ANNEXUS

Retracted Covid-19 papers and the levels of ‘citation pollution’: A preliminary analysis and directions for further research

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### Annex A: An analysis of 33 Retracted Covid-19 Papers

| Retracted research | Date published | Date of retraction | Journal | Pre-print server | Paper still available on publisher website (Y/N) | Google Scholar confirms retraction (Y/N) | Approx. No of Citations (Google Scholar, recorded between 14 to 22 Sept) | Authors’ affiliation country |
|--------------------|----------------|--------------------|---------|------------------|-----------------------------------------------|------------------------------------------|---------------------------------------------|-----------------------------|
| 1. Mehra et al., (2020a) *(Ret)* | 2020-05-22 | 2020-06-04 | The Lancet | Y | N | 540 | USA/Switzerland |
| 2. Mehra et al., (2020b) *(Ret)* | 2020-05-01 | 2020-06-04 | New England Journal of Medicine | Y | N | 476 | USA |
| 3. Wang et al., (2020b) *(Ret)* | 2020-04-07 | 2020-07-10 | Cellular & Molecular Immunology | Y | N | 162 | China |
| 4. Bae et al., (2020) *(Ret)* | 2020-04-06 | 2020-06-01 | Annals of internal medicine | Y | N | 109 | South Korea |
| 5. Wang et al., (2020a) *(Ret)* | 2020-02-17 | N/A | Zhonghua er ke za zhi= Chinese journal of pediatrics | N (abstract only) | N | 88 | China |
| 6. Karami et al., (2020) *(Ret)* | 2020-04-11 | 2020-05-02 | Travel Medicine and Infectious Disease | N | N | 79 | Iran |
| 7. Funck-Brentano and Salem (2020) *(Ret)* | 2020-05-22 | Replaced | The Lancet (Editorial) | N | N | 22 | France |
| 8. Zhuang et al., (2020) *(Ret)* | 2020-03-05 | "A few days later" | Zhonghua liu xing bing xue za zhi = Zhonghua liuxingbingxue zazhi (Chinese Journal of Epidemiology) | N | N | 22 | China |
| 9. Beato-Vibora (2020) *(Ret)* | N/A | 2020-05-12 | Diabetes Technology & Therapeutics | Y | N | 17 | Spain |
| 10. Zeng and Zhen (2020) *(Ret)* | 2020-02-24 | 2020-02-26 | The Lancet Global Health | Y | N | 13 | China |
| 11. Luo et al. (2020) *(Ret)* | Early March | Mid-April | Practical Preventive Medicine | N | N | 3 | China |
| 12. Nouvier et al., (2020) *(Ret)* | 2020-04-13 | 2020-04-20 | Bulletin de la Dialyse à Domicile | Y | N | 2 | France |
| 13. Kumar (2020) *(Ret)* | N/A | N/A | Journal of Molecular Pharmaceuticals and Regulatory Affairs | N | N | 1 | India |
| 14. Gormley and Ngan (2020) *(Ret)* | N/A | 2020-04-06 | Journal of the American Pharmacists Association | N | N | 1 | USA |
| 15. Tofade and Daftary (2020) *(Ret)* | 2020-04-10 | N/A | Journal of the American Pharmacists Association | N | N | 1 | USA |
| 16. Singh (2020) *(Ret)* | 2020-07-08 | 2020-09-14 | Korean Journal of Anesthesiology | Y | Y | 1 | India |
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| No.  | Authors (Year) | Retraction Date | Publication Date | Journal & Preprint ID | YYYY:MM | N | Y | Citation | Country/Region |
|------|----------------|-----------------|-----------------|-----------------------|---------|---|---|----------|----------------|
| 17.  | Fioranelli et al., (2020) | Ret | 2020-07-16 | Journal of Biological Regulators and Homeostatic Agents (Editorial) | N | N | 0 | Italy |
| 18.  | Oodendijk et al., (2020) | Ret | 2020-08-15 | Asian Journal of Medicine and Health | N | Y | N/A | Belgium/France/Switzerland/East Timor |
| 19.  | Yang et al., (2020) | Ret | 2020-02-11 | medRxiv | N | N | 218 China |
| 20.  | Pradhan et al. (2020) | Ret | 2020-01-31 | BioRxiv | Y | N | 39 India |
| 21.  | Chen et al., (2020) | Ret | 2020-01-25 | BioRxiv | N | Y | 31 China |
| 22.  | Raharusun (2020) | Ret | 2020-04-26 | SSRN | Y | Y | 31 Indonesia |
| 23.  | Patel (2020) | Ret | 2020-04-19 | SSRN | N | N | 14 N/A |
| 24.  | Patel and Desai (2020) | Ret | April 2020 | medRxiv | N | N | 10 USA |
| 25.  | Siyu et al., (2020) | Ret | 2020-02-25 | medRxiv | N | N | 7 China |
| 26.  | Kim et al. (2020) | Ret | 2020-05-18 | MedRxiv | Y | N | 4 Korea |
| 27.  | Davido et al. (2020) | Ret | 2020-05-11 | MedRxiv | N | N | 2 France |
| 28.  | Gaibazzi et al. (2020b) | Ret | 2020-05-10 | MedRxiv | Y | N | 2 Italy |
| 29.  | Parves (2020) | Ret | 2020-04-12 | BioRxiv | N | Y | 1 Bangladesh |
| 30.  | Chu et al. (2020) | Ret | 2020-04-05 | BioRxiv | N | Y | 1 China |
| 31.  | Gaibazzi et al. (2020a) | Ret | 2020-05-06 | MedRxiv | N | Y | 1 Italy |
| 32.  | Cercy (2020) | Ret | 2020-05-25 | MedRxiv | N | Y | 1 USA |
| 33.  | Mallick et al. (2020) | Ret | July 2020 | ICML 2020 Workshop | Y | Y | 0 USA |

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Annex B: Reasons and excerpts from official retraction notices

| Citation | Excerpts from official retraction notices |
|-----------|-----------------------------------------|
| 1. Mehra et al., (2020a) (Ret) | Several concerns were raised with respect to the veracity of the data and analyses conducted. Authors would not transfer the full dataset, client contracts, and the full ISO audit report to their servers for analysis as such transfer would violate client agreements and confidentiality requirements. Reviewers were not able to conduct an independent and private peer review and therefore notified us of their withdrawal from the peer-review process. |
| 2. Mehra et al., (2020b) (Ret) | This retract is related to Mehra et al., (2020a) (Ret). Because all the authors were not granted access to the raw data and the raw data could not be made available to a third-party auditor, we are unable to validate the primary data sources underlying our article. |
| 3. Wang et al., (2020b) (Ret) | The authors have retracted this article. After the publication of this article, it came to the authors attention that in order to support the conclusions of the study, the authors should have used primary T cells instead of T-cell lines. In addition, there are concerns that the flow cytometry methodology applied here was flawed. These points resulted in the conclusions being considered invalid. |
| 4. Bae et al., (2020) (Ret) | According to recommendations by the editors of Annals of Internal Medicine, we are retracting our article, “Effectiveness of Surgical and Cotton Masks in Blocking SARS-CoV-2. A Controlled Comparison in 4 Patients,” which was published at Annals.org on 6 April 2020. |
| 5. Wang et al., (2020a) (Ret) | N/A |
| 6. Karami et al., (2020) (Ret) | The authors have withdrawn their manuscript whilst they perform additional experiments to test some of their conclusions further. |
| 7. Funck-Brentano and Salem (2020) (Ret) | Authors retracted and replaced the editorial. |
| 8. Zhuang et al., (2020) (Ret) | Editor office’s response for Ahead of Print article withdrawn The article “Potential false-positive rate among the ‘asymptomatic infected individuals’ in close contacts of COVID-19 patients” was under strong discussion after pre-published. Questions from the readers mainly focused on the article’s results and conclusions were depended on theoretical deduction, but not the field epidemiology data and further researches were needed to prove the current theory. Based on previous discussions, the article was decided to be offline by the editorial board from the pre-publish lists. |
| 9. Beato-Vibora (2020) (Ret) | The Editor of Diabetes Technology & Therapeutics is officially retracting the article entitled, “No Deleterious Effect of Lockdown Due to COVID-19 Pandemic on Glycaemic Control, Measured by Glucose Monitoring, in Adults with Type 1 Diabetes,” by Beato-Vibora. After the Instant Online publication of the article, the journal editor received correspondence indicating that some portions of the paper may have been plagiarised. An internal investigation was launched into the accusation, and though the charge of plagiarism was not found to be compelling, it was discovered that the author’s Institutional Review Board approval statements for the paper were secured after submission and publication of the article, and only after the publisher requested said documentation. The author explained that IRB approval was not secured due to her institution’s closure because of the COVID-19 pandemic. Despite these unusual circumstances, it is a clear violation of proper and standard protocols for studies containing human subjects, and therefore the Journal officially retracts the paper. |
| 10. Zeng and Zhen (2020) (Ret) | On Feb 26, 2020, we were informed by the authors of this Correspondence that the account described therein was not a first-hand account, as the authors had claimed, and that they wished to withdraw the piece. We have therefore taken the decision to retract this correspondence. |
| 11. Luo et al. (2020) (Ret) | N/A |
| 12. Nouvier et al., (2020) (Ret) | By this letter we would like to retract our case report entitled “First viral replication of Covid-19 identified in the peritoneal dialysis fluid of a symptomatic patient” that we submitted to your journal one week ago. We indeed wanted to inform the renal community of a potential presence of Covid-19 virus in the peritoneal dialysis fluid in patients undergoing peritoneal dialysis treatment. However, the patient general status impaired and he was transferred to an intensive care unit for acute myocardial insufficiency. During this stay, he was re-checked for a number of other organs alterations. A total of 7 RT-PCR SARS-CoV2 tests , validated by the National Reference Center, were done … A serological test was also performed. All tests were found negative. |
| 13. Kumar (2020) (Ret) | This article have been RETRACTED by publisher. The wrong paper has been published due to some technical glitch. The information pertaining in this paper is misleading the readers and creating massive conflicts amid the scientific community. |
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| 14. | Gormley and Ngan (2020) (Ret) | The Publisher regrets that this article is an accidental duplication of an article that has already been published. The duplicate article has therefore been withdrawn. |
|-----|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 15. | Tofade and Daftary (2020) (Ret) | The Publisher regrets that this article is an accidental duplication of an article that has already been published. The duplicate article has therefore been withdrawn. |
| 16. | Singh (2020) (Ret) | N/A |
| 17. | Fioranelli et al., (2020) (Ret) | This article has been retracted at the request of the Editor. After a thorough investigation the Editor-in-Chief has retracted this article as it showed evidence of substantial manipulation of the peer review. |
| 18. | Oodendijk et al., (2020) (Ret) | This article was retracted after reporting of serious scientific fraud. |
| 19. | Yang et al., (2020) (Ret) | Our manuscript was based on surveillance cases of COVID-19 identified before January 26, 2020. As of February 20, 2020, the total number of confirmed cases in mainland China has reached 18 times of the number in our manuscript. While the methods and the main conclusions in our original analyses remain solid, we decided to withdraw this pre-print for the time being. |
| 20. | Pradhan et al. (2020) (Ret) | This paper has been withdrawn by its authors. They intend to revise it in response to comments received from the research community on their technical approach and their interpretation of the results. If you have any questions |
| 21. | Chen et al., (2020) (Ret) | This manuscript has been withdrawn as it was submitted without the full consent of all the authors. |
| 22. | Raharusun (2020) (Ret) | N/A |
| 23. | Patel (2020) (Ret) | N/A |
| 24. | Patel and Desai (2020) (Ret) | N/A |
| 25. | Siyu et al., (2020) (Ret) | The authors have withdrawn their manuscript whilst they perform additional experiments to test some of their conclusions further. |
| 26. | Kim et al., (2020) (Ret) | The authors have withdrawn this manuscript because of the controversy about hydroxychloroquine and potential changes in results after peer-review, the authors intend to share their results in formal publication. |
| 27. | Davido et al., (2020) (Ret) | The authors have withdrawn this manuscript and do not wish it to be cited. Because of controversy about hydroxychloroquine and the retrospective nature of their study, they intend to revise the manuscript after peer review. |
| 28. | Gaibazzi et al., (2020b) (Ret) | The authors have withdrawn this manuscript at the request of their local IRB, because the objectives outlined in this study were not specifically approved by the IRB. |
| 29. | Parves (2020) (Ret) | The authors have withdrawn this manuscript because of a violation of research ethics. Unknown to the first author, the corresponding author - the main designer of the project - did not obtain consent for the use of a data-set. |
| 30. | Chu et al., (2020) (Ret) | The authors have withdrawn their manuscript whilst they wish to perform additional experiments to validate their conclusions further. Therefore, the authors do not wish this work to be cited as reference for the project |
| 31. | Gaibazzi et al., (2020a) (Ret) | N/A |
| 32. | Cercy (2020) (Ret) | The author has voluntarily withdrawn this manuscript because of questions raised about privacy issues in the conduct of this retrospective chart review. That issue is being contested by the author. |
| 33. | Mallick et al., (2020) (Ret) | N/A |
Annex C: Review papers citing retracted papers

| Citation | Approx. No of Citations (Google Scholar, recorded between 14 to 22 Sept) | Paper type | On the ‘publication race’ | Review paper | Submitted | Accepted | Date published | Authors’ affiliation country | Publication speed |
|----------|------------------------------------------------------------------------|------------|---------------------------|--------------|------------|----------|----------------|-----------------------------|------------------|
| 1. Singhal (2020) | 776 | Journal | √ | 2020-02-23 | 2020-02-25 | 2020-03-13 | India | less than a month |
| 2. Rodriguez-Morales et al. (2020) | 689 | Journal | √ | 2020-02-29 | 2020-03-11 | 2020-03-13 | Several countries - Latin American Network of Coronavirus Disease 2019-COVID-19 Research | less than a month |
| 3. Zimmermann and Curtis (2020a) | 331 | Journal | √ | n/a | 2020-03-03 | 2020-05-05 | Australia | 2 months |
| 4. Sahin et al. (2020) | 165 | Journal | √ | 2020-02-11 | 2020-02-12 | 2020-02-12 | Turkey | 1 day to acceptance |
| 5. Ioannidis (2020) | 136 | Editorial | √ | | | 2020-03-12 | USA | n/a |
| 6. Cao et al. (2020) | 106 | Journal | √ | 2020-03-11 | 2020-03-30 | 2020-04-03 | China | less than a month |
| 7. Pascarella et al. (2020) | 105 | Journal | √ | n/a | n/a | 2020-04-29 | Italy | n/a |
| 8. Elshafey et al. (2020) | 80 | Journal | √ | 2020-04-20 | 2020-04-23 | 2020-05-17 | Egypt | less than a month |
| 9. Ong et al. (2020) | 49 | Journal | √ | n/a | n/a | 2020-04-07 | Singapore/Korea/Canada/Italy | n/a |
| 10. Zimmermann and Curtis (2020b) | 48 | Journal | √ | n/a | 2020-03-29 | 2020-06-06 | Australia | 2 months |
| 11. Kolifarhood et al. (2020) | 46 | Journal | √ | Feb-20 | Mar-20 | 2020-04-01 | Iran | 1 month |
| 12. Juan et al. (2020) | 44 | Journal | √ | n/a | 2020-05-17 | 2020-05-19 | China/Spain/Hong Kong/UK | 1 day to acceptance |
| 13. Majumder and Mandl (2020) | 36 | Journal | √ | n/a | n/a | 2020-03-24 | USA | n/a |
| 14. Mackey et al. (2020) | 35 | Journal | √ | n/a | n/a | 2020-05-15 | USA | n/a |
| 15. Simons et al. (2020) | 18 | Pre-print | √ | n/a | n/a | 2020-05-07 & 2020-09-04 | UK | n/a |
| 16. Medford et al. (2020) | 15 | Pre-print | √ | n/a | n/a | 2020-04-07 | USA | n/a |
| 17. Amawi et al. (2020) | 15 | Journal | √ | 2020-04-01 | 2020-04-22 | 2020-05-12 | Jordan/Northern-Ireland/Australia | 1 month |
| 18. Gajbhiye et al. (2020) | 14 | Pre-print | √ | n/a | n/a | 2020-05-05 | India | |
| 19. Schünemann et al. (2020) | 12 | Journal | √ | n/a | n/a | 2020-05-22 | Several countries | |
|   | Authors (Year)         | Journal  |   |   | Published Date | Location                        | Duration         |
|---|-----------------------|----------|---|---|----------------|----------------------------------|------------------|
|20 | Gazendam et al. (2020)| Journal  | ✓ | n/a| 2020-07-01     | Canada                          | 2020-07-01       |
|21 | Shamshirian et al. (2020)| Pre-print | ✓ | n/a| 2020-05-28     | Iran                            | 2020-05-28       |
|22 | Sattui et al. (2020)  | Journal  | ✓ | n/a| 2020-05-29     | Iran                            | 2020-05-29       |
|23 | Dinis-Oliveira (2020) | Journal  | ✓ | n/a| 2020-04-18     | Portugal                        | 2020-04-18       |
|24 | Naeem et al. (2020)   | Journal  | ✓ | n/a| 2020-06-04     | Pakistan                        | 2020-06-04       |
|25 | Matar et al. (2020)   | Journal  | ✓ | n/a| 2020-05-15     | Pakistan                        | 2020-05-15       |
Annex D: Detailed count of “second generation citations”

| Citations of retraction paper | First generation – citations per retracted papers | Sum of second generation citations per retracted paper, limited to approximately 20 highest cited papers per each of the top 16 retracted papers. |
|-------------------------------|--------------------------------|--------------------------------------------------------------------------------|
| 1 Mehra et al., (2020a) (Ret) | 540 | 367 |
| 2 Mehra et al., (2020b) (Ret) | 476 | 1137 |
| 3 Yang et al., (2020) (Ret)  | 218 | 7053 |
| 4 Wang et al., (2020b) (Ret) | 162 | 765 |
| 5 Bae et al., (2020) (Ret)   | 109 | 192 |
| 6 Wang et al., (2020a) (Ret) | 88  | 2210 |
| 7 Karami et al., (2020) (Ret) | 79  | 304 |
| 8 Pradhan et al. (2020) (Ret)| 39  | 327 |
| 9 Chen et al., (2020) (Ret)  | 31  | 210 |
| 10 Raharusun (2020) (Ret)    | 31  | 44  |
| 11 Funck-Brentano and Salem (2020) (Ret) | 22 | 24 |
| 12 Zhuang et al., (2020) (Ret) | 22 | 159 |
| 13 Beato-Vibora (2020) (Ret) | 17 | 3 |
| 14 Patel (2020) (Ret)         | 14 | 8 |
| 15 Zeng and Zhen (2020) (Ret) | 13 | 132 |
| 16 Patel and Desai (2020) (Ret) | 10 | 18 |
| **TOTALS**                    | 1871 | 12953 |
### Annex E: Deeper analysis of selected review papers with more than 10 citations, citing retracted papers

| Citation                  | Approx. No of Citations (Google Scholar, recorded between 14 to 22 Sept) | Citing retracted research? | Acknowledges retracted research? (Y/N) | Paper type | On the ‘publication race’ | Review paper |
|---------------------------|------------------------------------------------------------------------|-----------------------------|----------------------------------------|------------|----------------------------|--------------|
| 1. Singhal (2020)         | 776                                                                    | Wang et al. (2020a) (Ret)   | The author did not acknowledge the retracted paper, but as disclaimer, the paper says that “Since knowledge about this virus is rapidly evolving, readers are urged to update themselves regularly”. | Journal    | √                          |              |
| 2. Rodriguez-Morales et al. (2020) | 689                                                                  | Wang et al. (2020a) (Ret)   | N                                      | Journal    | √                          |              |
| 3. Zimmermann and Curtis (2020a) | 331                                                                  | Wang et al. (2020a) (Ret)   | N                                      | Journal    | √                          |              |
| 4. Sahin et al. (2020)    | 165                                                                    | Chen et al. (2020) (Ret)    | N                                      | Journal    | √                          |              |
| 5. Ioannidis (2020)       | 136                                                                    | N                           |                                        | Journal    | √                          |              |
| 6. Cao et al. (2020)      | 106                                                                    | Wang et al. (2020a) (Ret)   | This paper acknowledge the one retracted paper it cited in the text, but still incorporated it in the analysis. | Journal    | √                          |              |
| 7. Pascarella et al. (2020) | 105                                                                  | Zhuang et al. (2020) (Ret)  | N                                      | Journal    | √                          |              |
| 8. Elshafeey et al. (2020) | 80                                                                    | Karami et al., (2020) (Ret) | N                                      | Journal    | √                          |              |
| 9. Ong et al. (2020)      | 49                                                                    | Wang et al. (2020a) (Ret)   | N                                      | Journal    | √                          |              |
| 10. Zimmermann and Curtis (2020b) | 48                                                                  | Wang et al. (2020a) (Ret)   | Cites a retracted paper, acknowledges it, but still incorporates it in the analysis. | Journal    | √                          |              |
| 11. Kolifarhood et al. (2020) | 46                                                                  | Zeng and Zhen (2020) (Ret)  | N                                      | Journal    | √                          |              |
| 12. Juan et al. (2020)    | 44                                                                    | Karami et al., (2020) (Ret) | This paper acknowledge the one retracted paper it cited in the text, but still included it in the analysis. | Journal    | √                          |              |
| 13. Majumder and Mandl (2020) | 36                                                                  | Pradhan et al. (2020) (Ret) | This review paper mentions the withdrawal of a retracted paper, but still included it in the discussion. | Journal    | √                          |              |
| 14. Mackey et al. (2020)  | 35                                                                    | Mehra et al., (2020b) (Ret) | N                                      | Journal    | √                          |              |
| 15. Simons et al. (2020)  | 18                                                                    | Mehra et al., (2020b) (Ret) | In a later version of the pre-print, the authors removed the reference to the retracted paper | Pre-print   | √                          |              |
| 16. Medford et al. (2020) | 15                                                                    | N                           |                                        | Pre-print   | √                          |              |
| 17. Amawi et al. (2020)   | 15                                                                    | - Patel and Desai (2020) (Ret) | In both instances the citation was not acknowledged as retracted | Journal    | √                          |              |

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|   | Author(s)                        | Year | Retracted Paper | Citation Frequency | Status  |
|---|----------------------------------|------|-----------------|--------------------|---------|
| 18| Gajbhiye et al. (2020)           | 14   | Karami et al. (2020) (Ret) | N                  | Pre-print | ✓   |
| 19| Schünnemann et al. (2020)        | 12   | Bae et al. (2020) (Ret)    | N                  | Journal   | ✓   |

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Annex F: Journal lists linked to trial dataset (accessed July 2020)

| List acronym | Description |
|--------------|-------------|
| 1. Scopus     | Scopus Source Titles List and Discontinued Sources (https://www.elsevier.com/solutions/scopus/how-scopus-works/content) |
| 2. DOAJ       | Directory of Open Access Journals (DOAJ) Added and Removed Titles (https://docs.google.com/spreadsheets/d/183mRBRqs2jOyP0qZWXN8dUd02D4vL0Mov_4kgYF8HORM/edit#gid=1678073646) |
| 3. Bealls     | Beall’s extended list (https://beallslist.net/) |
| 4. VABB-SHW   | Flemish Academic Bibliographic Database for the Social Sciences and Humanities (VABB-SHW) (https://www.ecoom.be/en/data-collections/vabb-shw) |
| 5. SA-DHET    | South African (S.A.) Department of Higher Education and Training (DHET) list (https://libguides.library.cput.ac.za/c.php?g=628041&p=4382005) |
| 6. PubMed     | PubMed (+MEDLINE) by National Center for Biotechnology Information (NCBI) (ftp://ftp.ncbi.nlm.nih.gov/pubmed/) |
| 7. NORW-NSD   | Norwegian Journals list (Norwegian Register for Scientific Journals, Series and Publishers) (https://dbh.nsd.uib.no/publiseringskanaler/KanalTreffliste.action;jsessionid=yeALjI6pBJ6qGjFIQtBtyRN.U.undefined?xs=&__checkbox_bibsys=true&tv=true) |
| 8. BFI Series | Danish Ministry of Higher Education and Science BFI Series List (https://ufm.dk/forskning-og-innovation/statistik-og-analysere/den-bibliometriske-forskningsindikator/BFI-lister/bfi-listen-for-serier-2020.xlsx) |
| 9. WoS        | Web of Science by Clarivate journal list – four subsets: ESCI, AHCI, SSCI, and SCIE (https://ml.clarivate.com/mlj-beta/collection-list-downloads) |
| 10. CNRS      | The CNRS (Comité National de la Recherche Scientifique) Categorization of Journals in Economics and Management (https://www.gate.cnrs.fr/IMG/pdf/categorisation37_liste_juin_2019-3.pdf) |
| 11. IRAN-BL   | The Iranian Journal Black List is a list of journals blacklisted by the Ministry of Health and Medical Education in Iran (http://blacklist.research.ac.ir/) |
| 12. PHEC      | Pakistan Higher Education Commission Recognised and Deregocnised National Research Journals (https://www.hec.gov.pk/english/services/faculty/journals/Pages/default.aspx) |
### Annex G: Retracted papers in journal lists

| Citation | Journal title | Approx. No of Citations (Google Scholar, recorded between 14 to 22 Sept) | Scopus | DOAJ | Bealls | VABB-SHW | SA-DHET | PubMed | NORW-NSD | BFI Series | WoS | CNRS | IRAN-BL | PHEC | Recogn | Deduced |
|-----------|---------------|--------------------------------------------------------------------------|--------|------|--------|----------|----------|--------|----------|-----------|-----|------|---------|------|---------|---------|
| 1. Mehra et al., (2020a) (Ret) | The Lancet | 540 | √ | | | | | | | | | | | | | | |
| 2. Mehra et al., (2020b) (Ret) | New England Journal of Medicine | 476 | √ | | | | | | | | | | | | | | |
| 3. Wang et al., (2020b) (Ret) | Cellular & Molecular Immunology | 162 | √ | | | | | | | | | | | | | | |
| 4. Bae et al., (2020) (Ret) | Annals of internal medicine | 109 | √ | | | | | | | | | | | | | | |
| 5. Wang et al., (2020a) (Ret) | Zhonghua er ke za zhi= Chinese journal of pediatrics | 88 | √ | | | | | | | | | | | | | | |
| 6. Karami et al., (2020) (Ret) | Travel Medicine and Infectious Disease | 79 | | | | | | | | | | | | | | |
| 7. Funck-Brentano and Salem (2020) (Ret) | The Lancet (Editorial) | 22 | √ | | | | | | | | | | | | | | |
| 8. Zhuang et al., (2020) (Ret) | Zhonghua liu xing bing xue za zhi = Zhonghua liuxingbingxue zazhi (Chinese Journal of Epidemiology) | 22 | √ | | | | | | | | | | | | | | |
| 9. Beato-Vibora (2020) (Ret) | Diabetes Technology & Therapeutics | 17 | √ | | | | | | | | | | | | | | |
| 10. Zeng and Zhen (202) (Ret) | The Lancet Global Health | 13 | √ | | | | | | | | | | | | | | |
| 11. Luo et al., (2020) (Ret) | Practical Preventive Medicine | 3 | | | | | | | | | | | | | | |
| 12. Nouvier et al., (2020) (Ret) | Bulletin de la Dialyse à Domicile | 2 | √ | | | | | | | | | | | | | | |

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|   | Author(s) (Year) | Journal Title                                      | Retraction Status | Citation Levels |
|---|-----------------|---------------------------------------------------|-------------------|-----------------|
| 13. | Kumar (2020) (Ret) | Journal of Molecular Pharmaceuticals and Regulatory Affairs | 1                 | THIS JOURNAL APPEARS ON NO LIST |
| 14. | Gormley and Ngan (2020) (Ret) | Journal of the American Pharmacists Association | 1     | √               |
| 15. | Tofade and Daftary (2020) (Ret) | Journal of the American Pharmacists Association | 1     | √               | √   |
| 16. | Singh (2020) (Ret) | Korean Journal of Anesthesiology | 1     | √               | √   | √   |
| 17. | Fioranelli et al., (2020) (Ret) | Journal of Biological Regulators and Homeostatic Agents (Editorial) | 0     | √               | √   | √   | √   | √   | √   |
| 18. | Oodendijk et al., (2020) (Ret) | Asian Journal of Medicine and Health | N/A  | THIS JOURNAL APPEARS ON NO LIST |

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### Annex H: Review papers, citing retracted papers, in journal lists

| Citation                                    | Journal title                                                                 | Approx. No of Citations (Google Scholar, recorded between 14 to 22 Sept) | Scopus Listed | Scopus Discon | DOAJ Added | DOAJ Removed | Bealls | VABB-SHW | SA-DHET | PubMed | NORW-NSD | BFI Series | WoS | CNRS | IRAN-BL | PHEC | Recog | Dereco |
|---------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------|---------------|---------------|-------------|--------------|---------|---------|---------|--------|----------|------------|-----|------|---------|------|-------|--------|
| 1. Singhal (2020)                           | The Indian Journal of Pediatrics                                              | 776                                                      | √             |               |             |              |         |         |         |        |          |            |     |      |         |      |       |        |
| 2. Rodriguez-Morales et al. (2020)          | Travel medicine and infectious disease                                       | 689                                                      | √             |               |             |              |         |         |         |        |          |            |     |      |         |      |       |        |
| 3. Zimmermann and Curtis (2020a)            | The Pediatric infectious disease journal                                    | 331                                                      | √             |               |             |              | √       |         |         |        |          |            |     |      |         |      |       |        |
| 4. Sahin et al. (2020)                      | Eurasian journal of Medicine and Oncology (EJMO)                             | 165                                                      |               |               |             |              |         |         |         |        |          |            |     |      |         |      |       |        |
| 5. Ioannidis (2020)                         | European journal of clinical investigation                                  | 136                                                      | √             |               |             |              |         |         |         |        |          |            |     |      |         |      |       |        |
| 6. Cao et al. (2020)                        | Journal of medical virology                                                 | 106                                                      | √             |               |             |              |         |         |         |        |          |            |     |      |         |      |       |        |
| 7. Pascarella et al. (2020)                 | Journal of Internal Medicine                                                | 105                                                      | √             |               |             |              | √       |         |         |        |          |            |     |      |         |      |       |        |
| 8. Elshafeey et al. (2020)                  | International Journal of Gynecology & Obstetrics                             | 80                                                       | √             |               |             |              |         |         |         |        |          |            |     |      |         |      |       |        |
| 9. Ong et al. (2020)                        | Pediatric Critical Care Medicine                                             | 49                                                       | √             |               |             |              |         |         |         |        |          |            |     |      |         |      |       |        |
| 10. Zimmermann and Curtis (2020b)           | The Pediatric infectious disease journal                                    | 48                                                       | √             |               |             |              | √       |         |         |        |          |            |     |      |         |      |       |        |
| 11. Kolifarhood et al. (2020)               | Archives of academic emergency medicine                                     | 46                                                       |               |               |             |              |         |         |         |        |          |            |     |      |         |      |       |        |

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|   | Authors (Year)            | Journal/Pre-print          | Year | Ling                | Pre-prints | Language | Author's country | Editor's country | Field of Study | Country | Language | Type of Work |bibliometric indicators |
|---|---------------------------|---------------------------|------|---------------------|------------|----------|------------------|------------------|---------------|---------|----------|--------------|-------------------------|
| 12| Juan et al. (2020)        | Ultrasound in Obstetrics & Gynecology | 44   | √                   | √          | √        | √                | √                | √             | √       | √        | √            | PRE-PRINT               |
| 13| Majumder and Mandl (2020) | The Lancet Global Health  | 36   | √                   | √          | √        | √                |                 |               | √       | √        | √            | PRE-PRINT               |
| 14| Mackey et al. (2020)      | Annals of Internal Medicine | 35   | √                   | √          | √        | √                | √                | √             | √       | √        | √            | PRE-PRINT               |
| 15| Simons et al. (2020)      | Pre-print                 | 18   |                     |            |          |                  |                  |               |          |          | PRE-PRINT               |
| 16| Medford et al. (2020)     | Pre-print                 | 15   |                     |            |          |                  |                  |               |          |          | PRE-PRINT               |
| 17| Amawi et al. (2020)       | Therapeutic delivery      | 15   | √                   |            |          |                  |                  |               |          |          | PRE-PRINT               |
| 18| Gajbhiye et al. (2020)    | Pre-print                 | 14   |                     |            |          |                  |                  |               |          |          | PRE-PRINT               |
| 19| Schünemann et al. (2020)  | Annals of Internal Medicine | 12   | √                   | √          | √        | √                | √                | √             | √       | √        | √            | PRE-PRINT               |

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