

Table DISC-12. S&E publications in all fields for the 15 largest producing regions, countries, or economies: 2013 and 2023

(Number and percent)

Rank	Region, country, or economy	2013	2023	2023 world total (%)
na	World	2,129,076	3,275,079	na
1	China	351,526	932,712	28.48
2	United States	427,373	430,843	13.16
3	India	80,195	228,174	6.97
4	Germany	104,396	108,782	3.32
5	United Kingdom	98,613	97,536	2.98
6	Japan	106,968	96,543	2.95
7	Russia	38,167	85,558	2.61
8	Italy	66,221	82,771	2.53
9	South Korea	56,751	71,724	2.19
10	Canada	59,396	63,720	1.95
11	France	71,475	62,180	1.90
12	Spain	53,215	60,304	1.84
13	Brazil	45,991	58,292	1.78
14	Iran	31,025	55,085	1.68
15	Australia	50,403	54,589	1.67

na = not applicable.

Note(s):

The countries or economies are ranked based on the 2023 total. Article counts refer to publications from conference proceedings and peer-reviewed journal articles in S&E and indexed in Scopus (see "Technical Appendix" for more details). Articles are classified by their year of publication and are assigned to a region, country, or economy on the basis of the institutional address(es) of the author(s) listed in the article. Articles are credited on a fractional-count basis (i.e., for articles from multiple regions, countries, or economies, each country, region, or economy receives fractional credit on the basis of the proportion of its participating authors). Detail may not add to total because of regions, countries, or economies that are not shown. Proportions are based on the world total excluding unclassified addresses (data not presented). Data were extracted in February 2025. See Table SDISC-5 for groupings of regions, countries, or economies. Data by all regions, countries, and economies are available in Table SDISC-6.

Source(s):

National Center for Science and Engineering Statistics; Science-Metrix; Elsevier, Scopus abstract and citation database, accessed February 2025.

Science and Engineering Indicators