



ACS Publications

MOST TRUSTED. MOST CITED. MOST READ.

The ACS Publications Journey to ORCID

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Agenda

1. **Fast Facts about the American Chemical Society**
2. **What Is ORCID?**
3. **Getting There**
(Stage 1, 2, 3, 4... Are We Done Yet?)
4. **Feedback and Lessons Learned**
5. **Questions**

Who is ACS?

- **World's largest scientific society**
- **Chartered by Congress in 1876**
- **Provides educational, science policy, and career programs in chemistry**
- **Publish 50+ journals as well as symposia-based books**
- **Journal portfolio distributed into 4 major disciplines within chemistry**

Fast Facts About ACS and ACS Publications

Mission: Improving people's lives through the transforming power of chemistry. [www.acs.org and pubs.acs.org]

- **1876:** Year ACS was chartered by Congress
- **~157,000:** Members in the world's largest scientific society
- **1978:** Employees working for ACS
- **50+:** Number of ACS peer-reviewed journals
- **~700,000:** Active users of ACS Paragon Plus
- **>140,000:** Manuscripts submitted for peer review in 2016
- **>40,000:** Number of peer-reviewed articles published ASAP in 2016

What Is ORCID?

- **ORCID** is an acronym, short for Open Researcher and Contributor ID.
- ORCID is a not-for-profit organization dedicated to solving the long-standing name ambiguity problem in scholarly communication by creating a central registry of unique identifiers for individual researchers and an open, transparent linking mechanism between ORCID and other current author identifier schemes.
- www.orcid.org
- One researcher, one ORCID iD.

Getting There: The Lead-Up

- In April 2014 ACS started collecting ORCID iDs from authors of manuscripts submitted for peer review. ORCID was “out there,” and anyone could see the value to a publisher of being able to tell one researcher from another.
- But, in 2014 ORCID was still evolving their standards and the functionality in our peer review system was not developed to accommodate ORCID standards.
- It was sort of the Wild West...
 - Third parties were creating and providing ORCID iDs for you—your coauthors, your institution, ACS editorial staff.
 - Duplicates being created. Mistakes being made.
 - Definitely contrary to the one researcher, one ID concept.

Getting There: The Re-Set

By the end of 2015, we decided on a course correction.

- ORCID had developed robust best practices.
- The functionality of our peer review system was finally consistent with ORCID best practices.
- We had 6000 validated ORCIDs but we had to set them to unvalidated because they were not properly tied to ACS credentials.
- Basically, we started planning again, with a view to the future.

Getting There: The Open Letter

In January 2016, ACS Executive Management learned about “The ORCID Open Letter.”

Requiring ORCID in Publication Workflows: Open Letter

Major publishers have committed to requiring ORCID iDs in the publishing process for their journals and invite other publishers to do the same.

In November, 2015, a group of publishers asked ORCID to help facilitate communications about their plans to require authors to use an ORCID iD, including hosting this open letter explaining their rationale, developing best practices for using iDs in publishing, and maintaining the signatory list. The publishers' goal is to encourage others to join them in supporting the adoption of ORCID. Publishers signing this open letter are committing to requiring ORCID iDs following specific implementation standards.

Why Require ORCID?

ORCID provides a digital name – or iD – that uniquely and persistently identifies researchers and contributors. By connecting this iD to different research activities and affiliations across multiple research information platforms, ORCID helps enable recognition and reduce reporting burdens for researchers. It also enhances the discovery process and lays the foundation for trust in a digital research environment. [Crossref's](#) recently launched Auto-Update functionality – which (with researcher permission) updates an author's ORCID record when the author uses their iD during the publishing process – further benefits researchers by alleviating the need to re-enter publication data in multiple systems. Importantly, it also provides an independent assertion of the connection between the author and their work.

With more than 3,000 journals already collecting ORCID iDs from corresponding authors, through all major manuscript submission systems, publishers are in a unique position to facilitate widespread adoption of ORCID. Indeed, researchers are most likely to encounter ORCID in publishing material about

Getting There: The Rules

Implementation Standards from ORCID

- **Require.** ORCID iDs are required for corresponding authors of published papers...
- **Collect.** The collection of ORCID iDs is done via the ORCID API (authenticated ORCID iDs), meaning that authors are not asked to type in or search for their iD...
- **Auto-update.** Publisher CrossRef DOI metadata is updated to include ORCID iDs for authors, so that CrossRef Auto-update can be implemented...
- **Publish.** Author/co-author ORCID iDs are embedded into article metadata, at least in online versions, and ideally in print versions of the publication...

Getting There: The Challenge

- We've been collecting ORCID iDs for 2 years.... Why aren't we signatories on The Open Letter?
- All hands on deck! Let's make this happen!

Getting There: Make What Happen?

We looked at our end-to-end process and asked questions:

- How would we show the ORCID iDs in our publications?
- How would that affect our production systems?
- How would that be handled by our delivery systems?
- Would this add a burden to our editorial staff?
- How would authors react?
- Would we all still have jobs at the end?

Getting There: A Little Closer

In June 2016

- Our ScholarOne Manuscripts partner gave us the ability to require an ORCID iD from the Submitting Author.
- At first, the ORCID iD was collected voluntarily (not required) from the Submitting Author during manuscript submission because of technical and other limitations.
 - The process was awkward.
 - We could not offer a benefit. Our only options were to inform, persuade, coerce.

Getting There: Processes and Best Practices

By early November 2016

- ACS Configuration team implemented the ability to accept and require ORCID iDs from Submitting Authors.
- Once that was done:
 - We could publish the ORCID iDs in articles on Web and in print.
 - Only the owner of an ORCID account can add or edit an ORCID iD. (No more co-author account creations.)
 - Editorial users no longer have the ability to add or edit ORCID iDs for authors. (Bonus: Less work for them!)

Getting There: Support

- **Hands-on Support.** Support staff received training in how to help users register and validate their ORCID accounts—and to “work around” issues if needed.
- **Account Validation.** A team of folks who assist authors in bringing manuscripts into compliance with journal guidelines began regularly reaching out to all authors on a manuscript to encourage ORCID account creation.
- **Email Templates.** Boilerplate language was added to email messages being sent to authors, explaining what an ORCID iD is and providing instructions on how to create one.

Getting There: Marketing

Several campaigns went out:

- Asked Editors-in-Chief and editorial boards to register for an ORCID iD and to encourage their colleagues, students, etc., to do the same.
- Asked EICs to write editorials to promote ORCID.
- Informed Authors of benefits of ORCID through our Web content and in each journal's Author Guidelines for Submission.
- Informed Librarians of the benefits of ORCID.
- Informed the general public of ACS activities with ORCID.

Getting There: Where We Are Now

1

* Agent Question

- Author** I, Dr. Royce Beta, am submitting this manuscript on behalf of myself and my co-authors.
- Submitting Agent** I, Dr. Royce Beta, am not an author on this manuscript. I am submitting this manuscript on behalf of an author.

Open Researcher and Contributor ID (ORCID) is a non-profit organization dedicated to solving the long-standing name ambiguity problem in scholarly communication by creating a central registry of unique identifiers for individual researchers and an open, transparent linking mechanism between ORCID and other current author identifier schemes. To learn more about ORCID, please visit <http://orcid.org/content/initiative>



Create an ORCID iD
Associate your existing ORCID iD



Getting There: Where We Are Now

2

ORCID

ACS 

has asked for the following access to your ORCID Record




Get your ORCID iD
Read your ORCID record
Add or update your research activities
Add or update your biographical information

- Allow this permission until I revoke it.
*You may revoke permissions on your account settings page.
Unchecking this box will grant permission this time only.*

This application will not be able to see your ORCID password, or other private info in your ORCID Record. [Privacy Policy](#).

Sign into ORCID or [Register now](#)

 Personal account

 Institutional account

Sign in with your ORCID account

Email or iD *

Email or iD

ORCID Password

ORCID Password

Deny

Authorize





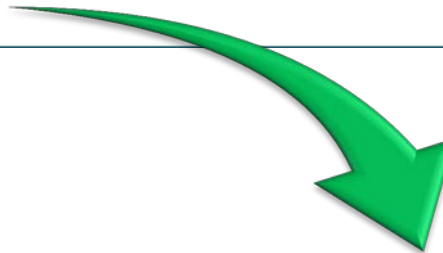
Getting There: Where We Are Now

3

Authors

* Selected Authors

	ORDER	ACTIONS	AUTHOR	INSTITUTION
 Drag	1	Select...	Dr. Royce BETA <i>(Corresponding Author)</i> roycebeta@test.com  0000-0003-4603-401X ✓	1. American Chemical Society 1155 16th St NW Washington, DC, USA 20036



Getting There: Where We Are Now

4

Atomic-Resolution Transmission Electron Microscopic Movies for Study of Organic Molecules, Assemblies, and Reactions: The First 10 Years of Development

Eiichi Nakamura* 

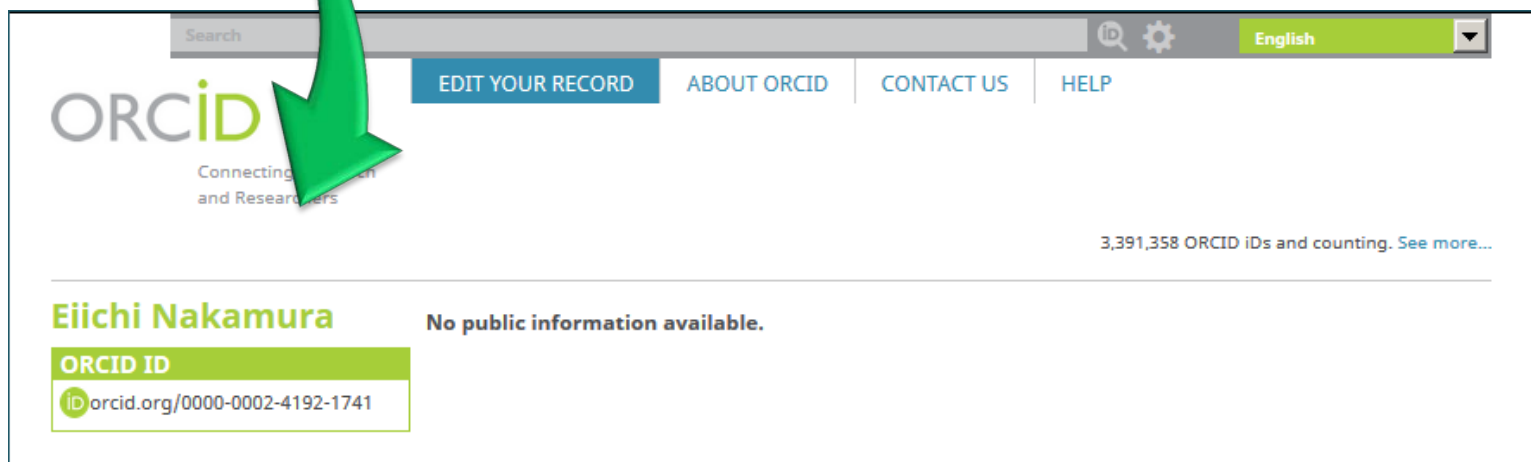
Department of Chemistry, The University of Tokyo, Bunkyo-ku, Tokyo 113-0033, Japan



Acc. Chem. Res., Article ASAP

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ORCID
Connecting Research and Researchers

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3,391,358 ORCID iDs and counting. [See more...](#)

Eiichi Nakamura No public information available.

ORCID ID
 orcid.org/0000-0002-4192-1741

Feedback and Lessons Learned

Lesson 1: Say what you mean.

Shortly after we implemented the “required” ORCID phase in November 2016, we received a request for help from an author who could not validate his ORCID iD and therefore could not submit his revision.

Our instructions:

“Authors submitting manuscript revisions are required to provide an ORCID iD.”

Our new, improved instructions:

“Authors submitting manuscript revisions are required to provide **their own** validated ORCID iDs... You can provide only your own ORCID iD, a unique researcher identifier.”

Feedback and Lessons Learned

Lesson 2: Authors liked it. They really liked it.

Once authors started seeing their ORCID iDs displayed in their proofs and then their articles, they got excited and wanted to do it retroactively!

- They especially wanted to do it in the Proof stage
- They also wanted to do it in past articles.
- Even though only the Submitting (Corresponding) Author is required to provide the ORCID iD, it's a good idea to encourage all authors to register.

Feedback and Lessons Learned

Lesson 3: The “Avalanche” Never Happened.

In mid-January of 2017, we asked our Support colleagues to provide a breakdown of help requests they'd received. It wasn't so bad:

- 16 – Submitting author needs help during revision submission
- 3 – Author requesting assistance with linking ORCID
- 2 – Request to update ORCID at the Proof stage because ORCID was wrong
- 2 – Users having trouble in the ORCID system
- 1 – Verification of ORCID validation
- 1 – Editor needing assistance
- 1 – Request to add ORCID for all authors at the Proof stage
- 1 – Confirmation of ORCID email vs Phishing attack
- 1 – General Inquiry on ORCID during submission
- 1 – Bypass of ORCID association

Feedback and Lessons Learned

**ORCID Validations November 1, 2016:
11,919**

**ORCID Validations to Date:
40,538**

Thank You!

Any Questions?



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