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IOPscience 使用指南

With IOPscience you can

- 加快研究速度：强化的搜索过滤系统帮助您更快地找到相关资料
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- <http://iopscience.iop.org>



IOPscience

<http://iopscience.org>

主页和搜索

The screenshot shows the IOP Publishing website homepage. At the top, there is a navigation bar with 'IOPscience', 'Journals', 'Books', 'Publishing Support', and 'Login'. A search bar is located to the right of the navigation bar. Below the navigation bar, there are several sections: 'Journals list', 'Subject collections', 'IOPcorporate', 'IOPselect', 'Publishing partners', 'Open access', 'Review articles', and 'IOP Conference Series'. A 'More subjects' dropdown menu is visible. On the right side, there are links for 'Customer services' and 'Librarians'. Below these, there are promotional banners for 'IOP ebooks' and 'IOP latinoamérica'. At the bottom, there are sections for 'Featured journals' and 'Latest books'. Red lines and dots are overlaid on the image, pointing to the search bar, the 'Publishing Support' link, the 'Customer services' link, the 'Librarians' link, and the 'IOP ebooks' banner.

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快速搜索

在主页上方的搜索栏中可以选择通过关键词在标题、摘要、作者、单位、全文和学科中进行搜索

搜索结果和二次检索

The screenshot shows the IOPscience search interface. At the top, there is a navigation bar with 'IOPscience', 'Journals', 'Books', 'Publishing Support', and 'iopscienceitral'. A search bar contains the term 'nano' and a 'Search' button. To the right of the search bar is an 'Article Lookup' dropdown menu. Below the search bar, the page displays 'The top 500 results for "nano" are:'. On the left side, there is a 'Refine your search' section with a list of filters: 'Date published', 'Journals', 'Authors', 'Publication type', and 'Open access'. Each filter has a plus sign and a dropdown arrow. Below the filters are two buttons: 'Apply filters' and 'Clear filters'. The main content area shows a list of search results. Each result includes the journal name, article title, authors, and publication details. The results are sorted by 'Relevance', as indicated by a dropdown menu in the top right of the results area. There are also links for 'View abstract', 'View article', and 'PDF' for each result. The results are separated by horizontal lines.

可以通过相关性和时效性对搜索结果进行排序

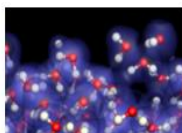
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Subject collection

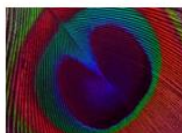
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Subject collections

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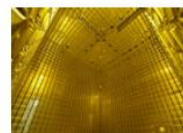
Atomic and molecular physics



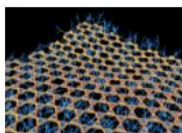
Education



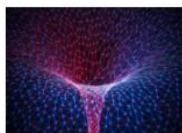
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Materials



Mathematics and computation



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Particle and nuclear physics



Plasmas

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学科选集

将鼠标移动到页面上方的期刊部分，点击旁边的三角形，选择Subject Collection就可以进入到我们的学科选集页面。

内容包含研究新闻、热点评论、学科综述、精选论文、作者资源、近期会议资讯、以及相关的期刊、电子书和包括视频摘要以及作者采访在内的多媒体内容等，帮助读者更加全面地了解学科的发展

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IOPcollections

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

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Articles from the last 12 months that have been chosen by our editors for their novelty, significance and potential impact on future research. All select articles are first published in the source journals.

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Chris Bourne and Emil Prodan
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F B Rosmej
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Marcus Appleby, Tuan-Yow Chien, Steven Flammia and Shayne Waldron
2018 *J. Phys. A: Math. Theor.* **51** 165302
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The full spectrum of AdS5/CFT4 I: representation theory and one-loop Q-system
Christian Marboe and Dmytro Volin
2018 *J. Phys. A: Math. Theor.* **51** 165401
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Efficient optimization of the quantum relative entropy
Hamza Fawzi and Omar Fawzi
2018 *J. Phys. A: Math. Theor.* **51** 154003

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IOPselect

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所有发表在IOPscience上的综述类文章

Journal Page

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使用 **Volume listings** (期刊清单) 来查找特定内容或浏览期刊资料库。

直接链接进入完整的最新一期。

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- **“LabTalk”/“Insights”** —— 作者们以简短新闻形式，展示其具突破意义的作品。
- **Video abstracts** (摘要录像) —— 使研究者们能利用免费观看的录像分享技术，来超越书面文章的局限。

这些服务项目现仅限于部分期刊。

The screenshot shows the IOPscience website for the Journal of Physics: Condensed Matter. The page features a navigation bar with the IOPscience logo, a search bar, and an 'Article lookup' dropdown. The main content area is divided into several sections:

- Journal of Physics: Condensed Matter**: The main title and ISSN information (ISSN 0953-8984 (Print), ISSN 1361-648X (Online)).
- Volume listings**: A section for finding specific volumes and issues, including a 'Submit an article' button and a 'Find article' button.
- Editorial & news**: A section for editorial content, including 'Most cited papers', 'Highlights of 2012', 'Multiferroics', 'Graphene', and 'Topical Review Collection—free to read'.
- LabTalk**: A section for featured articles, including 'Pyrene wire as a graphene nanoribbon', 'Monocrystalline room-temperature ferromagnetic/semiconductor heterostructures made simply', and 'Droplet traffic control at the T-junction of an asymmetric loop'.
- Journal links**: A sidebar with various links such as 'Journal home', 'Scope', 'Editorial board', 'Abstracted in', 'Author benefits', 'Highlights of 2012', 'Fast track communications', 'Topical reviews', 'Cover Gallery', 'Prices & ordering', 'Copyright & permissions', 'Contact us', and 'Submit an article'.
- View by subject**: A sidebar with filters for 'All Subjects', 'All Dates', and 'All journals', along with a 'Search' button.

Article Page

The screenshot shows the IOPscience article page for the paper "Increasing the light extraction and longevity of TMDC monolayers using liquid formed micro-lenses". The page includes a navigation bar, article title, authors, abstract, and related content. Red lines and dots highlight specific features: the search bar, the article title, the authors' ORCID iDs, the "Article PDF" button, the "Article level metrics" section (including total downloads, video abstract views, and a citation count of 50), the "Share this article" section, the "Related content" sidebar, the "MathJax" button, the "Abstract" section, and the "planarTEBH" video player.

Article level metrics

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- Strain-tuning of the optical properties of semiconductor nanomaterials by integration onto piezoelectric actuators

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这些栏目可以使您更加深入的了解这篇论文。包括论文的相关视频、图像和其它额外文档。

Books Page

The screenshot shows the IOPscience website's Books page. At the top, there is a navigation bar with 'IOPscience', 'Journals', 'Books', 'Publishing Support', 'iopsciencecentral', a search bar, and 'Article Lookup'. Below the navigation bar, the page is titled 'Browse books'. There are filters for 'Sort by: Latest, Oldest, A-Z title' and 'Filter by: All collections, All years, Go'. A red dot points to the 'Books' link in the navigation bar. Another red dot points to the search bar. A third red dot points to the '10 of 249 results' text. A fourth red dot points to the 'About IOP ebooks' link. A fifth red dot points to the 'View description' link for the book 'Bias in Science and Communication'. The main content area displays a grid of book listings. Each listing includes a book cover, title, author(s), publication date, and available formats (PDF book, ePub book, Kindle book). The books listed are: 'An Introduction to Planetary Nebulae', 'Entrepreneurship for Creative Scientists', 'Relativistic Many-Body Theory and Statistical Mechanics', 'Electrodynamics', 'An Introduction to Quantum Communications Networks', 'Introduction to Pharmaceutical Biotechnology, Volume 1', 'Entropy Beyond the Second Law', and 'Bias in Science and Communication'. On the right side, there is a 'BOOKS LINKS' section with links for 'Browse books', '+Collections', '+Series', 'Author Resources', 'Librarian Resources', 'Webinars', 'Pricing and Ordering', and 'About IOP ebooks'. Below this, there are two award logos: 'ALPSP SILVER ALPSP Awards for Innovation in Publishing 2014' and 'Nominated in INTERNATIONAL EXCELLENCE Awards 2015'.

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Books Page

The screenshot shows the book page for "Electrostatic Phenomena on Planetary Surfaces" by Carlos I. Calle, published in February 2017. The page features a book cover, a description, author information, and a table of contents. Key features include:

- Download ebook:** Options for PDF, ePub3, and Kindle formats.
- Altmetric information:** A circular icon showing 3269 mentions, with a note "Altmetric信息 帮助追踪图书的广泛影响".
- Related content:** A section titled "Related content" with a note "查看与本书相关的期刊论文", listing journal articles such as "Theoretical and experimental studies of the radiative properties of plasma..." and "Properties of Zinc Oxide Films Cosputtered with Aluminum at Room Temperature".
- my print:** A section with a note "专为电子书订阅用户提供的纸质平装版优惠购买选项" and a "Buy Now" button.
- Table of contents:** Lists "Front matter" (PDF and ePub chapters) and "Introduction" (Pages 1-1 to 1-2).

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Books Page

CHAPTER 1 • FREE TO READ

The world of nanoelectronics

David K Ferry

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Pages 1-1 to 1-26

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+ Chapter information

+ Abstract

It generally is regarded as being true that nanostructures may be considered as ideal systems for the study of the physics of electronic transport. Perhaps this is a self-fulfilling statement, as I have been involved in the field for my entire career. In the late 1970s, this area of research was called 'ultra-small electronics research', and the description as one of nanoscale was not applied for a few decades after that. But, it was interesting that we pursued the use of electron-beam lithography to make things small. Unfortunately, this endeavor was ended by the success of the microelectronics industry. For instance, we worked hard in the university environment to make small transistors with gate lengths on the scale of 25–50 nm. For the past decade or so, Intel (and others, of course) has made a number something like a thousand times the population of the Earth of such devices each day, so this area of research is gone from the universities.

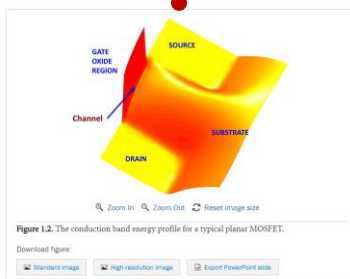


Figure 1.2. The conduction band energy profile for a typical planar MOSFET.

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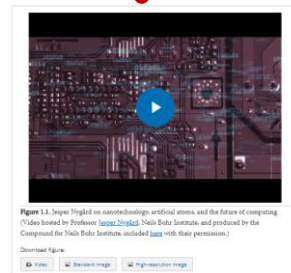
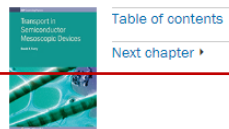


Figure 1.1. Image stylized on nanostructures, artificial atoms, and the future of computing. (Image based by Professor Jozsef Jozsef, Santa Barbara Institute, and produced by the Compound for Yale Bohr Institute, included here with their permission.)

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1.1. Moore's law

1.2. Nanostructures

1.3. On the concept of localization

1.4. Some electronic time and length scales

1.5. Heterostructures for mesoscopic devices

1.6. Nanofabrication

Problems

References

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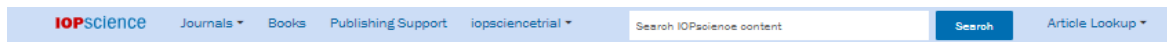
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Books Page



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- [Nuclear Materials Science](#)
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- [Climate Change Resilience in the Urban Environment](#)
- [Astrophysics of Red Supergiants](#)

Meet the author Emily Levesque

Astrophysics of Red Supergiants is the first book of its kind devoted to our current knowledge of red supergiant stars, a key evolutionary phase that is critical to our larger understanding of massive stars. It is also the first to publish in the exciting new partnership with the American Astronomical Society and IOP ebooks. Please join us for this 45 minute webinar with Dr Emily Levesque as she gives an overview of her book and answers your questions in a live Q&A. This webinar is recommended viewing for a range of experience levels, from graduate students up to senior researchers. .

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Publishing Support Page

The screenshot shows the IOP Publishing Publishing Support page. At the top, there is a navigation bar with 'IOPscience', 'Journals', 'Books', and 'Publishing Support' (highlighted with a red arrow). A search bar contains 'Search all IOPscience content' and a 'Search' button. To the right is an 'Article lookup' dropdown. Below the navigation bar, the page title 'Publishing Support' is followed by the text '点此进入出版支持页面' (Click here to enter the publishing support page) with a red arrow pointing to the 'Publishing Support' link. To the right, another red arrow points to the search bar with the text '您可以利用关键词搜索找到相关的信息' (You can use keywords to search for related information). Below this is a blue search bar with 'All' as a filter and 'Search Publishing Support' as a button. The main content area is divided into three columns: 'Authors +', 'Reviewers +', and 'Conference Organisers +'. Under 'Authors +', there is a 'Journals' section with links like 'Author guidelines for IOP Publishing', 'Video abstracts in journals', 'Article transfer service', 'Open access options for authors', 'Author rights policies', 'Copyright', and 'Permissions'. A red arrow points to this section with the text '无论您是作者、审稿人还是会议主办方，我们为您提供丰富的信息，为您的出版流程保驾护航' (Whether you are an author, reviewer, or conference organizer, we provide you with rich information to ensure your publishing process is smooth). Under 'Reviewers +', there is a 'Books' section with links like 'Preparing an ebook proposal', 'Submitting your ebook proposal', 'Preparing your ebook manuscript', 'Reproducing third party materials in your ebook', and 'Reviewing an ebook proposal'. Under 'Conference Organisers +', there is a 'Conference proceedings' section with links like 'Author guidelines for conference proceedings', 'Templates and guidelines for proceedings papers', 'Proceedings peer review policy', 'Proceedings policy on Impact Factors', and 'Where are conference proceedings abstracted?'. At the bottom, there is a 'Welcome to Publishing Support' section, a 'Useful links' section with a red arrow pointing to it and the text '这里您可以查看一些常用链接' (Here you can view some commonly used links), and a 'Step by step guides' section with a red arrow pointing to it and the text '查看包括作者指南、审稿流程指南和版权信息在内的多种指南' (View various guides including author guidelines, reviewer guidelines, and copyright information).

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