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Wang Yang| Account Manager, China

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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

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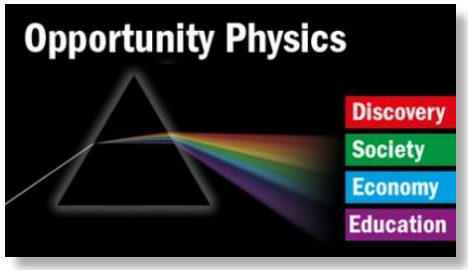
关于英国物理学会Institute of Physics

- 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

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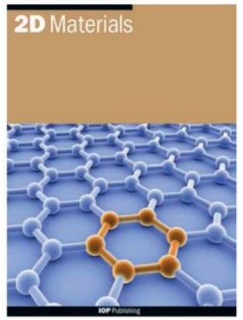
IOP期刊的学科覆盖范围

- 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》

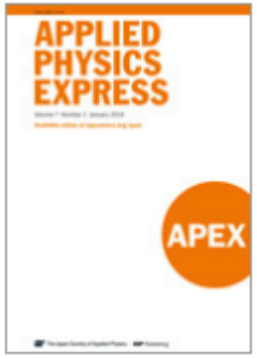
- 计量学领域中的领先期刊
- 影响因子为3.411
- 是从事测量标准和校准的必备读物

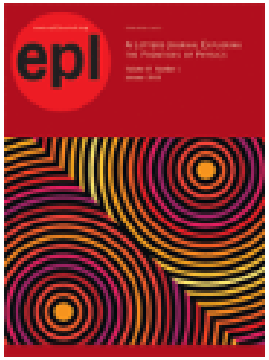
Biofabrication 《生物制造》

- 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

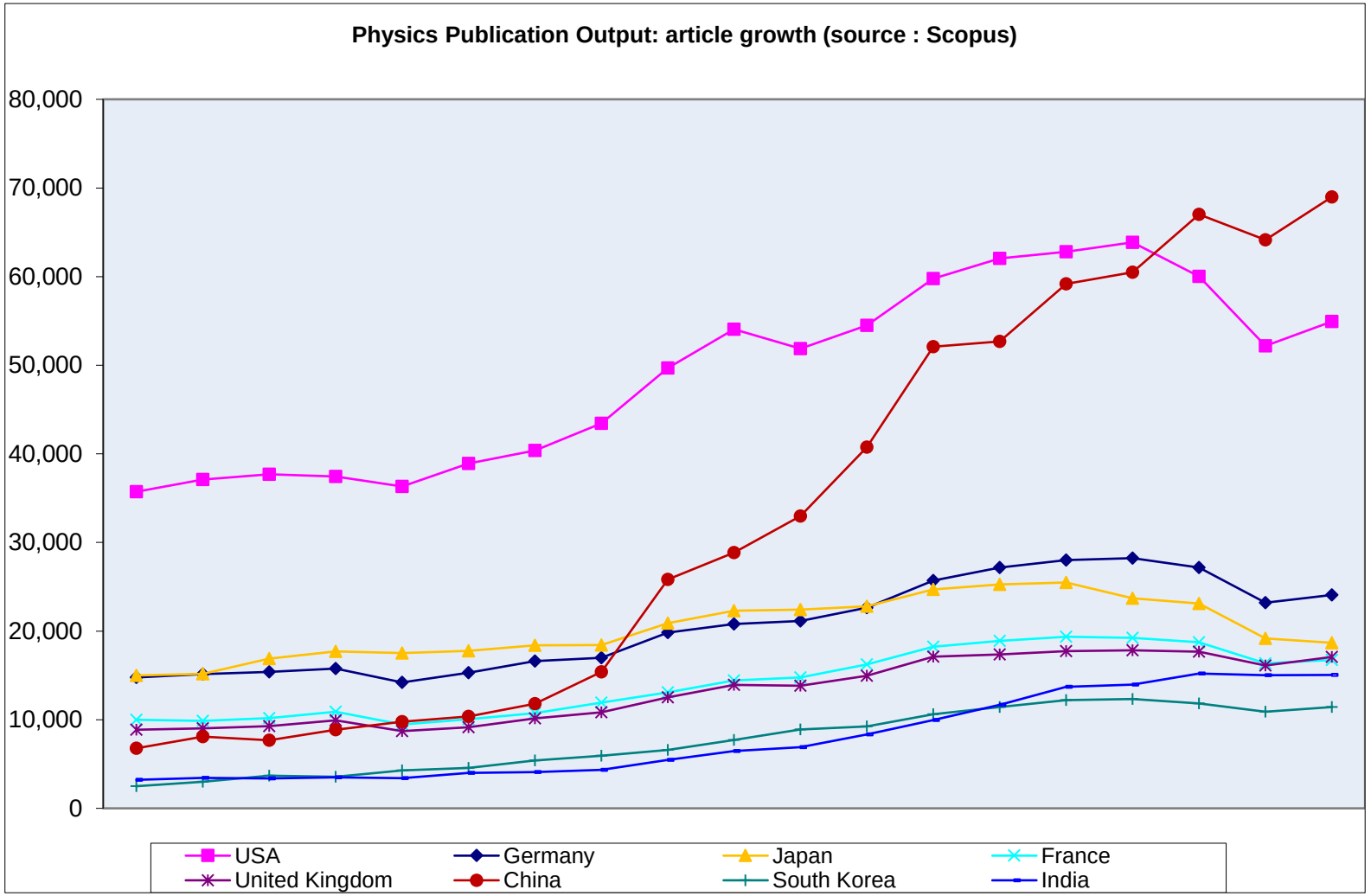




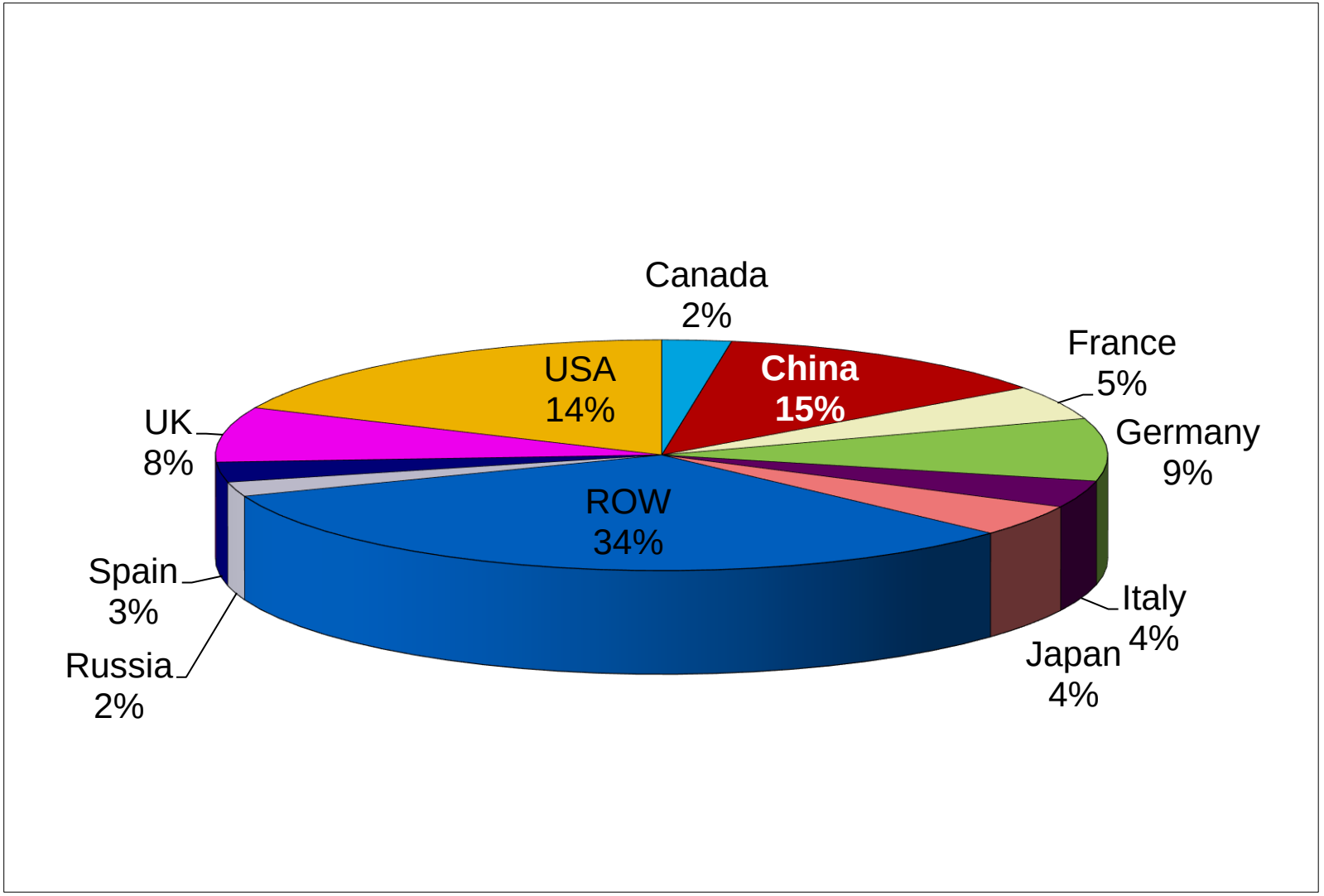
IOP出版下列学协会的期刊

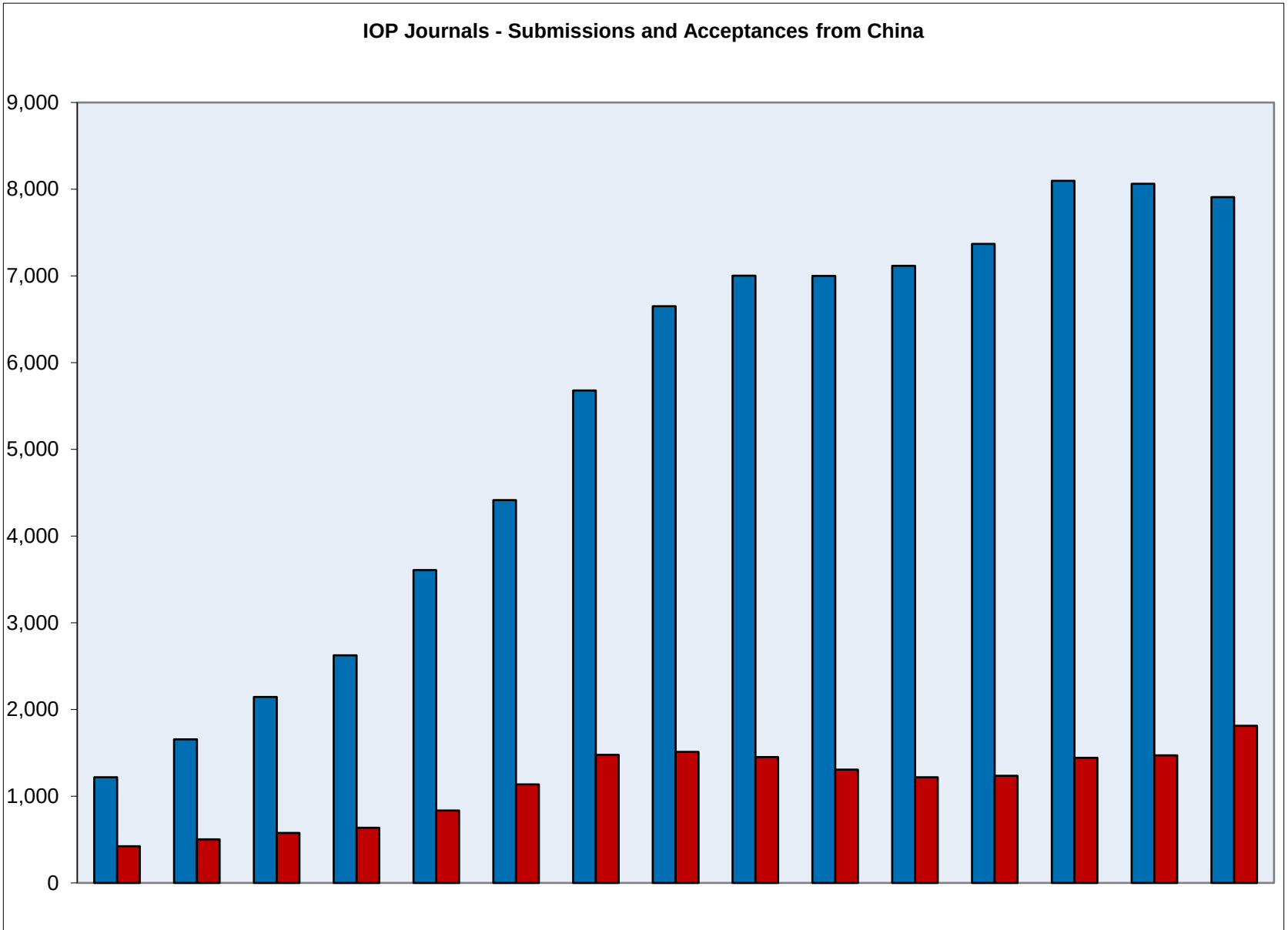
英国物理学会	中国物理学会	欧洲物理学会
德国物理学会	法国物理学会	俄罗斯科学院
欧洲光学学会	国际计量局	伦敦数学学会
国际原子能机构	瑞典皇家科学院	中科院等离子所和中国力学学会
医学物理和工程学会	美国电化学会	国际呼吸研究协会和国际呼吸气味研究学会
日本流体力学会	放射保护学会	意大利里雅斯特国际高级研究生院
中国天文学会	美国天文学会	

物理学文章出版量比较图

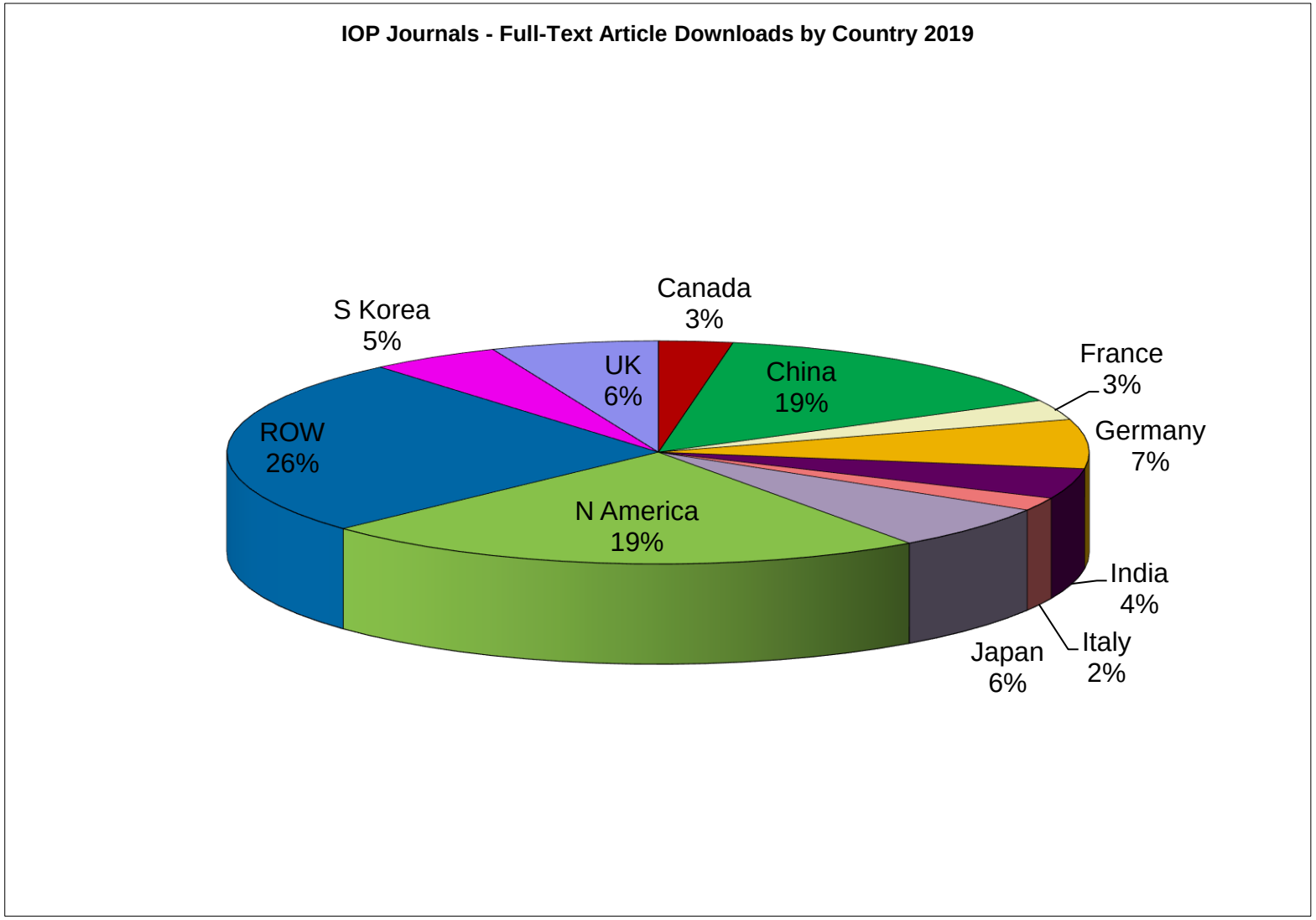


2019年IOP作者分布情况




IOP Journals - Submissions and Acceptances from China
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0

IOP全球下载量示意图



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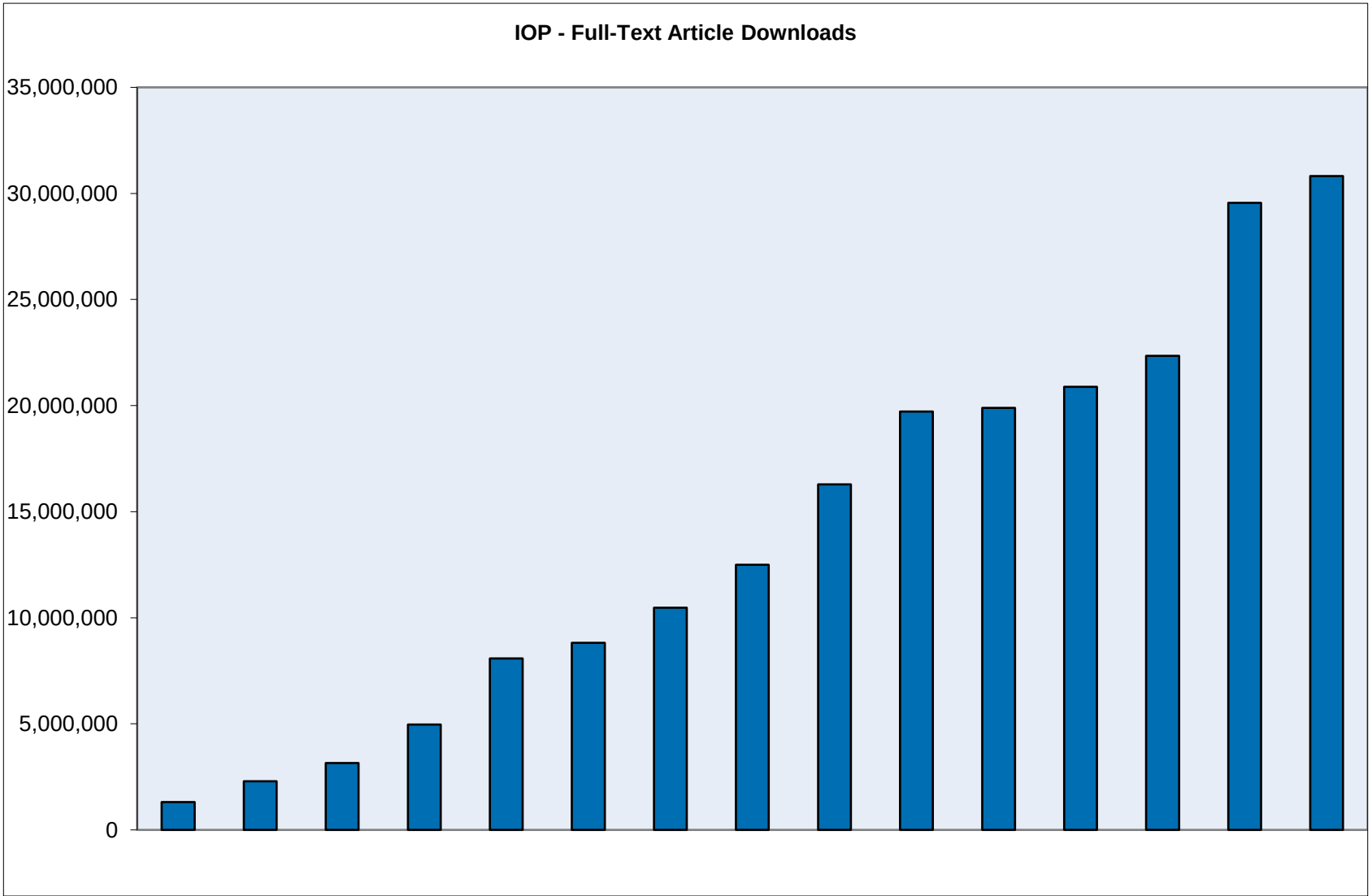
中国用户下载量示意图



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……

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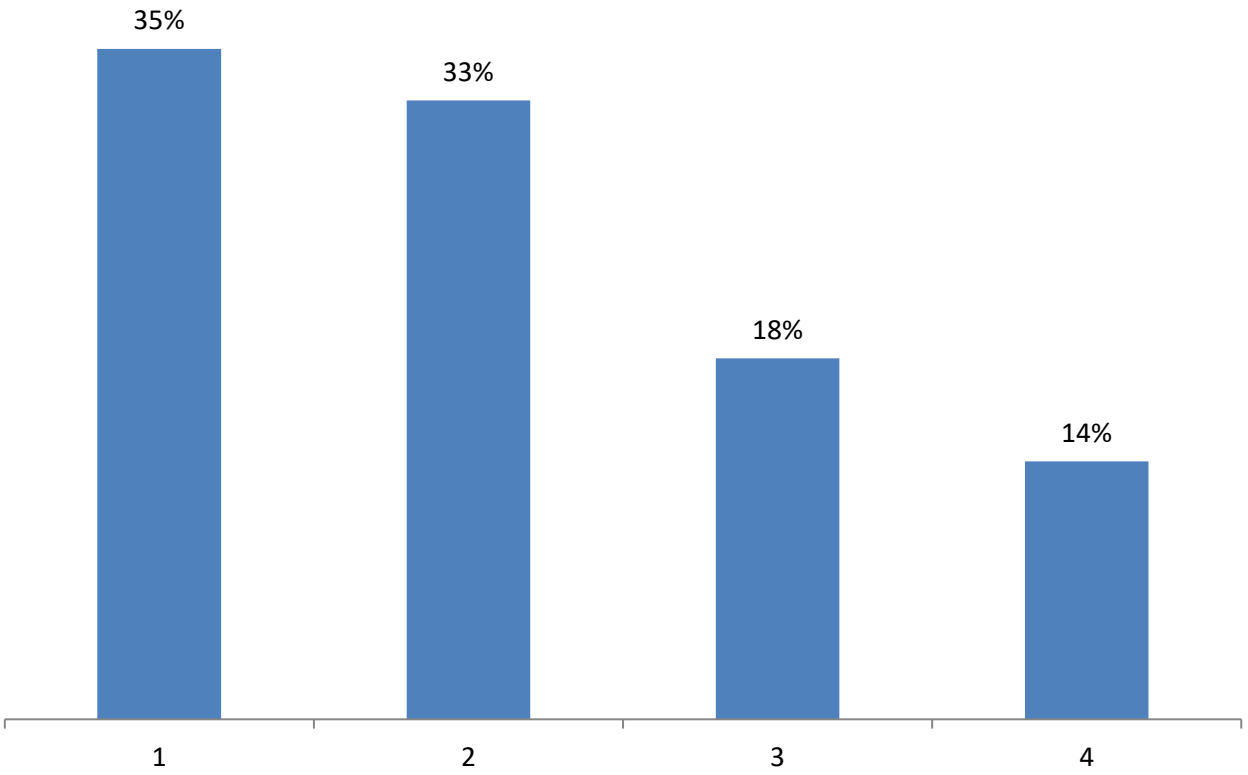
IOP经典系列期刊--Journal of Physics系列		
期刊英文名称	**期刊中文名称**	**影响因子**
Journal of Optics	**光学学报**	1.741
Journal of Physics A: Mathematical and Theoretical	**物理学学报A辑：数理与理论物理学**	1.857
Journal of Physics B: Atomic Molecular and Optical Physics	**物理学学报B辑：原子，分子与光物理**	1.792
Journal of Physics: Condensed Matter	**物理学学报：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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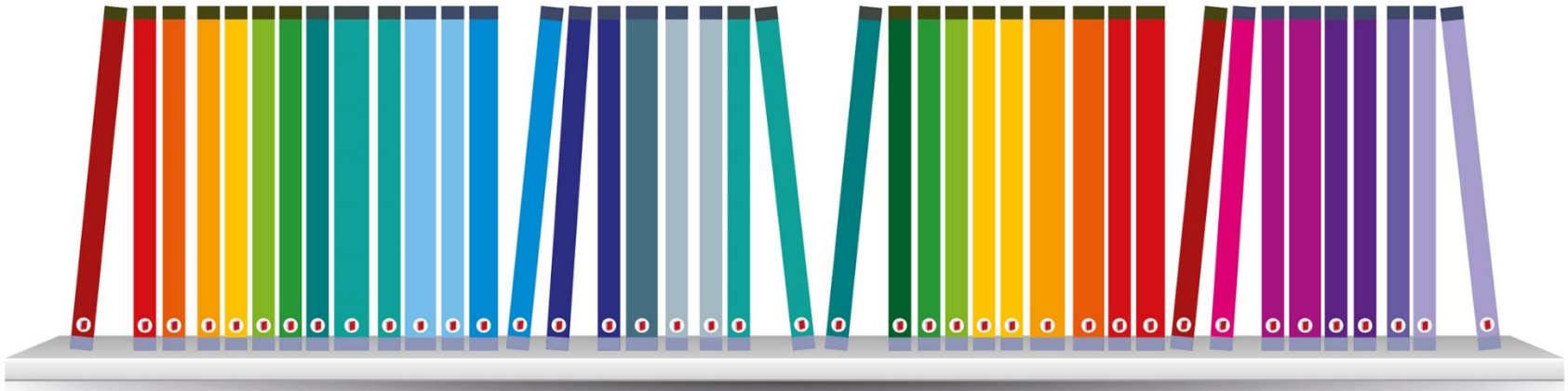


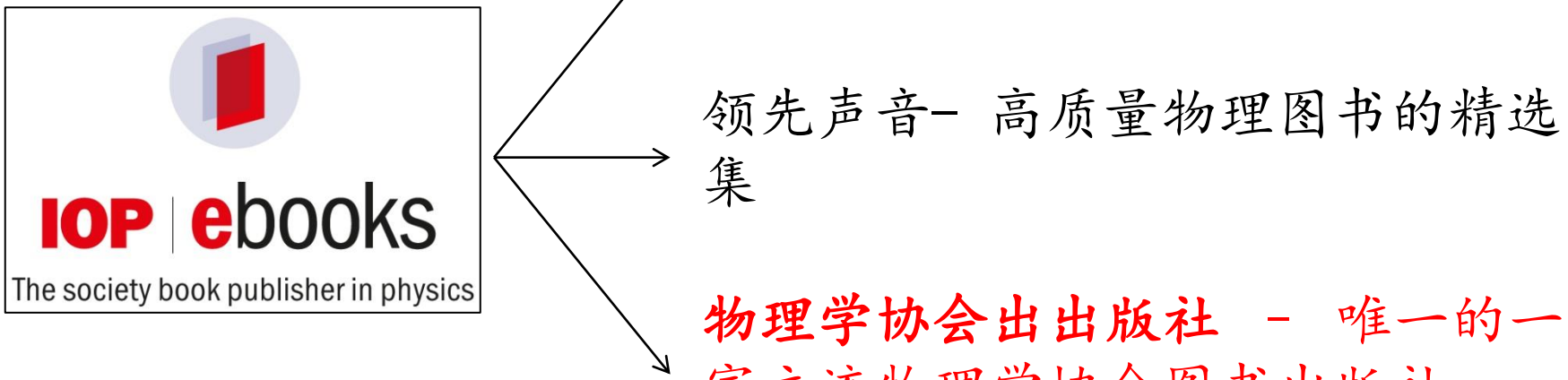
IOP电子书获得的国际奖项

伦敦书展国际卓越成就奖中的国际学术和专业出版商奖

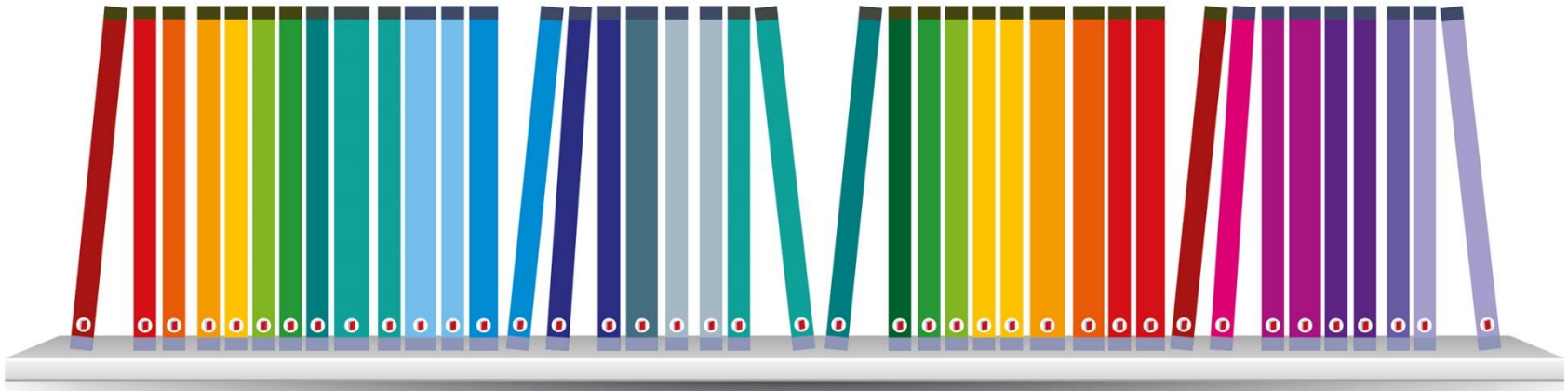
全球学术与专业出版者协会最佳创新奖

一个简单而大胆的设想

数字化的物理图书**先导选集**



数字化

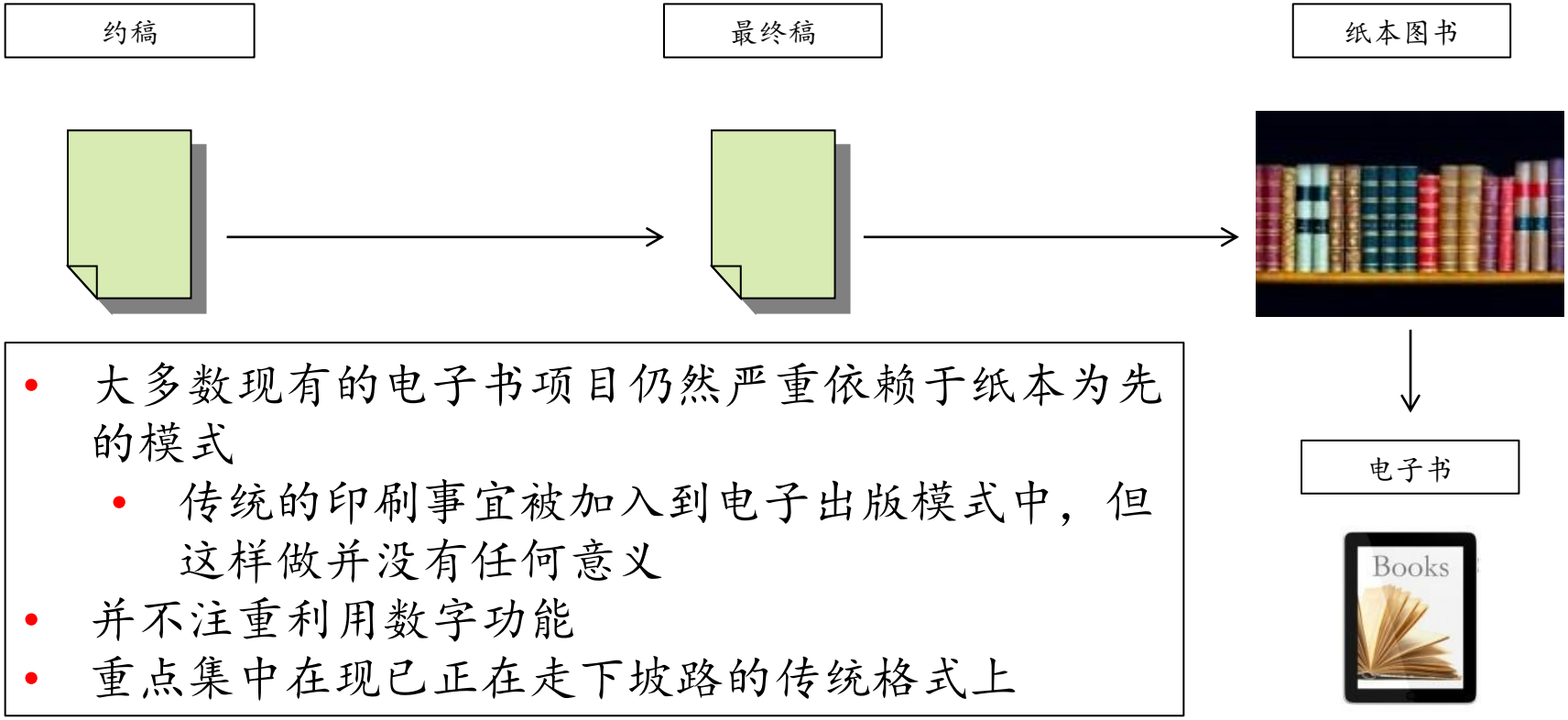


现有的出版商 – 传统的印刷方法

基于纸本销售的版税模式

较慢的生产时间和过程

数字版权管理



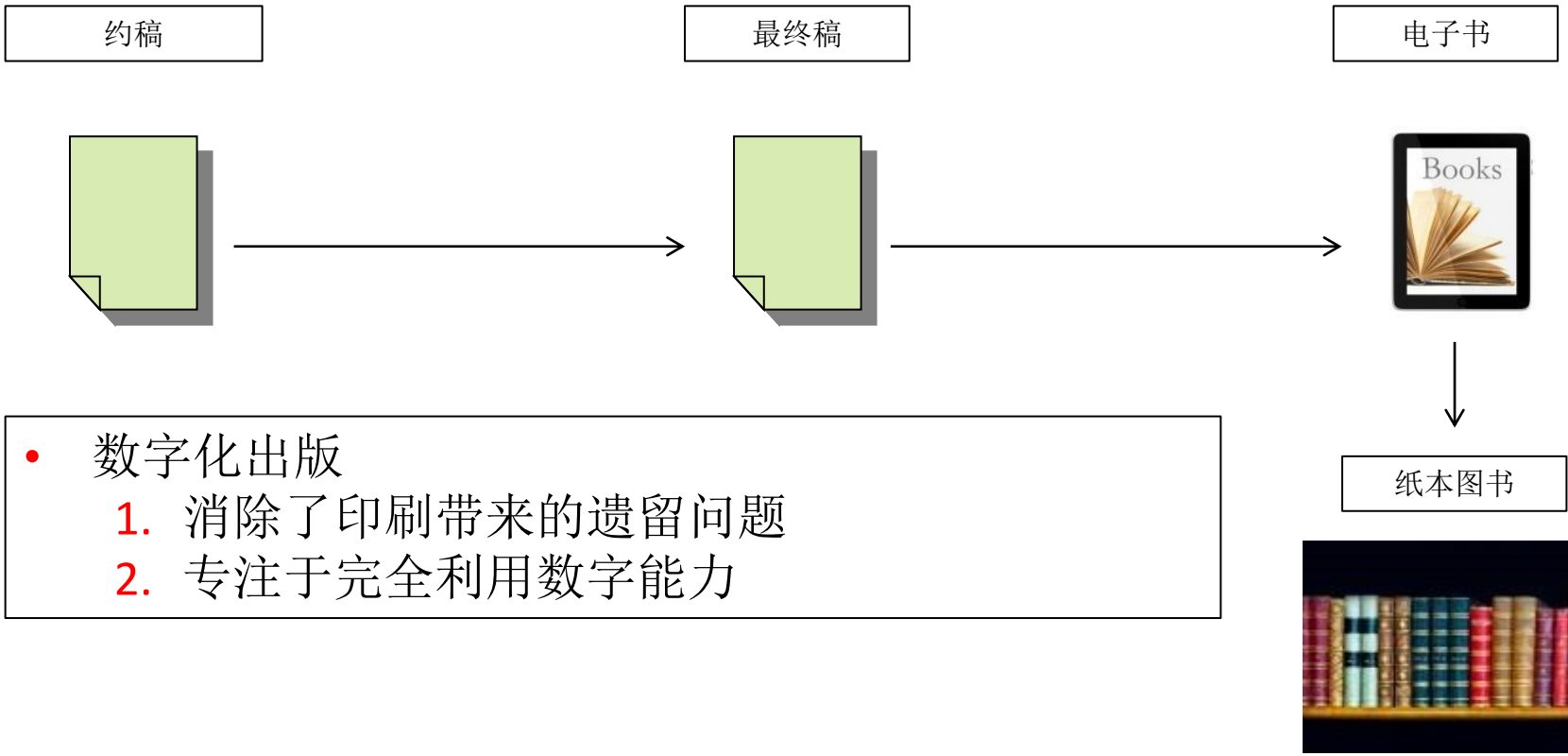
- 大多数现有的电子书项目仍然严重依赖于纸本为先的模式
  - 传统的印刷事宜被加入到电子出版模式中，但这样做并没有任何意义
- 并不注重利用数字功能
- 重点集中在现已正在走下坡路的传统格式上

IOP 的方法 – 数字化出版

基于电子销售的版税模式

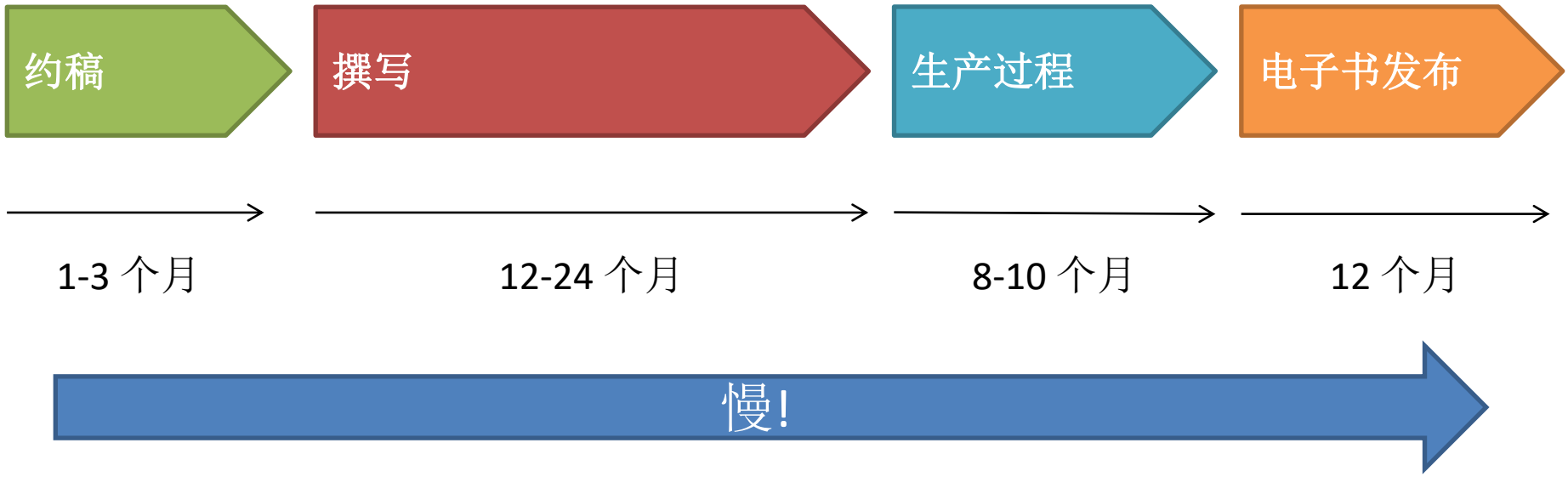
快速的生产时间和过程融入丰富的多媒体内容

灵活的商业模式

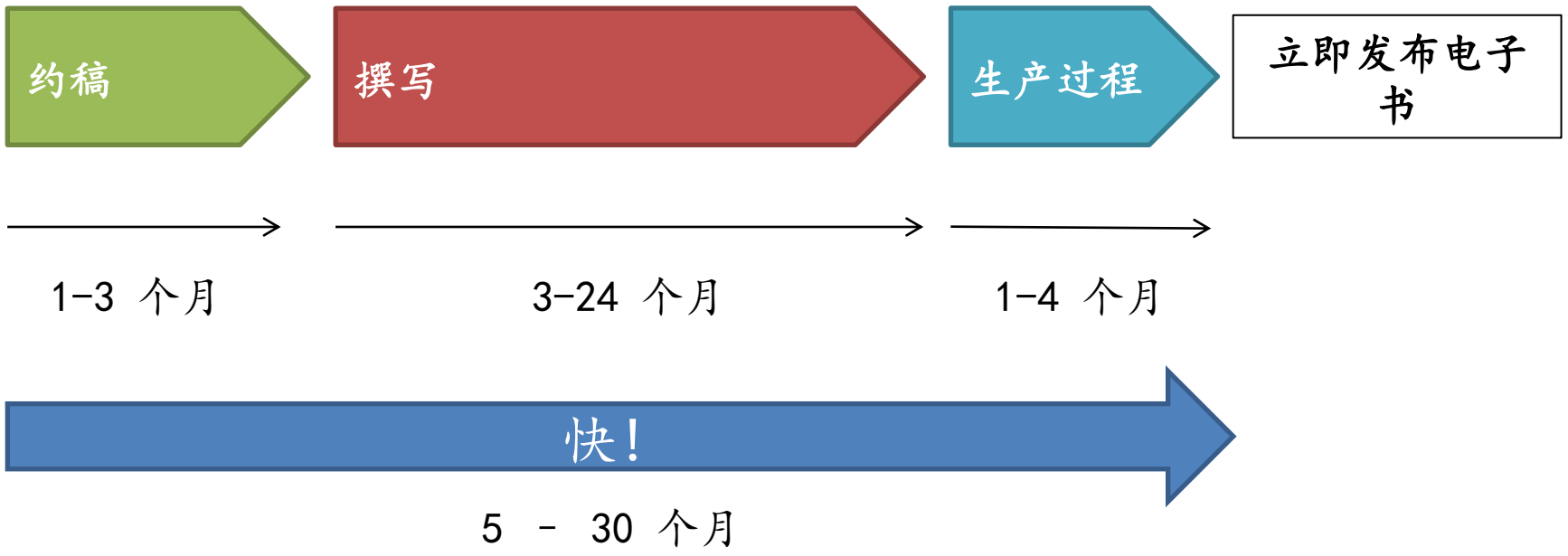


- 数字化出版
  1. 消除了印刷带来的遗留问题
  2. 专注于完全利用数字能力

业内一般图书出版流程



IOP 图书出版过程



数字化

数字图书可以提供比纸质图书更丰富的功能

- 探索性
- 便捷性 (24/7 & off-campus access)
- 兼容性– 并发用户
- 永久性– 无损坏、无需替换
- 提供使用统计数据及Marc数据

→

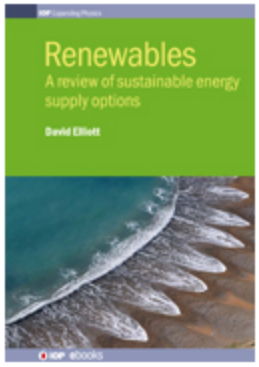
- 章节级HTML, PDF和ePUB3数据
- 完全融合的期刊和图书平台
- 无并发用户和DRM限制

→

- 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.

Pages 1-1 to 1-8

Table of contents

Abstract

MathJax On | Off

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.

BibTeX format (bib) Export citation and abstract

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

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- **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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  - 研究专著
  - 研究生/高级本科生教材
- **权威** - 论题中的权威声音
- **非常高的生产质量**

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IOP 物理世界发现选集

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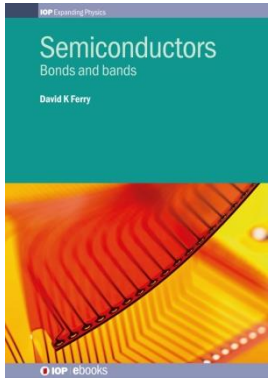

David K. Ferry 教授
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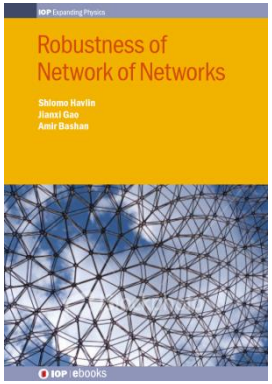

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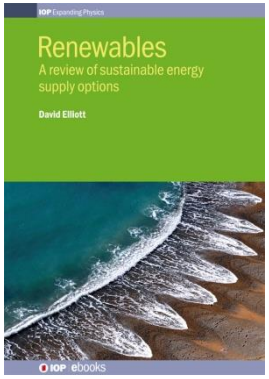
巴伊兰大学



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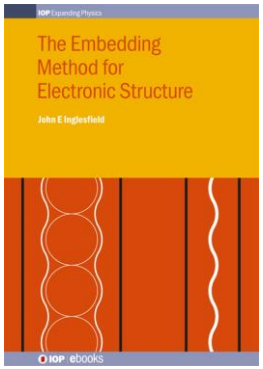

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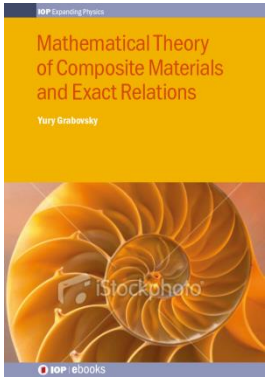

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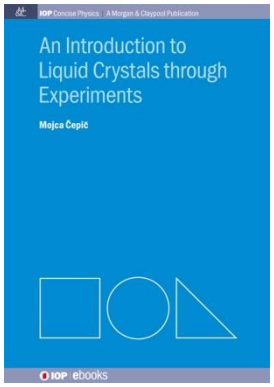
简明物理内容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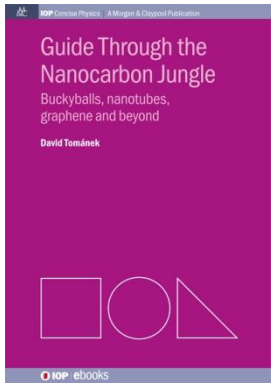
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Buckyballs, nanotubes, graphene and beyond
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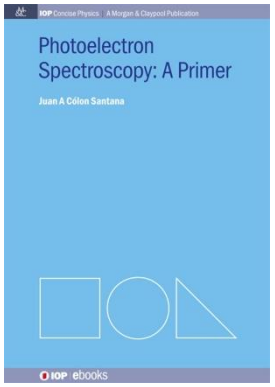
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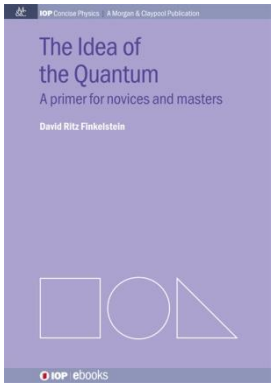
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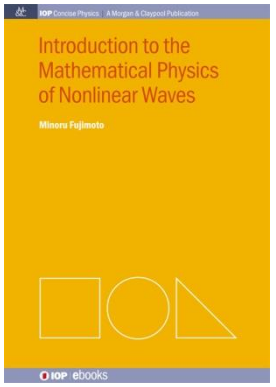
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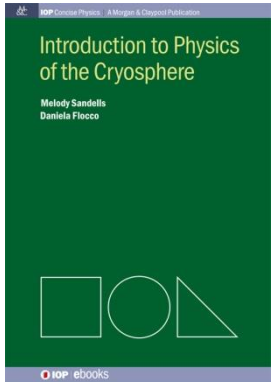
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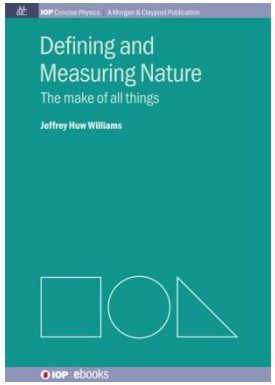
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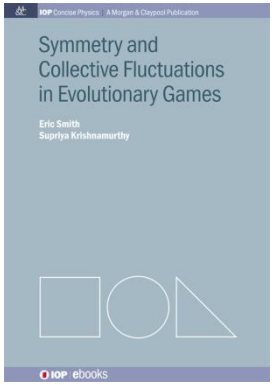
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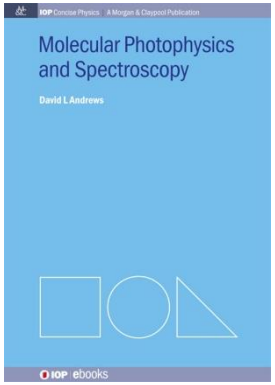
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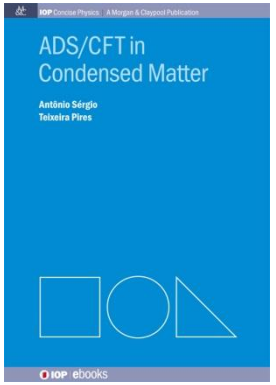
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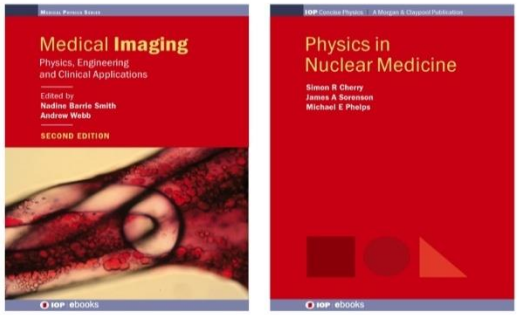
medical titles



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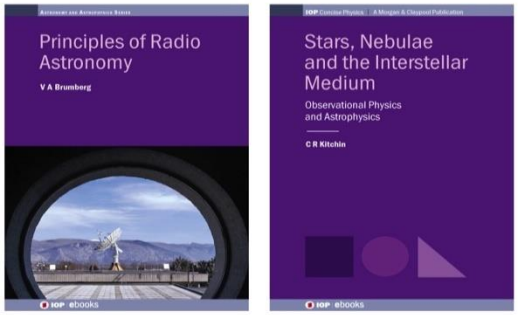

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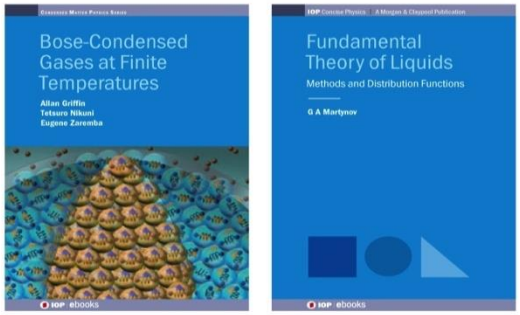

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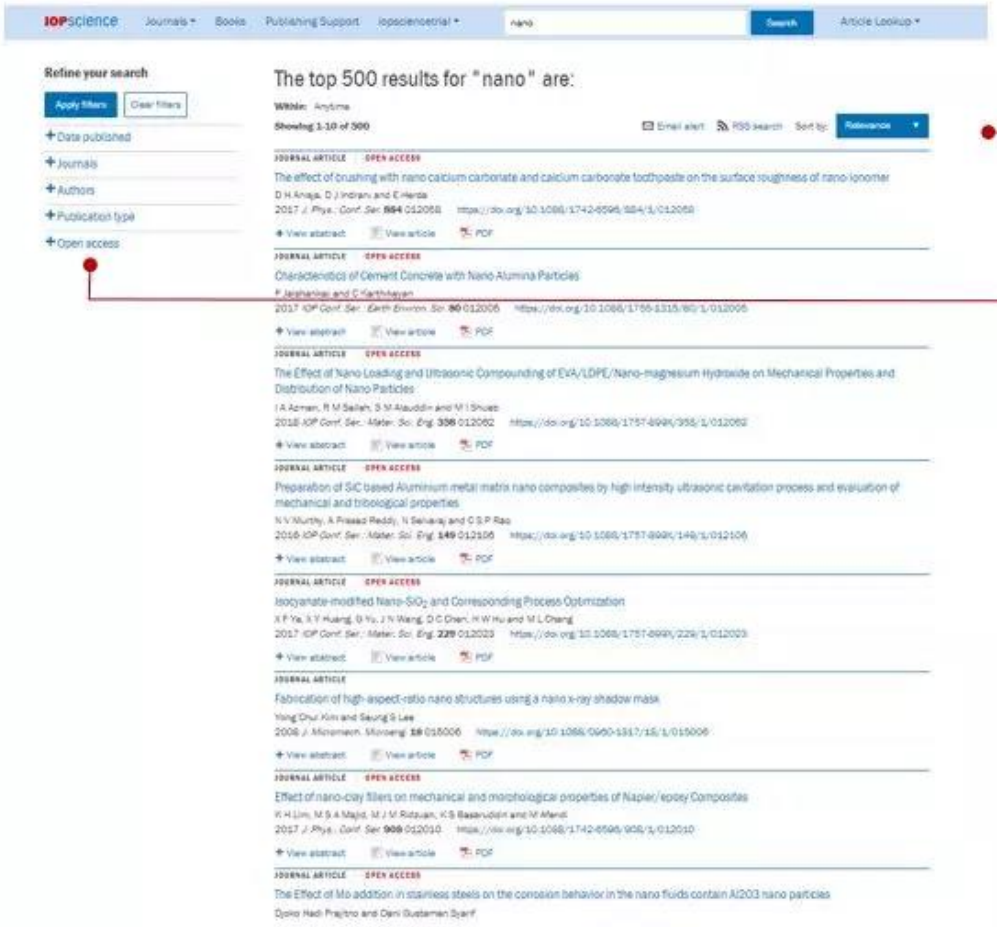

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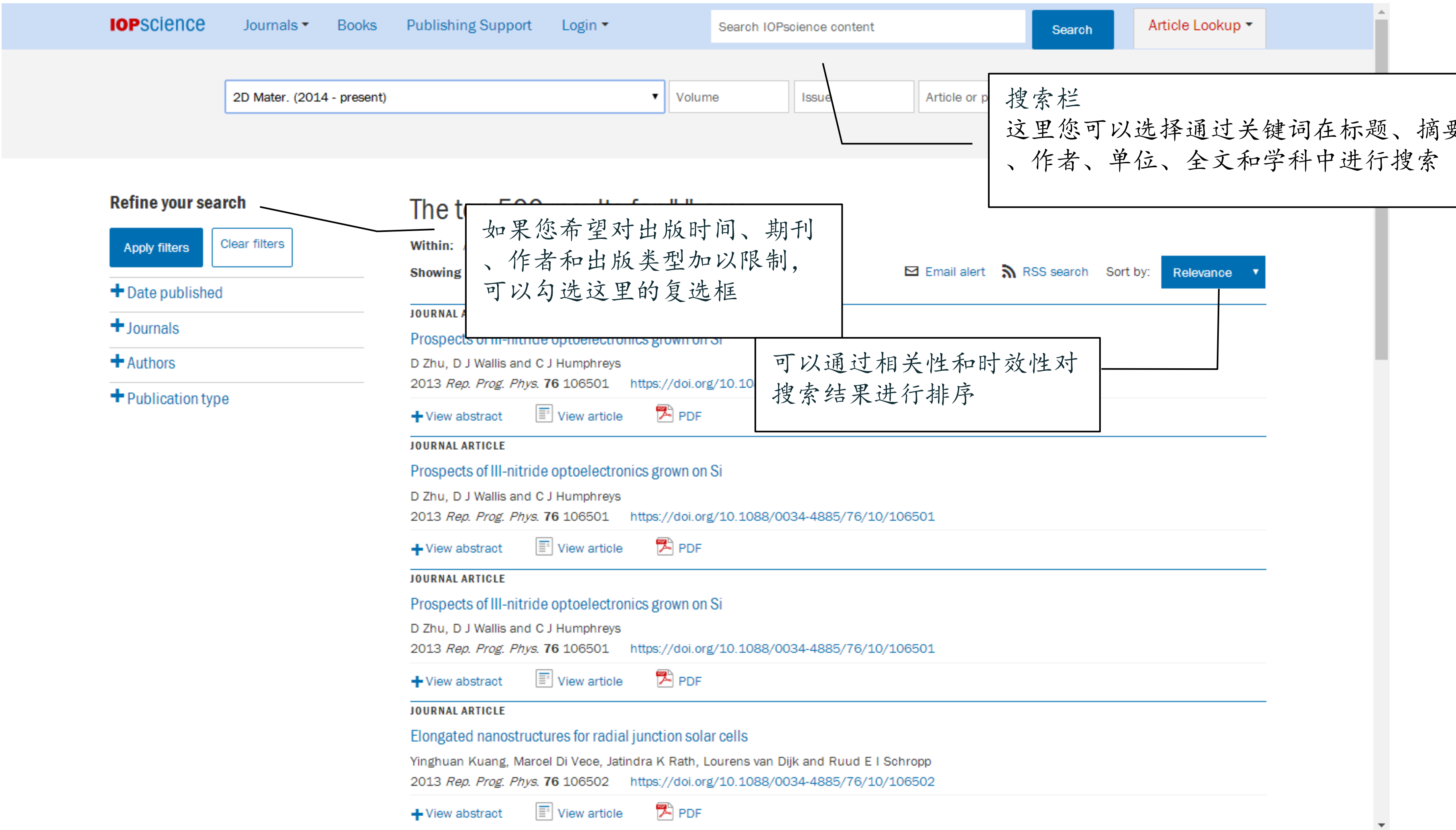

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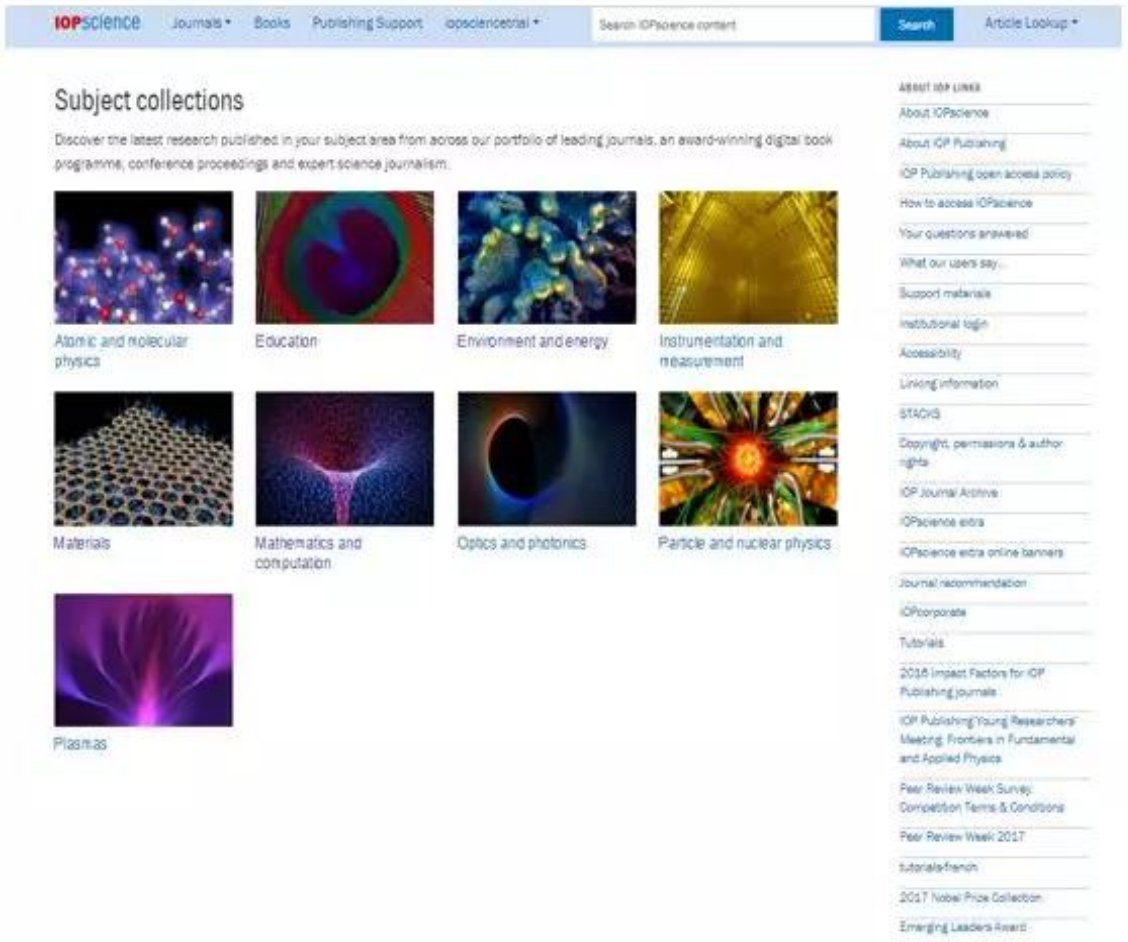

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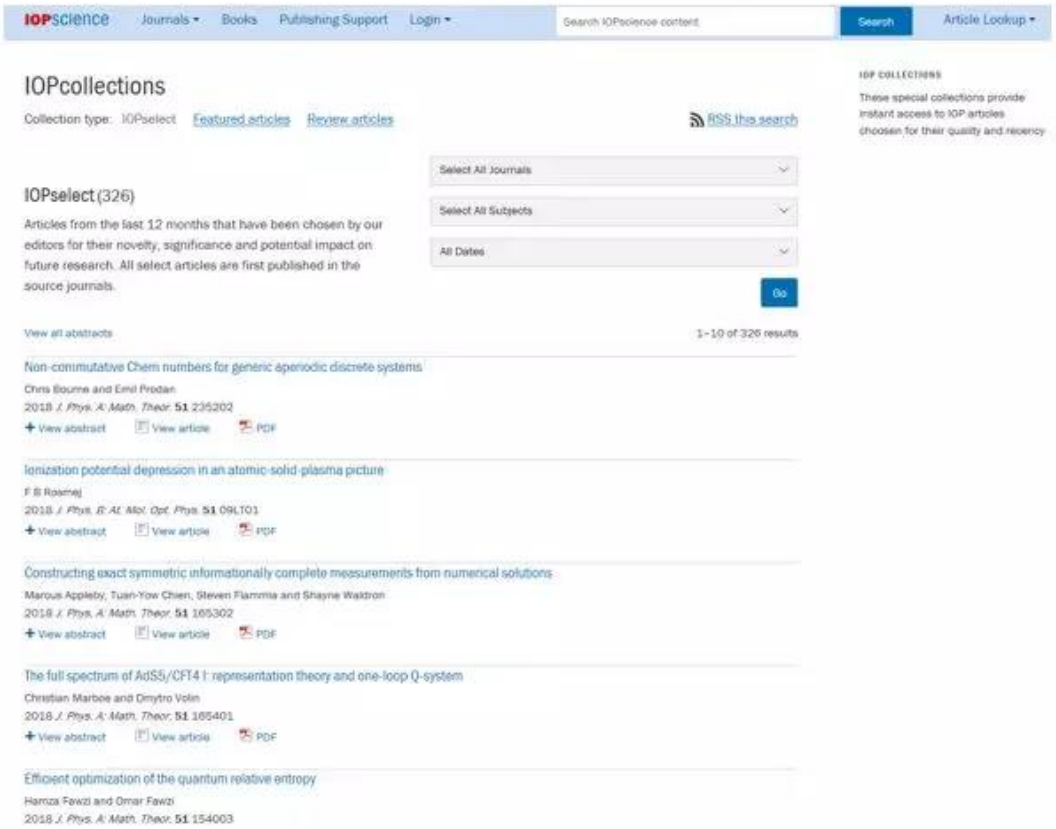

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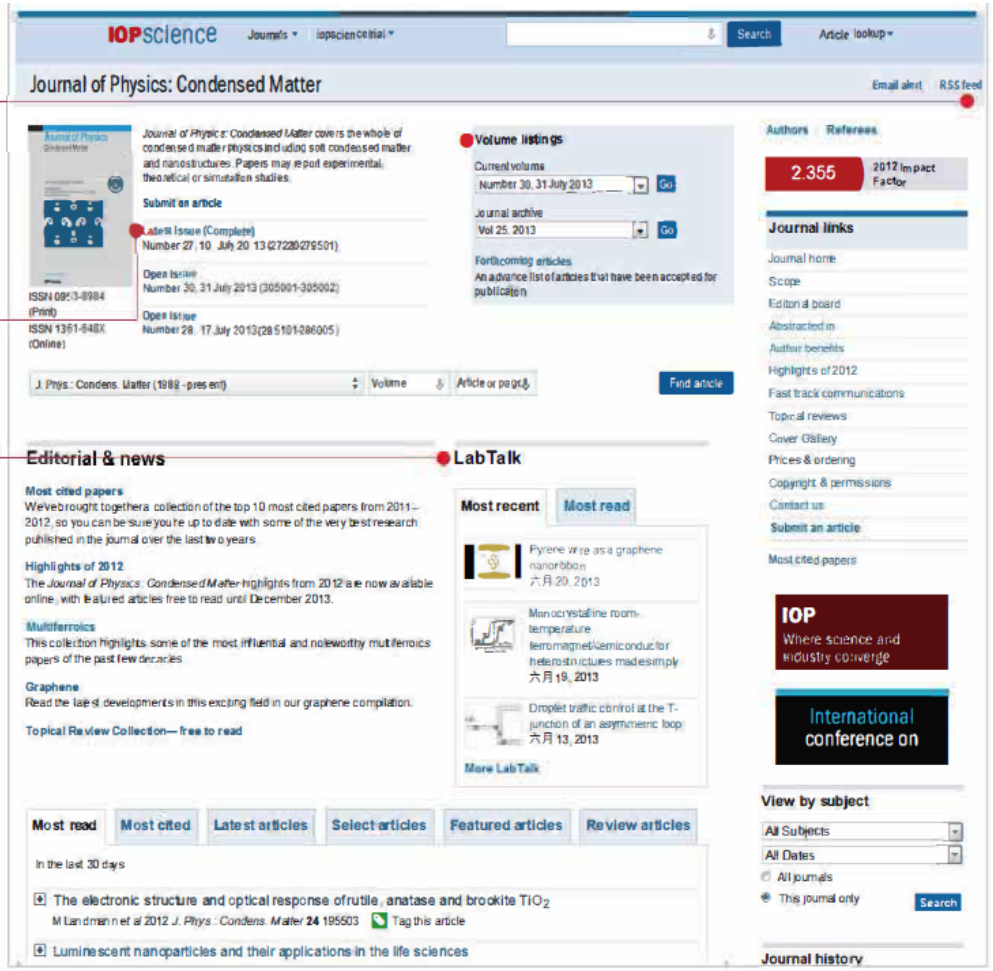

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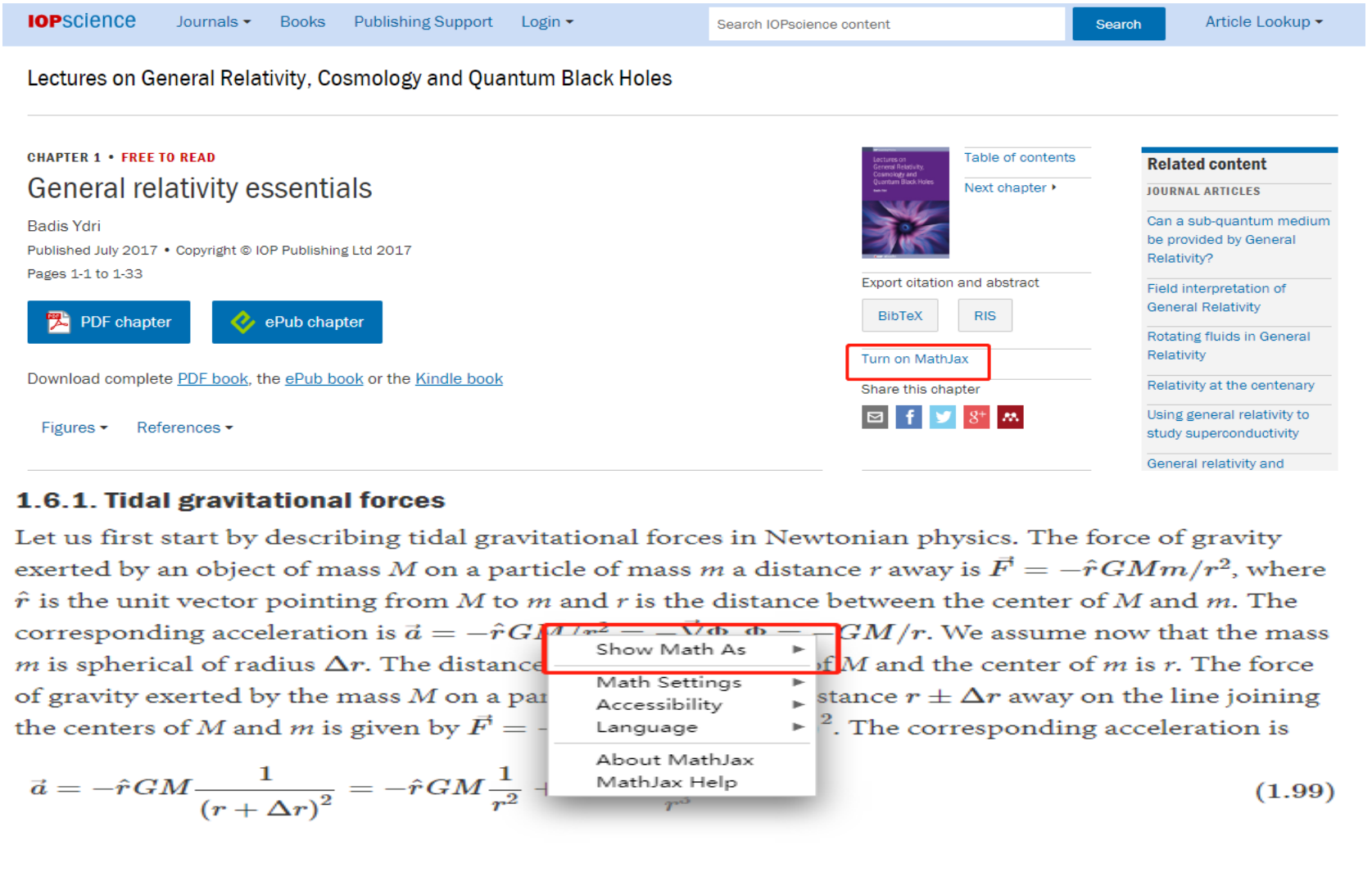

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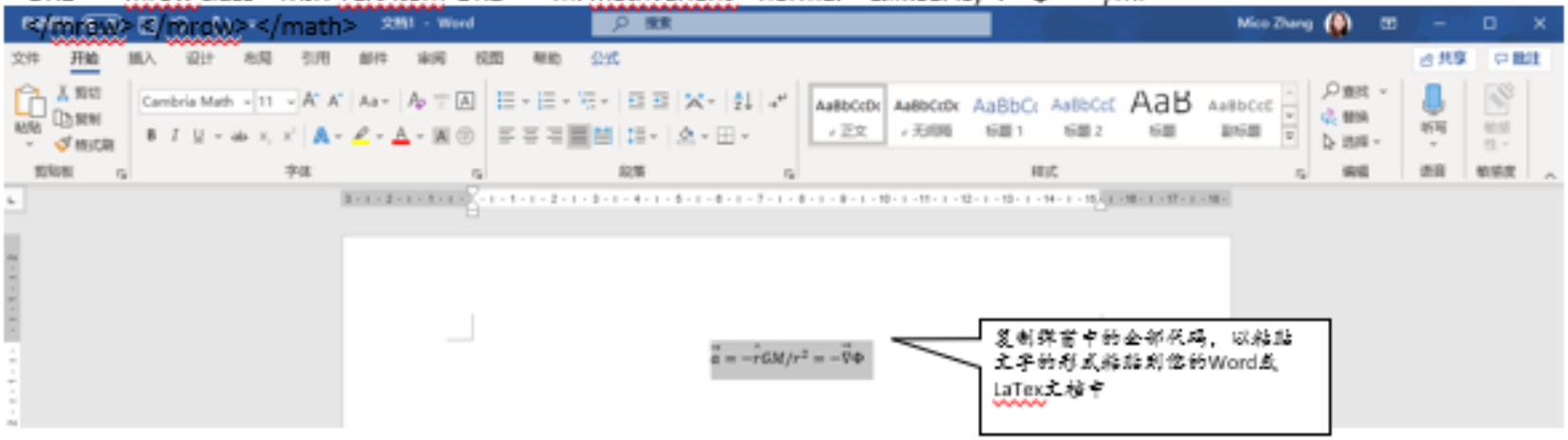

嵌入式多媒体

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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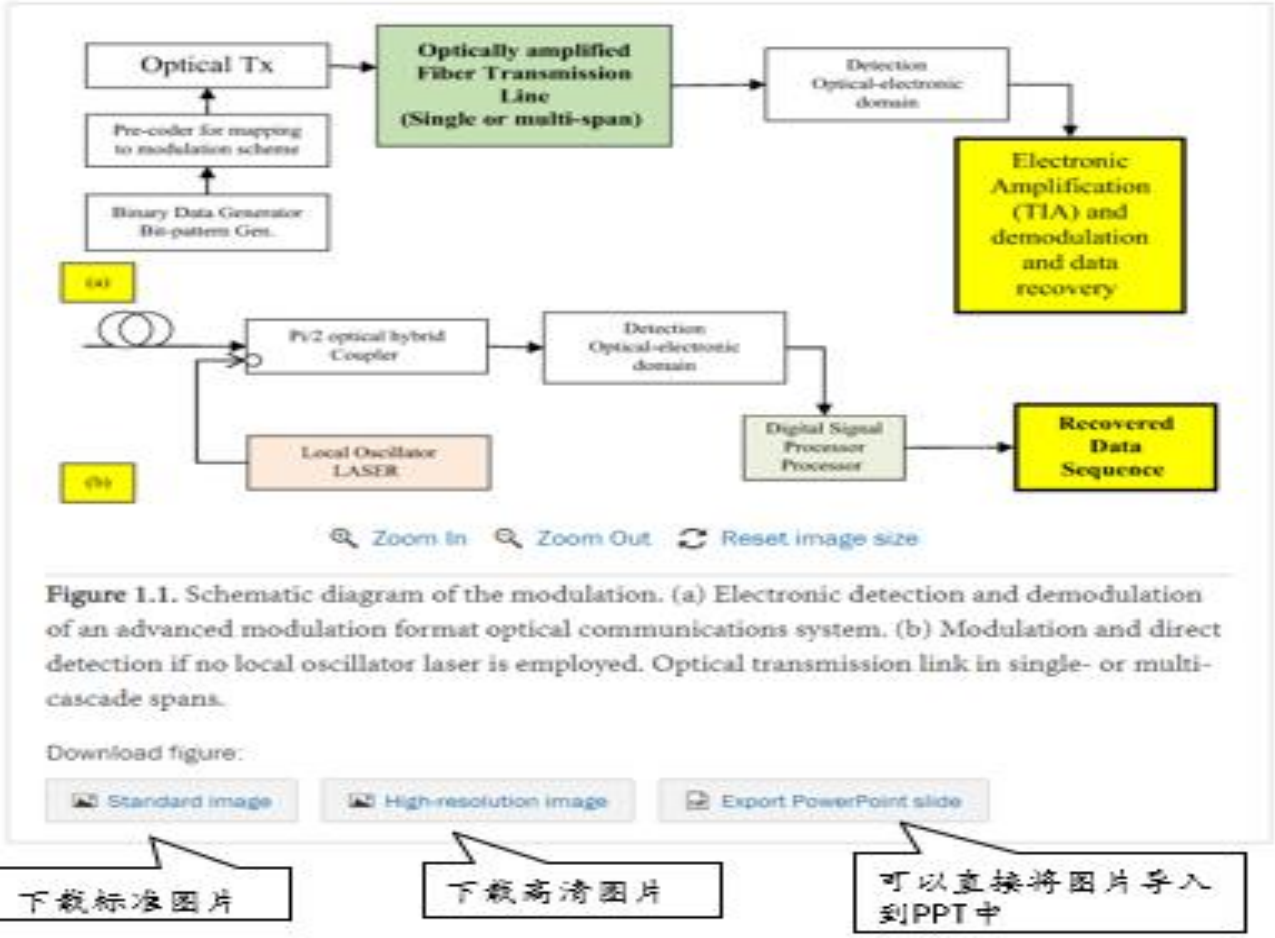

Figure 1.1. Schematic diagram of the modulation. (a) Electronic detection and demodulation of an advanced modulation format optical communications system. (b) Modulation and direct detection if no local oscillator laser is employed. Optical transmission link in single- or multi-cascade spans.

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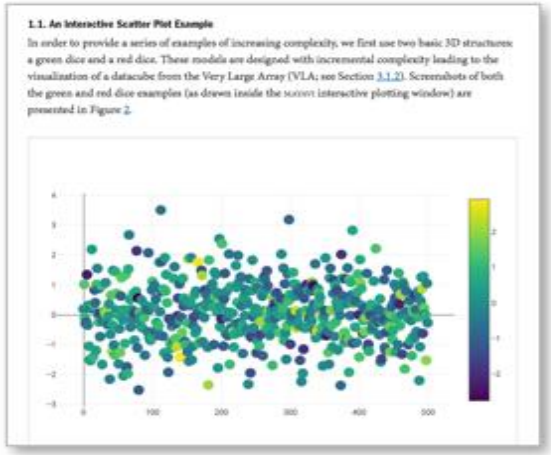

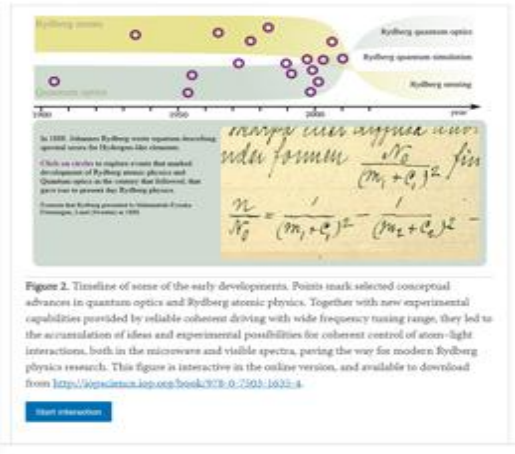

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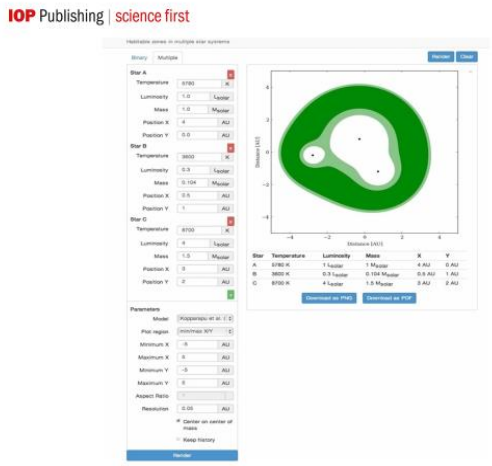

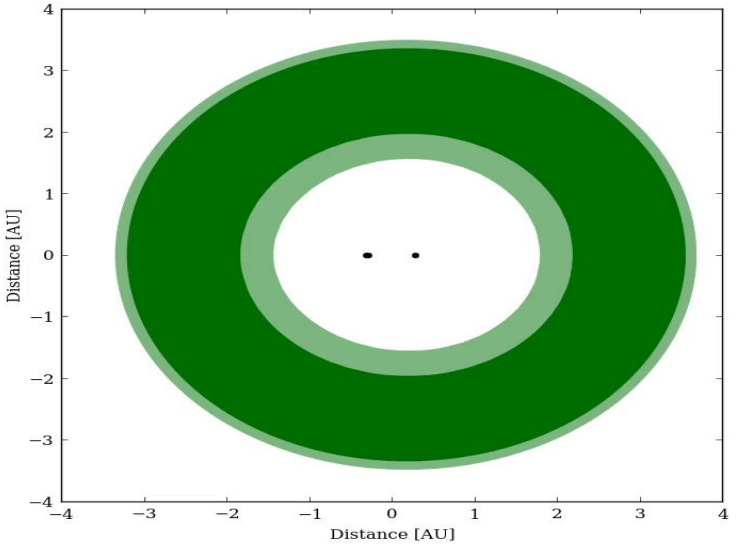

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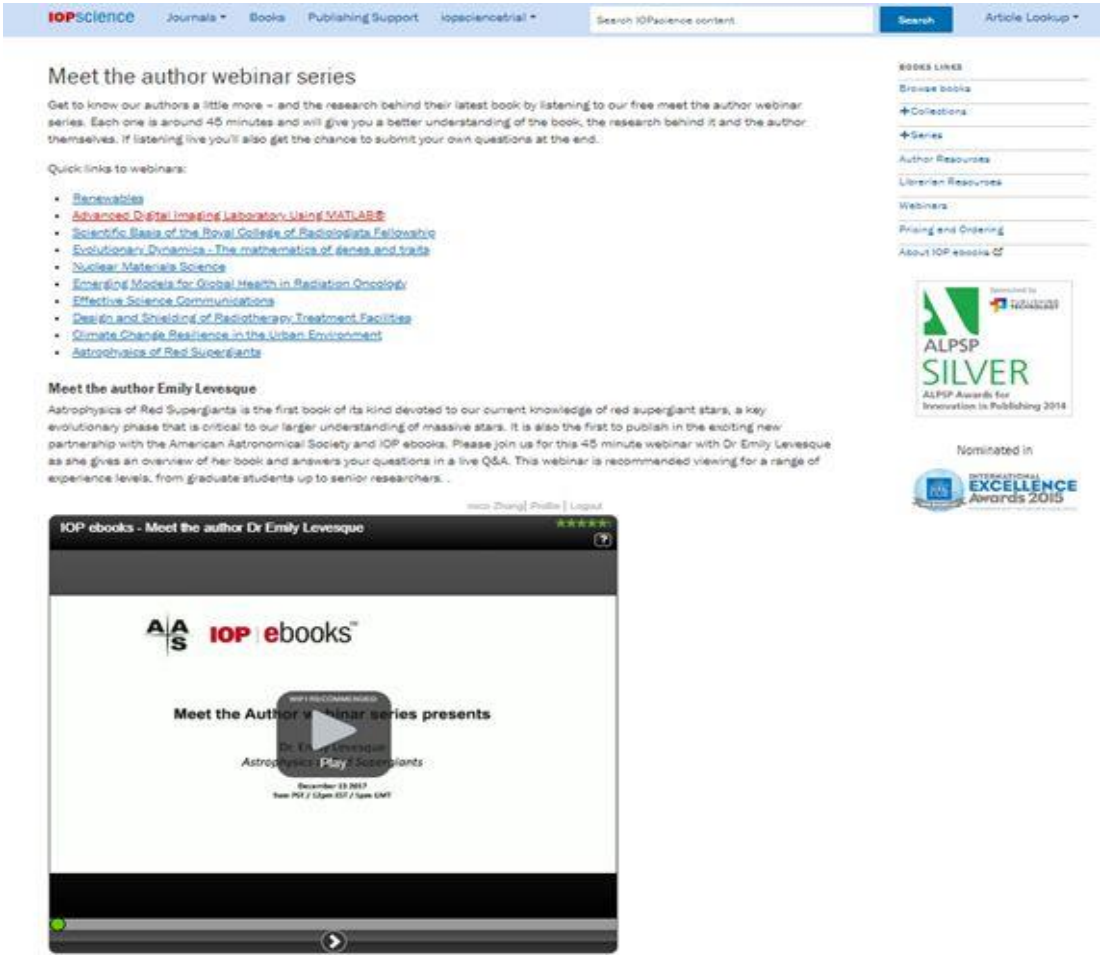
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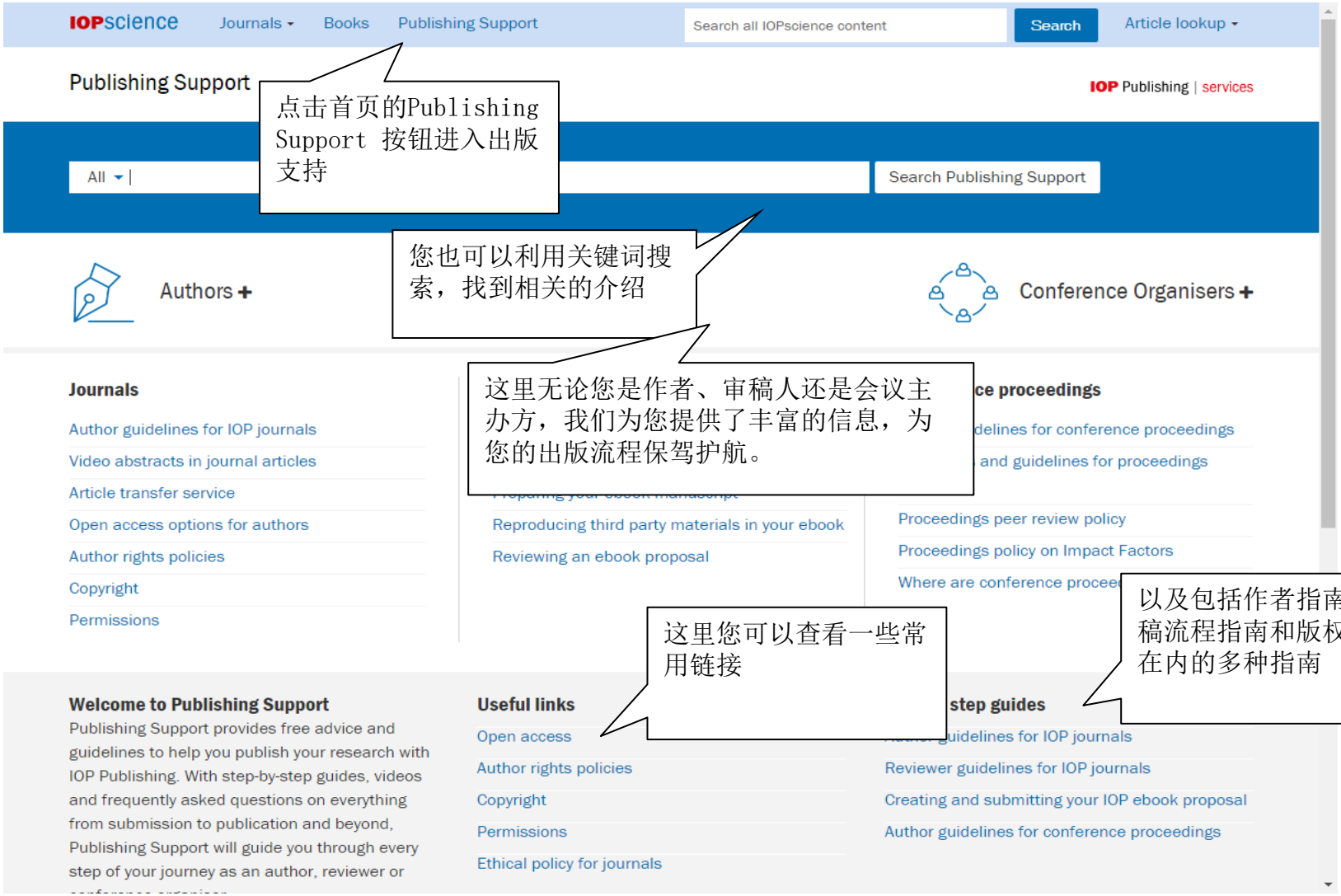

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