
IOP Publishing:

An example of how a traditional publisher has engaged with open access

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Berlin8 Open Access Conference, Beijing

26 October 2010

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Summary

- **A look at IOP Publishing's Open Access activities**
 - New Journal of Physics
 - Environmental Research Letters
 - Open Conference Series
 - OA and Asia
 - Publishing partners
 - Institutional Membership Fees
 - Hybrid model
 - A word of caution

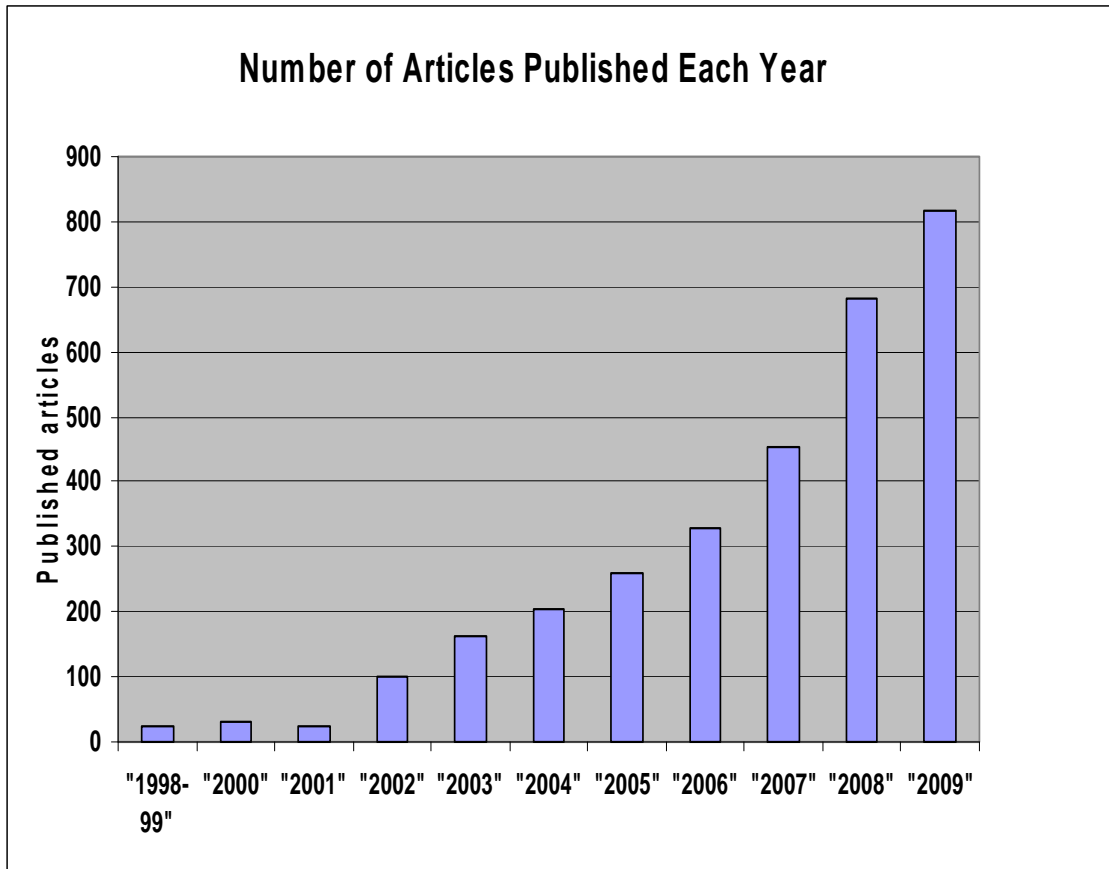
Gold open-access – New Journal of Physics

- **Launched in 1998 by IOP and the German Physical Society**
- **The first peer-reviewed, open-access journal to cover the whole of physics**
 - In 1998 the term “open access” did not even exist
- **At the time considered “a novel experiment”**
 - Now considered to be pioneering

New Journal of Physics - characteristics

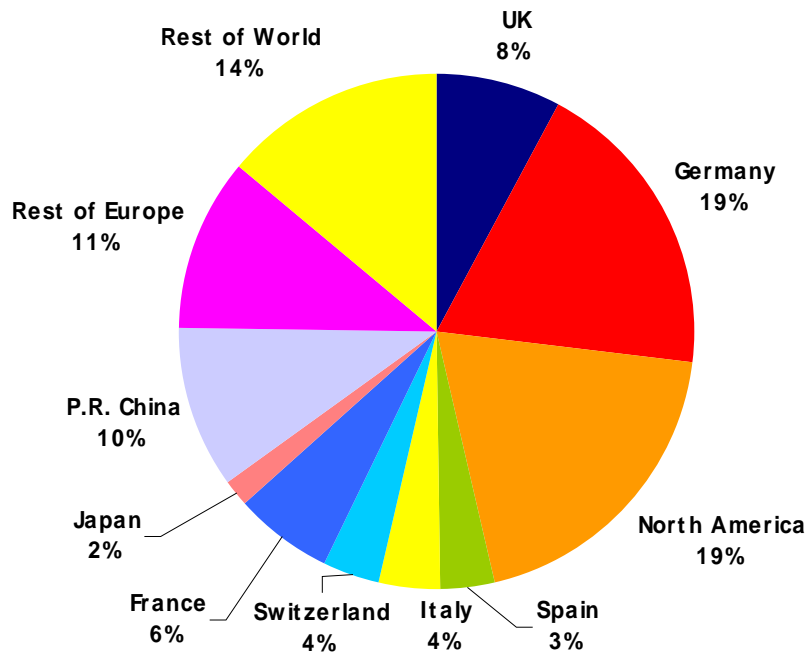
- **All content permanently free to read**
 - Funded solely by article charges (\$1100)
- **Subject coverage across the whole of physics**
- **Strict peer-review process and editorial criteria**
 - > 80% of submissions are rejected
- **Electronic-only**
 - Free use of colour and multimedia
 - No article length restrictions
- **Author-friendly copyright**
 - Free distribution of published version
 - Creative Commons rights for third-party users

New Journal of Physics – editorial growth



- **Journal has grown by a factor of 35 since 2001!**
- **Rejection rate is actually increasing (>80% for regular submissions)**
- **>90% of articles are now paid for**
- **More and more researchers are choosing to pay to publish with NJP**

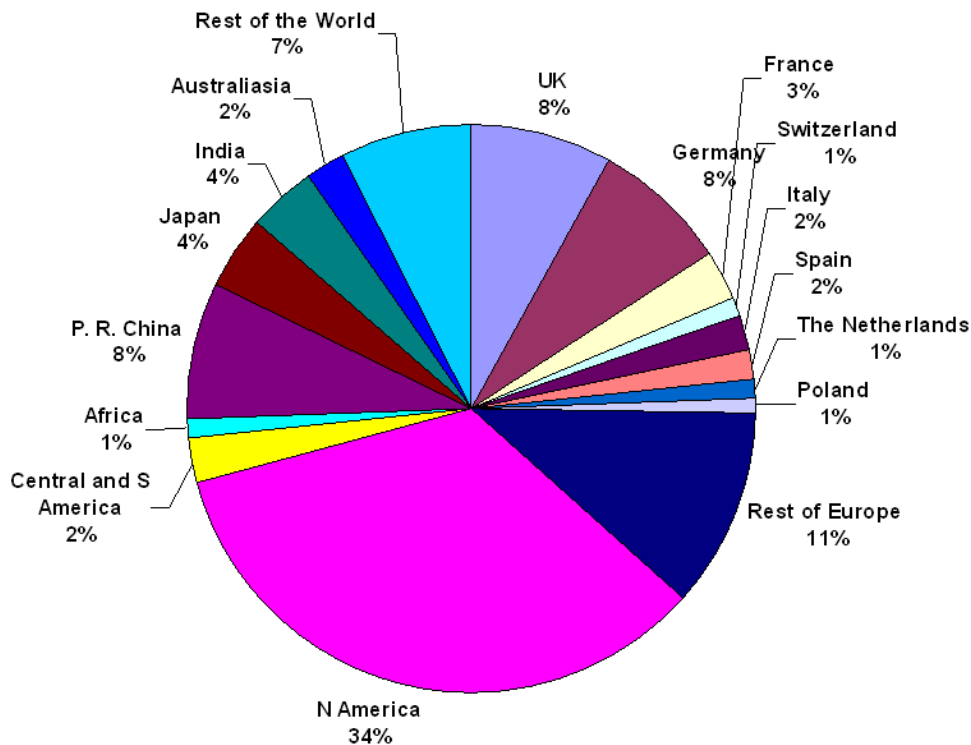
New Journal of Physics – authorship



- **Strong traditional support from Europe**
- **Expanding support from N America and China**
- **NJP has become a truly international journal**

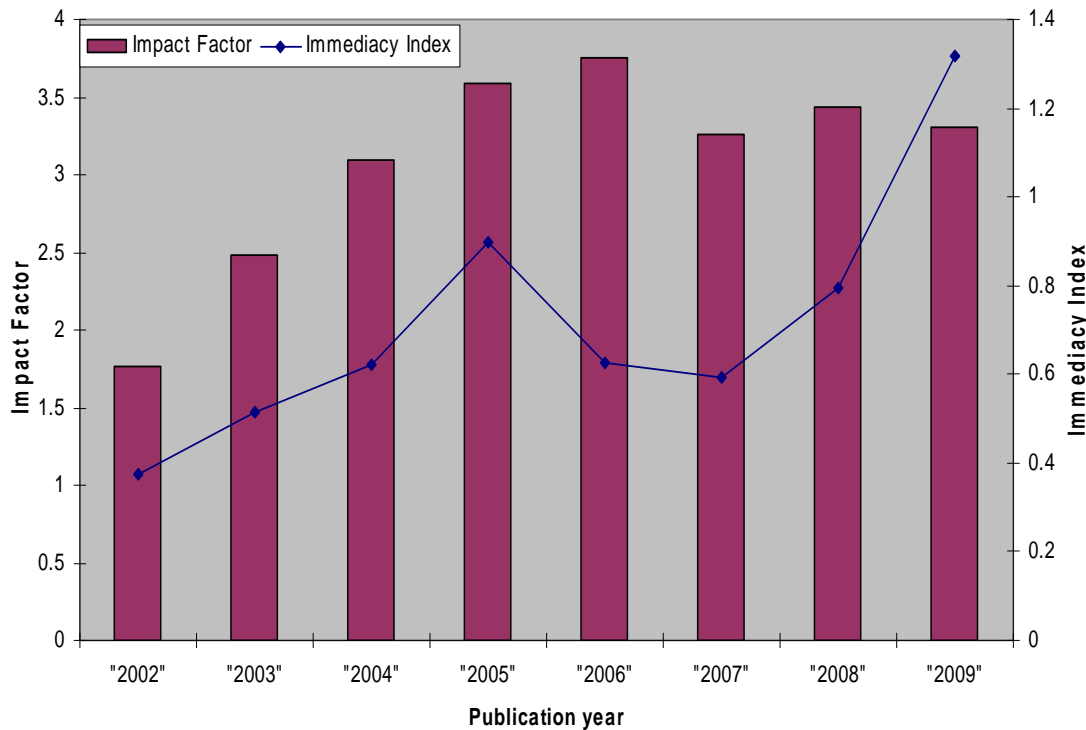
New Journal of Physics - readership

- More than 3 million downloads since 1998
- ~700 downloads per article within first 12 months
- Readership each month extends to over 190 countries
 - Truly global
 - A scientific success!



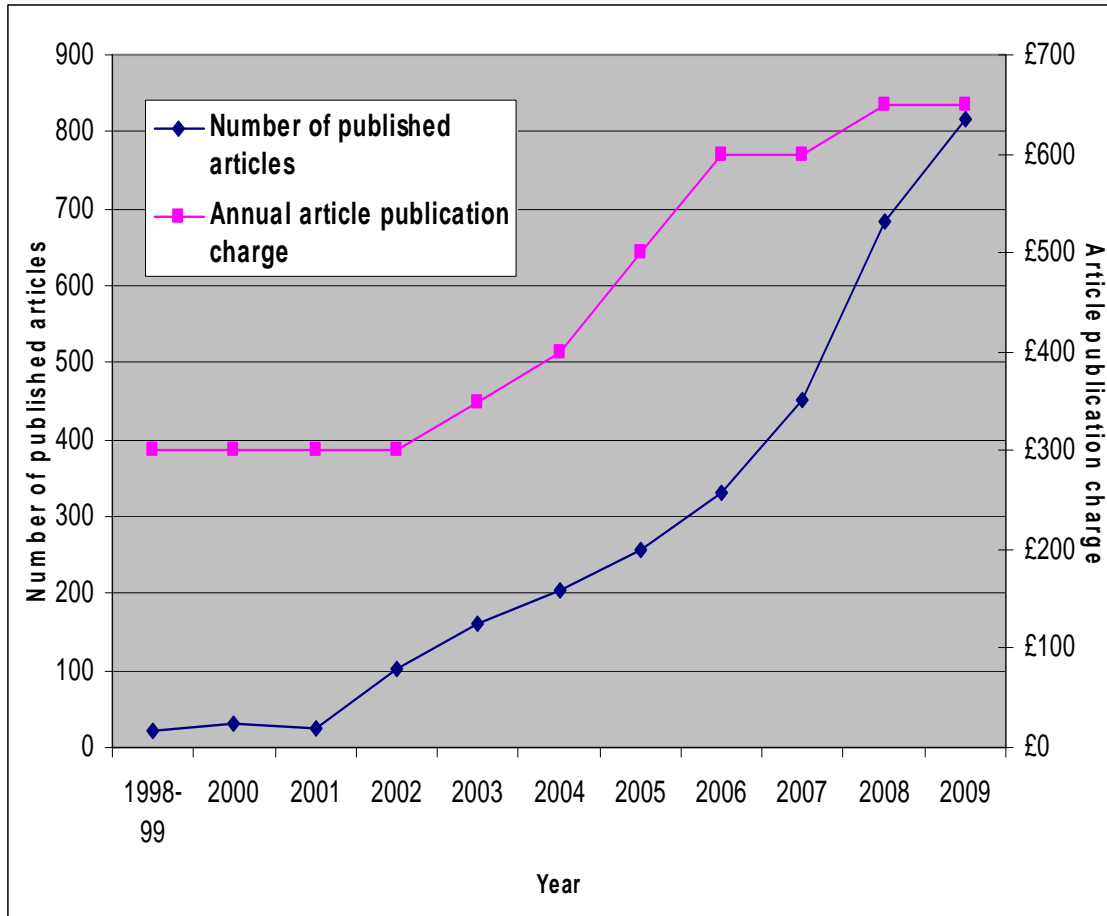
New Journal of Physics – citation performance

Impact Factor and Immediacy Index since 2002



- **Current Impact Factor is 3.31**
 - The highest OA journal in physics
- **3rd highest IF out of all general physics, original research journals**
- **Articles are increasingly being cited**
 - Immediacy Index jumped in 2009

Is NJP self-sustainable? Yes!



- **Since 2002 the article charge has increased from £300 to £650**
- **Financial revenue relies on 3 factors:**
 - The publication fee - £650 (2009)
 - Number of published papers – 816 (2009)
 - % of authors paying – 90% (2009)
- **Since 2008 NJP has covered all of its operating costs**
 - It will do so again in 2010
- **BUT journal still repaying its initial 10 year investment**
 - It may never recover all its costs

Centralised funding agreements

- **Financial support for OA publication fees is growing:**
 - University of Calgary
 - University of Ottawa
 - Goettingen University
 - Max-Planck Society
 - University of Nottingham
 - Columbia University
 - Cornell University
 - Harvard University
 - University of California, Berkeley
 - University of Florida
 - University of North Carolina, Chapel Hill
 - University of Wisconsin, Madison
 - (Historical support from JISC UK 2005-2007)
- **Most recent support for NJP:**
 - The Chinese Academy of Sciences – thank you!
 - Contribute 50% of the publication fee for CAS researchers

NJP and Chinese Academy of Sciences



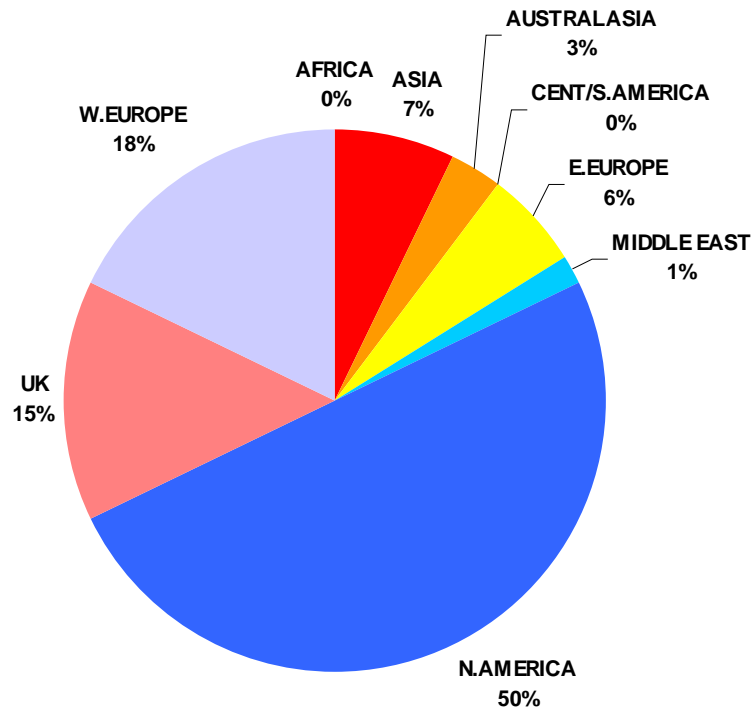
Environmental Research Letters (ERL)

*"Environmental Research Letters is a **free-to-read** journal dedicated to **bringing together** intellectual and professional scientists, economists, engineers and social scientists, as well as the **public sector** and **civil society** who are engaged in efforts to understand the state of natural systems and, increasingly, the human footprint on the biosphere."*

Dr. Daniel M Kammen, Editor-in-Chief (UC Berkeley)

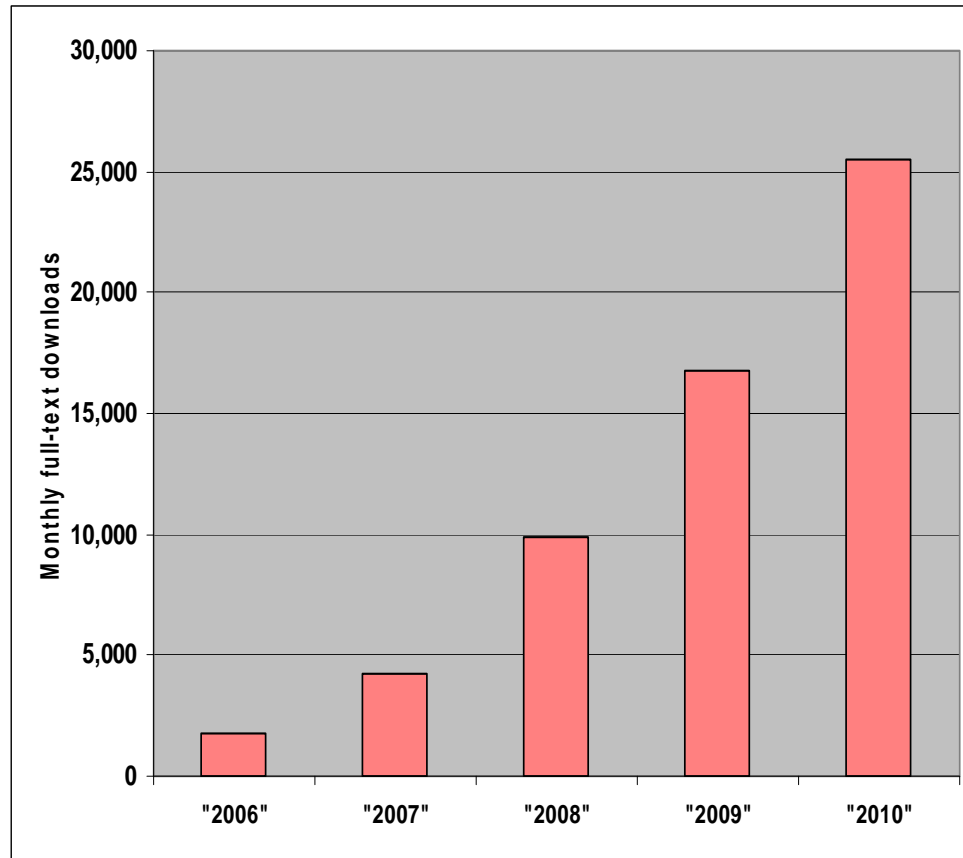
- **Launched in 2006**
 - A new interdisciplinary title within IOP's core physics journals portfolio
 - Concise, high impact original research articles not normally more than 4000 words.
 - Leading experts in all aspects of environmental research and policy
- **The same author-pays business model and core characteristics as NJP**
 - Article charge \$1725
 - Aiming to repay initial investment at faster rate
 - The publication charge is set at a higher level which will recover its costs over a long period of time
- **Subject coverage across the whole of environmental science**
 - High impact, high urgency research Letters
 - Of broad interest to wide readership (including general public)
 - Open Access seemed like the right publishing model

Environmental Research Letters - authorship



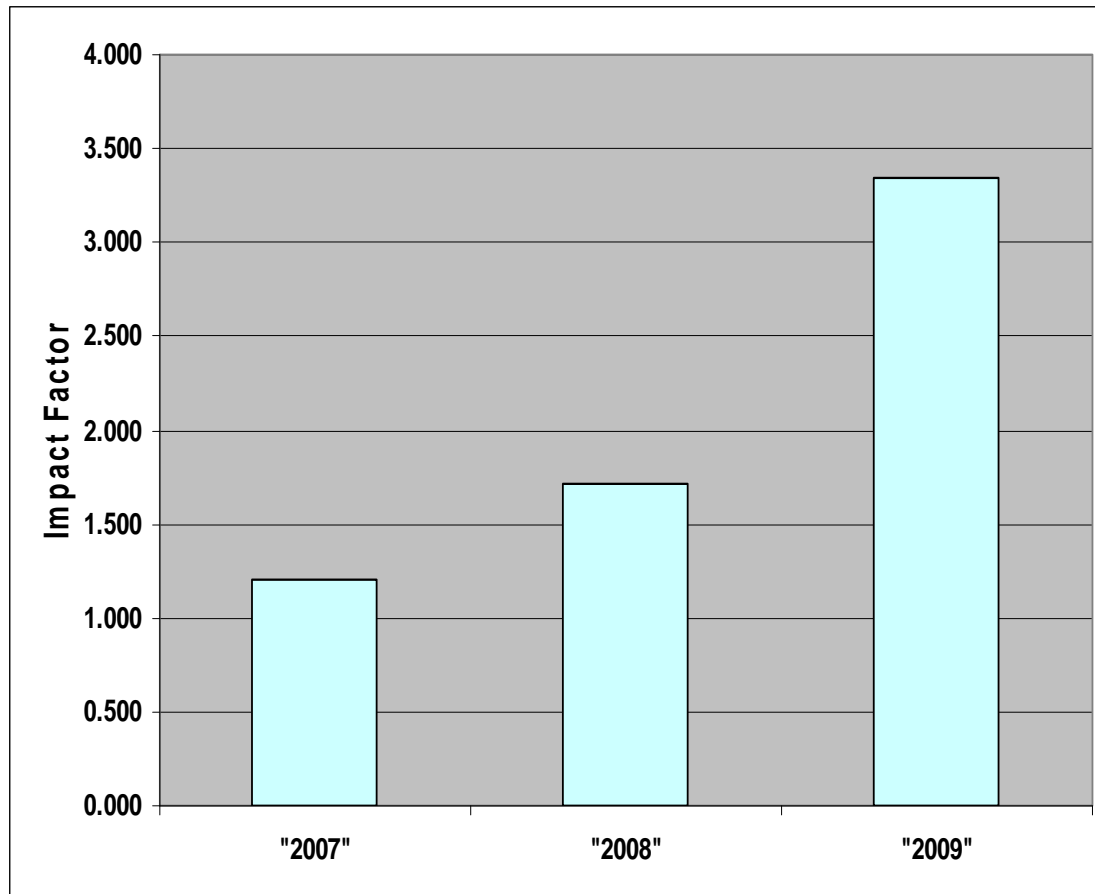
- **Annual growth in submissions since 2006**
- **Strong author support from N America and UK**
- **Increasing authorship from Asia**
- **70% of authors pay**

Environmental Research Letters - readership



- **Continued growth in journal readership**
- **>1000 downloads/article within 12 months**
 - One of IOP's most read journals per article
- **Regular blog and news coverage enhances visibility**

Environmental Research Letters – citation performance



- **Rapid increase in Impact Factor since launch**
- **Current IF = 3.34**
 - Highest OA journal for environmental science
- **ERL already in top tier of environmental science journals (within 4 years)**


IOP Publishing's open-access proceedings portfolio

2004

Invitation for conference organisers

**JOURNAL OF PHYSICS:
CONFERENCE SERIES**

The open-access journal for conferences
Fast • Flexible • Affordable



Unlock your conference proceedings
jpcs.iop.org


IOP Publishing

2007

Invitation for conference organizers

**IOP Conference Series:
Earth and Environmental Science**

The open-access proceedings service for conferences



Release your research to the world
conferenceseries.iop.org/ees

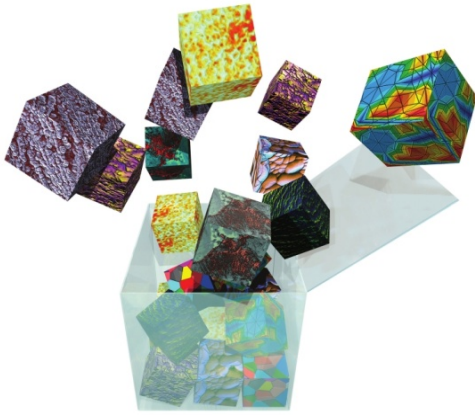
IOP Publishing

2008

Invitation for conference organizers

**IOP Conference Series:
Materials Science and Engineering**

The open-access proceedings service for conferences



Release your research to the world
conferenceseries.iop.org/mse

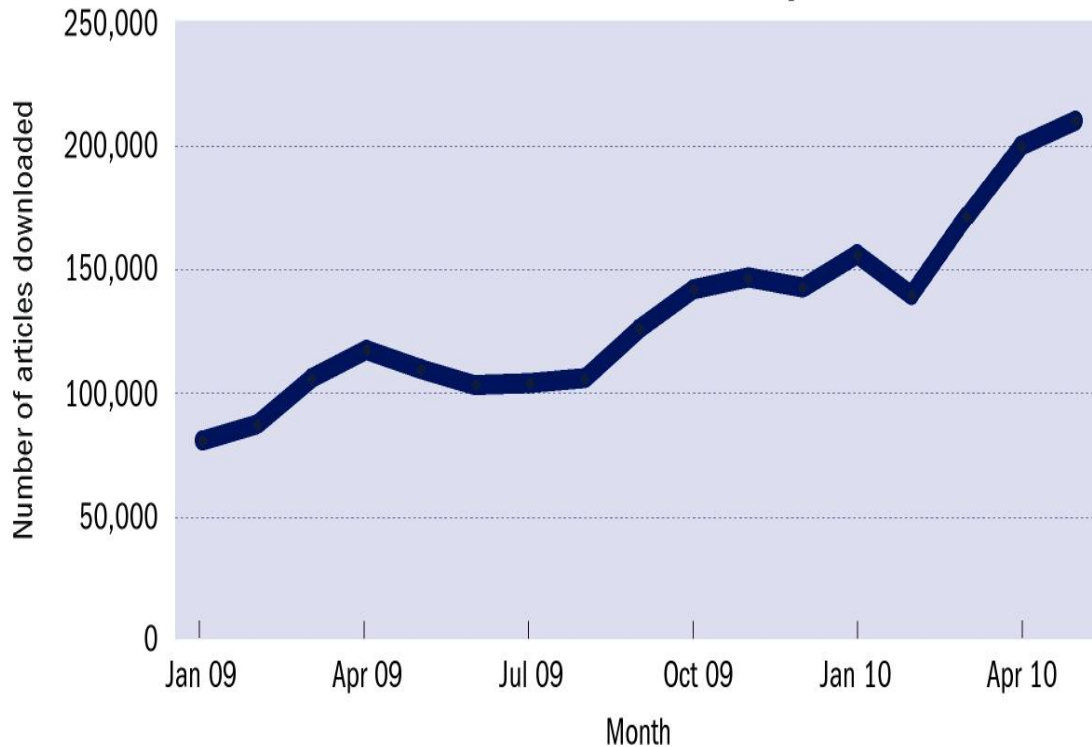
IOP Publishing

Journal of Physics: Conference Series (JPCS)

- **The first in the series**
 - Launched in August 2004
- **An open-access proceedings service**
 - Completely free to read online
 - Conference organisers pay fee per published article
 - Uses OA proceedings license - authors retain copyright
- **Online publication, with optional:**
 - Printed copies (hardback or softback)
 - CDs/DVDs/memory sticks
- **Approaching 250th published volume**
 - ~75 volumes expected in 2010
 - JPCS continues to expand

JPCS – readership

Number of articles downloaded **per month**



- **One of IOP's most read journals**
 - >1 million article downloads in 2008
 - expect > 2 million downloads in 2010

Previous and forthcoming events in JPCS

- **Major physics conferences published in JPCS include:**
 - **25th International Conference on Low Temperature Physics (LT25)**
6–13 August 2008, Amsterdam, The Netherlands
 - **International Conference on Magnetism (ICM 2009)**
26–31 July 2009, Karlsruhe, Germany
 - **International Conference on Photonic, Electronic and Atomic Collisions**
published 2007, 2009 and will publish 2011 proceedings
- **Forthcoming events:**
 - **26th International Conference on Low Temperature Physics (LT26)**
10–17 August 2011, Chinese Academy of Sciences, Beijing, China
 - **Third International Photonics and Optoelectronics Meeting (POEM 2010)**
3–5 November 2010, Wuhan, China

Open-access partnerships

- **Science and Technology of Advanced Materials (STAM)**
 - Launched in 2000 as subscription journal
 - Partnership with National Institute for Materials Science (NIMS) and IOP since 2008
 - Now 100% Open Access
 - Publishing costs covered by NIMS
 - 2009 Impact Factor = 2.599
- **Advances in Natural Sciences: Nanoscience and Nanotechnology**
 - Partnership this year with Vietnam Academy of Science and Technology (VAST)

Institutional memberships

- **JCAP and JINST**
 - Partnership with SISSA
 - Hybrid model
 - Fees based on number of papers published in journal
 - Advantage that fees are paid centrally once per year and not per article
 - Includes some very large research institutions
 - CERN, DESY, FermiLab, SLAC

arXiv (Cornell University) and IOP Publishing

- **Eprintweb.org**
 - IOP's implementation of the "arXiv" from Cornell University Library
 - Cross searchable with IOP hosted journals content
 - Cross searchable with ProQuest Dissertations (abstracts and metadata)
 - 1997-2010
 - Available to all visitors of our journal platform

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Dark Matter

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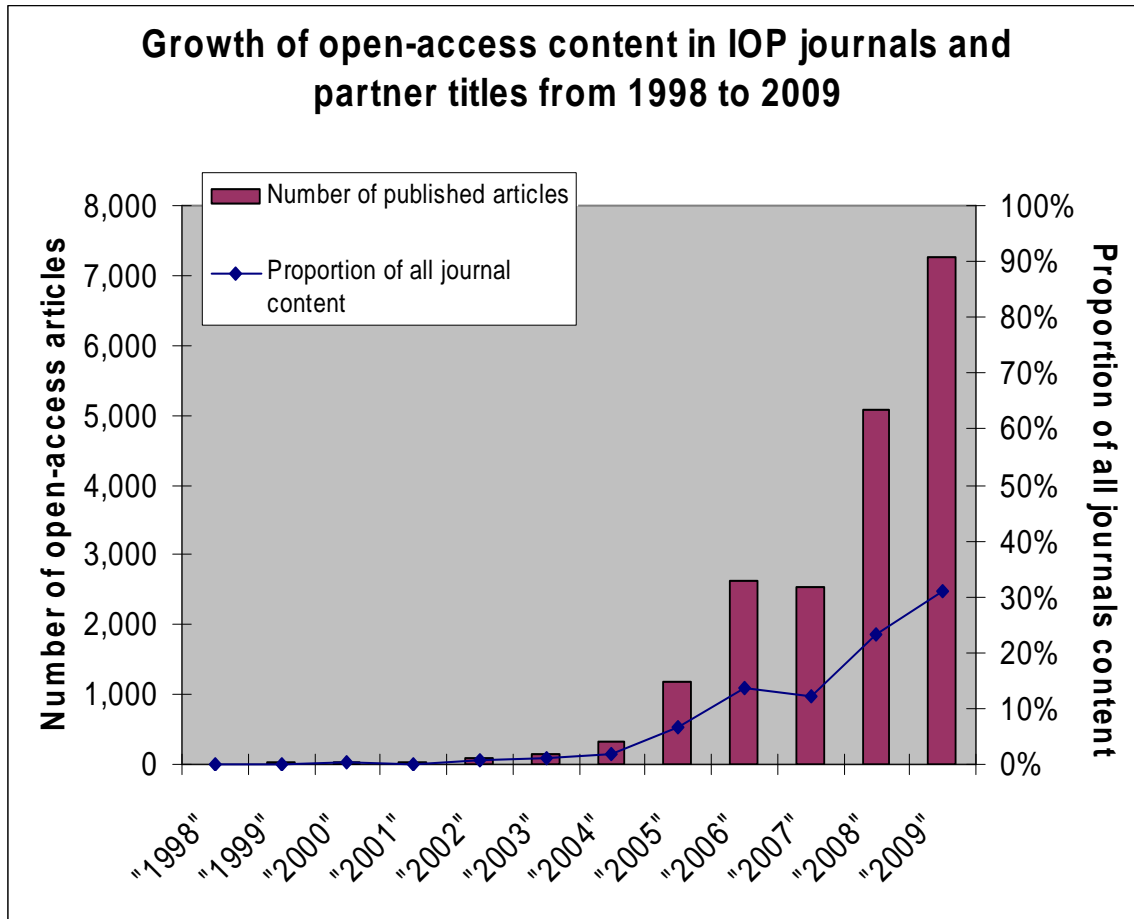
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 Tomoaki Ishiyama, Junichiro Makino and Toshikazu Ebisuzaki
 2010 *ApJ* 723 L195 doi: [10.1088/2041-8205/723/L195](#)

Growth of open-access content in IOP journals



- **Content across all IOP titles (including partnerships)**
- **More than one-third of articles are now open-access**
- **IOP Publishing is one of the largest OA publishers**

IOP and Open Access publishing

- **We have been open to different business models to the subscription model for more than 12 years**
- **We have been experimenting with open access models since before the phrase 'open access' was first used**
- **Revenues and infrastructure provided by our subscription publishing have supported our OA activities**
- **We would be happy to expand our Gold open access publishing, provided that we are able to set fees at realistic levels which will enable us to maintain our very high-quality publishing standards**
- **However, we oppose unfunded mandates for the deposit of our articles in repositories**
 - **This could (in our opinion) undermine our high-quality publishing and standards**

Thank you

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