



Improving quality in peer review

Daniel Johnston, Cofounder

**We make science go faster by
improving the speed and quality
of peer review.**

70,000

Researchers



400,000

Reviews

1,000

Journal partners



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2016	✓	Reviewed for	Chemistry - A European Journal
2016	✓	Reviewed for	RSC Advances
2016	✓	Reviewed for	Physical Chemistry Chemical Physics
2016	✓	Reviewed for	Physical Chemistry Chemical Physics
2016	✓	Reviewed for	RSC Advances
2016	✓	Reviewed for	Molecular Physics
2016	✓	Reviewed for	Ionic
2016	✓	Reviewed for	Physical Chemistry Chemical Physics
2016	✓	Reviewed for	Physical Chemistry Chemical Physics
2016	✓	Reviewed for	Molecular Physics

**Reviewer
performs review
for journal**



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✓ Verified reviewer

📖 359 Reviewer Merit

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5 Affiliations

Has edited for 1 journal

Has reviewed for 27 journals

117 Pre Publication Reviews

PROFILE

STATISTICS

Matthias Lein

Senior Lecturer - School of Chemical and Physical Sciences, Victoria University of Wellington

EDITORIAL BOARD MEMBERSHIPS

Journal of Chemistry

HAS REVIEWED FOR

Physical Chemistry Chemical Physics

Dalton Transactions

Journal of Molecular Structure

The Journal of Organic Chemistry

International Journal of Quantum Chemistry

Chemical Communications

Computational and Theoretical Chemistry

Organometallics

Theoretical Chemistry Accounts

Journal of Physical Chemistry

Journal of Organometallic Chemistry

Molecular Physics

PRE PUBLICATION REVIEWS

2016 ✓ Reviewed for [Chemistry - A European Journal](#)

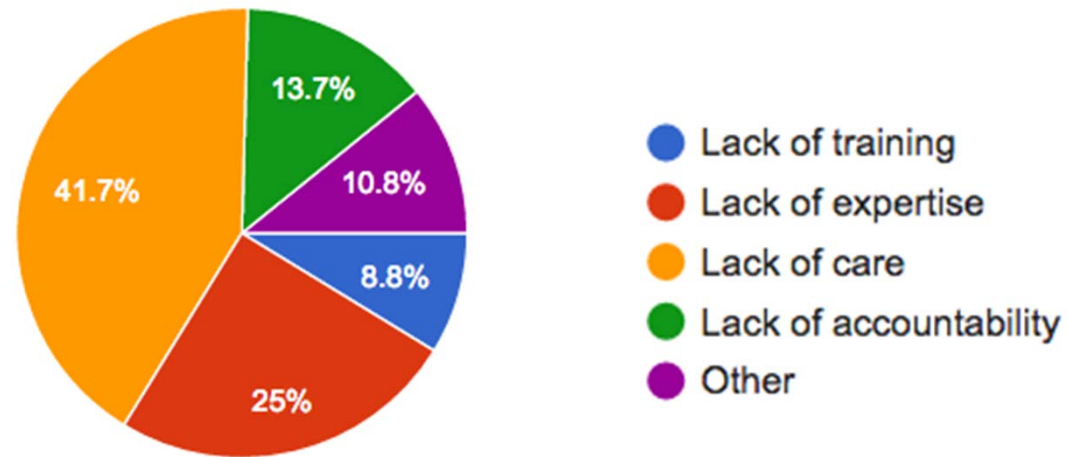
2016 ✓ Reviewed for [RSC Advances](#)

2016 ✓ Reviewed for [Physical Chemistry Chemical Physics](#)

2016 ✓ Reviewed for [Physical Chemistry Chemical Physics](#)

**Recognition for peer review is the
first step to improving quality.**

**We asked editors:
what is the main cause of low-quality reviews?**



Answer: lack of care shown by reviewers.

Now researchers use peer review to get promoted.



"It was an absolute no brainer to include my Publons profile and verified review record in my promotion application. It really stood out that someone could verify what I had done in terms of peer review."

- Dr. Matthias Lein

Recognition improves peer review

8%

**Faster
review**

18%

**Increase in accepted
review invitations**

Median improvements 6-month pilot of 15 journals (12 Wiley journals).

**Next step: measuring and
improving review quality.**

Rewarding high-quality review

How clear was this review?

Exceptional

Above average

Below average

Poor

How thorough was this review?

Exceptional

Above average

Below average

Poor



PROFILE

Andrew R. H. F.

Postdoc - Department of Physics, Boston I

PRE PUBLICATION REVIEWS

- 2016 ✓★ Reviewed for [PeerJ](#)
- 2016 ✓ Reviewed for [Journal of Int](#)
- 2016 ✓ Reviewed for [Publons](#)
- 2014 ✓ Reviewed [Electronic transit](#)

Verified reviewer

50 Reviewer Merit

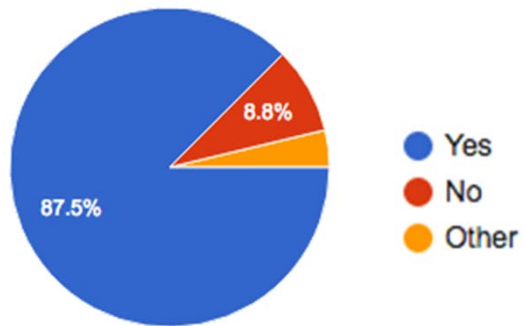
1 Exceptional Review

**Editor and authors
rate review**

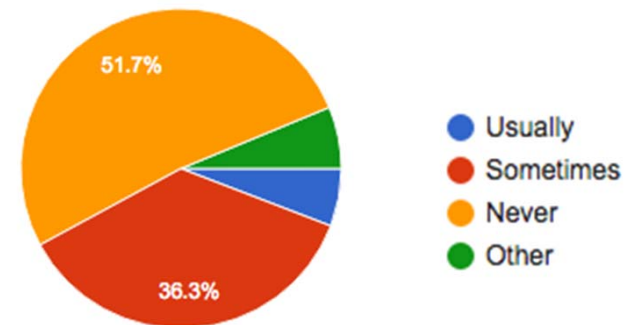
**High-quality reviews are
highlighted on profile**

Reviewer feedback

**Reviewers:
do you want feedback?**



**Editors:
do you give feedback?**



The Publons plan for improving review quality:

Give reviewers a reason to care about peer review

Reward high-quality review

Encourage feedback to improve performance



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