

Ranking of Comprehensive Data Impact Score (CDIS) of the Journal Partners (2018–2022)

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The academic papers published in the journals and the original scientific data associated with academic papers are important achievements of scientific research. On December 18, 2015, the editorial office of *Acta Geographica Sinica*, and that of Global Change Scientific Research Data Publishing & Repository (GCdataPR) launched a joint announcement on the Pilot publication of datasets associated with journal papers. On March 10, 2016, the editorial office of GCdataPR and the Editing and Publishing Committee of the Geographical Society of China jointly hosted a seminar on the Demonstration of data publishing and sharing of journal papers in the field of global change and geoscience. Representatives from 35 academic journals, which were sponsored by the Geographical Society of China, China Society of Natural Resources, China Meteorological Society, Botanical Society of China, Chinese Geophysical Society, Chinese Society for Oceanology and Limnology, Soil Science Society of China, Ecological Society of China, and the local, ministerial and university organizations, signed the Joint proposal for publishing and sharing original data associated with academic journal papers in the field of global change and geoscience. *Digital Journal of Global Change Data Repository* (bilingual) was officially launched in 2020. Based on the Regulations on Publication Management and the Management of Scientific Data, the journal focuses on publishing scientific dataset by peer reviewed and digitization. It has been listed as a high starting Journal of the “Excellence Journal Program”. On November 17, 2022, the General Office of the Chinese Association for Science, the General Office of the Chinese Academy of Sciences, issued the “Notice on Organizing the Collection of Dataset Associated with Journal Papers”, bringing the scientific data into the national data management system.

In order to calculate the comprehensive impact score of journals, based on the comprehensive data influence score (CDIS) of scientific dataset, the CDIS and ranking of original datasets associated with journal papers published in 59 academic journals from 2018 to 2022 are obtained (except *Journal of Global change Data & Discovery* and *Annual Report on Global Ecological Environment Remote Sensing Monitoring*). It is divided into the first 5% as Q1 section (3 journals), the next top 15% as Q2 section (9 journals), the next top 30% as Q3 section (17 journals), and the remaining 50% as Q4 section (30 journals). The CDIS and ranking of the datasets associated with journal papers from 2018 to 2022 are listed as follows (Table 1).

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Table 1 The statistics of CDIS and ranking of the journals from 2018 to 2022

No.	Q section	Journal	CDIS of the journals
1	Q1	Acta Ecologica Sinica (Chinese Edition)	208.25
2	Q1	Acta Geographica Sinica	198.45
3	Q1	Geographical Research	197.50
4	Q2	Journal of Geo-Information Science	133.38
5	Q2	Journal of Natural Resources	126.81
6	Q2	Chinese Geographical Science	125.28
7	Q2	Resources Science	122.51
8	Q2	Remote Sensing	72.46
9	Q2	Progress in Geography	71.71
10	Q2	Chinese Journal of Geophysics	58.11
11	Q2	Journal of Lake Sciences	56.00
12	Q2	Chinese Journal of Plant Ecology	48.71
13	Q3	Journal of Geographical Sciences	48.42
14	Q3	Journal of Remote Sensing	46.64
15	Q3	Tropical Geography	44.63
16	Q3	Progress in Geophysics	40.87
17	Q3	Acta Meteorologica Sinica	39.44
18	Q3	Journal of Hydrology	34.67
19	Q3	Chinese Journal of Polar Research	29.44
20	Q3	Chinese Science Bulletin	28.45
21	Q3	Arid Zone Research	25.29
22	Q3	Marine Sciences	25.17
23	Q3	Earth System Science Data	24.67
24	Q3	Chinese Journal of Atmospheric Sciences	24.00
25	Q3	Earth System Dynamics	24.00
26	Q3	Journal of Palaeogeography (Chinese Edition)	22.00
27	Q3	Journal of Selected Topics in Applied Earth Observations and Remote Sensing	21.78
28	Q3	Remote Sensing Technology and Application	21.53
29	Q3	Journal of Arid Land Resources and Environment	21.42
30	Q4	Journal of Applied Remote Sensing	21.00
31	Q4	Journal of Meteorology and Environment	20.86
32	Q4	Proceedings of the first China Digital Earth Conference	19.16
33	Q4	Atmospheric Chemistry and Physics Discussion	18.13
34	Q4	Remote Sensing of Environment	17.70

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No.	Q section	Journal	CDIS of the journals
35	Q4	Geomorphology	17.48
36	Q4	Fresenius Environmental Bulletin	17.14
37	Q4	Journal of Jilin University (Earth Science Edition)	13.33
38	Q4	Research of Soil and Water Conservation	12.10
39	Q4	Acta Prataculturae Sinica	12.00
40	Q4	Marine Pollution Bulletin	12.00
41	Q4	Journal of Geophysical Research: Atmospheres	12.00
42	Q4	Earth and Space Science	12.00
43	Q4	Climatic Change	12.00
44	Q4	Chinese Journal of Applied Ecology	10.43
45	Q4	Foreign Medical Sciences (Section of Medgeography)	10.43
46	Q4	Arid Land Geography	10.43
47	Q4	Terrestrial Atmospheric and Oceanic Sciences	10.00
48	Q4	Science of the Total Environment	9.42
49	Q4	Ecological Indicators	9.42
50	Q4	Geophysical Research Letters	9.10
51	Q4	Mountain Research	9.00
52	Q4	Acta Geodaetica et Cartographica Sinica	9.00
53	Q4	Sustainability	9.00
54	Q4	International Journal of Climatology	9.00
55	Q4	IEEE Access	9.00
56	Q4	Biogeosciences	9.00
57	Q4	Climatic and Environmental Research	6.81
58	Q4	Journal of Yunnan University (Natural Sciences Edition)	5.71
59	Q4	Chinese Geographical Science	5.00