Table S1. Global journal number estimates, checked in November 2020

Scope of definition of journal	Number reported and source
Scholarly journals	104,081 (Elektronische Zeitschriftenbank)
	48,970 (Microsoft Academic)
	47,116 (MIAR)
	38,589 (Scopus)
Active scholarly journals	56,689 (Scilit, Crossref based)
	35,616 (Journal TOCs)
	34,779 (EBSCO host)
	30,187 (Microsoft Academic)
	25,017 (ERA journal list)
	24,184 (Scopus)
	21,420 (Web of Science)
Active scholarly journals, open access, not all guaranteed peer reviewed	37,333 (ROAD)
	17,537 (Journal TOCs)
	16,158 (Scilit, Crossref based)
	13,822 (Ullrichs)
Active scholarly journal, open access, peer reviewed	15,581 (DOAJ)
	6,299 (Scopus)
	4,762 (Web of Science)

Numbers are as reported at the moment of checking and not for a particular year, except for Scilit where the numbers refer to 2019.

Table S2. Open access models of DOAJ-listed journals covered in ROAD and not covered in ROAD

DOAJ in ISSN-Gold 4.0	Found in DOAJ in September 2020	APC	Non-APC	APC (%)	Non-APC (%)
14,527	14,024	3,829	10,194	27	73

DOAJ, Directory of Open Access Journals; APC, article processing charge.
Sources: DOAJ, Bruns et al. [1].

Table S3. OA journals by size and business model

Annual articles	OA diamond		APC-based		DOAJ total	
	Journals	Percent (%)	Journals	Percent (%)	Journals	Percent (%)
0–4	243	2.3	72	1.8	315	2.2
5–9	901	8.6	234	6.0	1,135	7.9
10–24	4,536	43.4	1,002	25.6	5,538	38.5
25–49	3,172	30.4	1,012	25.8	4,184	29.1
50–99	1,232	11.8	761	19.4	1,993	13.9
100–499	343	3.3	705	18	1,048	7.3
500+	22	0.2	133	3.4	155	1.1
Grand total	10,449	100	3,919	100	14,368	100

OA, open access; APC, article processing charge; DOAJ, Directory of Open Access Journals.
Sources: DOAJ and Crawford's Gold Open Access (5).