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- <http://iopscience.iop.org>



IOPscience

<http://iopscience.org>

主页和搜索

The screenshot shows the IOPscience website homepage. At the top is a navigation bar with links for Journals, Books, Publishing Support, and iopsciencecentral. A search bar is located in the center of the header, with a 'Search' button to its right. Below the header, the main content area is divided into several sections. On the left, there is a 'Welcome' section with a link to 'Browse journals, e-books and publishing support'. In the center, there is a 'Latest news and articles' section featuring a congratulatory message for the 2017 Nobel Prize laureates. On the right, there is a 'customer support' section with a link to 'Visit iopscience.org for more information and services'. At the bottom, there is a 'Featured journals' section displaying covers for metrologia, NANOTECHNOLOGY, New Journal of Physics, Nonlinearity, epl, and nuclear fusion.

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Here you can search articles through journals, subjects and dates

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This is the bar of quick search on the top of every page. The default is set to search in title and abstract.

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高级搜索和搜索结果

The screenshot displays the IOPscience search results interface. At the top, the navigation bar includes 'IOPscience', 'Journals', 'Books', 'Publishing Support', and 'Login'. A search bar contains the text 'Search IOPscience content' with a 'Search' button and an 'Article Lookup' dropdown. Below the navigation bar, a filter dropdown is set to '2D Mater. (2014 - present)' with a 'Volume' button. On the left, a 'Refine your search' section includes 'Apply filters' and 'Clear filters' buttons, and a list of filter categories: '+ Date published', '+ Journals', '+ Authors', and '+ Publication type'. The main search results area shows a list of articles. The first article is 'Prospects of III-nitride optoelectronics grown on Si' by D Zhu, D J Wallis and C J Humphreys, published in 2013 in *Rep. Prog. Phys.* 76, 106501. It includes links for 'View abstract', 'View article', and 'PDF'. The second article is 'Elongated nanostructures for radial junction solar cells' by Yinghuan Kuang, Marcel Di Vece, Jatindra K Rath, Lourens van Dijk and Ruud E I Schropp, also published in 2013 in *Rep. Prog. Phys.* 76, 106502, with similar links. Annotations in Chinese provide instructions: one points to the search bar stating '搜索栏 这里您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'; another points to the 'Refine your search' section stating '如果您希望对出版时间、期刊、作者和出版类型加以限制, 可以勾选这里的复选框'; and a third points to the 'Sort by: Relevance' dropdown stating '可以通过相关性和时效性对搜索结果进行排序'.

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2D Mater. (2014 - present) Volume

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JOURNAL ARTICLE

Elongated nanostructures for radial junction solar cells

Yinghuan Kuang, Marcel Di Vece, Jatindra K Rath, Lourens van Dijk and Ruud E I Schropp

2013 *Rep. Prog. Phys.* **76** 106502 <https://doi.org/10.1088/0034-4885/76/10/106502>

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M N Chen, Feng Mei, W Su, Huai-Qiang Wang, Shi-Liang Zhu, L Sheng and D Y Xing
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Journal Page

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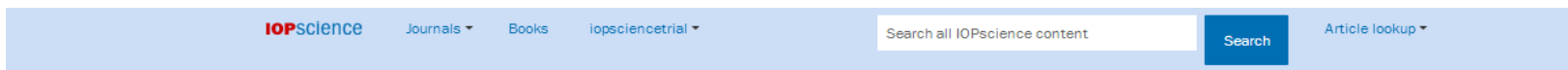
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这些服务项目现仅限用于部分期刊。

The screenshot displays the IOPscience website for the Journal of Physics: Condensed Matter. The page layout includes a top navigation bar with the IOPscience logo, a search bar, and links for 'Journals' and 'IOPscience Central'. The main header identifies the journal and provides links for 'Email alert' and 'RSS feed'. The central content area is divided into several sections: a 'Submit an article' section with a 'Latest Issue (Complete)' link, a 'Volume listings' section with dropdown menus for 'Current volume' and 'Journal archive', and a 'LabTalk' section featuring 'Most recent' and 'Most read' tabs. The 'Most read' tab lists several articles, including 'The electronic structure and optical response of rutile, anatase and brookite TiO₂' and 'Luminescent nanoparticles and their applications in the life sciences'. The right sidebar contains a 'Journal links' section with links to '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', 'Submit an article', 'Most cited papers', and 'View by subject'.

Article Page



2D Materials

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Increasing the light extraction efficiency of monolayers using liquid micro-lenses

C S Woodhead¹, J Roberts¹, Y J N and R J Young¹Published 7 December 2016 • © 2016 IOP Publishing Ltd
2D Materials, Volume 4, Number 4

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Article information

Abstract

The recent discovery of semiconducting two-dimensional materials has led to a variety of applications, including optoelectronics, photonics, and quantum computing. However, the low light extraction efficiency of these materials is a major barrier to their practical use. We present a solution to tackle both of these problems simultaneously, by deterministically placing an epoxy based micro-lens directly onto the materials' surface. We show that this approach enhances the photoluminescence of tungsten diselenide (WSe₂) monolayers by up to 300%, and nearly doubles the imaging resolution of the system. Furthermore, this solution fully encapsulates

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Control of two-dimensional materials

Abstract

Introduction

Results and discussion

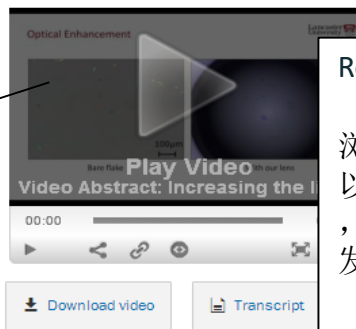
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of their surrounding environment. We present a solution to tackle both of these problems simultaneously, by deterministically placing an epoxy based micro-lens directly onto the materials' surface. We show that this approach enhances the photoluminescence of tungsten diselenide (WSe₂) monolayers by up to 300%, and nearly doubles the imaging resolution of the system. Furthermore, this solution fully encapsulates

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Publishing Support Page

The screenshot shows the IOP Publishing Publishing Support page. At the top is a navigation bar with 'IOPscience', 'Journals', 'Books', and 'Publishing Support' (highlighted). A search bar and 'Article lookup' link are also present. Below the navigation bar is a blue header with 'Publishing Support' and a search bar. Callouts point to the 'Publishing Support' link in the navigation bar and the search bar in the blue header. The main content area is divided into sections: 'Authors' (with a callout about keyword search), 'Conference Organisers', 'Journals', and 'Conference proceedings'. The 'Journals' section lists links like 'Author guidelines for IOP journals', 'Video abstracts in journal articles', 'Article transfer service', 'Open access options for authors', 'Author rights policies', 'Copyright', and 'Permissions'. The 'Conference proceedings' section lists links like 'Guidelines for conference proceedings', 'Proceedings peer review policy', 'Proceedings policy on Impact Factors', and 'Where are conference proceedings published?'. At the bottom, there are three columns: 'Welcome to Publishing Support' (describing the support services), 'Useful links' (listing 'Open access', 'Author rights policies', 'Copyright', 'Permissions', and 'Ethical policy for journals'), and 'Step guides' (listing 'Author guidelines for IOP journals', 'Reviewer guidelines for IOP journals', 'Creating and submitting your IOP ebook proposal', and 'Author guidelines for conference proceedings'). Callouts point to the 'Useful links' and 'Step guides' sections.

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— Thank you!