



ChemRxiv and ACS Journals: The Path to Allowing Preprints

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May 6, 2019



Deciding to launch ChemRxiv and taking our first look at preprints

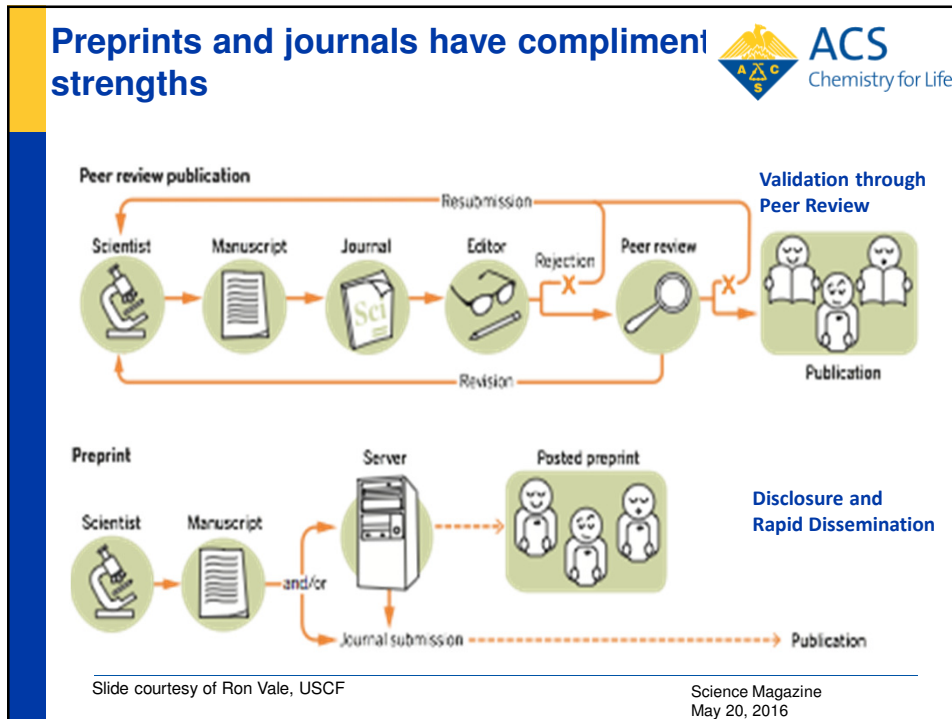


What is the value of (and need for)....

- ...a preprint server?
- ...a chemistry-specific preprint server?
- ...an ACS-organized chemistry preprint server?

And –**ACS Publications has 36 different preprint policies**

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What is the value of preprint servers?

- ✓ enable **broader feedback** than afforded by traditional peer review, **increasing the rigor** of the findings prior to or concurrent with peer review
- ✓ facilitate new connections (often broader, more diverse) between interested scientists, **improving collaboration** and **advancing scientific research**
- ✓ **decrease the time** to posting/sharing
- ✓ **increase transparency** to the communication cycle
- ✓ meet the needs of researchers seeking new grant funding or **interim reporting** by a quick and facile process for posting and making public key findings,
- ✓ **establish priority** for new discoveries, where community decides sufficient evidence exists
- ✓ **potentially increase impact** (“Early Advantage” for accumulating citations earlier)

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What is the value of a chemistry-specific preprint server?



All the values listed on the previous slide, and...

- ✓ Scientific communities often have **different needs**
- ✓ **Like attracts like**....communities of scientists are more likely to engage in discipline specific new initiatives
- ✓ Discipline specific approach best able to establish community norms, expectations
- ✓ **Yes to decreasing time.** Although ACS journals specifically and chemistry journals in general, have rapid times to publication, the overall time to publication an author experiences from first submission to final acceptance and publication can be lengthy.



Why?... Authors most often do not submit first to the journal they are eventually published in... thus the process of publication can be long even when an individual journal is fast

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Does a preprint server fit with ACS, with our core mission, values?



- ✓ world's largest scientific society
- ✓ one of the world's leading sources of authoritative scientific information
- ✓ established community-driven processes
- ✓ known for finding successful paths to meet the community's needs
- ✓ has an infrastructure that already represents local, national, global, and subject-specific interests




The ACS vision: *"Improving people's lives through the transforming power of chemistry"*
The ACS mission *"to advance the broader chemistry enterprise and its practitioners for the benefit of Earth and its people"*

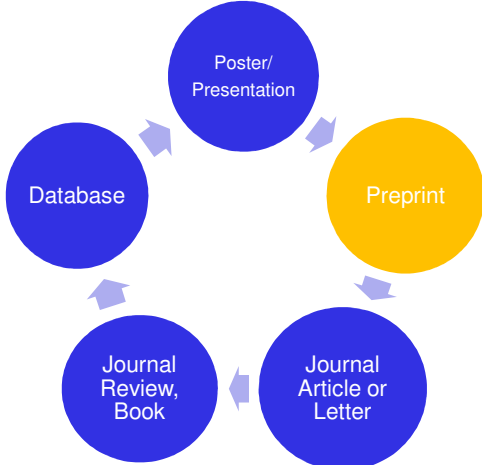
Goal #1 ACS Strategic Plan: *"to be the most authoritative, comprehensive, and indispensable provider of chemistry-related information and knowledge-based solutions"*

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Why ACS cares about preprints



ChemRxiv will help complete a more comprehensive and transparent cycle of communication for chemists – conference presentations, preprints, published articles, secondary databases and search tools.



ACS Proprietary and Confidential
American Chemical Society

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Why collaborative with other societies?








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ACS and preprint community engagement



Editors and editorial advisory boards

Other societies, publishers, potential partners

National Academy of Sciences

Topical ACS Divisions

Chemists – open door to anyone who is interested

Funding agencies

Other preprint servers and initiatives (ASAPbio).... wherever, whenever



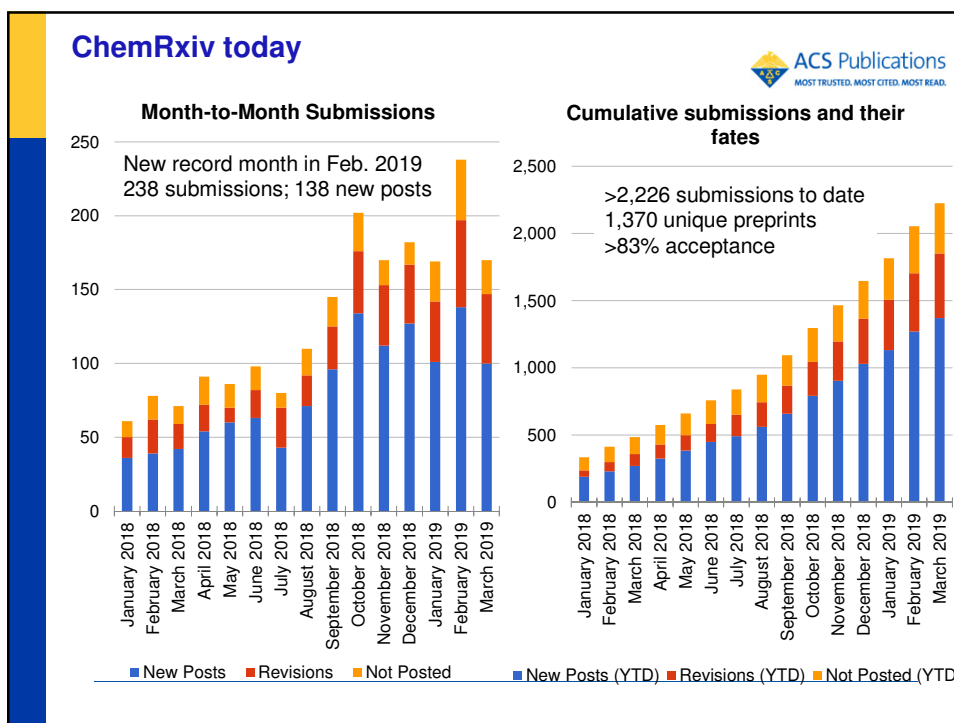
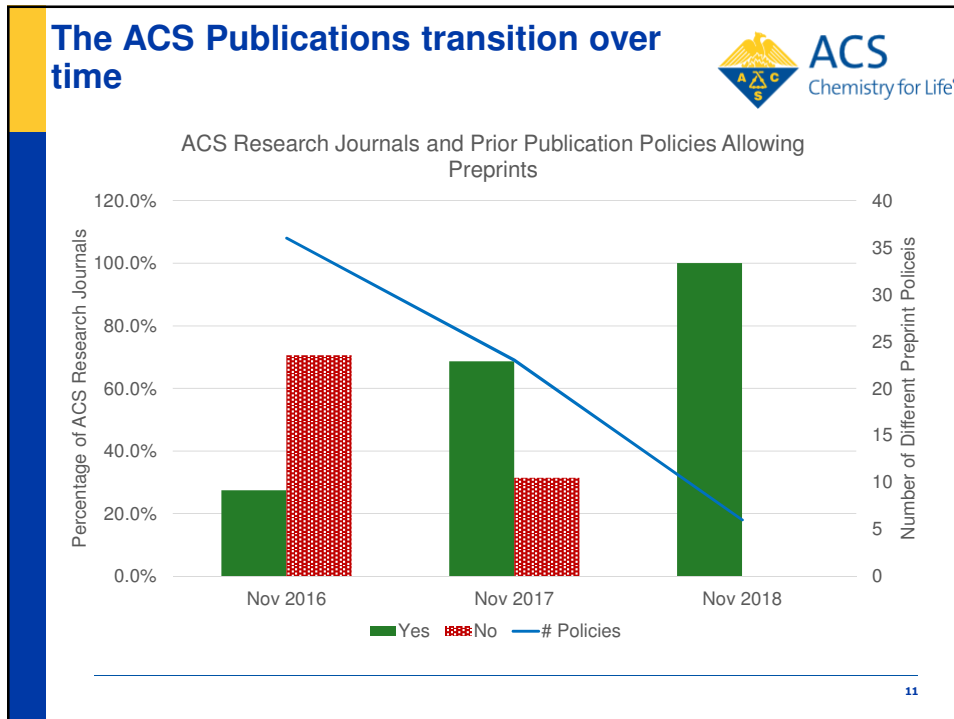
ACS Proprietary and Confidential
American Chemical Society

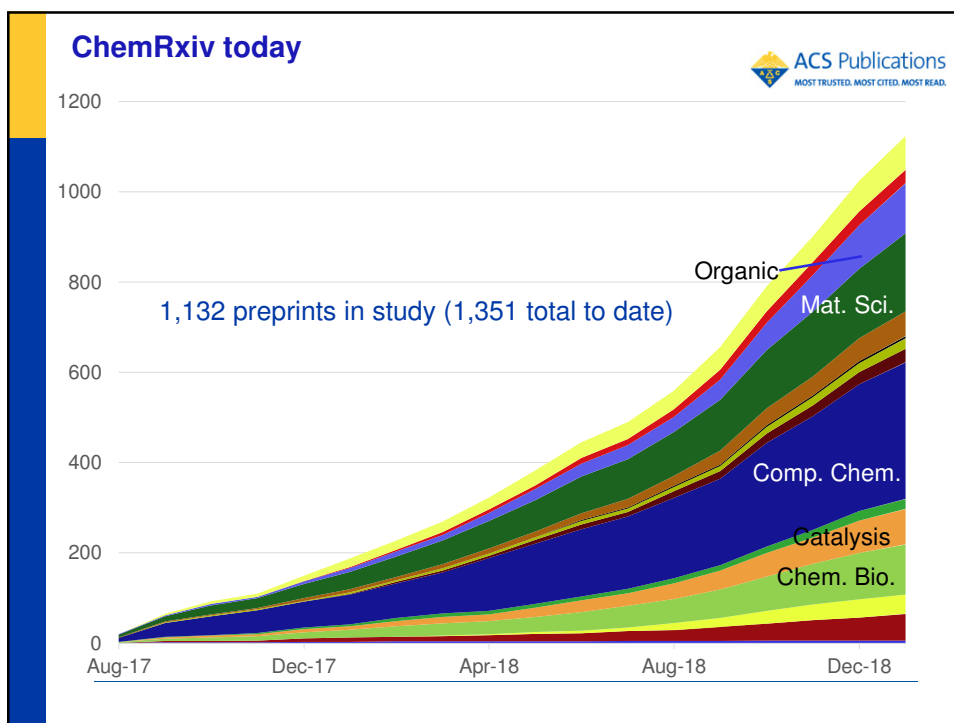
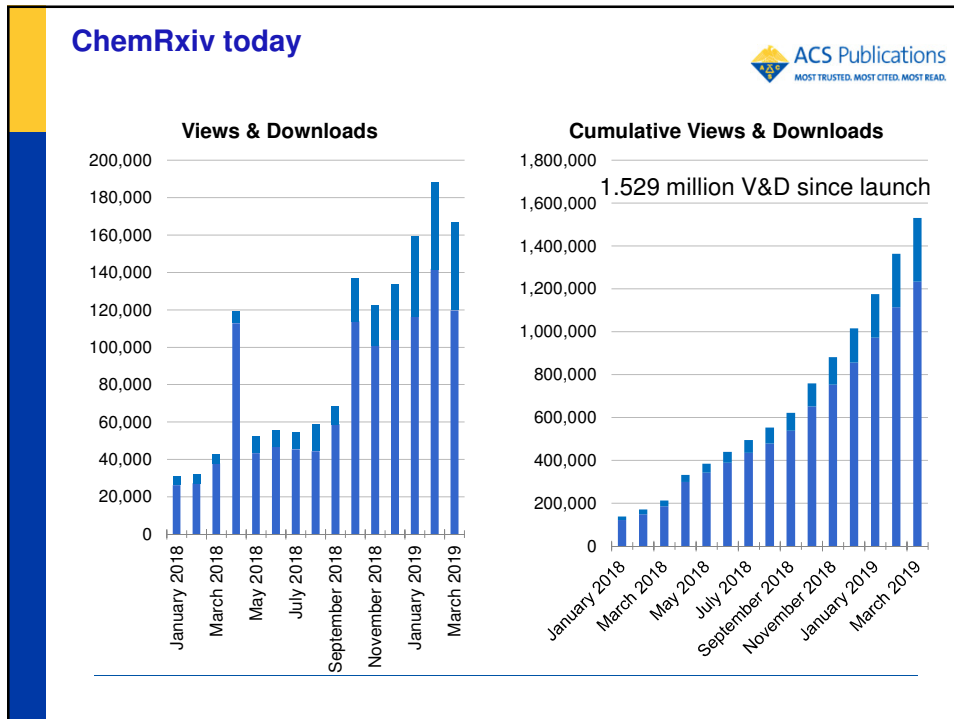
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ACS Publications processes are community driven




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Direct Journal Transfer

ACS Publications
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