

SPRINGER NATURE

Introducing the white paper

There is a clear advantage in reach and impact for articles published full (Gold) OA in hybrid journals

60,567 articles published in

1,262 SN hybrid journals



https://doi.org/10.6084/ m9.figshare.16860229.v2

Setting the scene

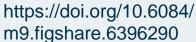
OA policies and mandates are increasing worldwide but some funding excludes hybrid journals



Why we commissioned this new study

It confirms previous analysis and extends to include subscription articles with earlier versions available







https://doi.org/10.5281/ zenodo.4143313

Methodology & limitations

Reach is measured with downloads and Altmetric attention, and impact is measured by citations







Definitions

Three access types for articles in hybrid journals were included in the analysis

Gold OA version of record (VOR) (Gold OA): Immediate access on publication to the final published VOR for all.

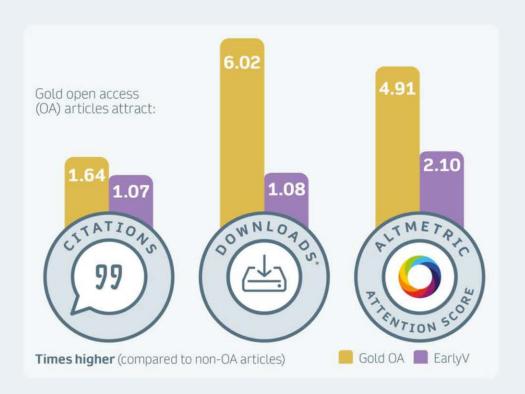
Subscription VOR with earlier version available in a repository (EarlyV): A self-archived copy of an earlier article version, such as the accepted manuscript or preprint, is available in a publicly accessible institutional or subject repository.

Subscription VOR without earlier version available (Non-OA): All other subscription articles, including those shared only on an academic social network or illegally elsewhere.

Key findings

Gold OA articles achieve greater reach and impact than subscription articles with earlier versions available

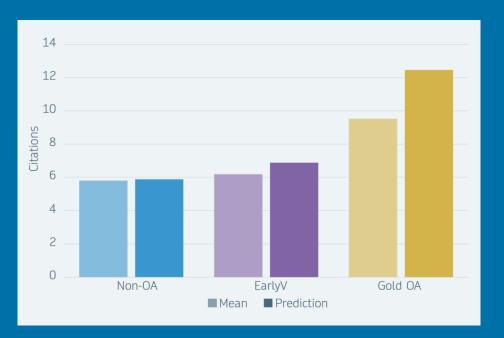
GOLD OPEN ACCESS ACHIEVES
GREATER REACH AND IMPACT



Citations

A Gold OA advantage can be seen for both the average and predicted citations

Average and predicted citations according to article type, showing the Gold OA citation advantage

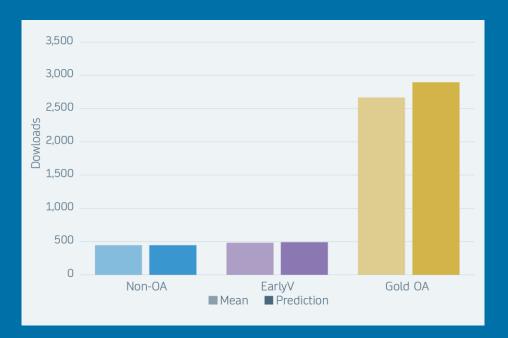




Downloads

Gold OA achieves greater reach with a significant advantage over non-OA

Average and predicted downloads according to article type, showing a distinct Gold OA download advantage





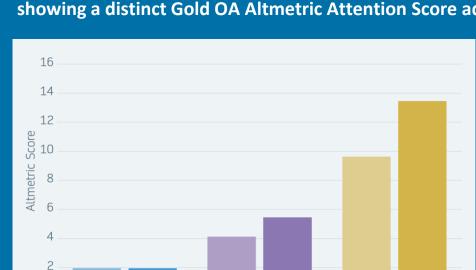
Attention

Gold OA achieves significantly more attention

Non-OA

Average and predicted Altmetric Attention Score according to article type, showing a distinct Gold OA Altmetric Attention Score advantage

Gold OA



EarlyV

Mean

■ Prediction



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Discipline variations

Differences by discipline are widely recognised in the prevalence of OA

6 largest categories (at least 3,900 articles each) = 59% of 60,567 articles



Medicine & Public Health



Engineering



Life Sciences



Chemistry



Mathematics



Materials Science

Discipline breakdown - citations

There is typically a citation advantage for Gold OA compared to other types



Access type	Life Sciences		Medicine & Public Health		Engineering		Mathematics		Chemistry		Materials Science	
	mean (%)	pred (%)	mean (%)	pred (%)	mean (%)	pred (%)	mean (%)	pred (%)	mean (%)	pred (%)	mean (%)	pred (%)
Non-OA	100	100	100	100	100	100	100	100	100	100	100	100
EarlyV	117	117	138	189	121	120	111	111	113	123	108	127
Gold OA	232	361	178	286	138	142	118	135	117	134	99	115

Discipline breakdown - downloads

Gold OA leads to more downloads but downloads from other servers are not included

Comparison of downloads across different disciplines

Access type	Life Sciences		Medicine & Public Health		Engineering		Mathematics		Chemistry		Materials Science	
	mean (%)	pred (%)	mean (%)	pred (%)	mean (%)	pred (%)	mean (%)	pred (%)	mean (%)	pred (%)	mean (%)	pred (%)
Non-OA	100	100	100	100	100	100	100	100	100	100	100	100
EarlyV	115	109	120	145	142	117	96	107	152	123	119	121
Gold OA	613	771	527	681	605	555	379	520	472	511	463	503

Discipline breakdown - attention

Typically there is a far larger Gold OA advantage for Altmetric attention



Comparison of Altmetric Attention Scores across different disciplines

Access type	Life Sciences		Medicine & Public Health		Engineering		Mathematics		Chemistry		Materials Science	
	mean (%)	pred (%)	mean (%)	pred (%)	mean (%)	pred (%)	mean (%)	pred (%)	mean (%)	pred (%)	mean (%)	pred (%)
Non-OA	100	100	100	100	100	100	100	100	100	100	100	100
EarlyV	173	217	265	388	261	349	419	266	423	357	291	395
Gold OA	394	730	357	633	430	575	660	427	397	412	470	538

Conclusion & recommendations

There is evidence of a stronger Gold OA advantage over subscription articles with an earlier article version

- Articles published via the Gold OA route in hybrid journals on average achieve greater reach and impact
- This is compared to both subscription articles with earlier versions available, and to non OA articles
- We believe that this presents a robust case for continued funding and investment from funders for full and immediate Gold OA articles in hybrid journals
- For Springer Nature authors who have selected the Gold OA publishing route, there is clear evidence that their work has benefitted from increased attention and reach.

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We believe investment in **Gold OA** should be a priority and is the only way to achieve **full**, **immediate** and **sustainable OA**.

Download the white paper and data

Share with your networks



Download the white paper 'Going for gold: exploring the reach and impact of Gold open access articles in hybrid journals': www.springernature.com/going-for-gold

#goingforgoldOA



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