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

Wang JL *et al*.*RCA* announces the 2022 *AII* of632 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,* theopenness 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

Wang JL, Ma YJ, Ma L, Ma N, Guo DM, Ma LS. Baishideng’s *Reference Citation Analysis* database announces the first *Article Influence Index* of multidisciplinary scholars. *World J Clin Cases* 2022; In press

**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,* theopenness 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.

**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 *JAII*). *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 *JAII*[2]. Herein, we summarize the *RCA* scholars, describe the mission of *RCA* andtheopenness 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 articlesis 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 articlesis 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).

***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 articlesis 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 largest number of total articlesis 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 articlesis 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 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 *JAII* 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].

**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.

**REFERENCES**

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2 **Baishideng Publishing Group Inc**. Reference Citation Analysis’s evaluation process for inclusion of scholars. [cited 19 August 2022]. Available from: https://www.wjgnet.com/bpg/GerInfo/304

**Footnotes**

**Conflict-of-interest statement:** The authors are all employees of Baishideng Publishing Group Inc, and declare that they have no other real or potential conflicts of interest to disclose.

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**Provenance and peer review:** Unsolicited article; Externally peer reviewed

**Peer-review model:** Single blind

**Peer-review started:** August 18, 2022

**First decision:** August 29, 2022

**Article in press:**

**Specialty type:** Medical laboratory technology

**Country/Territory of origin:** United States

**Peer-review report’s scientific quality classification**

Grade A (Excellent): 0

Grade B (Very good): B, B

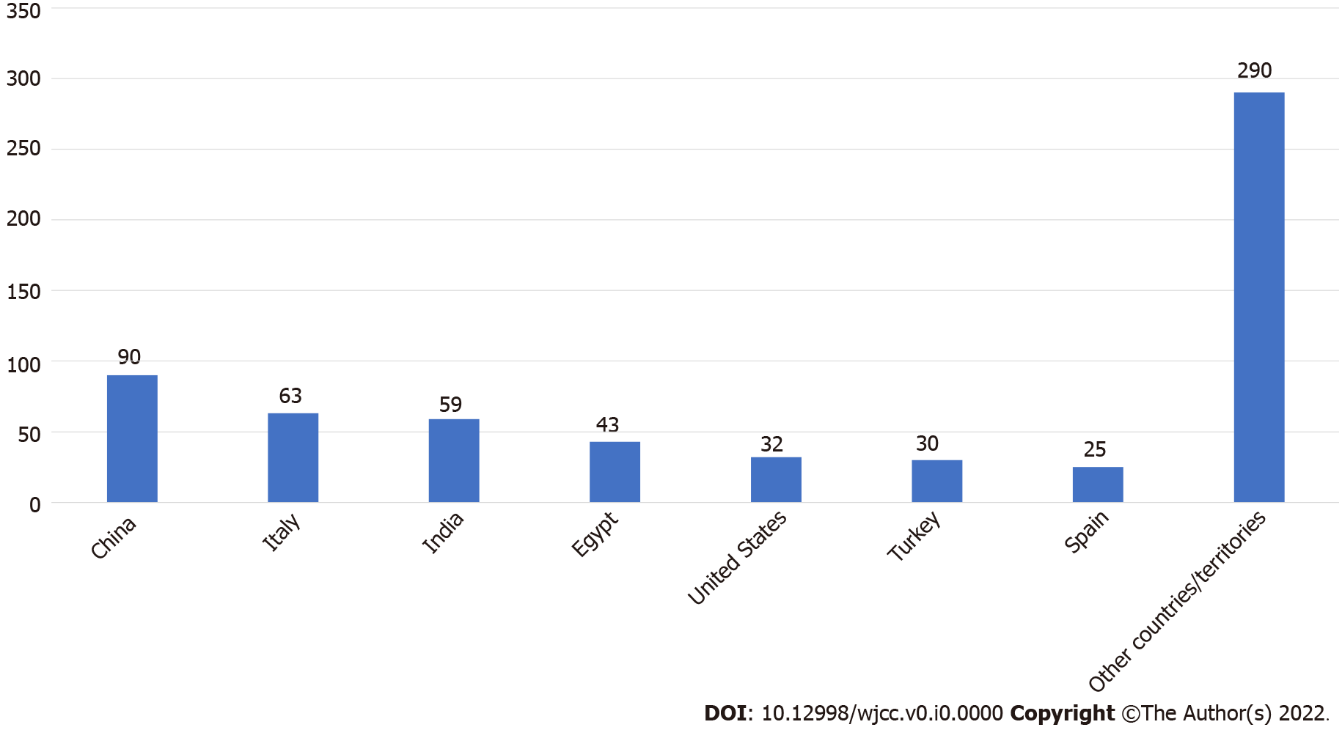
Grade C (Good): 0

Grade D (Fair): 0

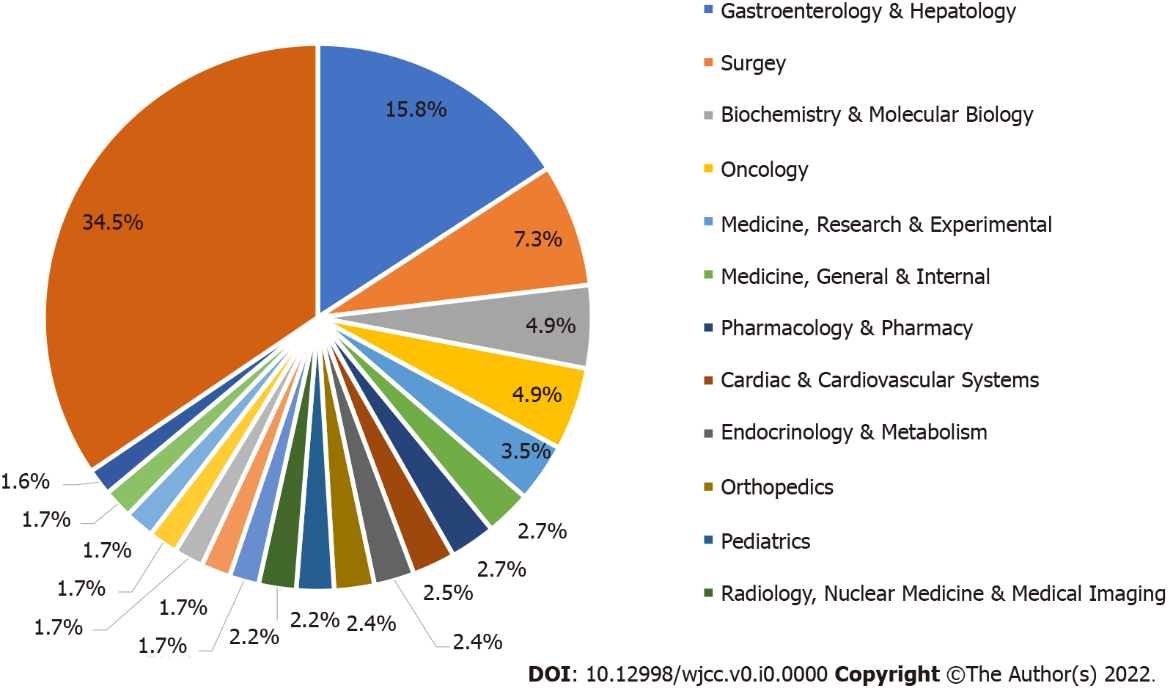
Grade E (Poor): 0

**P-Reviewer:** Exbrayat JM, France; Li XB, China **S-Editor:** Wang JJ **L-Editor:** Webster JR **P-Editor:**

**Figure Legends**



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



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

**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](javascript:void(0);) | Endocrinology & Metabolism | 29432 | 40.596 |
| 3 | [00000650](javascript:void(0);) | Hafiz MN Iqbal | Mexico | [465](javascript:void(0);) | 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](javascript:void(0);) | 8764 | 24.011 |
| 3 | [00000349](javascript:void(0);) | Xing-Shun Qi | China | [311](javascript:void(0);) | 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 |

**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 Cumhur Cüre | Turkey | 116 | 891 | 7.681 |

**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 |