

**Suppl. 1.** Definition of metrics used in this study.

1. The journal impact factor (JIF) is a journal-level metric calculated from data indexed in the Web of Science Core Collection and is the average number of articles in a journal published in the past 2 years that have been cited in the Journal Citation Reports (JCR) year. The JIF is calculated by dividing the number of citations in a JCR year by the total number of papers published in the previous 2 years.
2. The 5-year JIF is the average number of journal articles published in the last 5 years cited in the JCR year. The 5-year JIF was calculated by dividing the number of citations in the JCR year by the total number of papers published in the preceding 5 years.
3. The Journal Citation Indicator (JCI) is the average Category Normalized Citation Impact (CNCI) of citable items (articles and reviews) published by a journal in the last three years. The average JCI for each category is 1. Journals with a JCI of 1.5 have a 50% greater citation impact than the average for their category.
4. The Eigenfactor score reflects the density of the citation network around a journal, using 5 years of citation content cited in the current year. Because both citation counts and cited sources are considered, highly cited sources have a greater impact on the network than less cited sources. The Eigenfactor calculation did not include self-citations.
5. The Article Influence Score normalizes the Eigenfactor score according to the cumulative size of journals cited in the previous 5 years. The average influence score for each article is 1.00. A score greater than 1.00 indicates that each article in the journal has an above-average impact.
6. The Immediacy Index is the number of citations in the current year for journals referencing content from the same year. Journals with consistently high immediacy indices generate quick citations.
7. Gold open access (OA) refers to articles tagged as Directory of Open Access Journal (DOAJ) gold or other gold in the Web of Science Core Collection. Gold OA summarizes entries published in journals for 3 years, i.e., the JCR data year and the previous 2 years.