APPENDIX 46. A: Open Access in Clarivate Analytics Products

Adding citation analysis for articles in OA Gold publications is the major change to JCR™ 2020. Web Of Science and InCites provide data for all types of OA **articles.** This appendix illustrates the type of OA information available in different CA products. It includes Table 46.A. 1., the top OA journals in JCR by JIF™ and by citable articles and Table 46.A.2. ranking the top journals from **Table 46.1.** using data from InCites. JCR does not cover Arts & Humanities Citation Index or Emerging Sources Citation Index. Table **46.A.3** lists those tops in citable articles and OA articles, extracted from WOS

Defining open access in Web of Science and Journal Citation Reports

Web of Science			JCR	
Gold	**DOAJ Gold**	Articles published in journals listed on the Directory of Open Access Journals (DOAJ).	**Gold OA**	In the JCR the "Gold OA" label shows papers published in a journal that are tagged as either "DOAJ Gold" or "Other Gold" in the Web of Science Core Collection over a period of 3 years – the data year of the JCR, and the two prior publication years.
	Other Gold	*Other Gold* open access articles are those identified as having a Creative Commons (CC) license by Our Research's Unpaywall Database but are not in journals listed on the DOAJ. Most of these articles are from hybrid journals. Hybrid open access journals are subscription journals that include some open access articles		
Bronze	The licensing for these articles is either unclear or identified by Our Research's Unpaywall Database as non-CC license articles. These are free-to-read or Public Access articles located on a publisher's site.		**Subscription and Free to Read**	Articles identified as "Bronze" in Web of Science are labelled "Free to Read" in the JCR. "Bronze" is a relatively recent term, used by *Our Research* to describe content that is free to read on the publisher site, but is not published under a Creative Commons license. Papers that are categorized as "Green Published" and "Green Accepted" in Web of Science, are often subject to an embargo after initial publication and available to subscribers only for that time; these are included in the "Subscription and free to read" group.
Green	**Green Published**	Final published versions of articles hosted on an institutional or subject-based repository (e.g. an article out of its embargo period posted to PubMed Central).		
	Green Accepted	Accepted manuscripts hosted on a repository. Content is peer reviewed and final, but may not have been through the publisher's copyediting or typesetting.		

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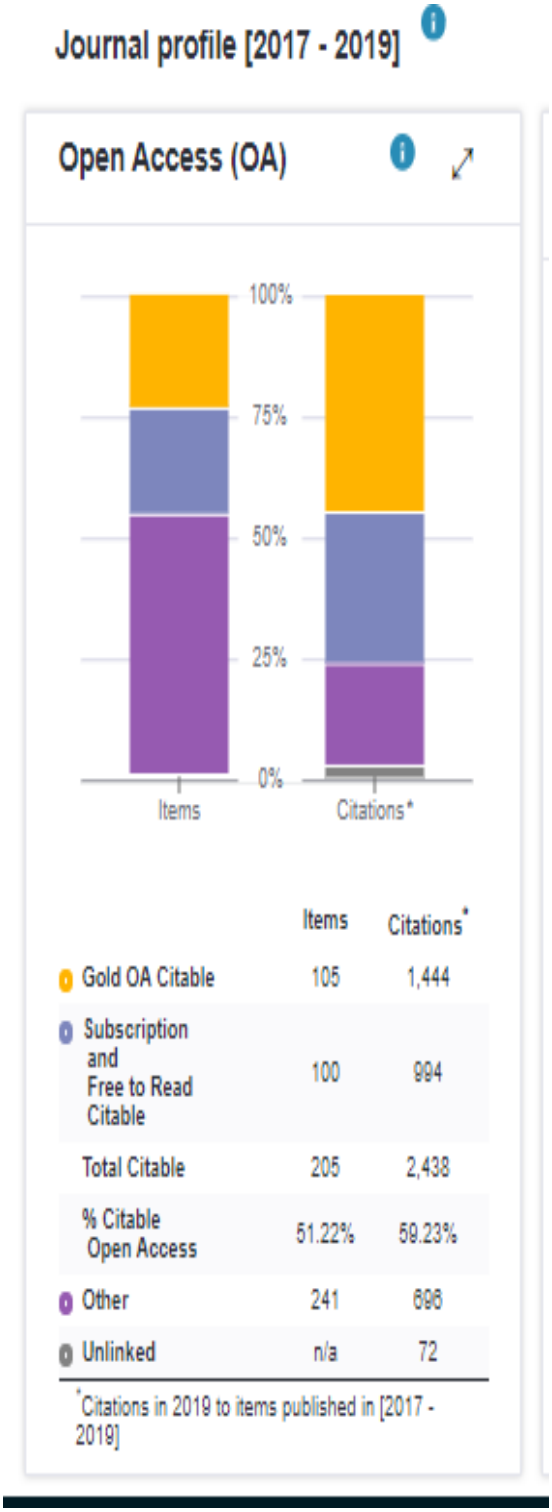
https://clarivate.com/webofsciencegroup/wp-content/uploads/sites/2/2020/04/OA-in-JCR-QRG-final.pdf

We use one Asia-Pac journal to differentiate the types of data available on JCR, WOS and InCites.

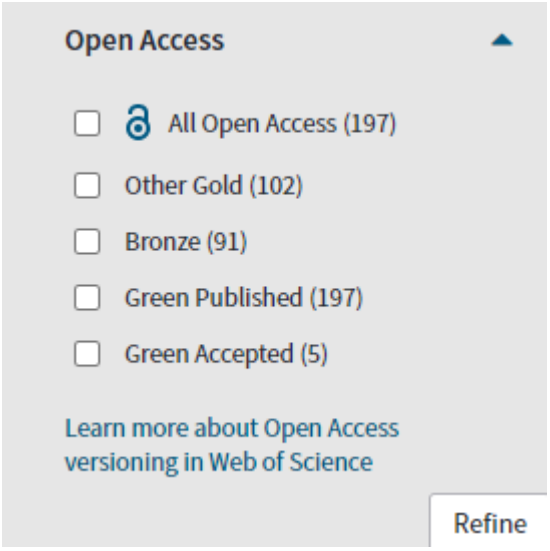
- **JCR**: Open access gold -Citations in 2019 for citable items published in 2017 – 2019
- **WOS**: Citable OA articles of all types; differentiate by type of OA; includes all full text articles available at the time of the search
- **Incite**s: Spreadsheet display covering all types of OA articles for all journals with citable items, with both number and percent.

Journal Citation Report



WOS Journal Profile (2017-2019)

2017- 2019 **2019**
Citable 204 **Citations 2584**
OA Citable 197 **Citations 2582**



Percent Citations for all OA citable articles in 2019: 99.99

To find all types of Open Access in WOS-

Scroll down to view all options

To find all OA versions of an individual article

Look for it on Google or

InCites Journals, Books, Conference Proceedings, using WOS Data

OA citable items from 2017-2018 that were cited in 2019 were extracted from WOS. InCites uses the same OA categories and data as WOS without the capability of matching to citations for a specific year and provides the data in a spreadsheet.

InCites OA data for citable items, articles and reviews, for 2017-2019

Web of Science Docs	Times Cited	All Open Access Docs	DOAJ Gold Docs	% Docs Cited	Other Gold Docs	Green Accepted Docs	Green Published Docs	Bronze Docs
195	6807	195	0	98.97	105	5	195	89

Exported date Oct 31, 2020.
InCites update 2020-10-29. IWeb of Science content indexed through 2020-09-30.

EXAMPLE: PLOS One Ranks over time

PLOS was a pioneer in Open Access and still leads in number of articles. Its performance in JIF however has dropped in the past 10 years.

Year	Total Articles	Citable articles	OA JIF Rank	JIF Rank
2019 – Total	**1**	**3**		**3815**
2019- OA	**3**	**3**	**587**	
2010 – Total	**1**	**1**		**711**
2010 -OA	**3**	**1**	**33**	

Journal Impact and Article Metrics

PLOS does not consider Impact Factor to be a reliable or useful metric to assess the performance of individual articles. PLOS supports DORA – the San Francisco Declaration on Research Assessment – and does not promote our journal Impact Factors. We will provide the metric to individuals when specifically requested.

https://journals.plos.org/plosone/s/journal-information#loc-journal-impact

JCR only identifies journals that are OA gold. The top journal by JIF is ranked 24 in JCR and the 10th is 193. The total number of citable items for these journals for 2017 and 2018 is 1054. The top ranked OA gold journal, based on citable items, is ranked 227. There are many Open Access articles in the top 20 JIF journals. Most are bronze and green. There is no guarantee that these articles will remain open and free to replicate in the future, they reflect the state of OA today. **Table 46.A 1.** lists the top 10 OA gold journals in JCR and the top 10 by citable items.

TABLE 46.A.1. Top 10 OA Journal in JCR by JIF and Citable Articles

	TOP OA Journals in 2020 Ranked by JIF	JIF Rank	TOP OA journals in 2020 JIF ranked by Citable articles	JIF Rank
1	Living Reviews in Relativity	24	Scientific Reports	1901
2	Lancet Global Health [1]	67	IEEE Access	2151
3	Living Reviews in Solar Physics	86	PLOS One	3815
4	Lancet Public Health [1]	129	Sustainability [1]	4190
5	Advanced Science	139	Intl J of Molecular Sciences	1449
6	Molecular Cancer	145	Sensors	2822
7	Journal of Extracellular Vesicles	149	Nature Communications [2]	227
8	Light-Science & Applications	180	Applied Sciences-Basel	4460
9	Journal of Statistical Software	184	Int J of Environmental Reseach and Public Health [1]	3544
10	Signal Transduction and Targeted Therapy	193	Energies	3896

OA Articles in Top 10	**1110**		**OA Articles in Top 10**	**75,654**
OA Citations in Top 10	**84,558**		**OA Citations in Top 10**	**1,378,587**

NOTES:

1- **Journal appears twice JCR list because it is in SCIE and SSCI**
2- **Nature Communications is in the top 20 in Google Metrics in Table 46.4.**

TABLE 46.A.2.: All OA Articles in Top 20 JCR Journals Ranked by OA articles with JIF rank

1	**Science**	**15**
2	**Nature**	**14**
3	**Cell**	**20**
4	**New England Journal of Medicine**	**2**
5	**JAMA- Journal of the American Medical Association**	**11**
6	**Lancet, The**	**5**
7	**Chemical Society Reviews**	**13**
8	**Chemical Reviews**	**9**
9	**Nature Materials**	**19**
10	**Reviews of Modern Physics**	**12**

TOTAL OA Articles (all types)	**4733**		**Total OA Citations**	**505,846**

Data in Table 46.A.2. from Incites, citable articles from 2017-2018, exported November 5, 2020.

TABLE 46.A.3: Metrics for Arts & Humanities and Emerging Sources publications 2019 based on most citable articles in 2019 in WOS

A&HCI and ESCI are not in JCR. They are listed in InCites and receive a CNCI, **Category Normalized Citation Index.** Almost 22,000 publications have a CNCI.

Citable Articles	ALL OA	All Gold	CNCI Rank	Open Access Gold	Country of Publisher
A&HCI					
Religions	**1**	**1**	**1364**	**DOAJ**	**Switzerland**
HTS Teologiese Theological Studies	**2**	**2**	7324	DOAJ	South Africa
Design Journal	**3**	**95**	7969		UK
Archaeological and Anthropological Sciences	**4**	**4**	1962		Germany
Heritage Science	**5**	**3**	482	DOAJ	UK
Historia Ciencias Saude Mangunhos	**9**	**5**	16035	DOAJ	Brazil
ESCI					
Cureus	**1**	**1**	17120	DOAJ	USA
Heliyon	**2**	**2**	10144	DOAJ	UK
Journal of Engineering (JoE)	**3**	**3**	17852	DOAJ	UK
SN Applied Sciences	**4**	**Started in 2019**	13915		Switzerland
Data in Brief	**5**	**4**	n/r	DOAJ	Netherlands
Microbiology Resource Announcements	**6**	**5**	16328		USA

RED – also in SSCI with JIF rank:
BOLD: Above average in CNCI Category
Selected from WOS, 2020/11 and CNCI from InCItes 2020/11/7

Users who do not have subscriptions to any CA products can use Master Journal List to identify journals that are in Arts & Humanities and Emerging Markets Citation Indexes. Open Access (DOAJ.org) information is provided in Master Journal List. Additional information is available on DOAJ and journal websites.

It will be interesting to see how all the articles on the Corona virus will impact the JIFs in 2021 and 2022 and the number of open access publications. Covid 19's current impact on publishing will be discussed in Part 2 of this article.