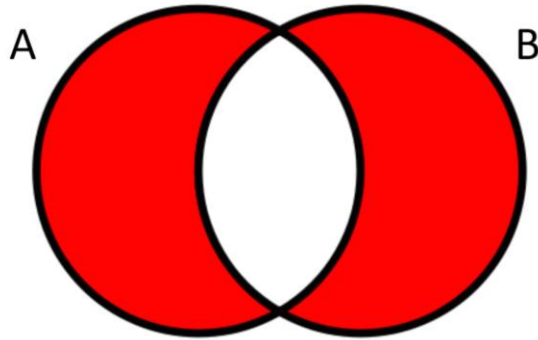
“AND”, “+” ó “&”

- El resultado va a incluir todos los términos



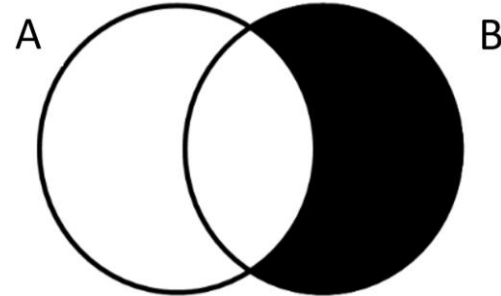
“XOR”

- Uno u otro, pero no los dos a la vez



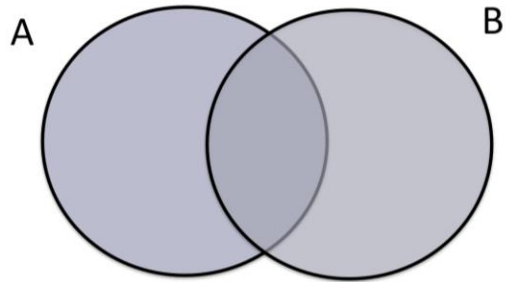
“NOT”, “-”

- El resultado va a incluir solo el primero

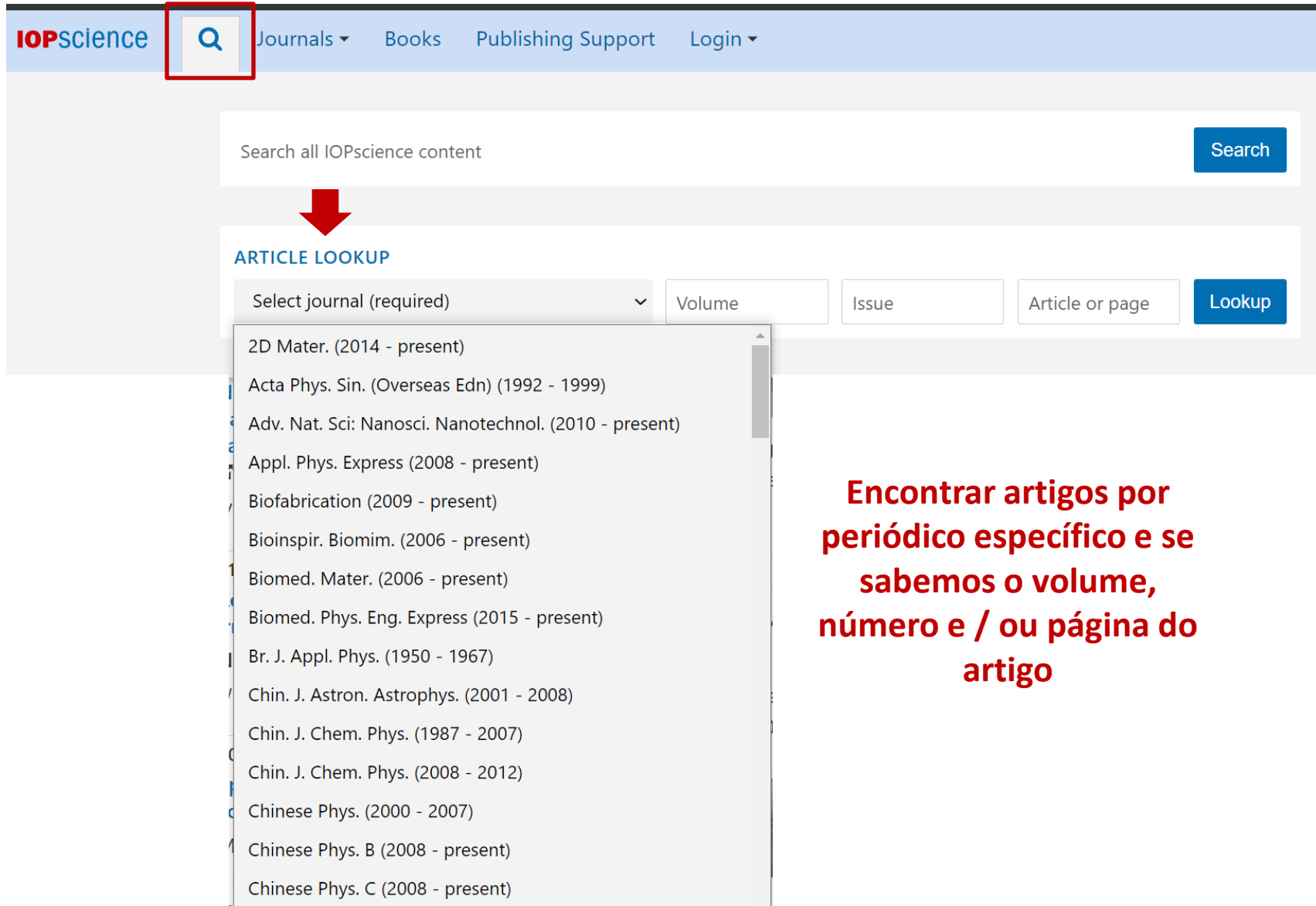


“

- El resultado va a incluir de menos alguno de los términos



Ao clicar em Pesquisa de Artigo, podemos pesquisar por periódico específico



IOPscience

Journals ▾ Books Publishing Support Login ▾

Search all IOPscience content Search

ARTICLE LOOKUP

Select journal (required) ▾ Volume Issue Article or page Lookup

- 2D Mater. (2014 - present)
- Acta Phys. Sin. (Overseas Edn) (1992 - 1999)
- Adv. Nat. Sci: Nanosci. Nanotechnol. (2010 - present)
- Appl. Phys. Express (2008 - present)
- Biofabrication (2009 - present)
- Bioinspir. Biomim. (2006 - present)
- Biomed. Mater. (2006 - present)
- Biomed. Phys. Eng. Express (2015 - present)
- Br. J. Appl. Phys. (1950 - 1967)
- Chin. J. Astron. Astrophys. (2001 - 2008)
- Chin. J. Chem. Phys. (1987 - 2007)
- Chin. J. Chem. Phys. (2008 - 2012)
- Chinese Phys. (2000 - 2007)
- Chinese Phys. B (2008 - present)
- Chinese Phys. C (2008 - present)

**Encontrar artigos por
periódico específico e se
sabemos o volume,
número e / ou página do
artigo**

Visitando iopublishing.org/librarians/, o bibliotecário encontrará todas as informações de seu interesse, como o catálogo, recursos de apoio para bibliotecários, etc.

Librarians

Libraries are at the heart of great research and are fundamental to the success of their institutions. At a time when scientific research practices and access to content are going through significant changes, the library has become more important than ever.

We work with you to support the needs of researchers, students and faculties and to facilitate collaboration between library, publisher and researcher.

Open access at IOP Publishing

Making science open and accessible to as many people as possible is a priority for us. We are helping to create a new future in which universal access to physics research is a reality.

[Find out more about our commitment to an open future.](#)

We have a range of resources available to help you navigate the open access landscape and support your researchers and students to make the most of their open access publishing options:

- [Open access at IOP Publishing](#)
- [Library resources for transformative agreements](#)

Did you know?

15,000 We work with more than 15,000 librarians worldwide	9,000 These librarians represent more than 9,000 institutions	149 There are 149 librarians in our Library Advisory Boards and the LAB Alumni Association
---	---	--

Licensing content

Give your readers access to the journal content in a way that suits your organisation best, whether you represent the academic, government or corporate sectors.

[Find out more about licencing content](#)

Working with you to support your researchers

Our dedicated teams across the globe are here to help you acquire and licence the research we publish, and to ensure you get the best return on investment for your IOP Publishing content and services.

[Visit our librarian support hub](#)

Additional services for you and your community

We work with third parties to enhance the experience of our customers, authors and readers.

[Explore how our additional services can help your institution](#)

Library Advisory Boards

We work closely with an exclusive group of librarians through our regional Library Advisory Boards (LABs) for EMEA (Europe, Middle East and Africa), North America, Asia Pacific and India. When our members complete their term, they are invited to join our global IOP Publishing LAB Alumni Association to keep the conversation going.

[More about the LABs](#)

- | | | |
|---|--|---|
| Legal
Advertising policy
Copyright notice
Disclaimer terms
Federated access privacy statement
Privacy and cookies
Terms and conditions | Social, environmental and compliance
Environmental policy
Gender Pay Gap Report
Modern Slavery policy
Sustainable Development Goals | Our Company
Contact us
Current vacancies
Work with us |
|---|--|---|



Siga-nos nas redes sociais

IOP latinoamérica
 IOP Publishing Latinoamérica
 2.5K likes • 2.8K followers

La ciencia en todo el mundo

Learn more | Following | Message

Posts | About | Mentions | Reviews | Followers | Photos | More

Intro
 IOP Publishing Latinoamérica is a community resource page for science in Latin America.

Page - Publisher
 customerservices@iopublishing.org
 latinoamerica.ioppublishing.org

Featured
 IOP Publishing Latinoamérica January 8, 2023
 Recursos
 -Guía de usuario general 2021 - <https://bit.ly/38neyEh>
 -Guía introductoria para autores Español - <https://bit.ly/3hW5mXQ>
 -Manual introductorio para autores Portugués - <https://bit.ly/38sBtHE>
 -IOPscience extra / ebooks Español - <https://bit.ly/3ofhYR9>
 -IOPscience extra / ebooks Portugués - <https://bit.ly/2X0VQ2>
 -IOP Latinoamérica le invita a explorar IOPscience - <https://bit.ly/3nmSyyZ>
 -Nuevas Revistas 2022 - ...

Photos See all photos

Posts Filters

IOP Publishing Latinoamérica 6h
 ¿Sabías que las cavidades de diseño en los sistemas térmicos pueden optimizarse con fluidos híbridos como $\text{Al}_2\text{O}_3\text{-Al}_2\text{O}_3\text{-agua}$ y CuO-CuO-agua ? Este estudio muestra cómo un campo magnético inclinado y aletas térmicas mejoran la transferencia de calor en cavidades circulares: <https://ow.ly/3cmZ50UyoMG> #FísicaAplicada #Ingeniería



IOPlatinamerica
 4,092 posts

La ciencia en todo el mundo

IOPlatinamerica
 @IOPlatinamerica

Da a la comunidad científica noticias así como crear una interacción continua entre los científicos de latinoamérica. Recursos: bit.ly/3sbLEjB

Education | iopsience.iop.org | Joined February 2019

1,664 Following | 2,494 Followers

Not followed by anyone you're following

Posts | Replies | Media

Pinned
 IOPlatinamerica @IOPlatinamerica - Feb 9, 2022
 ¡Estamos contentos de lanzar el nuevo sitio de IOPlatinamerica hoy! Presentar artículos y noticias científicas de interés para la comunidad científica latinoamericana, así como destacados de la investigación innovadora de IOP Publishing. latinoamerica.ioppublishing.org

IOPlatinamerica @IOPlatinamerica - 6h
 La relatividad general sigue siendo un pilar, pero las teorías $f(R)f(R)$ están mostrando caminos alternativos para comprender la gravedad. ¿Cómo afectan estos modelos a nuestra comprensión de la dinámica cósmica? ow.ly/9ktr50UyoRU
 #FísicaCuántica #AccesoAbierto



Visite nossa página para América Latina

IOPlatinoamérica

Noticias | Eventos | Contacto

BIENVENIDOS A IOP LATINOAMÉRICA

Bienvenidos al nuevo y mejorado sitio de IOPLatinoamérica, dedicado a presentar artículos y noticias científicos que son de interés para la comunidad científica de Latinoamérica, además de lo más destacado en la innovadora investigación de IOP Publishing.

IOP Publishing publica investigación científica de vanguardia para una audiencia global y es la casa editorial del Instituto de Física (IOP, por sus siglas en inglés), una sociedad sin fines de lucro con base en el Reino Unido. Todo excedente financiero acumulado por IOP Publishing es utilizado para apoyar iniciativas científicas a través de las actividades del instituto.

En IOP Publishing trabajamos junto con investigadores, bibliotecarios y asociados para publicar *journals* académicos de alta calidad, *ebooks* vanguardistas y minutas de conferencias que cubren la mejor y más novedosa investigación en las ciencias físicas y otros campos.

Reciba actualizaciones

Materiales de apoyo

[Catálogo de productos 2021](#)

[Guía introductoria para autores en Español](#)

[Manual introdutório para autores em Português](#)

[Guía de usuario en Español](#)

[Manual do usuário em Português](#)

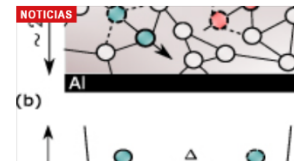
[Nuevas Revistas 2022](#)

[IOPscience extra / ebooks Español](#)

[Albert Einstein La Física Nunca Morirá](#)

[Medicina más relevantes para usted](#)

Noticias



<http://latinoamerica.ioppublishing.org/>

CONTATO



- Natasha Diez e Karla Olivera
Gerentes Regionales, América Latina
natasha.diez@ioppublishing.org
karla.olivera@ioppublishing.org

