



Improving research recognition and outcomes

What value could research organizations derive from an improved research recognition system and what would it look like in your organization?

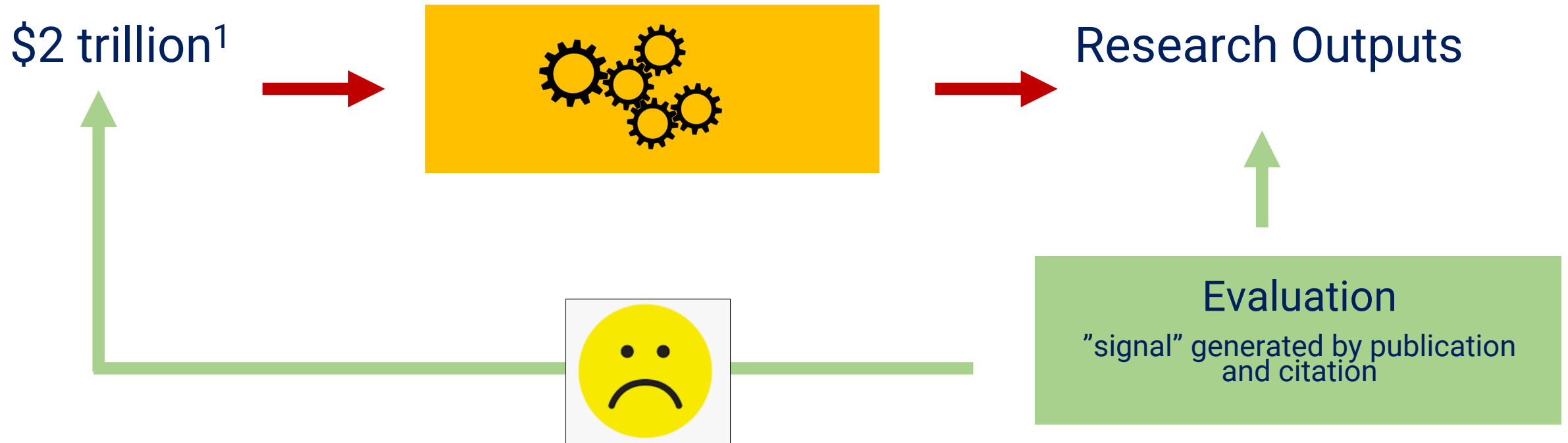
July 2020

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Annual Global Research Funding



1. <https://www.nsf.gov/statistics/2018/nsb20181/report/sections/research-and-development-u-s-trends-and-international-comparisons/cross-national-comparisons-of-r-d-performance>

Research Authorship Changes:

Review

Is authorship sufficient for today's collaborative research? A call for contributor roles

Nicole A. Vasilevsky , Mohammad Hosseini , Samantha Teplitzky , Violeta Ilik , Ehsan Mohammadi , Juliane Schneider ,
...show all

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 Download citation  <https://doi.org/10.1080/08989621>

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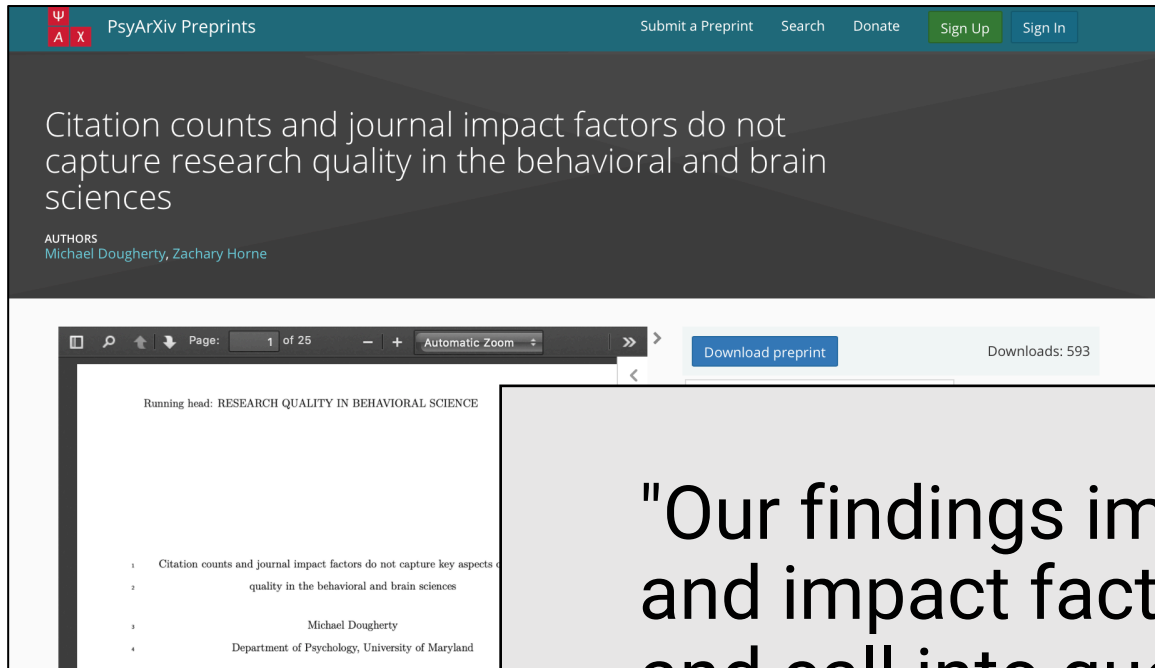
ABSTRACT

Assigning authorship and recognizing contributor roles is a complex task. This article discusses ethical, social, and technical challenges in assigning authorship and recognizing contributions to a scholarly work. Recent work in

“Adding contribution information to research objects has the potential to inspire innovation to help catalyze improved workflows in scholarly communication. More precise information on a researcher’s contributions to outputs allows the precise, standardized human-readable and machine-operable expressions of researchers’ contributions to be better represented...”

<https://www.tandfonline.com/doi/full/10.1080/08989621.2020.1779591>

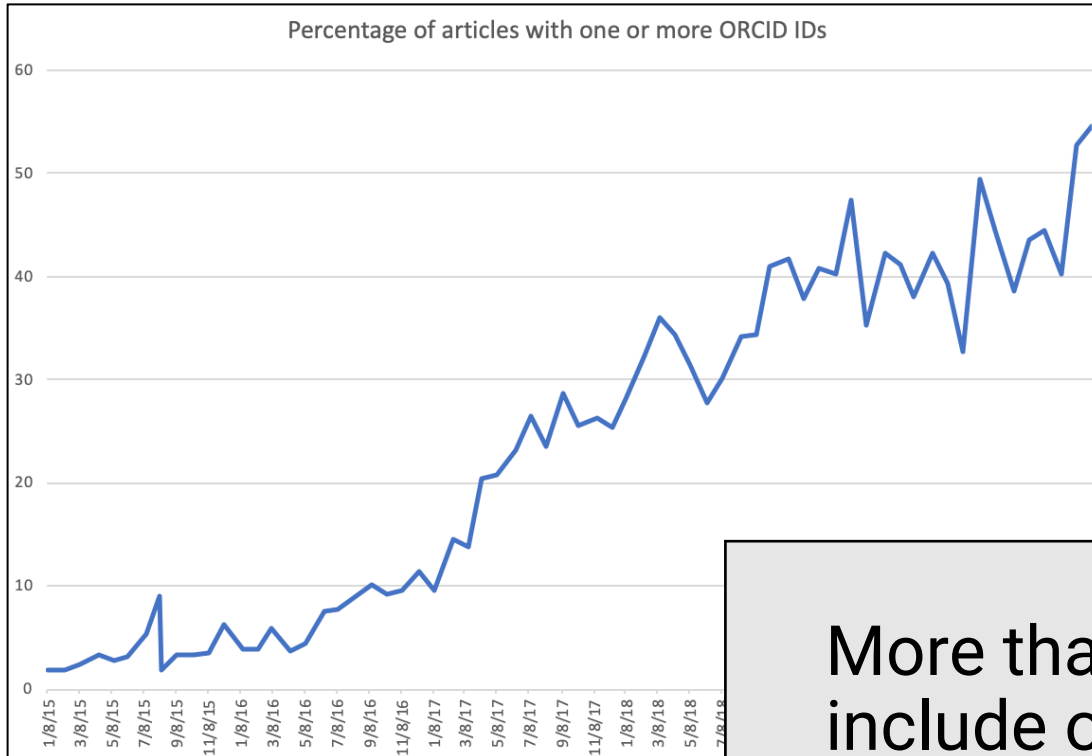
Research evaluation is changing:



"Our findings impugn the validity of citation data and impact factors as indices of research quality and call into question their usefulness in evaluating scientists and their research"

<https://psyarxiv.com/9g5wk/>

PID infrastructure is maturing:



More than 50% of new Crossref article DOIs include one or more ORCID IDs in metadata.

The number of daily ORCID IDs associated with manuscripts now typically exceeds 7,000.

<https://www.linkedin.com/pulse/who-uses-orcid-ids-anyway-richard-wynne/>

What would an improved research recognition system look like?

- Easy to use
- Open
- Transparent
- Fair/Democratic (not just gatekeeper controlled)
- Verifiable/Accountable
- Granular, standards-based
- Accurate signals for research funders
- Encourage/reinforce beneficial behaviors
- Interoperable at a technical level
- Persistent
- Difficult to “game”

Three Use Cases:

1. Recognition for non-publication contributions (e.g. mentoring, teaching, sharing negative results, preregistering hypothesis, positive public impact, etc.). Peer-to-peer and Institutional.
2. Granular publication-related contribution (CReditT).
3. Checklists – e.g. data sharing checklist.



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