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Wang Yang | Account Manager, China





Overview

- IOP 和IOP Publishing简介
- 中国物理学研究分析
- IOP—DRAA集团发展状况
- IOP电子图书
- IOPscience平台使用指南



IOP

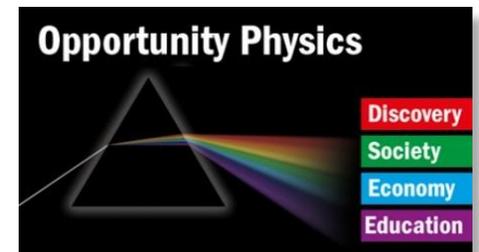
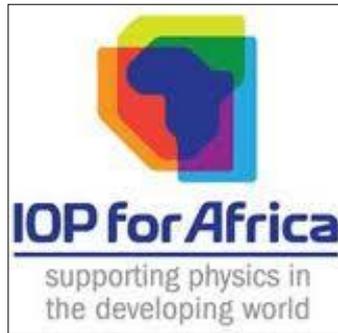
Institute of Physics





关于英国物理学会Institute of Physics

- 成立于1874年的学术协会
- 全球范围内现有超过50,000会员
- 其使命是推动物理学教育、研究和应用的发展
- 与政策制定者、学生、教育工作者和大众紧密联系
- www.iop.org





关于英国物理学会出版社 - IOP Publishing

- IOPP是IOP下属的非营利性学术出版和传播机构
- 总部设在英国布里斯托（Bristol），并在费城、华盛顿、慕尼黑、北京和东京设有办公室
 - 全球共有360名员工
- IOPP是一个全球性机构，仅有5%的期刊作者和收入来自英国
- 为其他学协会和研究机构提供出版服务，这些机构包括：中国物理学会、中科院、欧洲核子研究组织、美国天文学会、日本应用物理学会等
- 所有利润均被用于支持英国物理学会

IOP期刊的学科覆盖范围

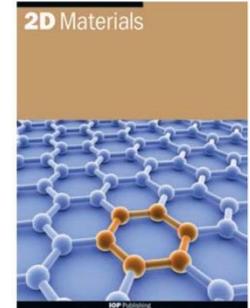
- 天文学及天体物理学
- 生物学
- 化学
- 计算科学
- 教育学
- 工程学
- 材料学
- 数学
- 测量学
- 医学
- 纳米技术
- 物理学



非物理领域高质量期刊

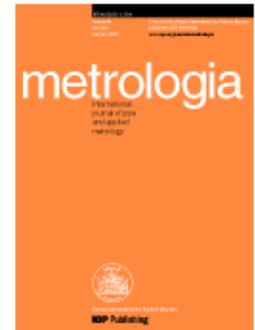
2D Materials 《二维材料》

- 一本重要的高质量跨学科期刊，力争涵盖二维材料研究的各个方面
- 影响因子为6.937，是材料科学领域的热门期刊



Metrologia 《计量学》

- 计量学领域中的领先期刊
- 影响因子为3.411
- 是从事测量标准和校准的必备读物



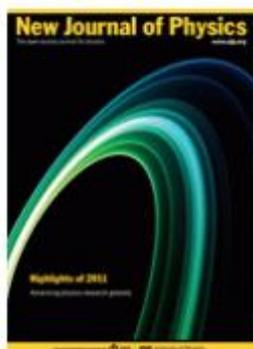
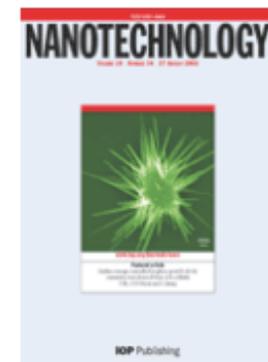
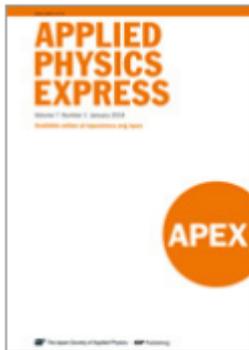
Biofabrication 《生物制造》

- 生物制造领域的领先期刊
- 影响因子连年上升，2016年达到5.240，在生物工程领域排名前五，超过了本领域的70多种期刊
- 目前还没有任何期刊拥有相同的内容，是本领域科研的必备期刊



工程领域的IOP期刊

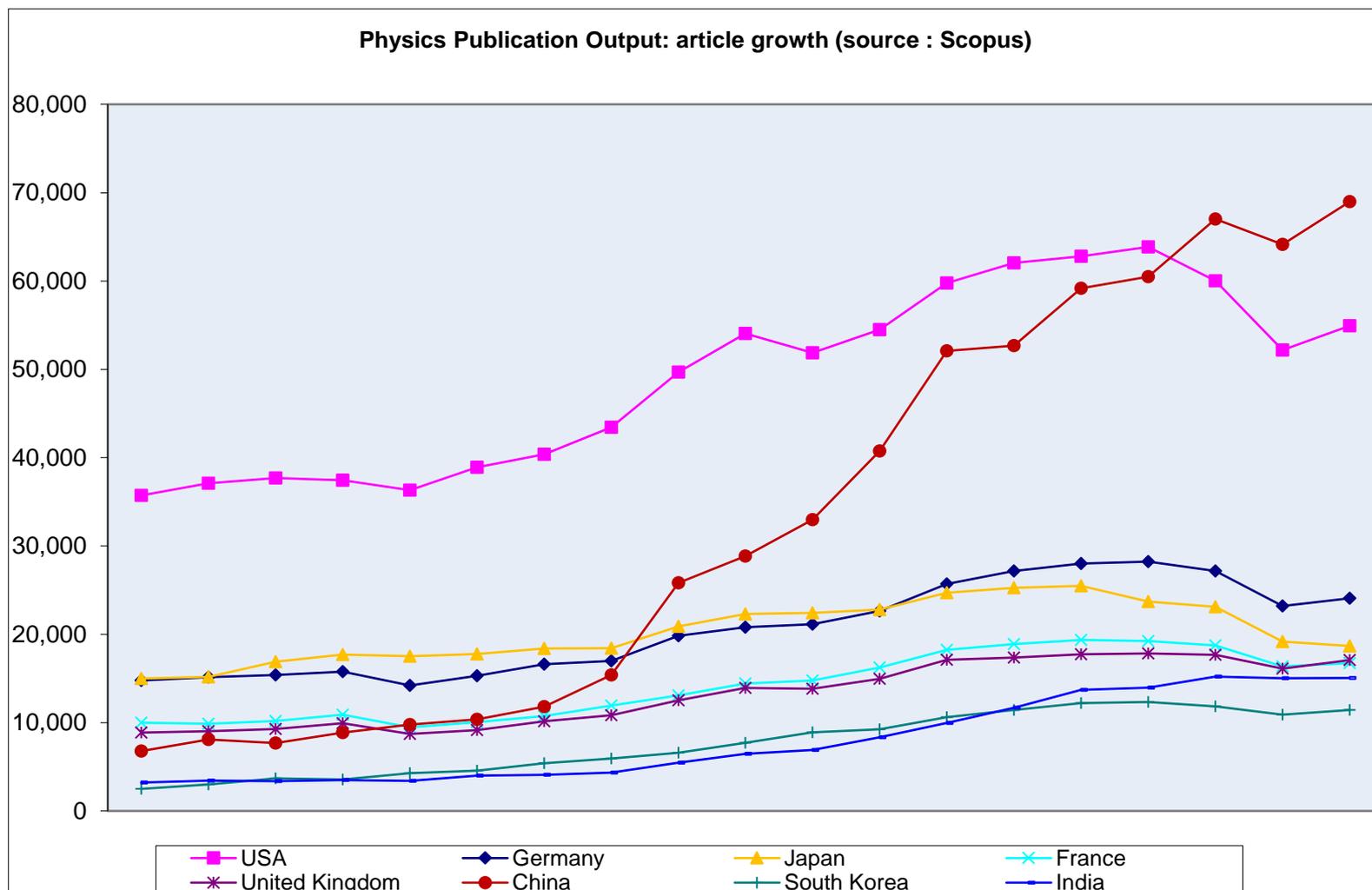
- 102,000 + articles
- >40 Journals



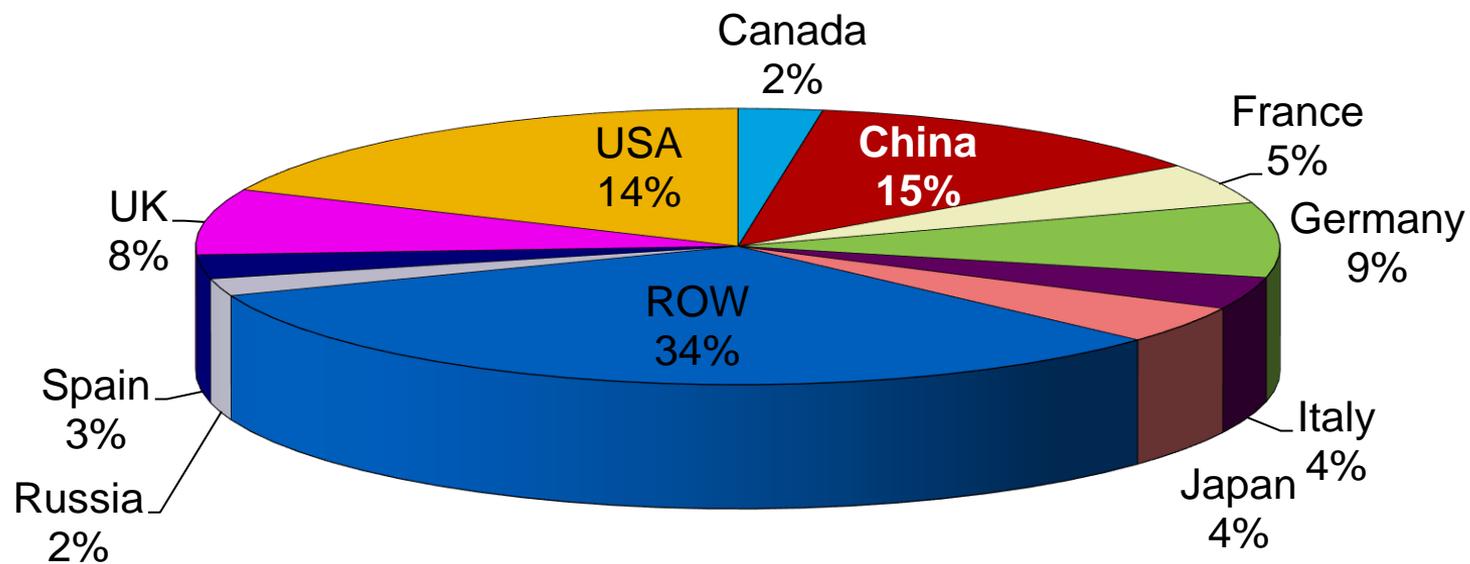
IOP出版下列学协会的期刊

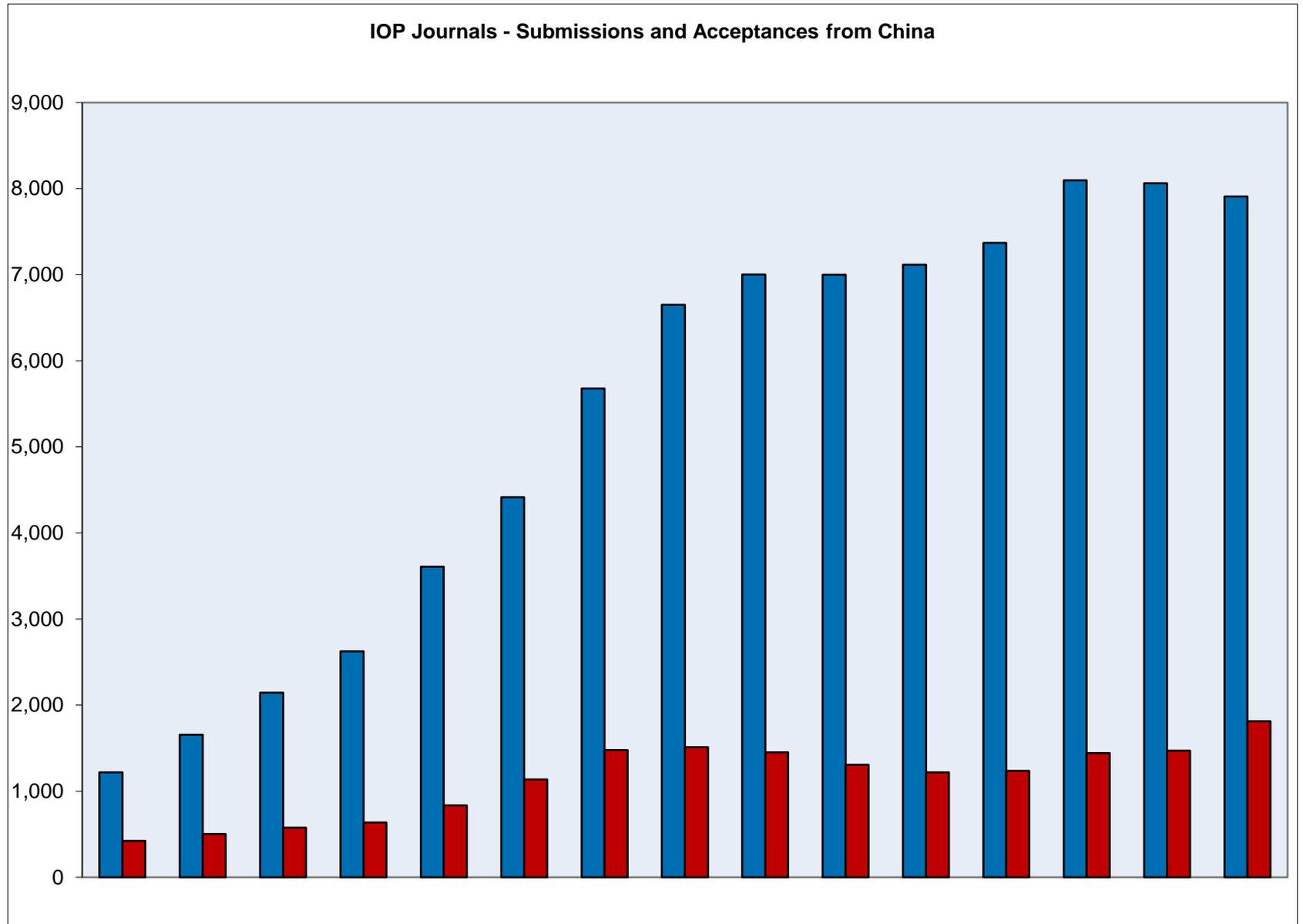
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德国物理学会	法国物理学会	俄罗斯科学院
欧洲光学学会	国际计量局	伦敦数学学会
国际原子能机构	瑞典皇家科学院	中科院等离子所和中国力学学会
医学物理和工程学会	美国电化学学会	国际呼吸研究协会和国际呼吸气味研究学会
日本流体力学会	放射保护学会	意大利里雅斯特国际高级研究生院
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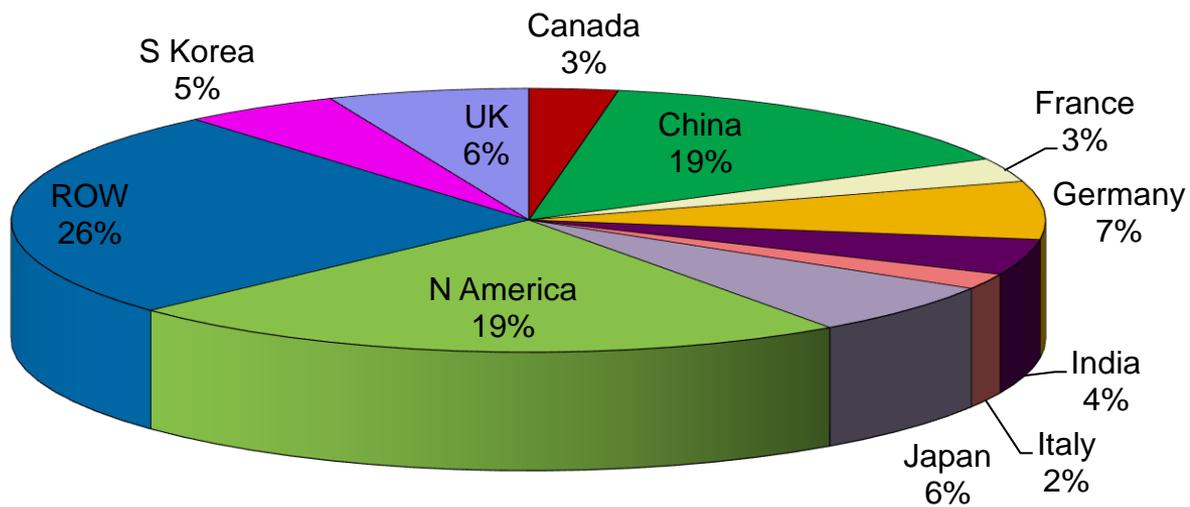
2019年IOP作者分布情况



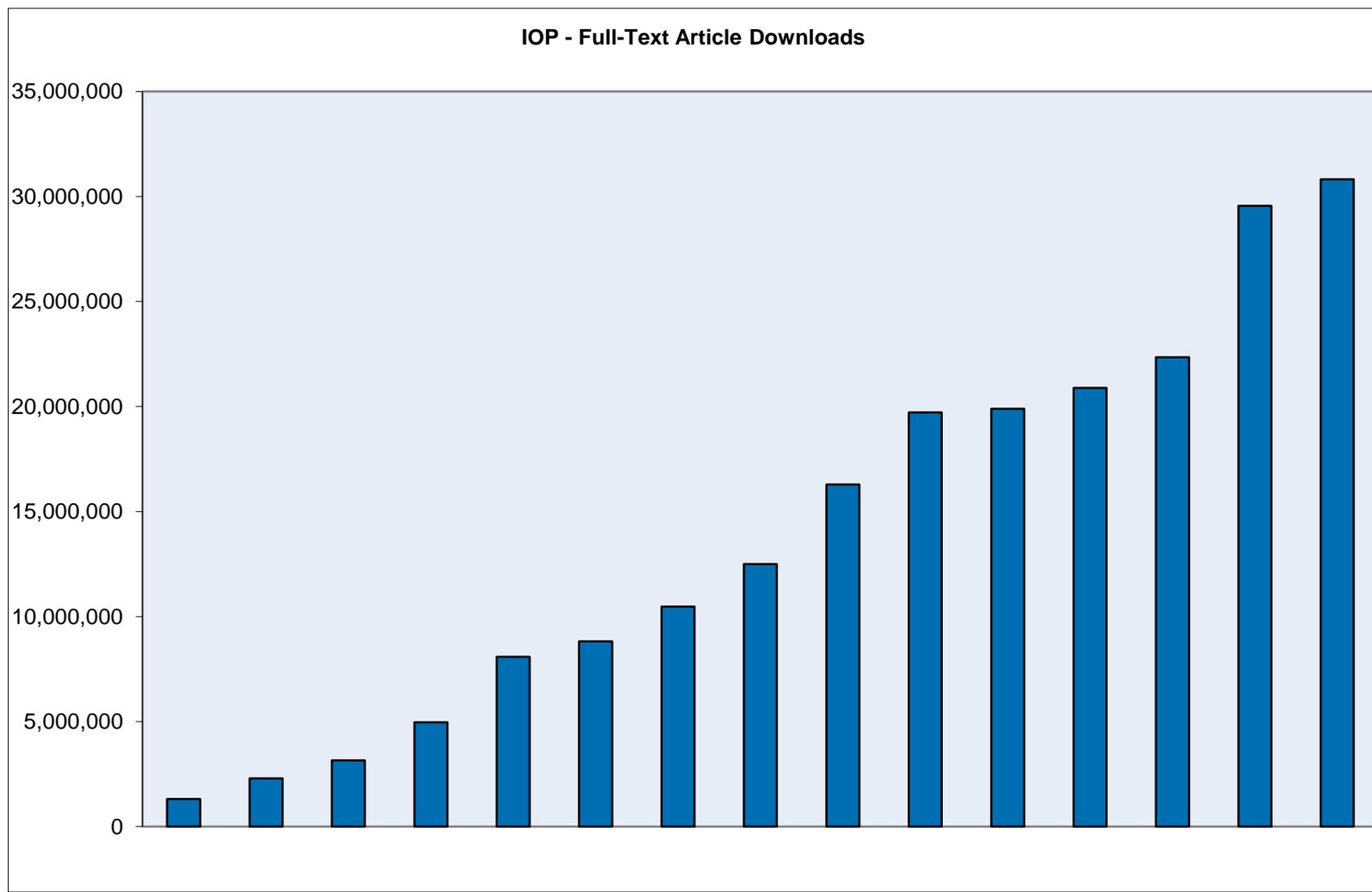


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IOP Journals - Full-Text Article Downloads by Country 2019



中国用户下载量示意图



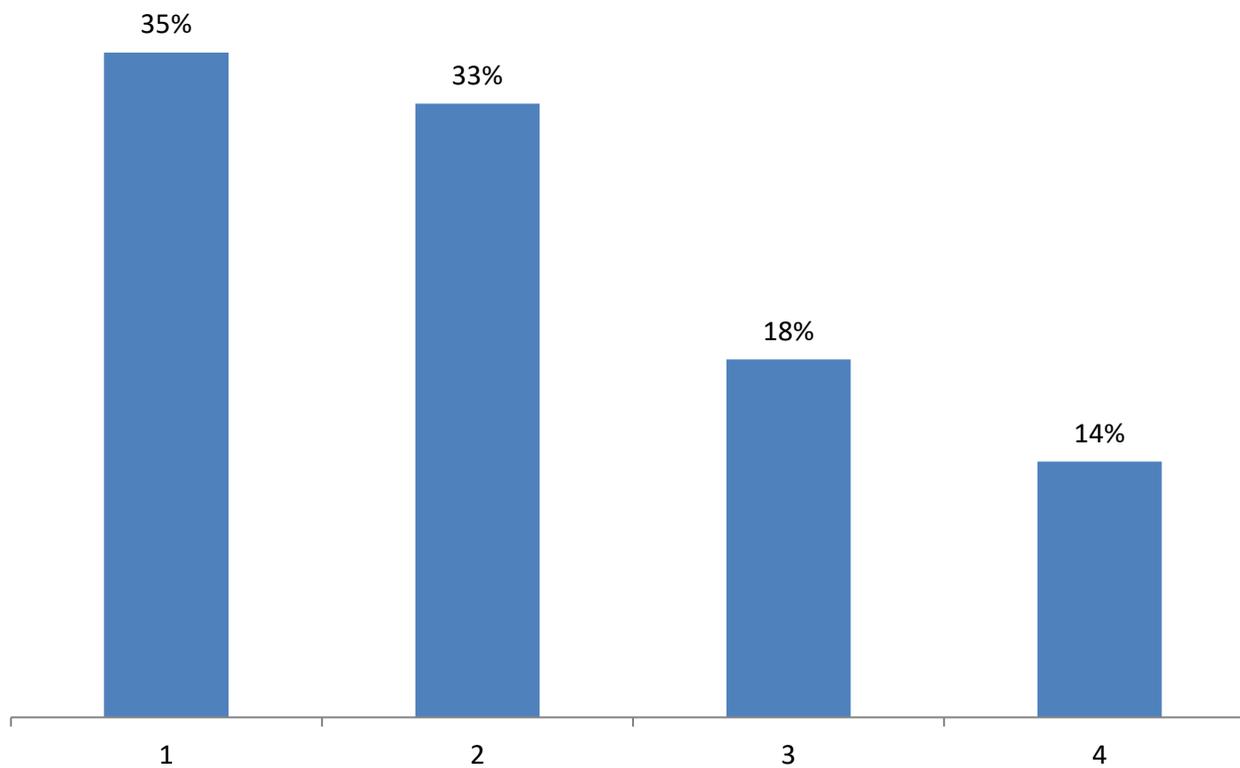
IOP-DRAA集团概况

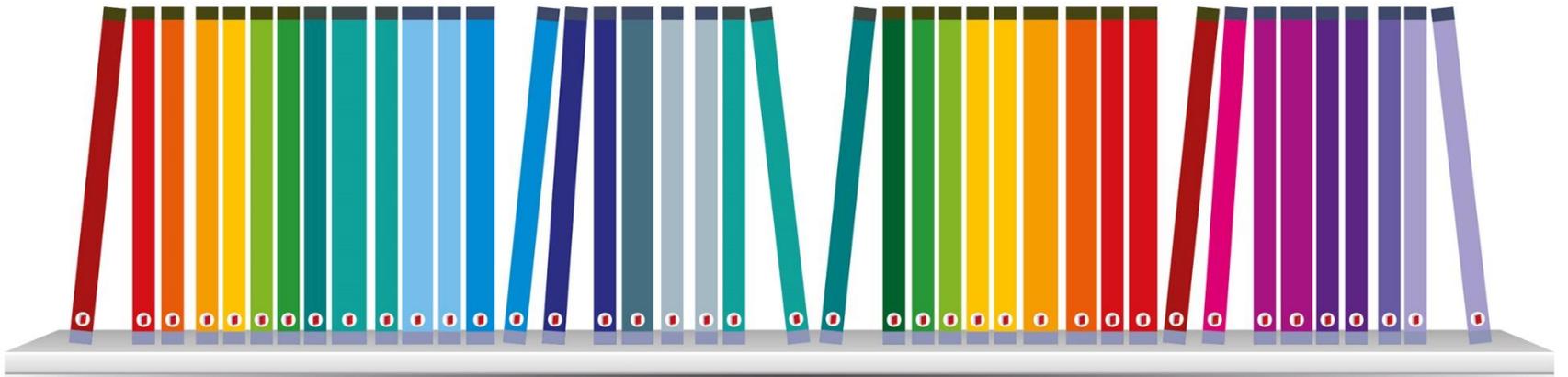
- IOP为DRAA集团成员开放78种电子期刊，78种电子期刊100%被SCI收录，47种期刊影响因子高于2。期刊综合影响因子：3.173
- 78种期刊包含DRAA组团的64种期刊+NSTL全国授权的14种期刊
- 2002年开始组团
- IOP-DRAA集团现有120家成员
- 用户增加中……

IOP经典系列期刊--Journal of Physics系列

期刊英文名称	期刊中文名称	影响因子
Journal of Optics	光学学报	1.741
Journal of Physics A: Mathematical and Theoretical	物理学学报A辑: 数理与理论物理学	1.857
Journal of Physics B: Atomic Molecular and Optical Physics	物理学学报B辑: 原子, 分子与光物理	1.792
Journal of Physics: Condensed Matter	物理学学报: 凝聚态物质	2.649
Journal of Physics: Conference Series	物理学学报: 会议录	ISTP会议录
Journal of Physics D: Applied Physics	物理学学报D辑: 应用物理学	2.588
Journal of Physics G: Nuclear and Particle Physics	物理学学报G辑: 核与粒子物理学	2.899

IOP期刊分区情况 - JCR





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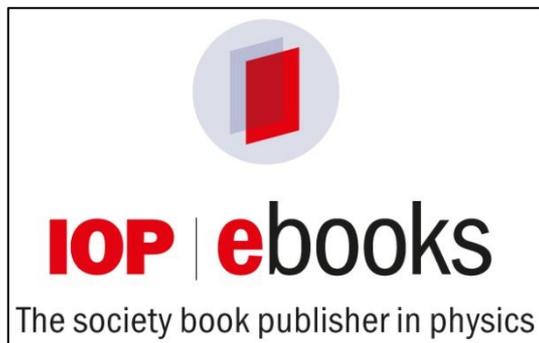
伦敦书展国际卓越成就奖中的国际学术和专业出版商奖

全球学术与专业出版者协会最佳创新奖



一个简单而大胆的梦想

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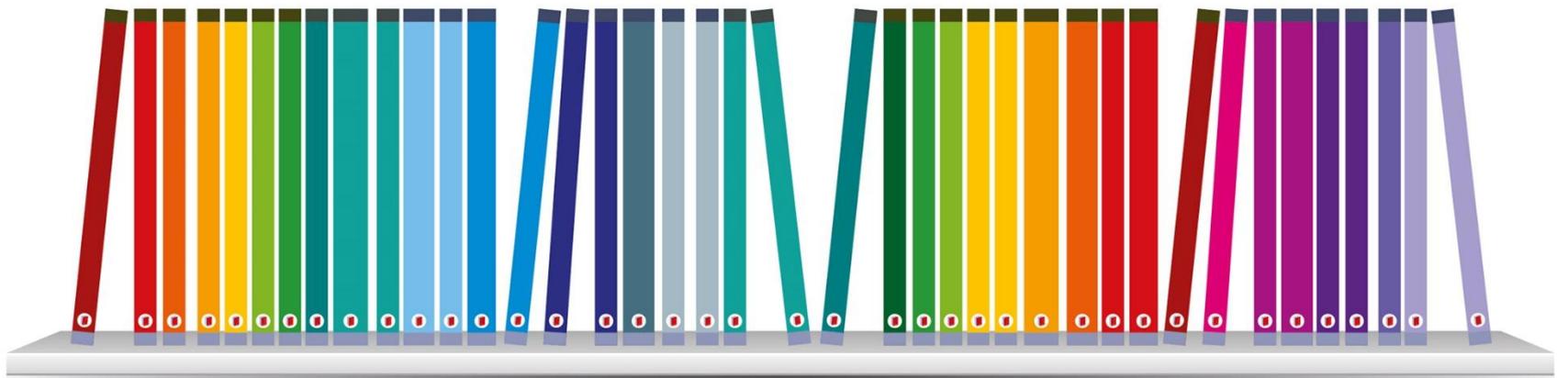


数字化- 一个面向未来的图书计划

领先声音- 高质量物理图书的精选集

物理学协会出版社 - 唯一的一家主流物理学协会图书出版社

数字化

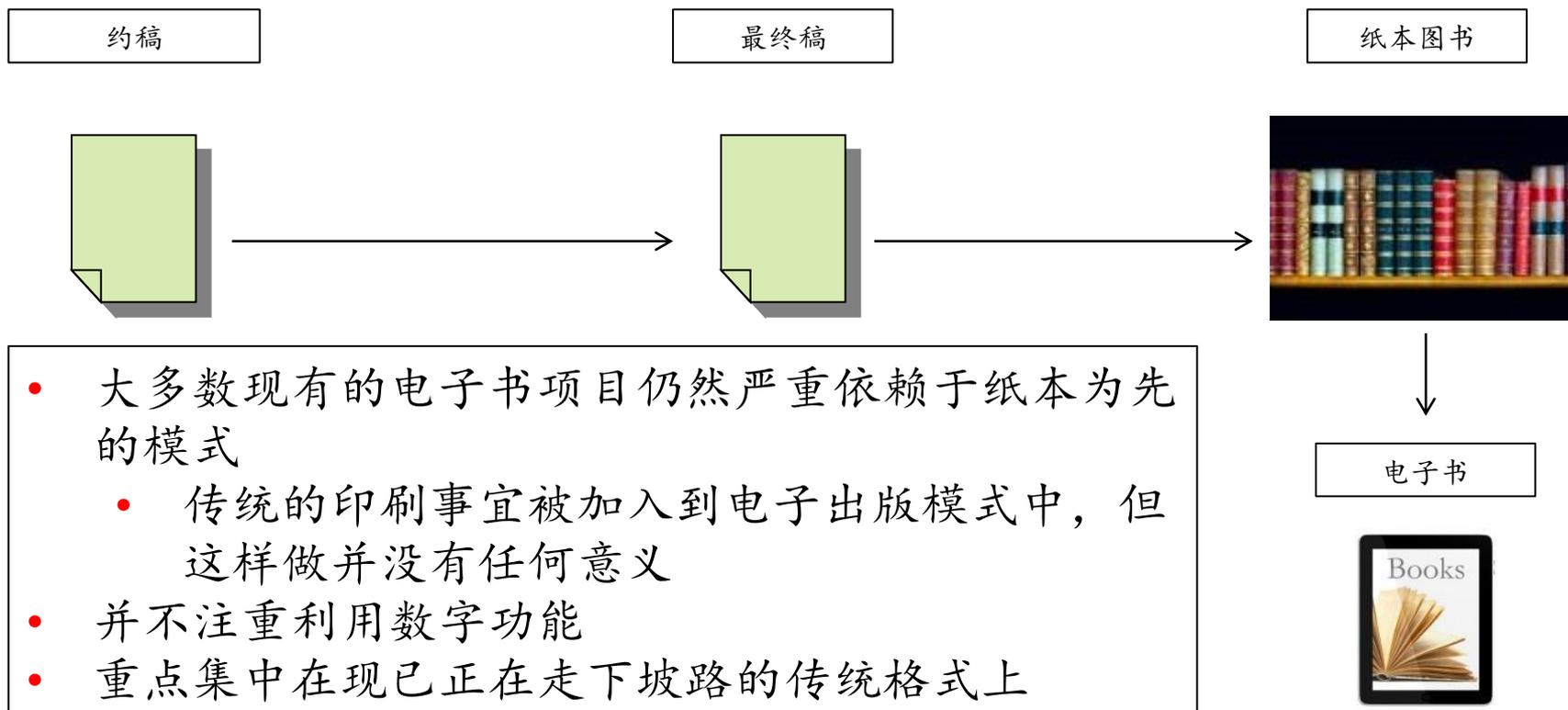


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较慢的生产时间和过程

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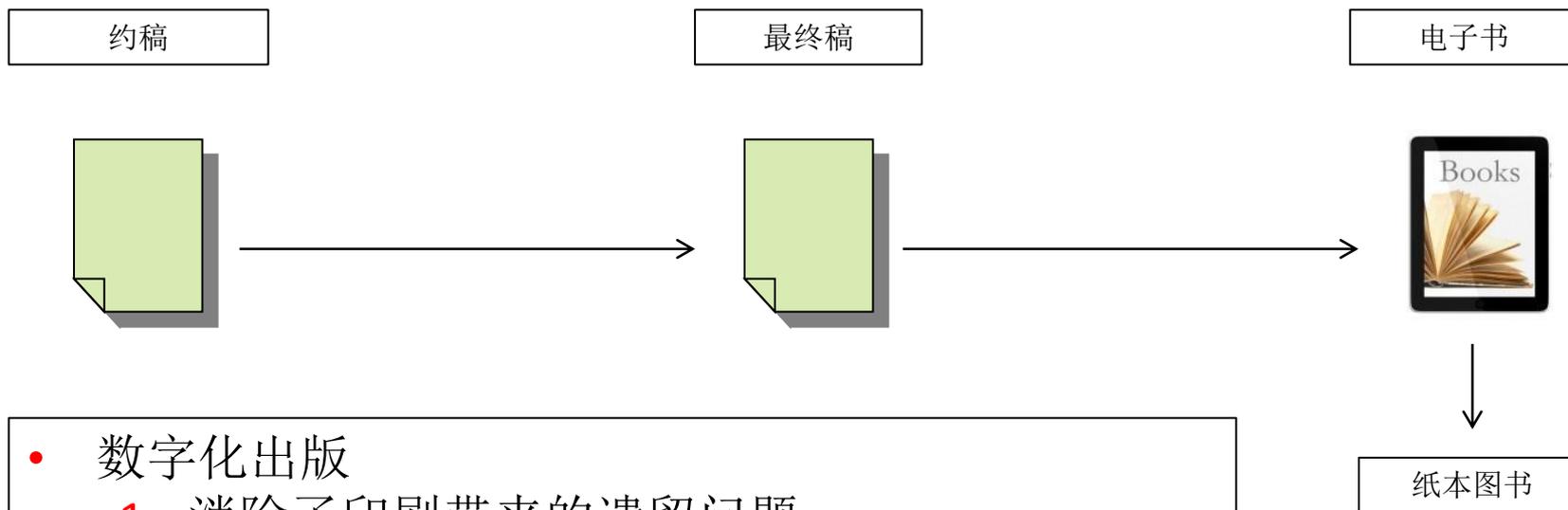


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税模式

快速的生产时间和过程
融入丰富的多媒体内容

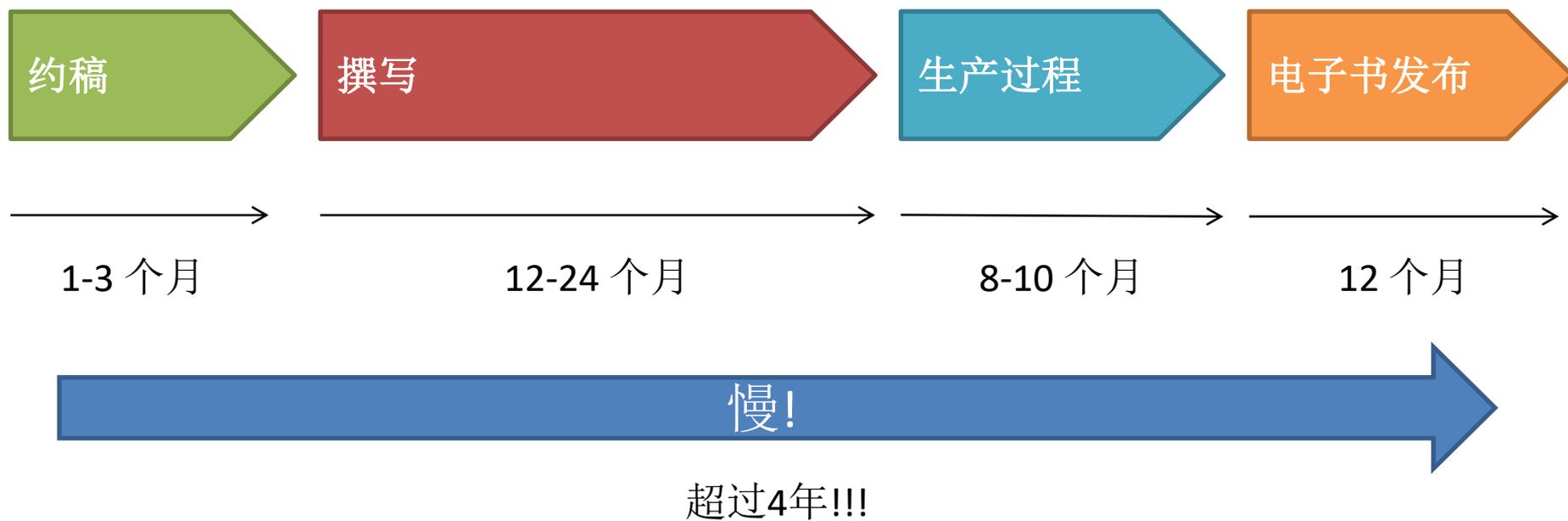
灵活的商业模式



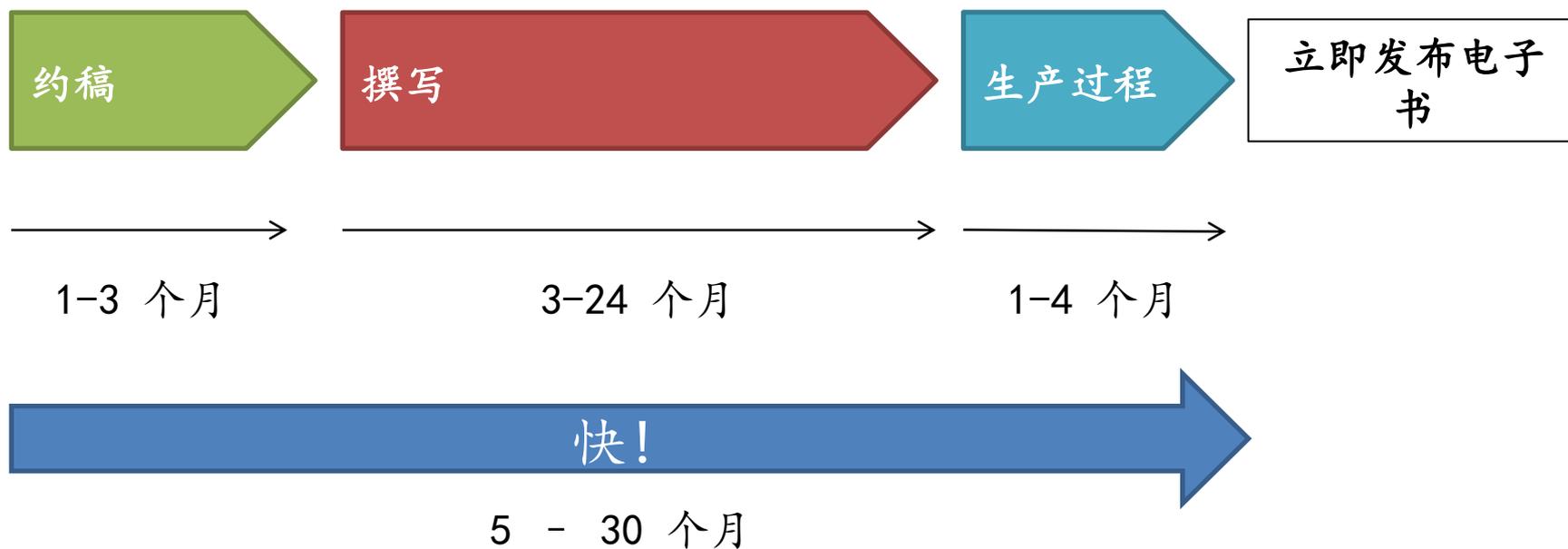
- 数字化出版
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 2. 专注于完全利用数字能力



业内一般图书出版流程



IOP 图书出版过程



数字化

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永久性- 无损坏、无需替换

提供使用统计数据及Marc数据

章节级HTML, PDF和ePUB3数据

完全融合的期刊和图书平台

无并发用户和DRM限制

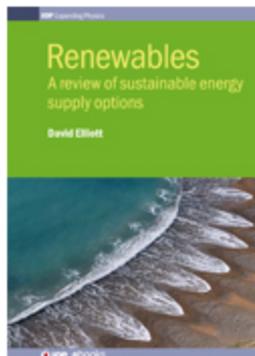
快速的出版时间- 在1-3个月内出版

多媒体嵌入- 音频和视频成为图书的一部分

交互式图表和数学公式

Renewables

A review of sustainable energy supply options



Introduction

Authors: Elliott David

[Hide affiliations](#)

David Elliott is Emeritus Professor of Technology Policy at the Open University, where he has focused on renewable energy policy.



PDF



ePub

D Elliott 2013 *Renewables* chapter 1. doi:10.1088/978-0-750-31040-6ch1

Published September 2013.

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[1.2 Which sources are emerging?](#)

[1.3 What are the problems?](#)

[1.4 The structure of this book](#)

Abstract

Renewable energy is a rapidly expanding field, based on the development of a range of new technologies and energy sources, the use of which could be part of the answer to climate change and energy security concerns. This book reviews the basic technological options and what is happening around the world, so as to convey the sense of excitement that abounds in this new area of technological development. But it also looks at the problems, including local environmental impacts and the need to deal with the variability of some renewable energy sources. This introduction sets the scene by briefly describing the key options and state of play, as well as some of the problems, and also provides a guide to energy units and issues.

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Renewable energy: an overview of the issues and options

Renewable sources of energy, sometimes simply called 'renewables', are increasingly being used to meet our needs. This book attempts to review the state of play and explain how and why this expansion can and should continue, and indeed accelerate.

关于电子书精选集

四个相辅相成的电子书精选集 - 同一平台

IOP 简明物理选集

- 简明 - 70-120 页
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- 跨学科 - 为物理学家和非物理学家提供的物理图书

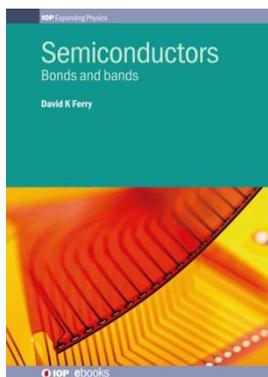
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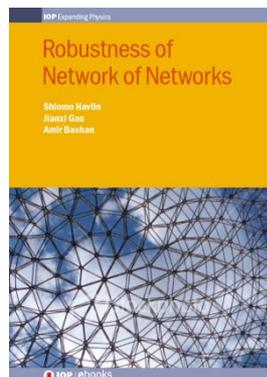
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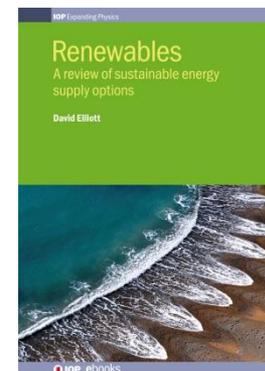
拓展物理 - 先导声音



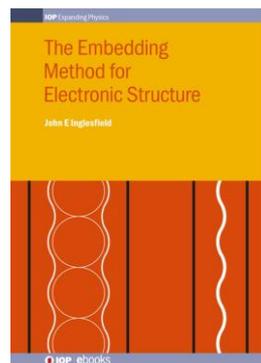
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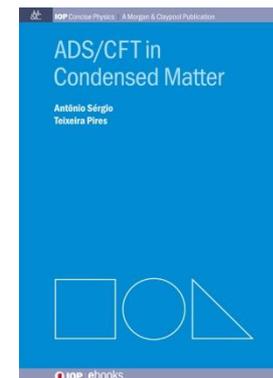
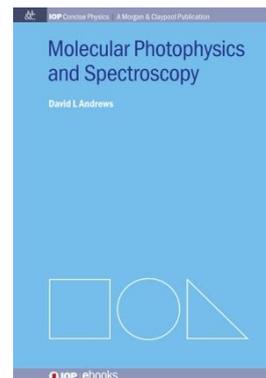
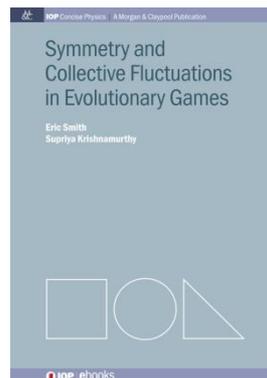
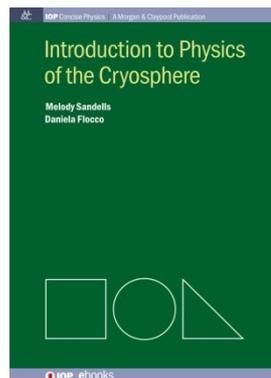
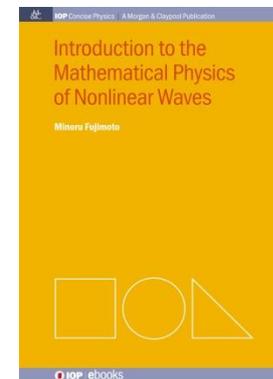
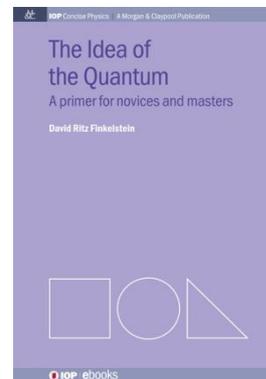
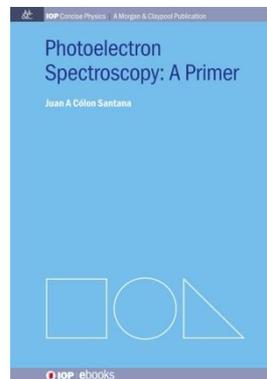
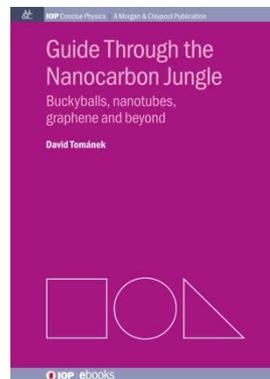
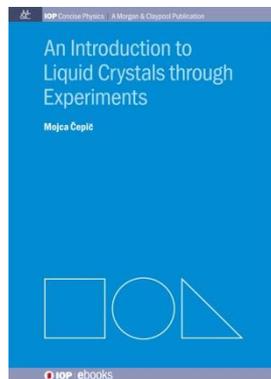


John Inglesfield教授
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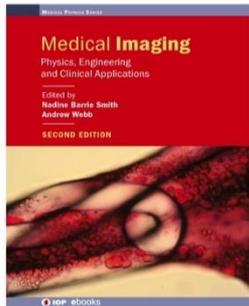
简明物理内容



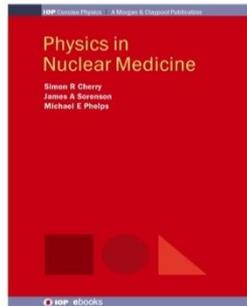
学科覆盖

广泛的学科范围 - 横跨整个物理学领域

medical titles

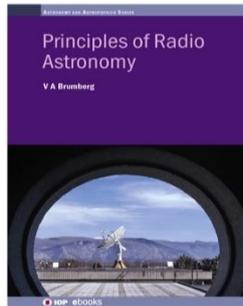


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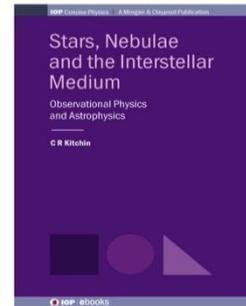


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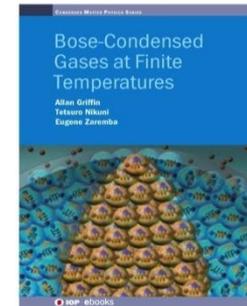


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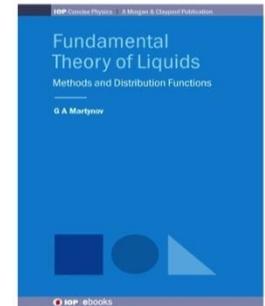


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nanoscience and nanotechnology

plasma physics series

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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, there is a navigation bar with 'IOPscience', 'Journals', 'Books', 'Publishing Support', and 'Login'. A search bar is located on the right side of the navigation bar. Below the navigation bar, there are several columns of content. On the left, there are links for 'Journals list', 'IOPselect', and 'Review articles'. In the middle, there are links for 'Subject collections', 'Publishing partners', and 'IOP Conference Series'. On the right, there are links for 'IOPcorporate', 'Open access', and 'Customer services'. A search bar is also present in the top right corner. Below the main content area, there are featured journals and latest books sections. Red lines and dots are drawn over the image to highlight specific features: a dot on the 'Publishing Support' link, a dot on the search bar, a dot on the 'Customer services' link, a dot on the 'Librarians' link, and a dot on the 'IOP ebooks' logo.

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检索结果与二次检索

The screenshot shows the IOPscience search results page for the query "nano". The search bar at the top contains "nano" and the search button is labeled "Search". Below the search bar, the results are titled "The top 500 results for 'nano' are:". On the left side, there is a "Refine your search" sidebar with several filter options: "Date published", "Journals", "Authors", "Publication type", and "Open access". Each filter has a plus sign and a dropdown arrow. The main content area displays a list of search results, each starting with "JOURNAL ARTICLE" and "OPEN ACCESS". The first result is "The effect of brushing with nano calcium carbonate and calcium carbonate toothpaste on the surface roughness of nano-implant" by D H Anag, D J Indran, and E Heris, published in 2017. The second result is "Characteristics of Cement Concrete with Nano Alumina Particles" by P Jagadeesha and C Raghunathan, published in 2017. The third result is "The Effect of Nano Loading and Ultrasonic Compounding of EtA/LDPE/Nano-magnesium Hydroxide on Mechanical Properties and Distribution of Nano Particles" by I A Adnan, R M Saleh, S M Alaudin, and M I Shuaib, published in 2018. The fourth result is "Preparation of SiC based Aluminium metal matrix nano composites by high intensity ultrasonic cavitation process and evaluation of mechanical and tribological properties" by N V Murthy, A Prasad Reddy, N Sekharaj, and C S P Rao, published in 2016. The fifth result is "Isocyanate-modified Nano-SiO₂ and Corresponding Process Optimization" by X F Ye, X Y Huang, B Yu, J N Wang, D C Chen, H W Hu, and M L Chang, published in 2017. The sixth result is "Fabrication of high-aspect-ratio nano structures using a nano x-ray shadow mask" by Ying Chun Kim and Seung S Lee, published in 2008. The seventh result is "Effect of nano-clay fillers on mechanical and morphological properties of Napier/epoxy Composites" by H H Lim, M S A Majid, M J M Ridwan, K S Basarudin, and M Afend, published in 2017. The eighth result is "The Effect of Mo addition in stainless steels on the corrosion behavior in the nano fluids contain Al₂O₃ nano particles" by Doro Hadi Prayitno and Dini Gusmanijarif.

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高级搜索和搜索结果

The screenshot shows the IOPscience search results page. At the top, there is a navigation bar with 'IOPscience', 'Journals', 'Books', 'Publishing Support', and 'Login'. A search bar contains 'Search IOPscience content' and a 'Search' button. To the right is an 'Article Lookup' dropdown. Below the navigation bar, a filter dropdown is set to '2D Mater. (2014 - present)'. On the left, a 'Refine your search' section includes 'Apply filters', 'Clear filters', and a list of filter categories: 'Date published', 'Journals', 'Authors', and 'Publication type'. The main content area displays search results for '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.' volume 76, issue 10. Each result includes a 'View abstract', 'View article', and 'PDF' link. A 'Sort by: Relevance' dropdown is visible. Annotations in Chinese provide instructions: one points to the search bar, another to the 'Refine your search' filters, and a third to the 'Sort by' dropdown.

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Subject Collections 学科选集

The screenshot shows the IOPscience website interface. At the top, there is a navigation bar with the IOPscience logo, links for Journals, Books, Publishing Support, and iopsciencecentral, a search bar for IOPscience content, and a Search button. Below the navigation bar, the main content area is titled "Subject collections" and includes a brief description: "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." Below this description is a grid of subject collection thumbnails, each with a title: Atomic and molecular physics, Education, Environment and energy, Instrumentation and measurement, Materials, Mathematics and computation, Optics and photonics, Particle and nuclear physics, and Plasmas. To the right of the subject collections is a vertical list of links for "About IOPscience", "About IOP Publishing", "IOP Publishing open access policy", "How to access IOPscience", "Your questions answered", "What our users say...", "Support materials", "Institutional login", "Accessibility", "Linking information", "STACIS", "Copyright, permissions & author rights", "IOP Journal Archive", "IOPscience extra", "IOPscience extra online banners", "Journal recommendation", "IOPcorporate", "Tutorials", "2016 Impact Factors for IOP Publishing journals", "IOP Publishing Young Researchers' Meeting: Frontiers in Fundamental and Applied Physics", "Peer Review Week Survey: Contribution Terms & Conditions", "Peer Review Week 2017", "tutorials-french", "2017 Nobel Prize Collection", and "Emerging Leaders Award".

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。

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这些服务项目现仅限用于部分期刊。

The screenshot shows the IOPscience website interface for the Journal of Physics: Condensed Matter. Key features include:

- Navigation:** IOPscience logo, Journals menu, IOPscience Central link, Search bar, and Article lookup dropdown.
- Journal Information:** Journal of Physics: Condensed Matter, ISSN 0953-8984 (Print), ISSN 1361-648X (Online).
- Volume Listings:** A section with dropdown menus for 'Current volume' (Number 30, 31 July 2013) and 'Journal archive' (Vol 25, 2013), along with a 'Go' button and a 'Find article' button.
- LabTalk:** A section with 'Most recent' and 'Most read' tabs. The 'Most read' tab displays several articles with thumbnails and titles, such as 'Pyrene wire as a graphene nanoribbon' and 'Monocrystalline room-temperature ferromagnet/semiconductor heterostructures'.
- Editorial & News:** A section with 'Most cited papers', 'Highlights of 2012', 'Multiferroics', 'Graphene', and 'Topical Review Collection'.
- View by subject:** A section at the bottom with dropdown menus for 'All Subjects', 'All Dates', and radio buttons for 'All journals' and 'This journal only', along with a 'Search' button.

论文页面



2D Materials

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

C S Woodhead¹, J Roberts¹, Y J Noh¹ and R J Young¹

Published 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, quantum computing, and catalysis. However, the low light extraction efficiency of these materials is a major challenge. 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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Abstract

Introduction

Results and discussion

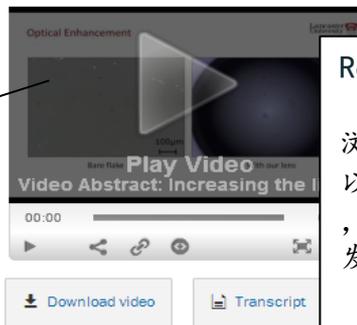
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1.6.1. Tidal gravitational forces

Let us first start by describing tidal gravitational forces in Newtonian physics. The force of gravity exerted by an object of mass M on a particle of mass m a distance r away is $\vec{F} = -\hat{r}GMm/r^2$, where \hat{r} is the unit vector pointing from M to m and r is the distance between the center of M and m . The corresponding acceleration is $\vec{a} = -\hat{r}GM/r^2 = -\nabla\phi$. We assume now that the mass m is spherical of radius Δr . The distance of M and the center of m is r . The force of gravity exerted by the mass M on a particle of mass m at a distance $r \pm \Delta r$ away on the line joining the centers of M and m is given by $\vec{F} = -\frac{GMm}{r^2}$. The corresponding acceleration is

$$\vec{a} = -\hat{r}GM \frac{1}{(r + \Delta r)^2} = -\hat{r}GM \frac{1}{r^2} \quad (1.99)$$

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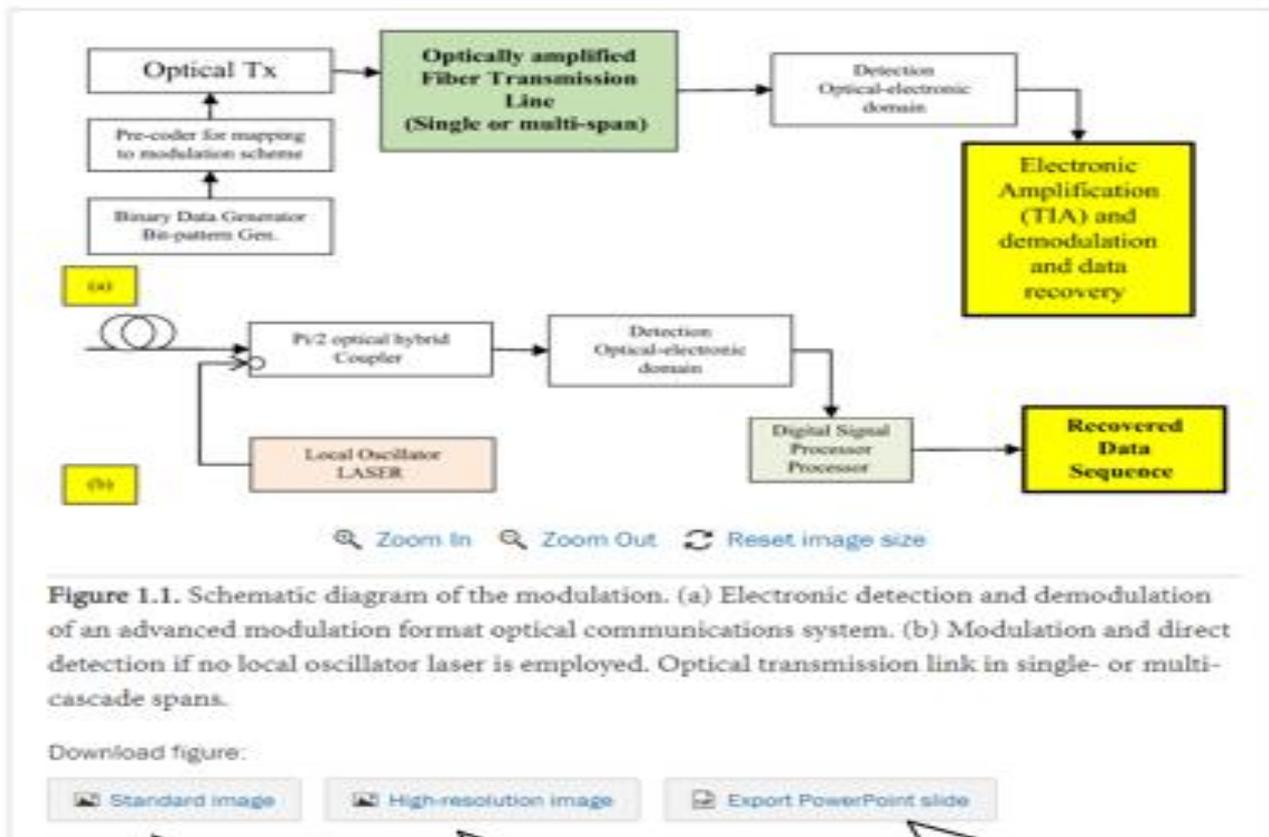
嵌入式多媒体

that has given us this high technology life. This is nicely illustrated by Professor Jesper Nygård in the video of figure 1.1. Several research technologies are discussed in this video, and we will treat many of them in the following chapters of this book.



Figure 1.1. Jesper Nygård on nanotechnology, artificial atoms, and the future of computing. (Video hosted by Professor [Jesper Nygård](#), Neils Bohr Institute, and produced by the Compound for Neils Bohr Institute, included [here](#) with their permission.)

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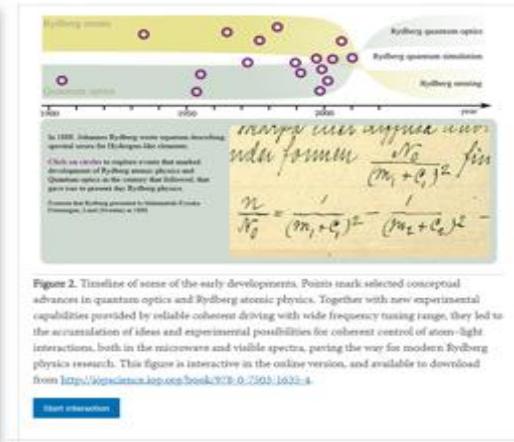
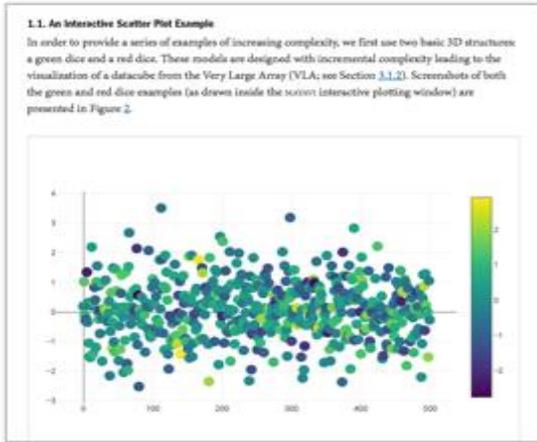
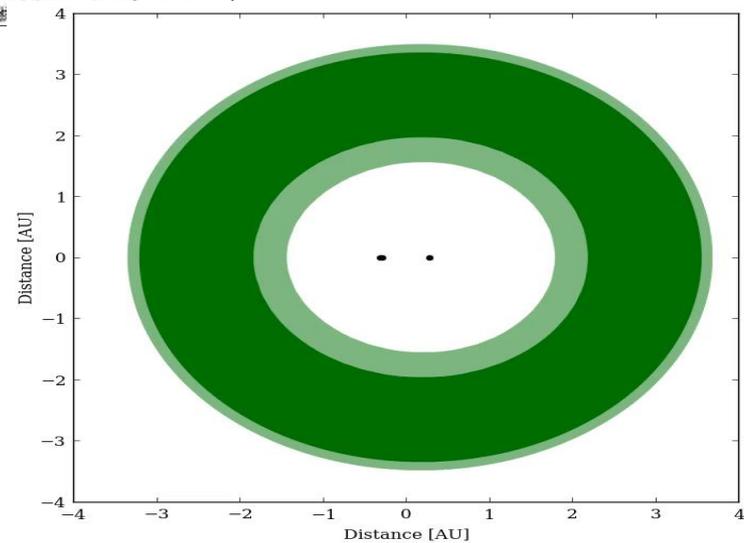


Figure 2. Timeline of some of the early developments. Points mark selected conceptual advances in quantum optics and Rydberg atomic physics. Together with new experimental capabilities provided by reliable coherent driving with wide frequency tuning range, they led to the accumulation of ideas and experimental possibilities for coherent control of atom-light interactions, both in the microwaves and visible spectra, paving the way for modern Rydberg physics research. This figure is interactive in the online version, and available to download from <http://www.science.iop.com/book/978-0-7503-1632-4>.

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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'. A search bar is present with the text 'Search all IOPscience content' and a 'Search' button. Below the navigation bar, the page title 'Publishing Support' is displayed. A blue banner contains a search bar with 'All' and 'Search Publishing Support'. The main content area is divided into several sections: 'Authors' (with a pen icon), 'Conference Organisers' (with a group icon), 'Journals' (with a list of links), 'Conference proceedings' (with a list of links), 'Useful links' (with a list of links), and 'step guides' (with a list of links). A 'Welcome to Publishing Support' section is also visible at the bottom left.

Click the Publishing Support button on the homepage to enter the publishing support page.

You can also use keyword search to find related information.

Here, whether you are an author, reviewer, or conference organizer, we provide rich information to guide your publishing process.

Here you can view some commonly used links.

It also includes various guides such as author guidelines, review process guides, and copyright information.

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