



OAI9 - Quality Assurance

June 2015

Journals

have long been the gatekeepers
of research quality



Publish or perish

Incentives

- Authors -- build career
- Journals -- earn money



Outcomes

- Large volumes of submissions
- Good reasons to accept more submissions (cascade journals etc)

Publish or perish

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Outcomes

- Large volumes of submissions
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No incentive to review

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Outcomes

- Large volumes of submissions
- Good reasons to accept more submissions (cascade journals etc)

No incentive to review



Challenges

- Find qualified reviewers
- Screen reviewers
- Contact them
- Get them to review



Peer review

is at the **heart of research**

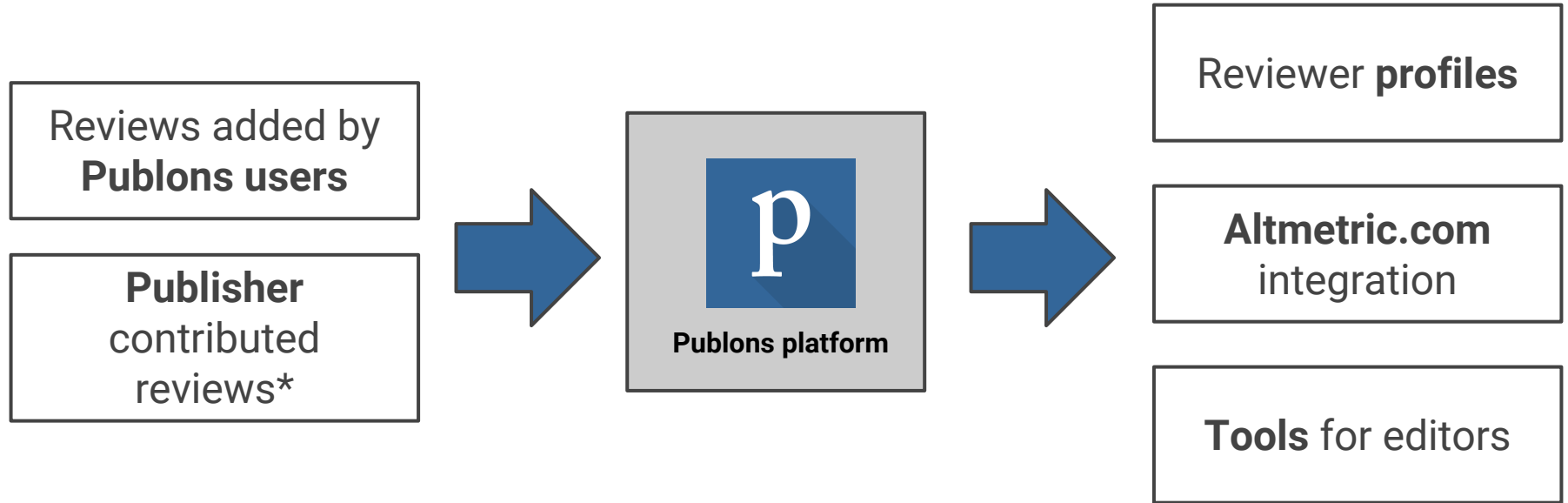


Our mission is
to **speed up science**
by **harnessing** the power
of **peer review**




Start with incentives

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



* 95% of Publons reviewers opt to have Publisher reviews auto-added to their profiles.

Publons gives cross-publisher recognition for peer review




Steven B. Roberts

Associate Professor - University of Washington [↗](#)
Editorial Board - Scientific Data [↗](#)




BIO




Steven has not yet completed their profile bio.

EDITOR FOR

 Scientific Data

REVIEWER FOR

 BMC Genomics  Aquaculture  PLOS ONE

 Journal of Invertebrate Pathology  Heredity  Ecotoxicology and Environment...

[Show more...](#)

PRE PUBLICATION REVIEWS

Nov 2014 ✓ Reviewed for [Molecular Ecology](#)

Oct 2014 ✓ Reviewed for [Scientific Reports](#)

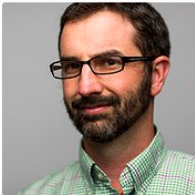
Sep 2014 ✓ Reviewed for [BMC Genomics](#)

Sep 2014 ✓ Reviewed for [Heredity](#)

Jun 2014 ✓ Reviewed Unfit for cold: liver transc... for [BMC Genomics](#) [Read](#)

Apr 2014 ✓ Reviewed for [Ecotoxicology and Environmental Safety](#)


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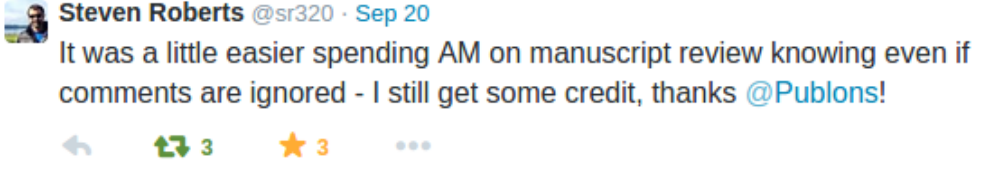
Show more...

PRE PUBLICATION REVIEWS

Nov 2014	✓ Reviewed for	Molecular Ecology
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Sep 2014	✓ Reviewed for	BMC Genomics
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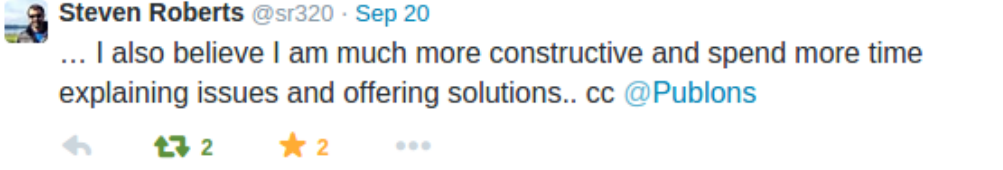
Verified reviewer
38 total merit
0000-0001-8302-1138

2 Affiliations
Has edited for 1 journal
11 Pre Publication Reviews



Steven Roberts @sr320 · Sep 20
It was a little easier spending AM on manuscript review knowing even if comments are ignored - I still get some credit, thanks @Publons!

← ↻ 3 ★ 3 ⋮



Steven Roberts @sr320 · Sep 20
... I also believe I am much more constructive and spend more time explaining issues and offering solutions.. cc @Publons

← ↻ 2 ★ 2 ⋮

NATURE | TOOLBOX: Q&A

The scientists who get credit for peer review

Publons rewards researchers for putting their peer-review activity online. *Nature* spoke to the startup's co-founder and two super-users.

Richard Van Noorden

↻ ✉ 🖨

“This year I will be evaluated by my institution for a promotion and in the documents I am including a link to my Publons profile to show my peer-review activity.”

Personal analytics

The screenshot shows the Publons website interface for a reviewer named Alex Bateman. The top navigation bar includes the Publons logo, a search bar, and links for ABOUT, BROWSE, and ACTIONS. The user's profile is visible in the top right corner.

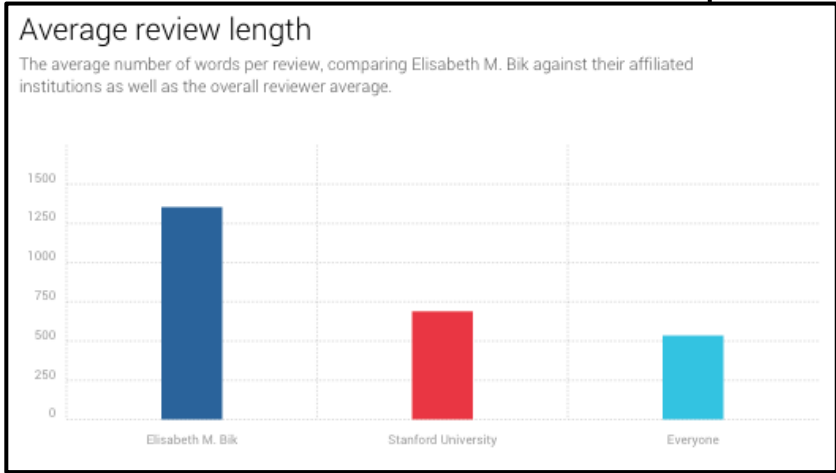
The main content area is divided into two tabs: PROFILE and STATISTICS. The PROFILE tab is active, displaying a profile picture of Alex Bateman and several key statistics:

- REVIEWS:** 136 (Median: 3, 99th percentile)
- MERIT:** 414 (Median: 9, 99th percentile)
- ACCEPTANCE RATE:** 68.9% (Median: 59.3%, 58th percentile)

Below the profile picture, there are several status indicators:

- Verified reviewer (green checkmark)
- Publons Advisor (red star)
- 414 total merit (blue 'P' icon)
- ORCID ID: 0000-0002-6982-4660 (green 'ID' icon)

On the left side of the profile, there is a section for 'journals' with a count of '35 journals' and 'on Reviews'.



Boosts Altmetric scores

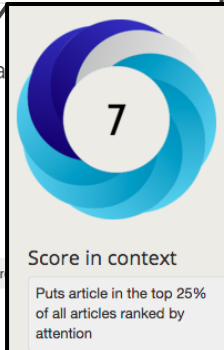


TITLE
Leaf litter decomposition rates increase with rising mean annual temperature in Hawaiian tropical montane wet forests

PUBLISHED IN
PeerJ SOURCE

AUTHORS
LD Lori D. Bothwell PC Paul C. Selmans CP Christian P. Giardina CM Cr

LINKS
GOOGLE SCHOLAR ALTMETRIC



Score in context
7
Puts article in the top 25% of all articles ranked by attention
show more...

Mentioned by
6 tweeters
1 peer review site
1 Facebook user

Readers on
0 Mendeley
0 CiteULike

Leaf litter decomposition rates increase with rising mean annual temperature in Hawaiian tropical montane wet forests

Twitter Peer reviews Facebook Score Demographics Help

So far Altmetric has seen 1 peer review site that discusses this article.

Publons
This paper has 3 reviews on Publons, an academic research evaluation site.

Review by Frederique Reverchon
Basic reporting No comments Experimental design This manuscript deals with the effect of temperature on litter decomposition in a wet montane tropical forest, measured through an elevation ..
25-Sep-2014

Review by Anonymous
Basic reporting This study examines how temperature alters litter decomposition rate using an elevation gradient. It found that both litter decay and N loss increased with temperature. The ma ..
22-Sep-2014

Review by Anonymous
Basic reporting This article is well structured and written. The objectives are very clear with sufficient introduction and

Peer Review Timeline

TIMELINE EVENT

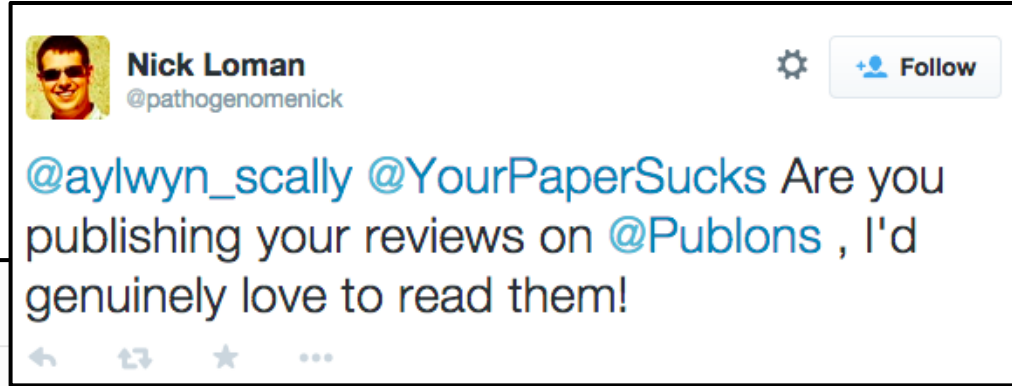
PUBLISHED IN PeerJ **DATE** December 2014

PRE-PUBLICATION REVIEW SEP 2014

VERIFIED

Merit: 5

And gives you a way to read what the experts thought



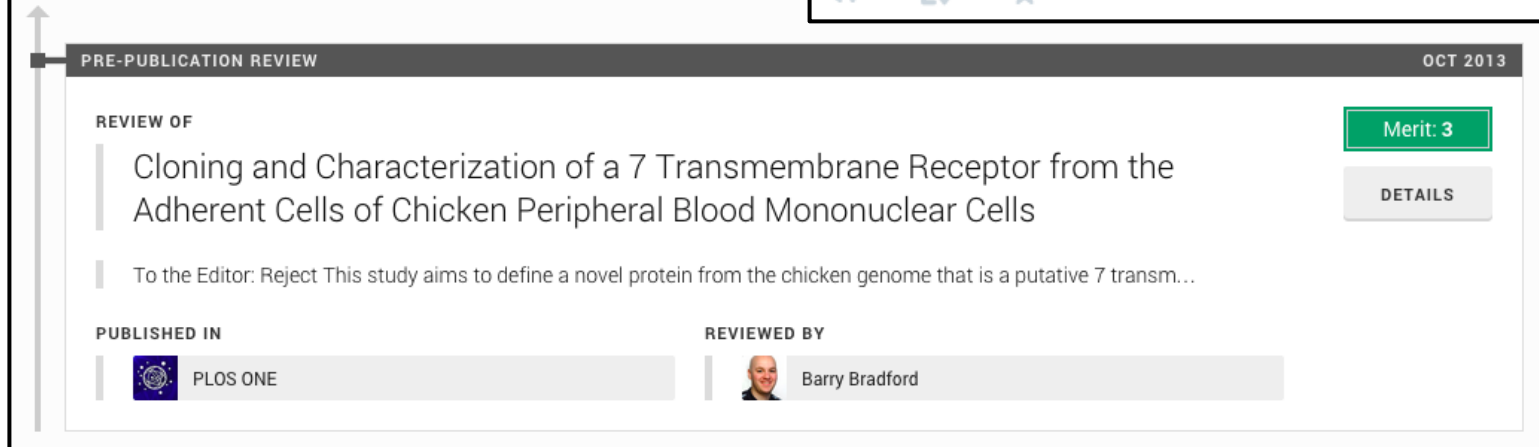
Nick Loman
@pathogenomenick

⚙️ [Follow](#)

@aylwyn_scally @YourPaperSucks Are you publishing your reviews on @Publons , I'd genuinely love to read them!

↩️ ↻ ⭐ ⋮

Peer Review Timeline



PRE-PUBLICATION REVIEW OCT 2013

REVIEW OF



Cloning and Characterization of a 7 Transmembrane Receptor from the Adherent Cells of Chicken Peripheral Blood Mononuclear Cells

Merit: 3

DETAILS

To the Editor: Reject This study aims to define a novel protein from the chicken genome that is a putative 7 transm...

PUBLISHED IN REVIEWED BY

 PLOS ONE  Barry Bradford


We aim to support all kinds of review

Publons supports all types of review:

- Open or blind
- Published or unpublished

Publons will work with your editors to set and communicate a formal review policy.

JOURNAL




Antimicrobial Agents and Chemotherapy

ABOUT ANTIMICROBIAL AGENTS AND CHEMOTHERAPY

Antimicrobial Agents and Chemotherapy (AAC) features interdisciplinary studies that build our understanding of the underlying mechanisms and therapeutic applications of antimicrobial and antiparasitic agents and chemotherapy.

[VISIT JOURNAL WEBSITE](#)

PUBLISHED BY

 American Society for Microbiology

REVIEW POLICY (INFORMATION ICON)

- Does not allow reviews to be published
- Enforces blind review

REVIEWS

Total: 102

Platform momentum

38k+
reviewers

100k+
reviews

6k+
journals

>2,500 organic reviews last week

Journal integration



Dear [Reviewer Name]

...

Your review is important to us and we want to recognise that. We've partnered with Publons.com to give you the opportunity to get credit for performing this review. Publons is optional -- learn more about how it benefits you here:

[https://publons.com/in/\[publisher\]/](https://publons.com/in/[publisher]/) [1]

Regards,

[Editor Name]

Editor in Chief

WILEY



SAGE

(GIGA)ⁿ
SCIENCE

PeerJ

eLIFE

(Plenty more to come...)

Journal integration



Comments to the Author

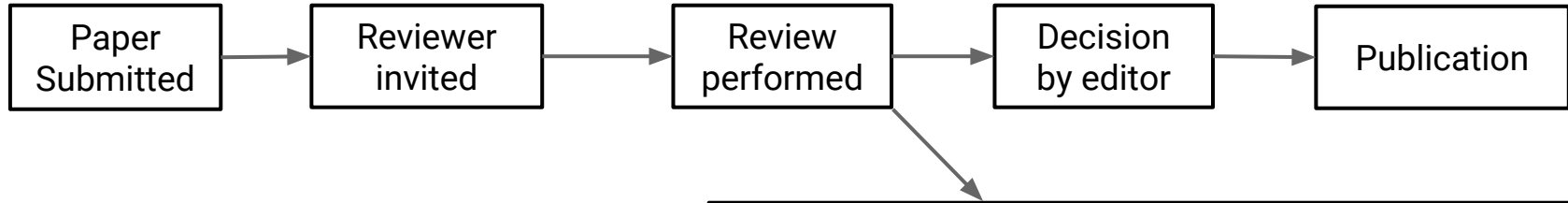
Do you want to get credit for reviewing this manuscript on Publons? [\(what's this?\)](#)

<input type="radio"/>	Yes
<input type="radio"/>	No

Attach a File	Files attached
<input type="button" value="Choose File"/> No file chosen <input type="button" value="Attach"/>	<ul style="list-style-type: none">No files have been uploaded.

Save as Draft Submit

Journal integration



WILEY

Dear {{ Reviewer }},

Thank you again for reviewing "{{ Manuscript Title }}" for *International Journal for Numerical Methods in Biomedical Engineering*. You indicated that you would like to receive credit for your review on Publons, which you can do so now by claiming your review here:

[Add your review to your reviewer profile](#)

Once claimed, you will be able to create a profile on Publons and the review will be added and verified. Your anonymity is protected by default, but you may reveal additional details about your review according to our [official policy](#).

Please contact us or check the [Wiley-Publons info page](#) if you have any questions.

Reward reviewers and Engage with the original article

TITLE

Characterization of Five Typical Agave Plants Used To Produce Mezcal through Their Simple Lipid Composition Analysis by Gas Chromatography

PUBLISHED IN

 Journal of Agricultural and Food Chemistry

AUTHORS

JM Juan Fco. Martínez-Aguilar AP Araceli Peña-Álvarez

SOURCE

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JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY

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Article < Previous Article Next Article

Characterization of Five Typical Agave Plants Used To Produce Mezcal through Their Simple Lipid Composition Analysis by Gas Chromatography

Juan Fco. Martínez-Aguilar* and Araceli Peña-Álvarez
Laboratorio 101, Departamento de Química Analítica, Facultad de Química, Universidad Nacional Autónoma de México, D.F., Mexico

J. Agric. Food Chem., 2009, 57 (5), pp 1933–1939
DOI: 10.1021/jf802141d
Publication Date (Web): February 13, 2009
Copyright © 2009 American Chemical Society

* To whom correspondence should be addressed. Tel: +5255-56223794. Fax: +5255-56223723. E-mail: elcuaderno@yahoo.com.mx.

PDF [708 KB] Abstract
PDF w/ Links[212 KB] Figures
Full Text HTML Reference QuickView
Citing Articles
Add to ACS ChemWorx

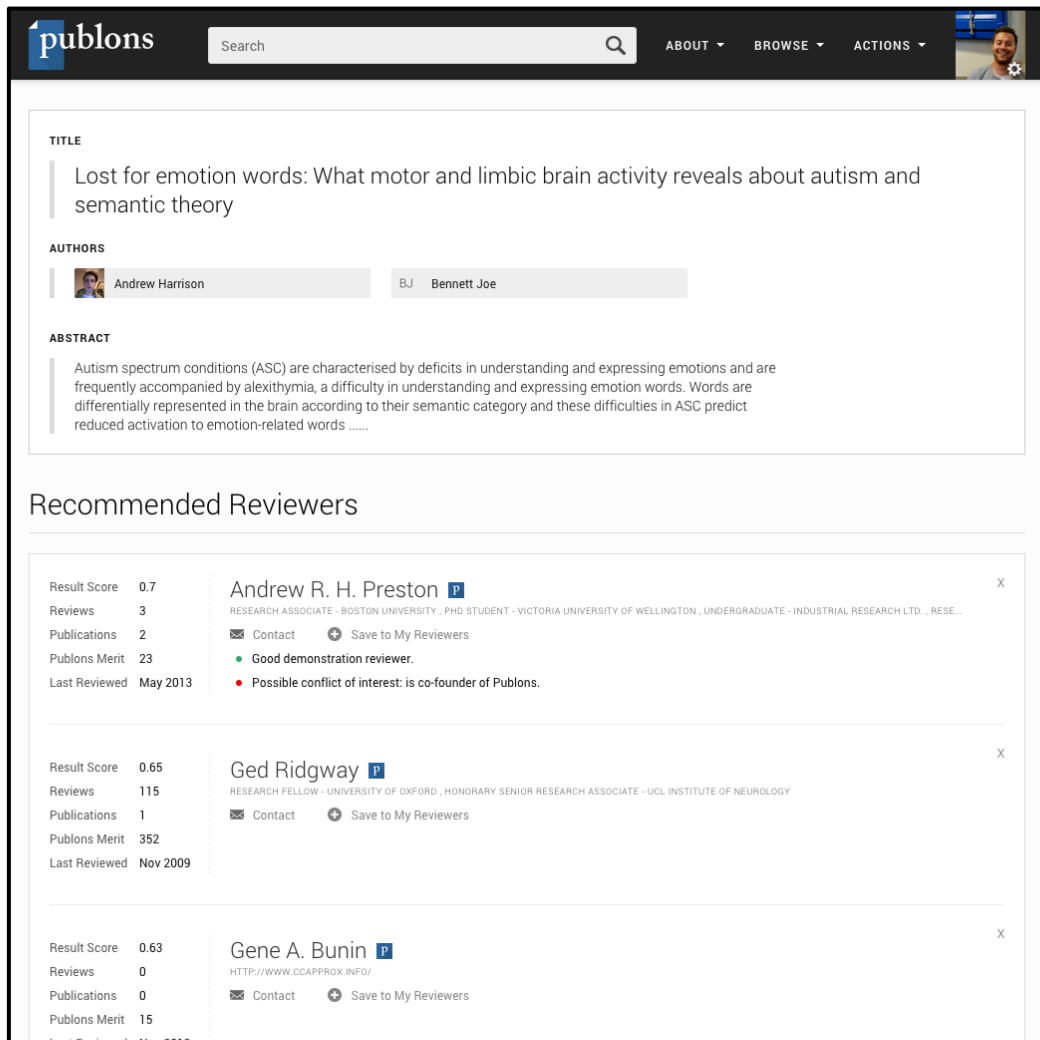
ACS Section: Food and Feed Chemistry



Build tools to help editors

Tools for your editors

1. **Find** suitable reviewers
2. **Screen** candidate reviewers
3. **Contact** reviewers through confirmed email addresses
4. **Motivate** reviewers to perform the review



The screenshot shows the Publons website interface. At the top, there is a search bar and navigation links for 'ABOUT', 'BROWSE', and 'ACTIONS'. The main content area displays a search result for a paper titled 'Lost for emotion words: What motor and limbic brain activity reveals about autism and semantic theory'. The authors listed are Andrew Harrison and Bennett Joe. Below the title is an abstract snippet. Underneath the abstract is a section titled 'Recommended Reviewers' which lists three potential reviewers: Andrew R. H. Preston, Ged Ridgway, and Gene A. Bunin. Each reviewer's profile includes their name, affiliation, a 'Contact' button, a 'Save to My Reviewers' button, and a 'Result Score'.

publons Search ABOUT BROWSE ACTIONS

TITLE
Lost for emotion words: What motor and limbic brain activity reveals about autism and semantic theory

AUTHORS
Andrew Harrison BJ Bennett Joe

ABSTRACT
Autism spectrum conditions (ASC) are characterised by deficits in understanding and expressing emotions and are frequently accompanied by alexithymia, a difficulty in understanding and expressing emotion words. Words are differentially represented in the brain according to their semantic category and these difficulties in ASC predict reduced activation to emotion-related words

Recommended Reviewers

Reviewer Name	Result Score	Reviews	Publications	Publons Merit	Last Reviewed
Andrew R. H. Preston	0.7	3	2	23	May 2013
Ged Ridgway	0.65	115	1	352	Nov 2009
Gene A. Bunin	0.63	0	0	15	

Tools for your editors

1. **Find** suitable reviewers
2. **Screen** candidate reviewers
3. **Contact** reviewers through confirmed email addresses
4. **Motivate** reviewers to perform the review

Screen Reviewers

This tool helps editors prevent against reviewer fraud. Here you can query the Publons database of verified reviewers and email addresses to get evidence that the reviewer is a) appropriately qualified and b) who they say they are.

Reviewer's publishing name
Andrew Preston

Email address
andrew@preston.co.nz

Andrew R. H. Preston (andrew@preston.co.nz)

REVIEWER



Andrew R. H. Preston

Andrew is the co-founder of Publons. He received his PhD in condensed matter physics from Victoria University of Wellington in 2010 and did his postdoctoral research in x-ray spectroscopy at Boston University....

AFFILIATIONS

PhD - School of Chemistry and Physical Sciences, Victoria University of Wellington, New Zealand



Publons

**Speeding up and
evaluating research**

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