

At-Risk Articles

Examining Open Infrastructures and Practices to Recover and Preserve the Scholarly Record

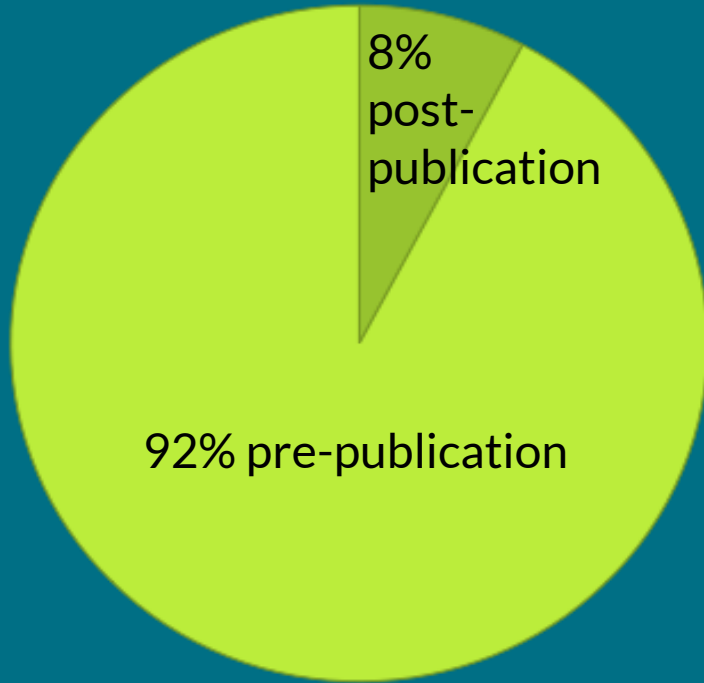
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what now?

In the literature



516 articles
published between 2010 and 2019
pre-publication n = 476
post-publication n = 40

research is at risk of
being lost

potentially valuable
research is at risk of
being lost

questionable peer review

“such journals do not provide the peer review that is the hallmark of [...] scholarly publishing”

(Laine & Winker in WAME*, 2017)

*World Association of Medical Editors

questionable peer review

four studies examine author perception

(Cobey et al 2018, Shaghaei et al 2018, Cohen et al 2019, McCutcheon et al 2016)

questionable peer review

four studies examine author perception

(Cobey et al 2018, Shaghaei et al 2018, Cohen et al 2019, McCutcheon et al 2016)

two studies performed post-publication peer review

(McCutcheon et al 2016, Oermann et al 2018)

questionable publishing practices

authors see their work “published” without consent, notice, fee payment, nor copyright agreement

(Bowman et al 2018, Chambers 2019, Harris 2018, Memon 2018, Witham & Runcie 2017)

research that has not
yet been validated

Options

consensus that authors should retract or withdraw papers

(Balehegen 2017, Dadkhah 2016, Fiala et al 2019, Harvey et al 2017, Memon 2018)

no consensus the article could be submitted to a new journal

(Dadkhah 2016, Harris 2018, COPE* n.d., WAME 2017, Bowman 2018)

no consensus whether to list on an academic CV

(Moher et al 2017, da Silva & Tsigaris 2018, Cappell 2015)

*Committee on Publication Ethics

preprint servers &
open peer review
as a solution?

copyright & publication ethics

copyright remains with author or CC licensed

WAME, COPE, & ICMJE* address duplicate publication as deception on the part of the author; transparency about the initial “publication” resolves this issue.

* International Committee of Medical Journal Editors

theory

vs.

practice

open peer review

“Open peer review is an umbrella term for a number of overlapping ways that peer review models can be adapted in line with the aims of Open Science”

(Ross-Hellauer 2017)

posting to preprint servers

nearly 60 preprint servers exist in life sciences

majority have commenting or annotation features

nearly all have a screening process

nearly all have preservation practices

post publication peer review

Pubpeer

ScienceOpen

could an author retract the article, acknowledge its prior “publication” by including a citation, and submit it for open peer review on a preprint server or post-publication peer review platform?

what now?

Thank you!

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