

World Journal of *Clinical Cases*

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The primary aim of *World Journal of Clinical Cases* (WJCC, *World J Clin Cases*) is to provide scholars and readers from various fields of clinical medicine with a platform to publish high-quality clinical research articles and communicate their research findings online.

WJCC mainly publishes articles reporting research results and findings obtained in the field of clinical medicine and covering a wide range of topics, including case control studies, retrospective cohort studies, retrospective studies, clinical trials studies, observational studies, prospective studies, randomized controlled trials, randomized clinical trials, systematic reviews, meta-analysis, and case reports.

INDEXING/ABSTRACTING

The WJCC is now abstracted and indexed in Science Citation Index Expanded (SCIE, also known as SciSearch®), Journal Citation Reports/Science Edition, Current Contents®/Clinical Medicine, PubMed, PubMed Central, Scopus, Reference Citation Analysis, China National Knowledge Infrastructure, China Science and Technology Journal Database, and Superstar Journals Database. The 2022 Edition of Journal Citation Reports® cites the 2021 impact factor (IF) for WJCC as 1.534; IF without journal self cites: 1.491; 5-year IF: 1.599; Journal Citation Indicator: 0.28; Ranking: 135 among 172 journals in medicine, general and internal; and Quartile category: Q4. The WJCC's CiteScore for 2021 is 1.2 and Scopus CiteScore rank 2021: General Medicine is 443/826.

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Baishideng's Reference Citation Analysis database announces the first Article Influence Index of multidisciplinary scholars

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Abstract

After three rounds of rigorous evaluation of registered scholars conducted by the *Reference Citation Analysis* (RCA) editorial team of Baishideng Publishing Group (Baishideng), the RCA database of Baishideng officially released the 2022 *Article Influence Index* (2022 *AII*) of 632 scholars from 74 countries/territories in 98 research categories, for the first time. The list of 632 scholars can be found at: <https://www.referencecitationanalysis.com/searchscholar>. Among them, the highest 2022 *AII* is 348.211, the highest number of total citations is 42830, and the highest number of total articles is 901. The category with the largest number of RCA scholars is Gastroenterology & Hepatology, with a total of 100 (15.8%), and the second is Surgery, with a total of 46 (7.3%). This article summarizes the RCA scholars and describes the mission of RCA, the openness and transparency of RCA evaluation, the calculation method for the 2022 *AII*, and the evaluation process of RCA scholars. The RCA scholar list will effectively serve as a useful Find-a-Scholar tool. Any interested scholar is welcome to register and join this RCA scholar list.

Key Words: *Reference Citation Analysis*; *Article Influence Index*; Scholar list; Find a scholar; Announcement

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Core Tip: The *Reference Citation Analysis (RCA)* database of Baishideng Publishing Group officially released the 2022 *Article Influence Index (2022 AII)* of 632 scholars from 74 countries/territories in 98 research categories, for the first time. This article summarizes the *RCA* scholars and describes the mission of *RCA*, the openness and transparency of *RCA* evaluation, the calculation method for the 2022 *AII*, and the evaluation process of *RCA* scholars. The *RCA* scholar list will effectively serve as a useful Find-a-Scholar tool. Any interested scholar is welcome to register and join this *RCA* scholar list.

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INTRODUCTION

We are very pleased to announce that the *Reference Citation Analysis (RCA)* database[1] of Baishideng Publishing Group (Baishideng) has, for the first time, officially released the 2022 *Article Influence Index (2022 AII)* of 632 scholars from 74 countries/territories in 98 research categories, for the first time. The list of 632 scholars can be found at: <https://www.referencecitationanalysis.com/searchscholar>.

RCA is an AI technology-based open multidisciplinary citation analysis database. As such, *RCA* will lead the development of wisdom, knowledge innovation, and emerging disciplines. The functions of *RCA* include: Find an Article (55334324), Find a Category (254), Find a Journal (14077), Find a Scholar (632), and Find an Academic Assistant (18) (Data collection: August 15, 2022). *RCA* updates its list of journals daily, according to relevant data including total number of articles, total citations, and 2022 *Journal Article Influence Index (2022 JAI)*. *RCA* acquires the newly released abstracts and references from Crossref and adds them to the *RCA* database weekly. *RCA* also acquires the abstracts and references released that year from Crossref and adds them to the *RCA* database monthly, and then updates the total number of articles, citations, and 2022 *JAI*[2]. Herein, we summarize the *RCA* scholars, describe the mission of *RCA* and the openness and transparency of *RCA* evaluation, and introduce the calculation method for the 2022 *AII* and the evaluation process of *RCA* scholars.

SUMMARY OF RCA SCHOLARS

We sent invitation letters to scholars of various research categories around the world through the F6Publishing highly influential scientists database. As of August 15, 2022, a total of 1228 scholars have registered in the *RCA*. After three rounds of rigorous evaluation by the *RCA* editorial team, 632 (51.5%) scholars were approved for inclusion in the *RCA* scholar list. These 632 *RCA* scholars are from 74 countries/territories, and are distributed in 98 research categories, including 90 (14.2%) from China, 63 (10.0%) from Italy, 59 (9.3%) from India, 43 (6.8%) from Egypt, 32 (5.1%) from the United States, 30 (4.7%) from Turkey, and 25 (4.0%) from Spain (Figure 1). The category with the largest number of *RCA* scholars is Gastroenterology & Hepatology, with a total of 100 (15.8%) scholars, and the second is Surgery, with a total of 46 (7.3%) scholars, followed by Biochemistry & Molecular Biology with 31 (4.9%) scholars and Oncology with 31 (4.9%) scholars (Figure 2).

Top 3 RCA scholars ranked by total articles, total citations, and 2022 AII

Among the 632 *RCA* scholars, the scholar with the largest number of total articles is Giuseppe Biondi-Zoccai, Associate Professor (*RCA* ID: 00000973) from Italy, who has published a total of 901 articles (Table 1). The scholar with the largest number of total citations is Kamarul Imran Musa, Associate Professor (*RCA* ID: 00000942) from Malaysia, with 42830 citations (Table 2), and has the highest 2022 *AII*, which is 348.211 (Table 3).

Top 3 RCA scholars in the field of Gastroenterology & Hepatology ranked by total articles, total citations, and 2022 AII

Among the 100 *RCA* scholars in the field of Gastroenterology & Hepatology, the scholar with the largest number of total articles is Kamran B Lankarani, Professor (*RCA* ID: 00001172) from Iran, who has published a total of 392 articles (Table 4). The scholar with the largest number of total citations is Andrzej S Tarnawski, Professor (*RCA* ID: 00000002) from the United States, with 8764 citations (Table 5). The scholar with the highest 2022 *AII* is Paul Henderson, Senior Lecturer (*RCA* ID: 00000799) from the United Kingdom, and his 2022 *AII* is 89.661 (Table 6).

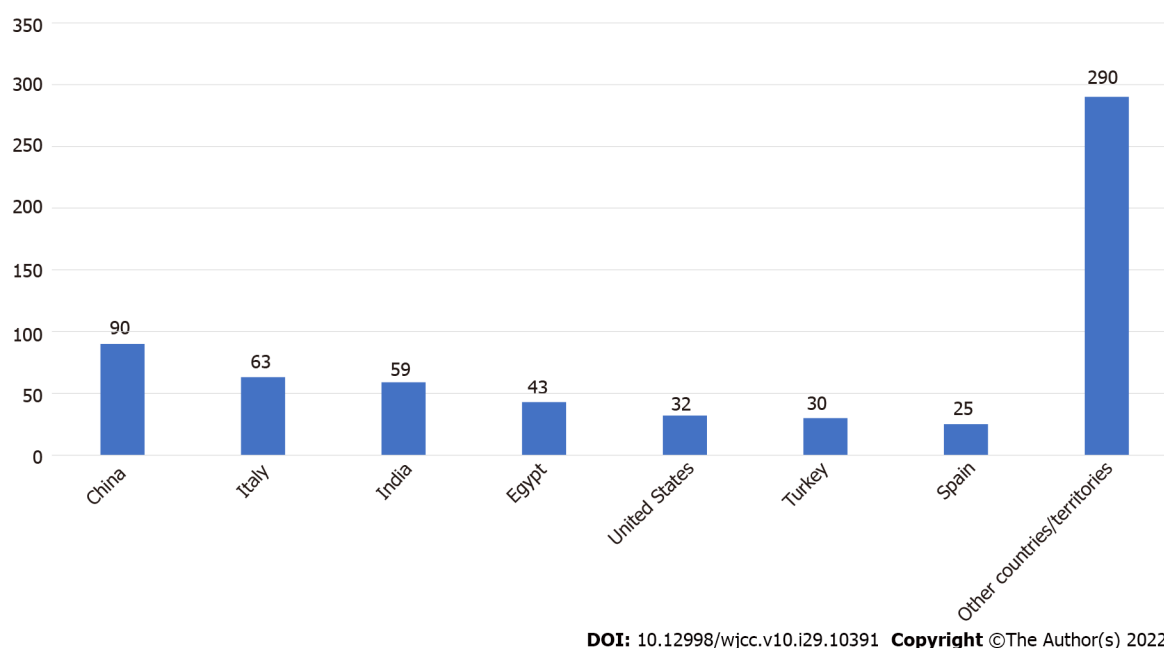


Figure 1 Country sources and number of *Reference Citation Analysis* scholars.

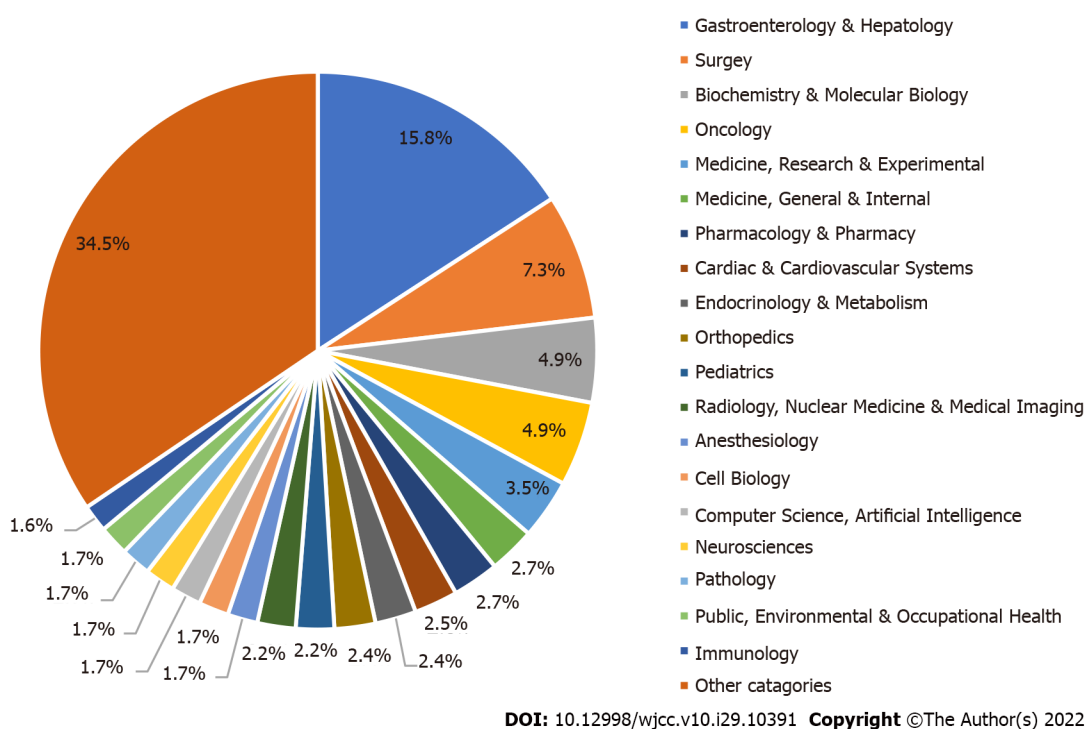


Figure 2 Category distribution of *Reference Citation Analysis* scholars.

Top 3 RCA scholars in the field of Surgery ranked by total articles, total citations, and 2022 AII

Among the 46 RCA scholars in the field of Surgery, the scholar with the largest number of total articles is Bing Hu, Professor (RCA ID: 00000233) from China, who has published a total of 206 articles (Table 7). The scholar with the largest number of total citations is William C Dooley, Professor (RCA ID: 00000689) from the United States, with 3740 citations (Table 8), and has the highest 2022 AII, which is 45.060 (Table 9).

Top 3 RCA scholars in the field of Biochemistry & Molecular Biology ranked by total articles, total citations, and 2022 AII

Among the 31 RCA scholars in the field of Biochemistry & Molecular Biology, the scholar with the

Table 1 Top 3 Reference Citation Analysis scholars ranked by total articles

| Rank | RCA ID | Name | Country | Total articles | Research category | Total citations | 2022 Article Influence Index |
|------|----------|------------------------|-----------|----------------|----------------------------------|-----------------|------------------------------|
| 1 | 00000973 | Giuseppe Biondi-Zoccai | Italy | 901 | Cardiac & Cardiovascular Systems | 26476 | 29.385 |
| 2 | 00000223 | Michael Horowitz | Australia | 725 | Endocrinology & Metabolism | 29432 | 40.596 |
| 3 | 00000650 | Hafiz MN Iqbal | Mexico | 465 | Engineering, Environmental | 13495 | 29.022 |

Table 2 Top 3 Reference Citation Analysis scholars ranked by total citations

| Rank | RCA ID | Name | Country | Total citations | Research category | Total articles | 2022 Article Influence Index |
|------|----------|--------------------|-----------|-----------------|---|----------------|------------------------------|
| 1 | 00000942 | Kamarul Imran Musa | Malaysia | 42830 | Public, Environmental & Occupational Health | 123 | 348.211 |
| 2 | 00000637 | Furio Pacini | Italy | 30373 | Endocrinology & Metabolism | 300 | 101.243 |
| 3 | 00000223 | Michael Horowitz | Australia | 29432 | Endocrinology & Metabolism | 725 | 40.596 |

Table 3 Top 3 Reference Citation Analysis scholars ranked by 2022 Article Influence Index

| Rank | RCA ID | Name | Country | 2022 Article Influence Index | Research category | Total articles | Total citations |
|------|----------|--------------------|----------|------------------------------|---|----------------|-----------------|
| 1 | 00000942 | Kamarul Imran Musa | Malaysia | 348.211 | Public, Environmental & Occupational Health | 123 | 42830 |
| 2 | 00000664 | Gani Bajraktari | Kosovo | 260.303 | Cardiac & Cardiovascular Systems | 99 | 25770 |
| 3 | 00000245 | Yasir Waheed | Pakistan | 198.624 | Infectious Diseases | 141 | 28004 |

Table 4 Top 3 Reference Citation Analysis scholars in the field of Gastroenterology & Hepatology ranked by total articles

| Rank | RCA ID | Name | Country | Total articles | Total citations | 2022 Article Influence Index |
|------|----------|---------------------|---------------|----------------|-----------------|------------------------------|
| 1 | 00001172 | Kamran B Lankarani | Iran | 392 | 4100 | 10.459 |
| 2 | 00000002 | Andrzej S Tarnawski | United States | 365 | 8764 | 24.011 |
| 3 | 00000349 | Xing-Shun Qi | China | 311 | 4561 | 14.666 |

Table 5 Top 3 Reference Citation Analysis scholars in the field of Gastroenterology & Hepatology ranked by total citations

| Rank | RCA ID | Name | Country | Total citations | Total articles | 2022 Article Influence Index |
|------|----------|---------------------|---------------|-----------------|----------------|------------------------------|
| 1 | 00000002 | Andrzej S Tarnawski | United States | 8764 | 365 | 24.011 |
| 2 | 00000598 | Bruno Annibale | Italy | 7695 | 286 | 26.906 |
| 3 | 00000248 | Francis Seow-Choen | Singapore | 6960 | 225 | 30.933 |

largest number of total articles is Giuseppe Maurizio Campo, Professor (RCA ID: 00000278) from Italy, who has published a total of 183 articles (Table 10). The scholar with the largest number of total citations is Yoshiro Saito, Professor (RCA ID: 00001051) from Japan, with 5886 citations (Table 11). The scholar with the highest 2022 AII is Manoj Kumar Kashyap, Associate Professor (RCA ID: 00000155) from India, and his 2022 AII is 75.521 (Table 12).

Top 3 RCA scholars in the field of Oncology ranked by total articles, total citations, and 2022 AII

Among the 31 RCA scholars in the field of Oncology, the scholar with the largest number of total articles is Jing He, Research Associate (RCA ID: 00000057) from China, who has published a total of 206 articles (Table 13). The scholar with the largest number of total citations is Reza Alizadeh-Navaei, Adjunct

Table 6 Top 3 Reference Citation Analysis scholars in the field of Gastroenterology & Hepatology ranked by 2022 Article Influence Index

| Rank | RCA ID | Name | Country | 2022 Article Influence Index | Total articles | Total citations |
|------|----------|----------------|----------------|------------------------------|----------------|-----------------|
| 1 | 00000799 | Paul Henderson | United Kingdom | 89.661 | 62 | 5559 |
| 2 | 00001068 | Li Ma | United States | 51.500 | 8 | 412 |
| 3 | 00000239 | Dar-In Tai | Taiwan | 50.385 | 96 | 4837 |

Table 7 Top 3 Reference Citation Analysis scholars in the field of Surgery ranked by total articles

| Rank | RCA ID | Name | Country | Total articles | Total citations | 2022 Article Influence Index |
|------|----------|------------------|---------|----------------|-----------------|------------------------------|
| 1 | 00000233 | Bing Hu | China | 206 | 1686 | 8.184 |
| 2 | 00000861 | Tsutomu Namikawa | Japan | 206 | 1559 | 7.568 |
| 3 | 00000889 | Rafael Denadai | Brazil | 198 | 1226 | 6.192 |

Table 8 Top 3 Reference Citation Analysis scholars in the field of Surgery ranked by total citations

| Rank | RCA ID | Name | Country | Total citations | Total articles | 2022 Article Influence Index |
|------|----------|------------------|---------------|-----------------|----------------|------------------------------|
| 1 | 00000689 | William C Dooley | United States | 3740 | 83 | 45.060 |
| 2 | 00000803 | Luca Morelli | Italy | 2619 | 158 | 16.576 |
| 3 | 00001229 | Trond Buanes | Norway | 2618 | 131 | 19.985 |

Table 9 Top 3 Reference Citation Analysis scholars in the field of Surgery ranked by 2022 Article Influence Index

| Rank | RCA ID | Name | Country | 2022 Article Influence Index | Total articles | Total citations |
|------|----------|--------------------|---------------|------------------------------|----------------|-----------------|
| 1 | 00000689 | William C Dooley | United States | 45.060 | 83 | 3740 |
| 2 | 00001197 | Nicolò Fabbri | Italy | 33.229 | 35 | 1163 |
| 3 | 00001006 | Zaza Demetrashvili | Georgia | 30.373 | 59 | 1792 |

Table 10 Top 3 Reference Citation Analysis scholars in the field of Biochemistry & Molecular Biology ranked by total articles

| Rank | RCA ID | Name | Country | Total articles | Total citations | 2022 Article Influence Index |
|------|----------|-------------------------|---------|----------------|-----------------|------------------------------|
| 1 | 00000278 | Giuseppe Maurizio Campo | Italy | 183 | 4479 | 24.475 |
| 2 | 00001051 | Yoshiro Saito | Japan | 117 | 5886 | 50.308 |
| 3 | 00000168 | Medine Cumhuri Cüre | Turkey | 116 | 891 | 7.681 |

Associate Professor (RCA ID: 00000754) from Iran, with 23735 citations (Table 14), and has the highest 2022 AII, which is 168.333 (Table 15).

RCA'S MISSION

The mission of RCA is to provide a high-quality academic article evaluation service platform for various categories. At present, there are many evaluation methods for academic articles, but their calculation methods are complicated. RCA is a new generation method of evaluating the quality of academic articles, which allows academic evaluation of journals, scholars, institutions, drugs, medical devices, and publishers based on the JAI of each article in the citation analysis database, thus greatly enriching the academic evaluation systems across different disciplines and guiding healthy development of the academic community[2].

Table 11 Top 3 Reference Citation Analysis scholars in the field of Biochemistry & Molecular Biology ranked by total citations

| Rank | RCA ID | Name | Country | Total citations | Total articles | 2022 Article Influence Index |
|------|----------|-------------------------|---------------|-----------------|----------------|------------------------------|
| 1 | 00001051 | Yoshiro Saito | Japan | 5886 | 117 | 50.308 |
| 2 | 00000302 | Guoxun Chen | United States | 4576 | 71 | 64.451 |
| 2 | 00000278 | Giuseppe Maurizio Campo | Italy | 4479 | 183 | 24.475 |

Table 12 Top 3 Reference Citation Analysis scholars in the field of Biochemistry & Molecular Biology ranked by 2022 Article Influence Index

| Rank | RCA ID | Name | Country | 2022 Article Influence Index | Total articles | Total citations |
|------|----------|---------------------|---------------|------------------------------|----------------|-----------------|
| 1 | 00000155 | Manoj Kumar Kashyap | India | 75.521 | 48 | 3625 |
| | 00000302 | Guo-Xun Chen | United States | 64.451 | 71 | 4576 |
| 2 | 00001051 | Yoshiro Saito | Japan | 50.308 | 117 | 5886 |

Table 13 Top 3 Reference Citation Analysis scholars in the field of Oncology ranked by total articles

| Rank | RCA ID | Name | Country | Total articles | Total citations | 2022 Article Influence Index |
|------|----------|----------------|---------|----------------|-----------------|------------------------------|
| 1 | 00000057 | Jing He | China | 206 | 3489 | 16.937 |
| 2 | 00000659 | Dario de Biase | Italy | 161 | 2488 | 15.453 |
| 3 | 00000800 | Cosimo Sperti | Italy | 156 | 3467 | 22.224 |

Table 14 Top 3 Reference Citation Analysis scholars in the field of Oncology ranked by total citations

| Rank | RCA ID | Name | Country | Total citations | Total articles | 2022 Article Influence Index |
|------|----------|----------------------|---------|-----------------|----------------|------------------------------|
| 1 | 00000754 | Reza Alizadeh-Navaei | Iran | 23735 | 141 | 168.333 |
| 2 | 00000380 | José Carvalheira | Brazil | 6059 | 119 | 50.916 |
| 2 | 00000768 | Amit Dutt | India | 6026 | 67 | 89.940 |

Table 15 Top 3 Reference Citation Analysis scholars in the field of Oncology ranked by 2022 Article Influence Index

| Rank | RCA ID | Name | Country | 2022 Article Influence Index | Total articles | Total citations |
|------|----------|----------------------|---------|------------------------------|----------------|-----------------|
| 1 | 00000754 | Reza Alizadeh-Navaei | Iran | 168.333 | 141 | 23735 |
| | 00000768 | Amit Dutt | India | 89.940 | 67 | 6026 |
| 2 | 00000512 | Nuri Faruk Aykan | Turkey | 65.455 | 44 | 2880 |

OPENNESS AND TRANSPARENCY OF RCA EVALUATION

RCA is unique in its objective, impartial, fair, and transparent release of citation analysis data of important academic journals to authors and readers, including evaluation data, evaluation indices, evaluation methods, and evaluation results, in order to ensure the reliability of academic evaluation[2].

CALCULATION METHOD FOR 2022 AII AND DATA UPDATE

The 2022 AII, calculated as Total citations/Total articles, is not a 2-year or 5-year average of citations, but is an average of citations for all articles of a scholar. Article types are not only limited to original articles and review articles, but for all types of articles. In this way, it is a more objective, fair, and transparent calculation of the academic influence index of a scholar. The RCA updates the article data of scholars weekly, including total number of articles, total citations, and 2022 AII[2].

EVALUATION PROCESS OF RCA SCHOLARS

The scholars included in the RCA core scholars list need to undergo three rounds of strict evaluation. The evaluation process is as follows[2]:

First-round evaluation: The general information on the scholar is verified, including Name, Professional Designations(s), Job Title/Position, Research Domain, Research Keywords, Biography, Institution URL, Institution, Photo, Social Media URLs, and Academic Activity. Usually, RCA scholars must have an MD or PhD degree, and the job title/position must be at least Associate Professor, Associate Chief Physician or Associate Researcher, or above.

Second-round evaluation: The academic quality of the scholar's published articles is verified according to the list of articles imported by the RCA registration user, including whether the imported articles are published by the scholars themselves and whether the author information in the articles is correct. Following the evaluation, scholars will be notified to verify the correctness of the information in the article.

Third-round evaluation: Based on the reliability of the scholar's general information, the number of published articles by the scholar, the distribution of publications, the number of citations of articles, and AII, the RCA editorial team evaluates each scholar, makes the decision to accept or reject the scholar, and creates a list of core scholars by research category.

FUNCTION OF THE RCA SCHOLAR LIST

The function of the RCA scholar list is to: (1) Classify scholars according to categories and rank them according to various bibliometrics, including total view, AII, total citations, cited by in F6publishing, total articles, and number of years; and (2) Provide a website platform for each RCA scholar to display the scholar's name, RCA ID, personal RCA site address, research domain, research keywords, biography, total view, total journal(s), total articles, total citations, cited by in F6publishing, AII, institution URL, institution, scholar's citation analysis list, ranked by (impact index per article, cited by in Crossref, and cited by in F6publishing), results analysis (year published analysis, article type analysis, journal title analysis, category analysis, and citation analysis), year published, article type, journal title, and category[2].

CONCLUSION

RCA is a new impartial, fair, open, and transparent method for third-party quantitative and qualitative evaluation of the quality of academic articles by scholars based on the impact index of each article in the RCA database. The ultimate purpose of RCA is to provide scholars with a permanent RCA ID and personal network sharing website. The scholars' personal RCA site provides them with a platform for academic exchange that integrates social media and network sharing, thus helping to expand the global academic influence of scholars' articles and leading to the healthy development of the exchange of academic ideas.

FOOTNOTES

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