



Insights from a network of reviewers

PEERE - November 2015



Our mission is
to **speed up science**
by **harnessing** the power
of **peer review**

Agenda

- Why did we start Publons?
- How does Publons work?
- Interesting problems we've had to solve
- A couple of insights from the data
- How can this help editors?

Peer review is at the heart of science

**Peer review is the best method we have for
evaluating research**

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**Journal of publication is the best indicator we
have for outcome of peer review**

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**Journal of publication is the best indicator we
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Every journal article needs to be peer reviewed

Peer review is at the heart of science

**Massive pressure
to publish**



**Minimal incentive
to review**

Peer review is at the heart of science

Massive pressure to publish

- Increasing submissions
- Increasing rejections
- Reviewer fraud



Minimal incentive to review

- Slow review process
- Reviewer fatigue



**Providing an incentive to
peer review is the first step
to solving these problems**



✓ Verified reviewer

Publons advisor

291 Merit

 publons.com/a/250457/

 0000-0001-5477-0324

2 Affiliations

Has edited for 2 journals


Has reviewed for 25 journals

95 Pre Publication Reviews

 PROFILE

 STATISTICS

Elisabeth M. Bik

Research Associate - Department of Medicine, Stanford University 

Editorial Board Member - ISME Journal 

Editorial Board Member - Frontiers in Microbiology 

BIO

Elisabeth Bik is a Research Associate at the Department of Medicine, Division Infectious Diseases, at Stanford University's School of Medicine. She currently works on the microbiota analysis of marine mammals and children with inflammatory bowel diseases.

HAS EDITED FOR



The ISME Journal



Frontiers in Microbiology

HAS REVIEWED FOR



The ISME Journal



Journal of Applied Microbiology



Dental Research Journal



PLOS ONE



Pediatrics



Clinical and Translational Gastroenterology

Show more...

PRE PUBLICATION REVIEWS

Aug 2015 ✓ Reviewed for [PLOS ONE](#)

Aug 2015 ✓ Reviewed for [Clinical and Translational Gastroenterology](#)

Aug 2015 ✓ Reviewed for [Pediatrics](#)

Aug 2015 ✓ Reviewed for [The ISME Journal](#)

Aug 2015 ✓ Reviewed for [PLOS ONE](#)



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REVIEWS

95 Median: 4
99th percentile

MERIT

291 Median: 9
99th percentile

REVIEWS (LAST 12 MONTHS)

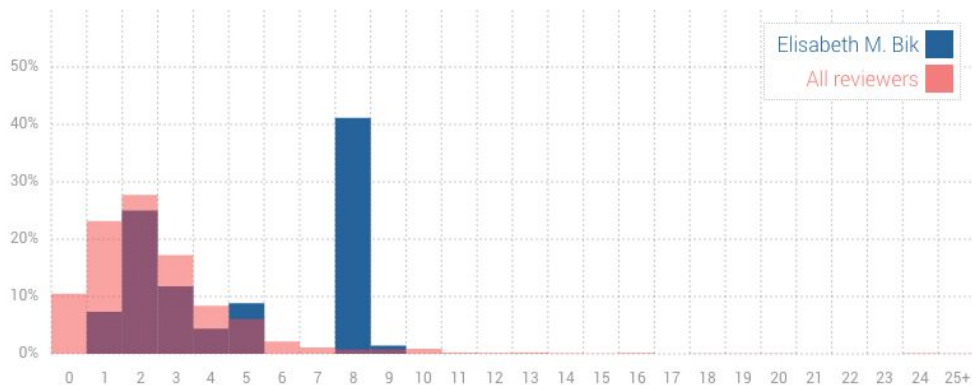
38 Median: 3
99th percentile

OPENNESS

2.1% Median: 0.0%
80th percentile

Impact factors of journals reviewed for

The distribution of the impact factors of journals Elisabeth M. Bik has reviewed for.



Add to your CV






















Verified Peer Review Record
PREPARED BY PUBLONS ON SEPTEMBER 18TH 2015

publons

Dr. Pierre Rêveur
<https://publons.com/a/0>

Peer Review Summary

Reviewed 56 manuscripts for journals including *Journal of Biological Chemistry* and *Journal of Agricultural and Food Chemistry*, placing in the 97th percentile for verified review contributions on Publons as at September 2015.

	11	Journal of Biological Chemistry
	9	Journal of Agricultural and Food Chemistry
	8	Bioscience Reports
	7	Frontiers in Plant Science
	7	Plant Proteomics
	5	Frontiers in Plant Physiology
	4	Journal of Proteome Research
	2	Journal of Proteomics
	2	Cell Stress and Chaperones
	2	Plant Physiology
	1	PLOS ONE
	1	Acta Physiologiae Plantarum
	1	Trends in Plant Science
	1	Biochemical Journal
	1	Critical Reviews in Biotechnology
	1	Functional Plant Biology
	1	Gene
	1	Plant Cell Reports
	1	South African Journal of Botany
	1	Biochemistry Research International
	1	Plant Systems Biology

...and your LinkedIn



Andrew R. H. Preston

Publons Peer Review Profile

☒ Andrew R. H. Preston ☐ Global average

Reviews performed in the last 12 months



Publons merit



Journals reviewed for



JOURNAL OF APPLIED PHYSICS



RADIATION PHYSICS AND CHEMISTRY

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









Top reviewers

Reviewers

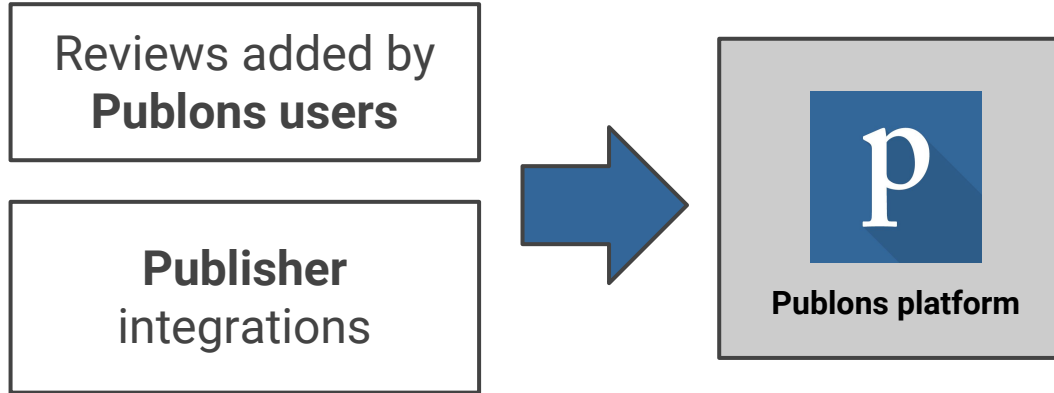
[CLEAR ALL](#)

General research field
Physics and Astronomy

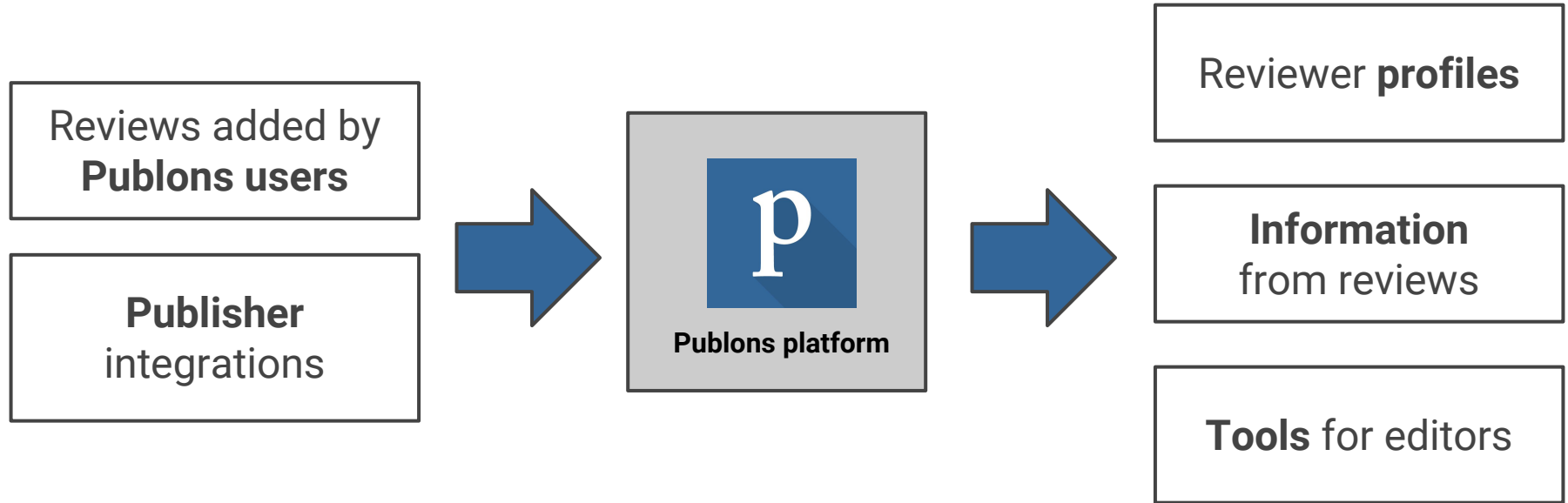
Specific research field
Condensed Matter Physics

REVIEWER	RESEARCH FIELD	UNIVERSITY	MERIT ▼
 Nam-Trung Nguyen	Materials Science, Condensed Matter Physi...	 Griffith University	528
 Marco Rossi	Materials Science, Condensed Matter Physi...	 Sapienz University of Rome	518
 Thomas Walther	Condensed Matter Physics	 University of Sheffield	420
 Ivan C. Christov	Mathematics, Condensed Matter Physics	 Purdue University	414
MF Mariana Fraga	Engineering, Condensed Matter Physics	 Instituto Tecnológico de Aeronáutica	375
DK Daniel Kiener	Materials Science, Condensed Matter Physi...	 Montanuniversität Leoben	357
 Timm Krueger	Condensed Matter Physics	 University of Edinburgh	342
PE Patrice Estellé	Engineering, Condensed Matter Physics	 Université Rennes I	321

Publons collects reviews and turns them into a verifiable, measurable research output



Publons collects reviews and turns them into a verifiable, measurable research output



50k
reviewers

220k
reviews

7k+
journals

4,000+ organic reviews last week

WILEY

SAGE

PeerJ

(GIGA)ⁿ
SCIENCE

eLIFE

AMERICAN
SOCIETY FOR
MICROBIOLOGY

MDPI

THE
ROYAL
SOCIETY

CAMBRIDGE
UNIVERSITY PRESS

ASNR

Emerald
GROUP PUBLISHING

publons
Speeding up science

100+ integrated journals

Key challenges

- **Verification**
- Privacy settings
- Reviewer identity

2015	✓	Reviewed for	Scientific Reports
Oct 2015	✓	Reviewed for	Journal of Molecular and Genetic Medicine
2015	✓	Reviewed for	Future Microbiology

Key challenges

- Verification
- **Privacy settings**
- Reviewer identity

Choose the default way reviews are displayed on your profile.

Privacy

Show journal & article title

Choose whether review content should be displayed by default.

Content

Publish review content

Now factor in:

- Reviewer preference
- Author preference
- Journal preference

Author interactivity

NAVIGATION

REVIEW HISTORY

EMAILED REVIEWS

PUBLICATIONS

Follow publications to track their activity

Publication Title

Publication DOI

☐ I am an author of this publication

ADD




TITLE	JOURNAL	ACTIVITY	
The Future of Academic Research DOI:10.6084/m9.figshare.871466	Figshare	★ 📄 👁 🗨	Remove
E-Readers Are More Effective than Paper for Some with Dyslexia DOI:10.1371/journal.pone.0075634 Roles: Author	Plos One	☆ 📄 🗨 🗨	Remove Hide review content
Strategies for containing Ebola in West Africa DOI:10.1126/science.1260612 Roles: Author	Science	☆ 📄 🗨 🗨	Remove Show review content


Key challenges

- Verification
- Privacy settings
- **Reviewer identity**

Email accounts

Add any email addresses you would like to send review receipts from.
If we ever need to contact you we will do so via your primary email address.

EMAIL	PRIMARY	VERIFIED	
andrew.preston@gmail.com	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>	
andrew@preston.co.nz	<input type="radio"/>	<input checked="" type="checkbox"/>	
andrew@publons.com	<input type="radio"/>	<input checked="" type="checkbox"/>	

 Add another email address

Reviewers have added up to 9 different email addresses

How is this a network?

Reviewers

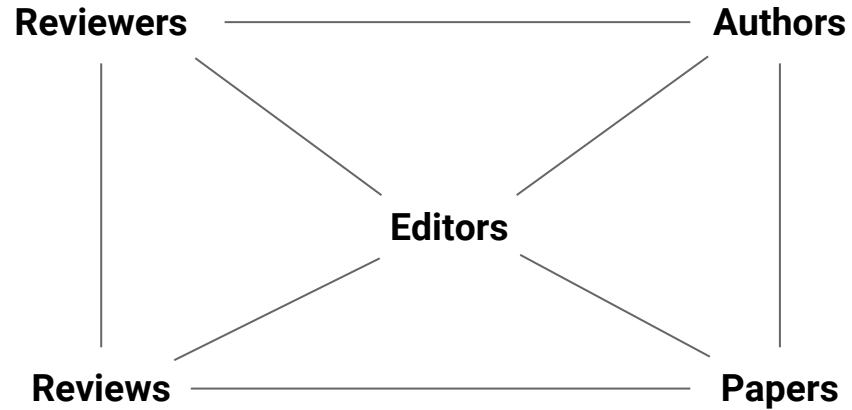
Authors

Editors

Reviews

Papers

How is this a network?

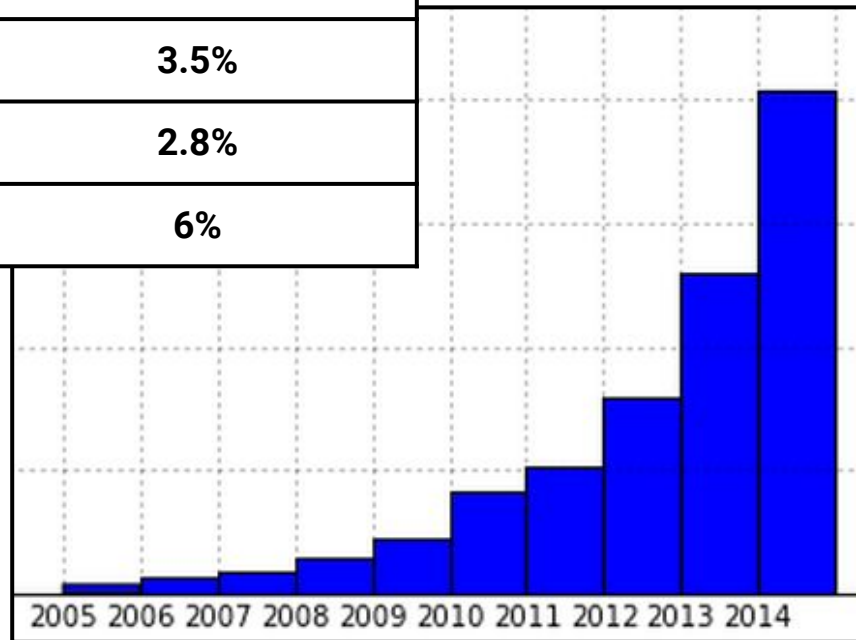




Insights

Published and unpublished reviews

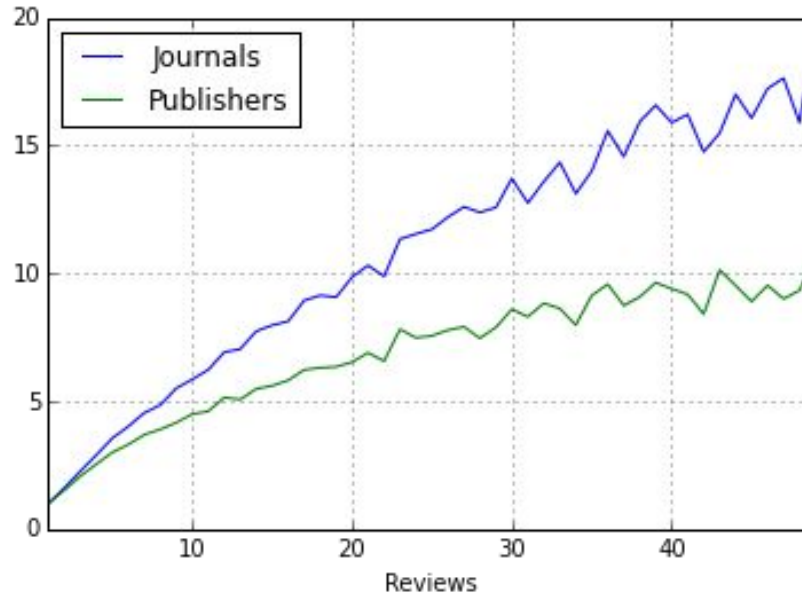
	Unpublished	Published
Word count	518.6	586.1
Positive sentiment	3.2%	3.5%
Negative sentiment	2.6%	2.8%
Self-citation rate	4%	6%



Reviewers are publisher agnostic

For reviewers who have done 10 reviews:

- they reviewed for 5.9 different journals
- they reviewed for 4.5 different publishers



The editor perspective

Journal overview

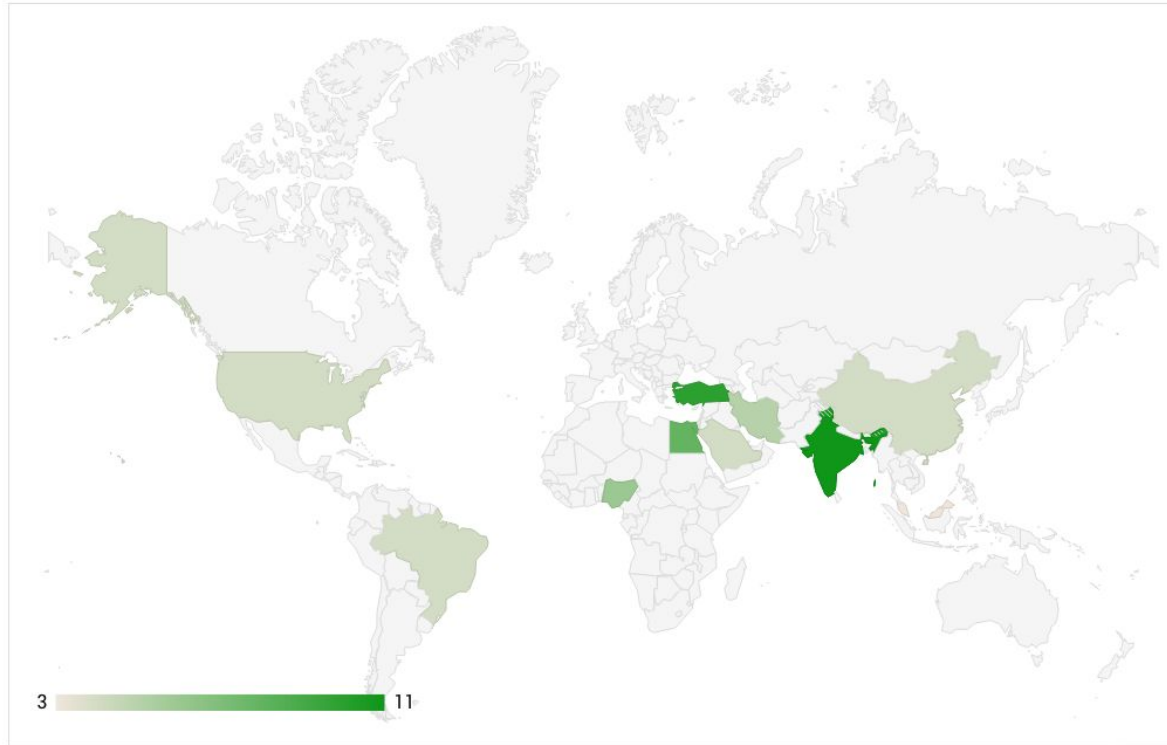
A brief overview of your journals. Click each journal to see more details.

Period: 2015 | Jan '15 | Feb '15 | Mar '15 | Apr '15 | May '15 | Jun '15 | Jul '15 | Aug '15 | Sep '15 | Oct '15 | **Nov '15**

JOURNAL	CONTENT	PRIVACY	REVIEWERS	REVIEWS	UNVERIFIED	SIGNED	PUBLISHED	CLICKS	ENDORSE
Human & Experimental Toxicology	Unpublished	Journal	24	99	1	1	2	31	5
Molecular Ecology	Unpublished	Journal	20	32	0	0	0	33	3
Publons			0	0	0	0	0	1	0
Total			44	131	1	1	2	65	8

Download as: [csv](#) | [xlsx](#) | [json](#)

Where do our reviewers come from?



Where else do they publish?

Period: 2015 | Jan '15 | Feb '15 | Mar '15 | Apr '15 | May '15 | Jun '15 | Jul '15 | Aug '15 | Sep '15 | Oct '15 | **Nov '15**

RANK	JOURNAL	PUBLISHER	SIMILARITY
1	Proceedings of the Royal Society B: Biological Sciences	The Royal Society	3
2	The ISME Journal	Nature Publishing Group	3
3	Applied and Environmental Microbiology	American Society for Microbiology	2
4	Environmental Science and Pollution Research	Springer	2
5	BMC Evolutionary Biology	BioMed Central	2
6	Biological Conservation	Elsevier	2
7	Global Change Biology	Wiley	2
8	Science Advances		1
9	Biodiversity and Conservation	Springer	1
10	Graellsia	Instituto Espanol de Entomologia del Consejo Superior de Investigaciones Cientificas	1

Download as: [csv](#) | [xlsx](#) | [json](#)

Who are they? And who else should I be considering?

Top reviewers

Most engaged reviewers over this time period.

REVIEWER	REVIEWS	ALL REVIEWS
Ahmed E. Abdel Moneim	3	12
ADIL MEHRAJ KHAN	3	20
Mahmoud Ghazi-khansari	2	6
Ali Shalizar Jalali*	2	106
Lesley Ann Stanley	1	2
Milena Veskovic	1	17
Mustafa Erboga	1	5
Afshin Mohammadi-Bardbori	1	1
Abdel-Rahman B. Abdel-Ghaffar*	1	2
Jane Stanley	1	71

Suggested reviewers

Calculated based on review history.

REVIEWER	MERIT	CONTACT
Jaspinder Kaur	196	Contact
Toru Watanabe	1406	Contact
Andrea Borghini	145	Contact
Alexander Berezin	240	Contact
Sandro Percario	233	Contact
Ashish Anand	299	Contact
Sahar Mohamed Kamal	171	Contact
Dr Triveni Krishnan	306	Contact
Mario Ciampolini	105	Contact
Mohamed M. Abdel-Daim	161	Contact

Can I trust this reviewer?

Screen reviewer

Check a candidate reviewer's history by entering their email address.

Reviewer's publishing name

Andrew Preston

Email address

andrew.preston@gmail.com

SCREEN REVIEWER

Can I trust this reviewer?

Contact

Contact

Contact [Andrew R. H. Preston](#) through Publons using their preferred email address.

Affirmative

- We can confirm the owner of andrew.preston@gmail.com created the profile you see above, as they have verified their email with Publons.
- The reviewer associated with this email address (Andrew R. H. Preston) has 2 reviews verified by the journal or editor. Verified reviews are extremely difficult to fake.

Warnings

- The supplied name ("Andrew Preston") does not match the reviewer name we have for this email address ("Andrew R. H. Preston").

Alerts

If you have any reason to believe the above information is incorrect in any way, please [contact us](#).

Background

Details

HAS REVIEWED FOR



Journal of Applied Physics



Radiation Physics and Chemistry

PRE PUBLICATION REVIEWS

May 2014 ✓ Reviewed [Electronic transitions in GdN band ...](#) for [Journal of Applied Physics](#)

Apr 2014 ✓ Reviewed [Electronic transitions in GdN band ...](#) for [Journal of Applied Physics](#)

[Read](#)

2011 Reviewed for [Radiation Physics and Chemistry](#)

POST PUBLICATION REVIEWS

Happy to collaborate on research projects

(We have an API)



Publons

Speeding up and evaluating research

andrew@publons.com
[@arhpreston](https://twitter.com/arhpreston)