

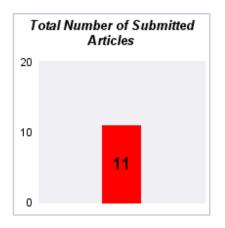
如何在科技期刊上成功发表论文英国物理学会

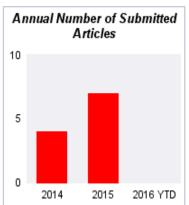
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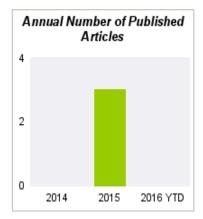
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- 如何向IOP投稿
- Questions and discussion

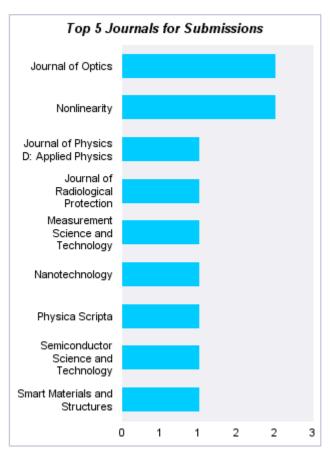
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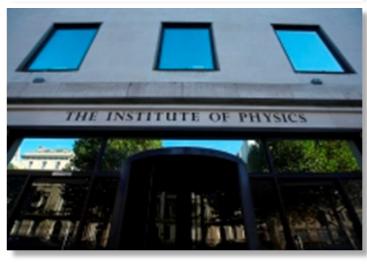








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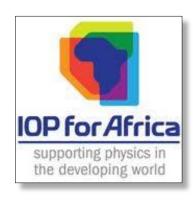






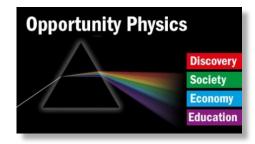
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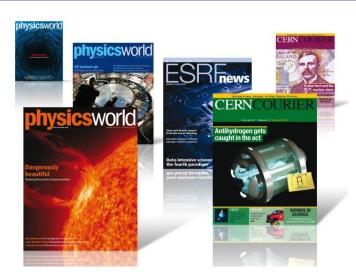
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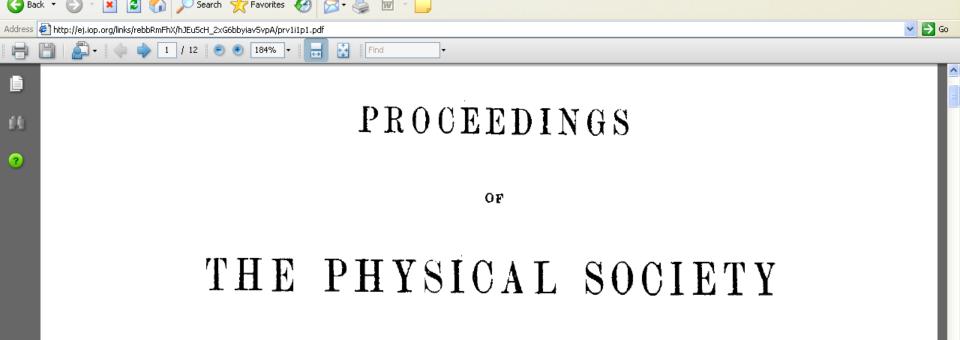








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OF LONDON.

March 21, 1874.

I. On the new Contact Theory of the Galvanic Cell.

By J. A. Fleming, B.Sc., F.C.S.

THE contest that has for so long been waged between the supporters of the two theories of the galvanic cell, the contact and the chemical, can hardly be said to have been brought even

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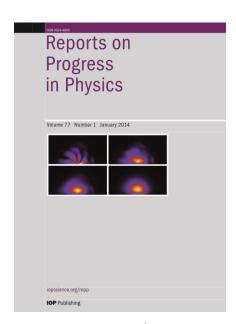






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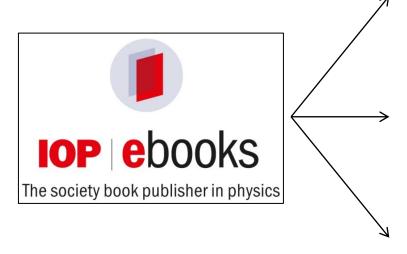
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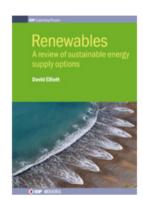
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Renewables

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.





D Elliott 2013 Renewables chapter 1. doi:10.1088/978-0-750-31040-6ch1 Published September 2013. Copyright © IOP Publishing Ltd 2013.

Pages 1-1 to 1-8

Table of contents

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

Contents

Abstract

Renewable energy: an overview of the issues and options

1.1 Why renewables?

1.2 Which sources are emerging?

1.3 What are the problems?

1.4 The structure of this book



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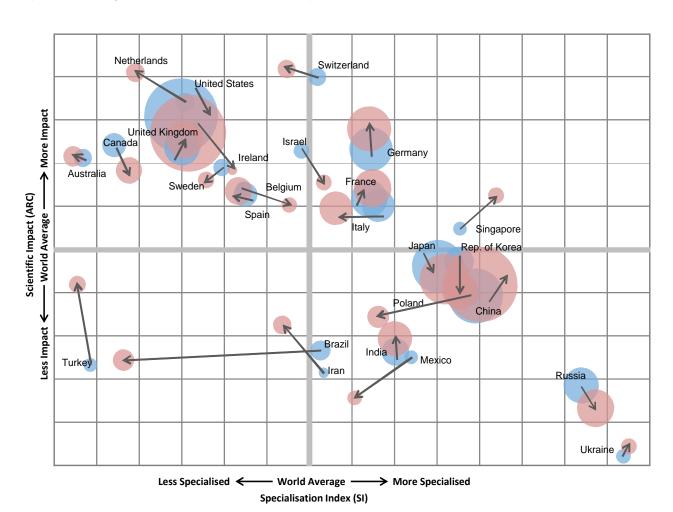


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物理学研究现状

国家	2002年论文 数量	2011 年论文 数量	平均年增长率	2002年世界 论文数量份 额	2011 年世界 论文数量份 额	平均年增长 率
China	12,020	37,056	12.5%	8.6%	18.7%	8.6%
USA	28,972	34,746	2.0%	20.8%	17.5%	-1.9%
Japan	15,483	13,850	-1.2%	11.1%	7.0%	-5.2%
Germany	10,864	12,249	1.3%	7.8%	6.2%	-2.6%
France	7,582	8,546	1.3%	5.4%	4.3%	-2.6%
Russia	7,902	8,487	0.8%	5.7%	4.3%	-3.1%
Rep of Korea	4,069	8,487	8.2%	2.9%	4.3%	4.2%
UK	7,091	7,888	1.2%	5.1%	4.0%	-2.8%
India	3,628	7,741	8.4%	2.6%	3.9%	4.5%
Italy	5,729	6,289	1.0%	4.1%	3.2%	-2.9%

物理研究影响的国际对比



什么决定论文的质量?

- Original work, novel and significant
- Interest to the community
- Have sound motivation and purpose
- Not previously published
- Not under consideration for publication in any other journal or any other form
- Scientific quality not quantity of papers
- Ethical code:
 - Research results true, properly recorded
 - Authorship practices who can be your co-authors

IOP内部的论文质量评价体系

- Q1 Makes major contributions to the advancement of the subject world-wide (top 10%)
- Q2 Good quality work original and internationally competitive
- Q3 Borderline work of limited interest
- Q4 Low quality work adds little or no new knowledge
- Q5 Poor work, clearly unsuitable
- Q1 or Q2 papers are expected
- Q3 papers unlikely to be accepted
- Q4 or Q5 papers will be rejected

写论文时的一些小技巧

- Focus on new and important research results
- Make sure the language is clear and precise, especially your conclusions
- Ensure that figures and tables are clear
- Ensure that the paper is of the right length
- The most important things to consider when writing a research paper:

Do you have original results to report to your peers?

What should the format of the article be? Do you have all of the references?

Which journal do you want to publish in and do you understand their submission procedures?

Do you understand the process and requirements?

需要避免

- Presenting new but trivial or obvious results
- Making unsubstantiated conclusions
- Burying new results beneath too much scene-setting
- Recapping of findings already published
- Presenting incremental research

Being long winded – keep short

'Flowery' language

Abbreviations and jargon

Speculation or anecdotes – keep to the facts

makes wild, unjustified claims

Poor or incomplete references

Poor quality figures

Incomplete data

Don't cover up or 'fudge' the data

一些建议

- Allow time for rewriting
- Ask a colleague to read and comment on an early draft
- Check the structure of the paper:

Title – proper and complete

Abstract – more details, key words

Introduction – history, why, what you have done

Method – details and standard

Results and Discussion – fact and more

Conclusion – what you have achieved

References – objective and up-to-date

选择合适的期刊



选择合适的期刊



- First things first:
 - Decide on your first-choice journal before even writing your paper!
 - What is the best journal for the work that you have done?
 - Which journal will give you the most recognition for your work?
 - What is your second choice?
 - What other factors do you need to consider?
- You could have many things to think about

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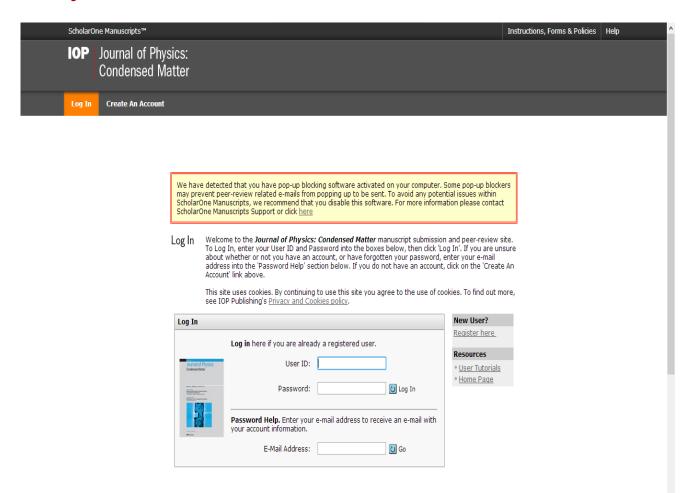
- 双审稿人审稿机制,对作者更公平和更多的发表机会。
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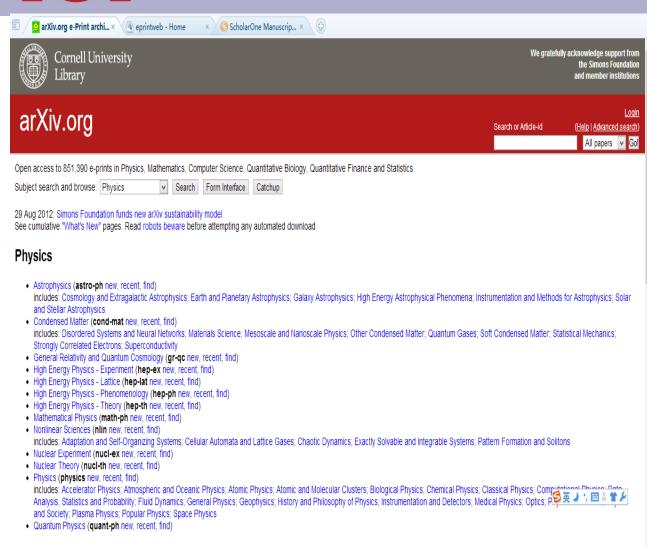
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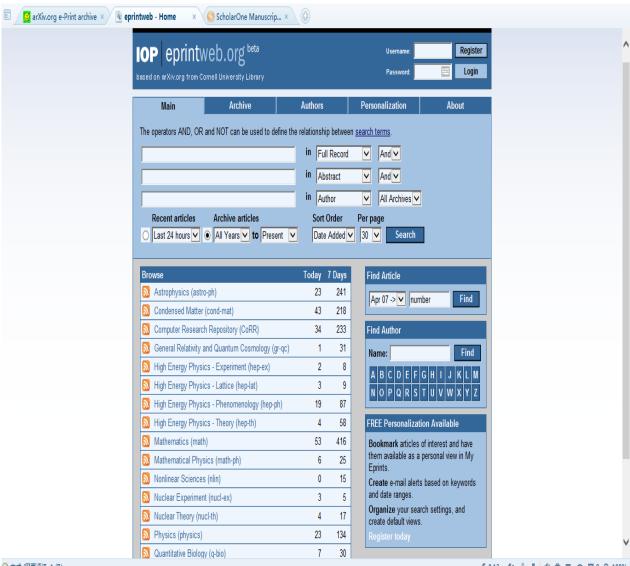
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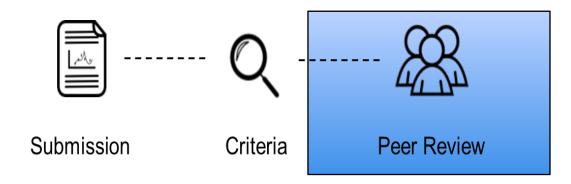
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- Editor acknowledges your paper, assign a ref number, e.g. JPCM-121682, JPhysB-303467
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- Editor selects referees for the paper
- Referees send their reports back to the Editor
- Editor makes decision based on referee reports
- Adjudicator is selected if the reports are conflicting

Referee selection



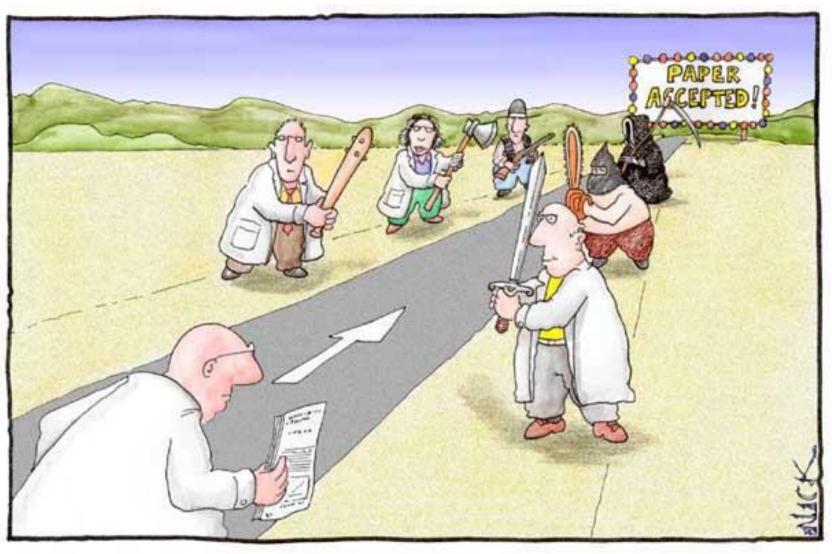
- The editor selects referees for the paper based on
 - Independence

Previous record

Expertise

- Availability
- 'Single blind' referee process
 - Referee knows who the author is
 - Authors do not know who the referee is





Most scientists regarded the new streamlined peer-review process as 'quite an improvement.'

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- A 'filter' for scientific quality control
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- Peer review is an essential part of publishing in a journal or obtaining a grant



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- Scientific merit: significant new results and originality
- Accurate and correct
- Sufficient discussion of the context of the work, and suitable referencing
- Suitable material for the Journal



审稿人的评价:论文呈现方面

- Title: is it adequate/appropriate?
- Abstract: is it complete by itself and suitable for direct inclusion in an abstracting service?
- Diagrams, tables, and captions: are they clear and essential?
- Text and mathematics: are they brief but still clear?
- Conclusion: does it summarise what has been learned and why it is interesting and useful?
- References: objective and up-to-date
- Clear writing and communication of ideas, readability and discussion of concepts

如何回复审稿人意见

- Read referees' report and put away for a day!
- Read them again!
- Respond to each and every comment specifically
- Keep a list of your changes
- Where you disagree, explain why
- If referee misses a point it is not necessarily his/her fault
- Be polite!
- Prepare a detailed covering letter with your response

如果您的论文被拒稿

- Do not despair: treat referees' comments as a free expert advice
- You may be able to re-write your article taking into account the suggestions of the referees and re-submit it
- Note: If you re-submit the paper to any IOP journal, you need to add enough significant new results in it
- If you think the review was unfair, appeal to the journal by sending a letter and explaining why you think



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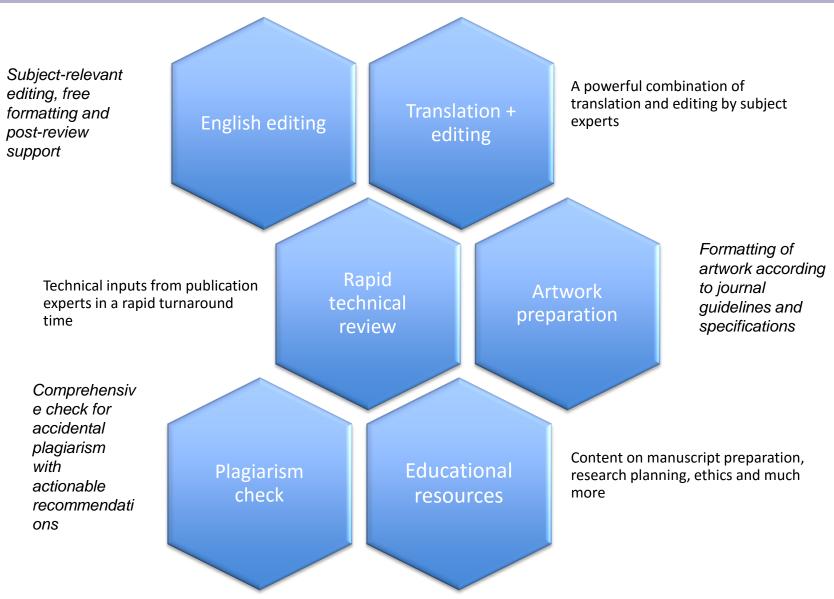
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- 提早全面准备写论文,不要等到最后
- 采用标准格式建立参考文献的电子数据库如Excel文件方式,方便以 后检索和引用
- 在研究过程中尽可能采用标准方式记录研究数据,争取形成数据一图表一引用的自动数据链
- 提早训练写作英语(或其他外语)科技论文,检索一些本领域的范文 论文,反复熟记其语言写作特点和语言用法,克服写作自己论文时的 语言障碍,但切记不可照搬!
- 多与老师、同学或同事讨论,认真思考不同的观点
- 写好第一篇外语论文,不要急于投稿



Questions and discussion





英国物理学会北京办公室

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