

Supplement tables

Table S1. Publication titles (publication years) and the numbers of total and OA documents of top 20 journals in the multidisciplinary science discipline between 2000 and 2021 and 2021.

Publication Titles (The year started being indexed in the database)	OA / Total 2000-21	OA% 2000-21	OA / Total 2021	OA% 2021
PLOS ONE (2006-)	249,766 / 249,932	99.9%	16,033 / 16,095	99.6%
SCIENTIFIC REPORTS (2011-)	145,003 / 145,039	100.0%	23,298 / 23,301	100.0%
PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA (1914-)	75,452 / 75,719	99.6%	3,557 / 3,800	93.6%
NATURE COMMUNICATIONS (2010-)	40,256 / 40,287	99.9%	6,912 / 6,919	99.9%
NATURE (1869-)	14,907 / 26,293	56.7%	805 / 1,292	62.3%
SCIENCE (1880-)	7,821 / 24,421	32.0%	536 / 1,000	53.6%
NEW SCIENTIST (1956-)	27 / 24,136	0.1%	4 / 798	0.5%
ANNALS OF THE NEW YORK ACADEMY OF SCIENCES (1823-)	1,748 / 14,290	12.2%	92 / 227	40.5%
CURRENT SCIENCE (1932-)	1,205 / 12,580	9.6%	343 / 422	81.3%
PEERJ (2013-)	12,535 / 12,578	99.7%	2,086 / 2,090	99.8%
JOVE JOURNAL OF VISUALIZED EXPERIMENTS (2006-)	8,749 / 10,905	80.2%	392 / 1,049	37.4%
CHINESE SCIENCE BULLETIN (1950-)	1,896 / 8,344	22.7%	283 / 394	71.8%
HELIYON (2015-)	8,102 / 8,139	99.5%	2,707 / 2,725	99.3%
ADVANCED SCIENCE LETTERS (2008-2019)	317 / 8,135	3.9%	0 / 0	0.0%
SCIENCE ADVANCES (2015-)	7,701 / 7,728	99.7%	1,969 / 1,994	98.7%
SYMMETRY BASEL (2009-)	7,614 / 7,623	99.9%	2,418 / 2,425	99.7%
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING (1975-)	244 / 7,040	3.5%	87 / 1,487	5.9%
DATA IN BRIEF (2014-)	6,348 / 6,359	99.8%	1,033 / 1,035	99.8%
INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS (1991-)	970 / 5,763	16.8%	42 / 303	13.9%
SCIENTIFIC WORLD JOURNAL (2012-2014)	5,691 / 5,692	100.0%	0 / 0	0.0%
Others	89,953 / 168,111	53.5%	15,968 / 21,327	74.9%
Sum	686,485 / 869,114	79.0%	78,565 / 88,683	88.6%

The titles of nine recently founded OA journals are shadowed in green.