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Nuclear Structure Physics Publishing at IOP

Chun Xiong (熊春)

Publishing Editor/出版编辑

IOP Beijing Office/英国物理学会 (IOP) 北京代表处

at the 15th Annual Conference on Nuclear Structure

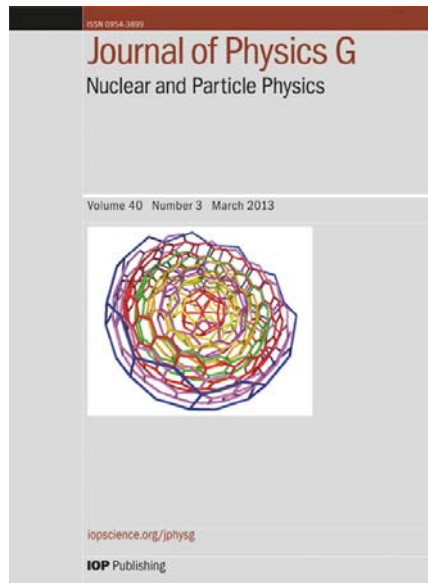
Guilin, 24 - 28 October 2014

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Outline

- IOP Nuclear Structure Physics (NSP) Journals
- NSP papers and qualities from China
- Paper quality
- Peer Review Process
- IOP Beijing Office
- Questions

IOP Nuclear Structure Physics Journals



IOP Nuclear Structure Physics Journals

(2013 Impact Factor)

- 1. Journal of Physics G: Nuclear and Particle Physics (2.838)
- 2. New Journal of Physics (3.673)
- 3. Journal of Cosmology and Astroparticle Physics (5.877)
- 4. Reports on Progress in Physics (15.633)
- 5. Chinese Physics C (CPS, 0.819)
- 6. Communications in Theoretical Physics (CPS, 1.049)
- 7. Research in Astronomy and Astrophysics (NAOC, 1.516)
- 8. The Astrophysical Journal (AAS, 4.052)
- 9. The Astrophysical Journal Letters (AAS, 6.285)
- 10. The Astrophysical Journal Supplement Series (AAS, 14.137)
- <http://iopscience.iop.org>

NSP articles published in IOP in 2013

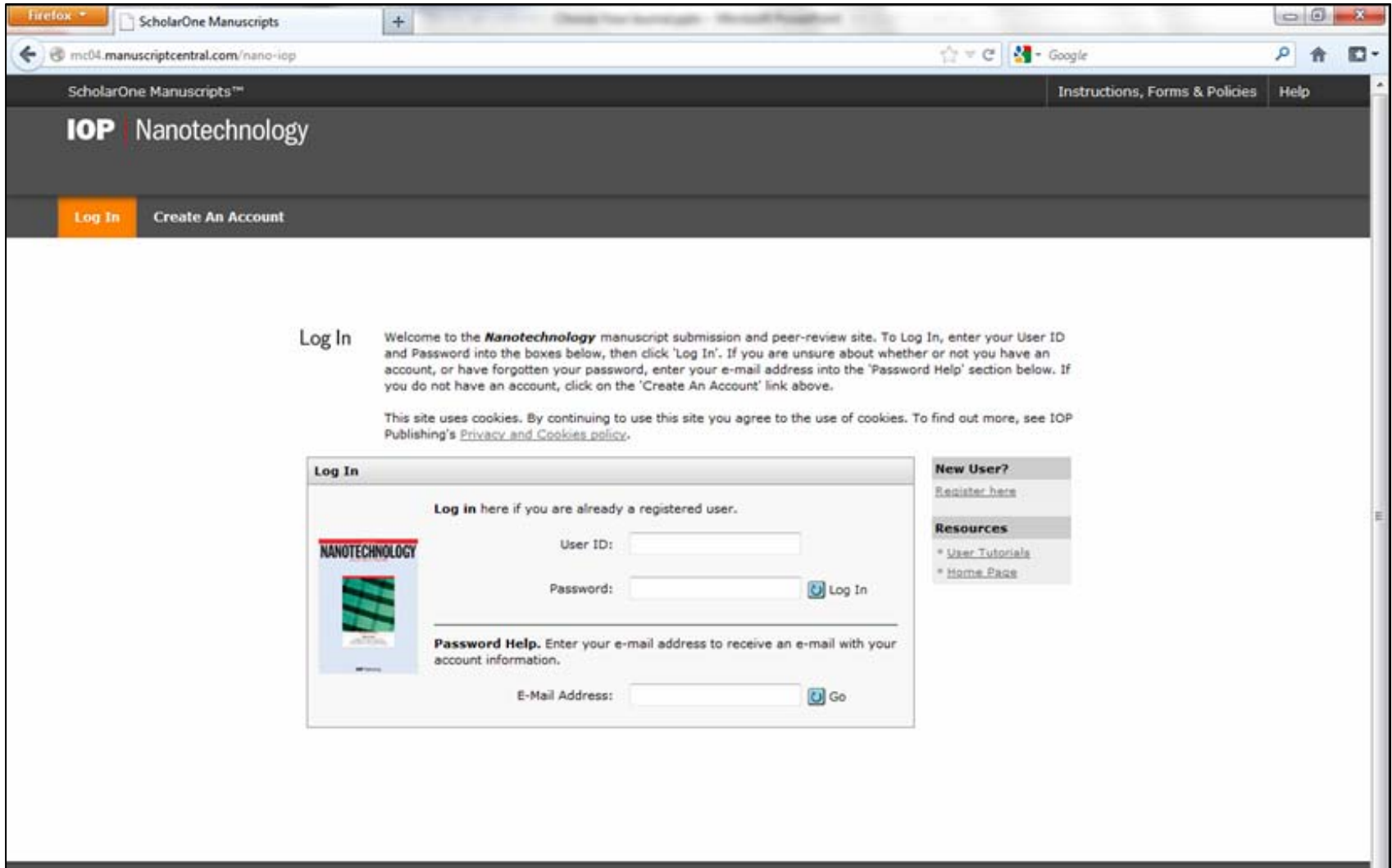
● Journal	Chinese papers	Total papers	Chinese papers/ world
1. JPhysG	22	175	12.6%
2. CQG	17	465	3.7%
3. NJP	55	927	5.9%
4. JPhysA	37	667	5.5%
5. JCAP	26	599	4.3%
6. APJ	125	2438	5.1%
7. APJL	40	567	7.1%
8. APJS	11	159	6.9%

Note: Figures include papers in all related fields.

J Phys G: Nuclear and Particle Physics (2013 IF: 2.838)

1. Quark Matter / QGP / Relativistic Heavy-Ion Collisions
2. Cosmic Rays & Particle Astrophysics
3. Hadronic Physics
4. Neutrino physics
5. **Nuclear Structure**
6. Lattice QCD
7. Underground Lab Physics

IOP Journals use Scholar One



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Funding Institutions req

Paper quality – Scientific merits of the paper

- Original work, novel and significant
 - Report a major advance or a new approach
 - Be set in context of previous research by yourself and others
- 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

Paper quality – The structure of the paper

- **Title** – Concise yet informative; draws attention of the reader
- **Abstract** – Summarizes paper into a single paragraph
- **Introduction**
 - Describe the **main goals**
 - Set the work in the **context** of previous research
 - Cite all **relevant** references



Writing Your Paper – The structure of the paper

● **Methods, Results and Discussion**

- Show your data in an **organized** manner
- Show the **significance and impact** of your results
- **Compare** with other published work
- Discuss the **implications and applications**



Writing Your Paper – The structure of the paper

● Conclusion

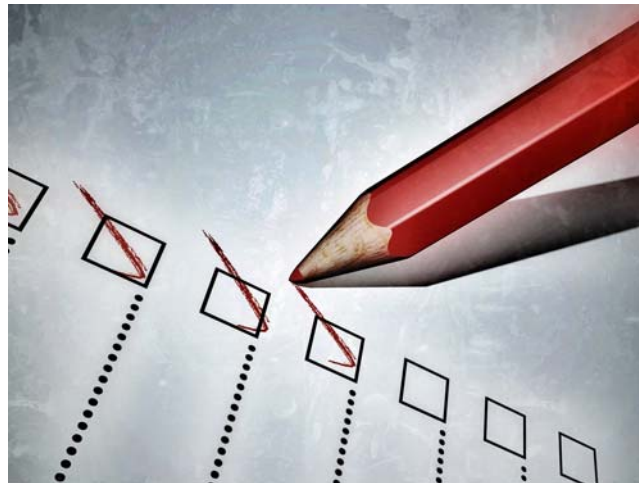
- Summarize your major points
- Highlight the novelty and significance of your work
- Answer questions put in the Introduction
- Include your plans for future work

● References – objective and up-to-date

● Acknowledgements – Recognize the contribution of funders or other assistance



● Peer Review



Peer review

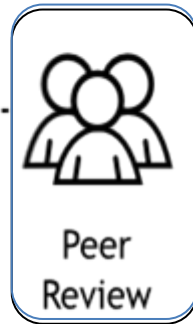
A: 'Pre-refereeing'

Content / Originality
Novelty / Scope

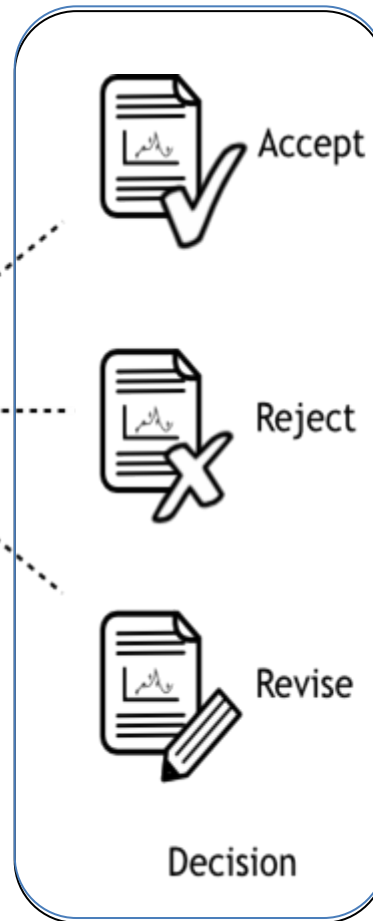


B: Referee selection

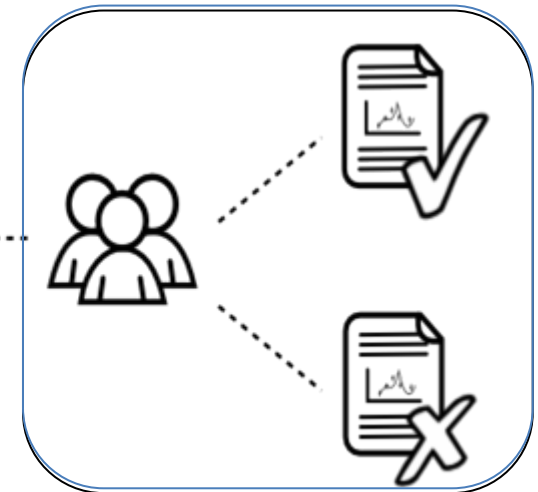
Expertise
Independence
Availability
Previous record



C: Making a first decision



D: Following revision



Publish



C: Making a first decision - Quality Assessment by referees

- **ORIGINALITY, SCIENTIFIC RIGOUR, SIGNIFICANCE**

- All referees are asked to consider these three qualities

- Score on a 1-10 basis (1=low, 10=high) in three categories

- Some questions as referees' guideline

- What impact will this article have in the field? (High, medium, low)
- Has the author made reference to the most recent and most appropriate work? (Yes, no)
- Is the article well written and the work clearly communicated? (Yes, no)
-

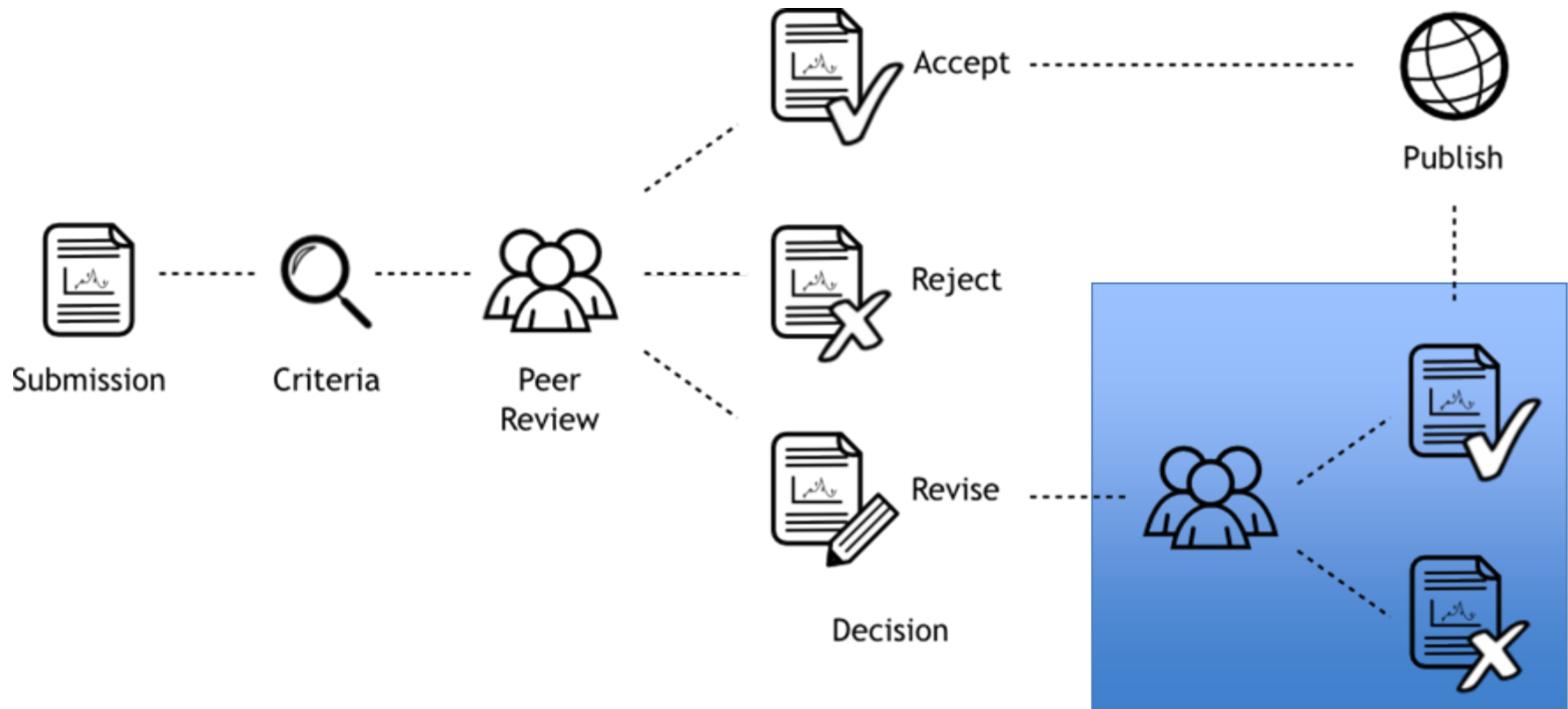
- **A good score is essential !**

Peer review: Responding to referees' comments

- Read each referee's report carefully -> 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 clearly
- If referee misses a point it is not necessarily his/her fault
- Be polite!
- Prepare a detailed covering letter with your response

FREE advice - use it!

D: Following revision



- Paper will be accepted if the referees are satisfied
- ...or rejected if the revisions are insufficient

Peer review: If your paper is accepted

- **Great** - Congratulations!
- The journal will expect you to check the final-proof rapidly
 - Nominate another person if you are unavailable
 - Give one copy of proofs to somebody else to read
 - Reply to editor's queries



Peer review: What if your paper is rejected?

- Use the advice you received to improve your paper
- You can re-write your paper and re-submit it to another journal
- If you think the decision was wrong most journals give you an opportunity to appeal

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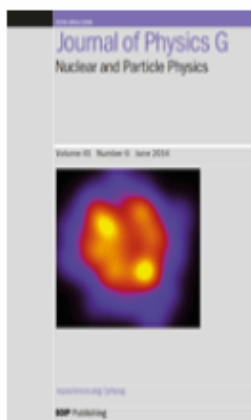
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2.838**2013 Impact Factor**

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J. Phys. G: Nucl. Part. Phys. (1989 - present) ▾

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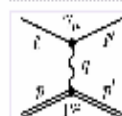
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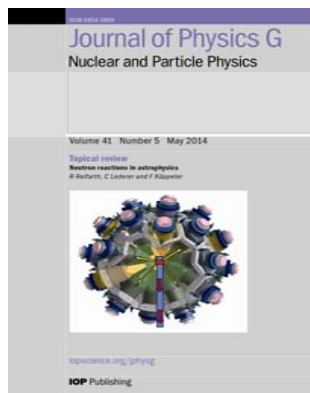
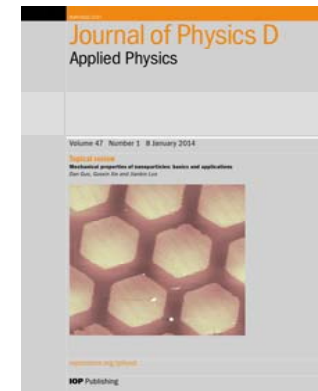
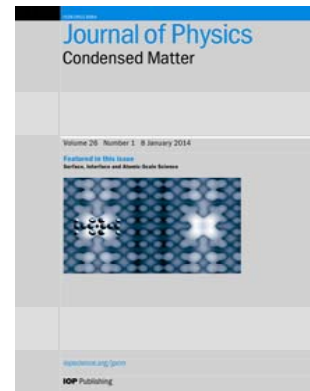
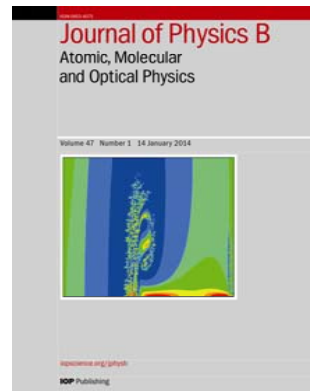
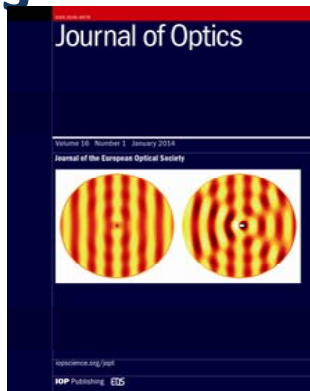
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