

## **Supplementary Data**

### **Supplementary Methods**

Coronavirus-related literature from January 1, 1992 to June 30, 2022 was retrieved from the Web of Science Core Collection (WoSCC) with the formula of ((TS=(coronavirus)) AND TS=(coronaviruses)) AND DT=(Article). COVID-19 and SARS-COV-2-related literature from January 1, 2020 to June 30, 2022 was were retrieved from the WoSCC also; the literature type was limited to “article,” the search field was set to “Title”, and the specific search formula was (TI = COVID-19 OR TI= “Coronavirus disease 2019” OR TI = COVID-2019 OR TI = 2019-nCoV OR TI = nCov-2019 OR TI = SARS-COV-2 OR TI = “Severe acute respiratory syndrome coronavirus 2” OR TI = “Novel Coronavirus”).

VOSviewer (version 1.6.15) software was used to analyze the volume of publications, cooperation relationships, and keyword co-occurrence relationships between countries or institutions.

Supplementary Table 1 types of documents published from January 1, 2020 to June 30, 2022.

Document Types	RC	Percentage %
Articles	149388	59.052
Letters	28124	11.117
Editorial Materials	25803	10.2
Meeting Abstracts	20925	8.272
Review Articles	20730	8.194
Early Access	13200	5.218
News Items	2875	1.136
Corrections	2473	0.978
Proceedings Papers	2425	0.959
Book Reviews	215	0.085
Data Papers	200	0.079
Book Chapters	120	0.047
Retractions	74	0.029
Reprints	16	0.006
Retracted Publications	15	0.006
Biographical-Items	12	0.005
Expression Of Concern	10	0.004
Item Withdrawal	10	0.004
Poetry	9	0.004
Withdrawn Publication	7	0.003
Publication With Expression Of Concern	5	0.002
Art Exhibit Reviews	2	0.001
Dance Performance Reviews	2	0.001
Hardware Reviews	1	0
TV Review, Radio Review Videos	1	0

Supplementary Table 2 Journals of publications on COVID-19.

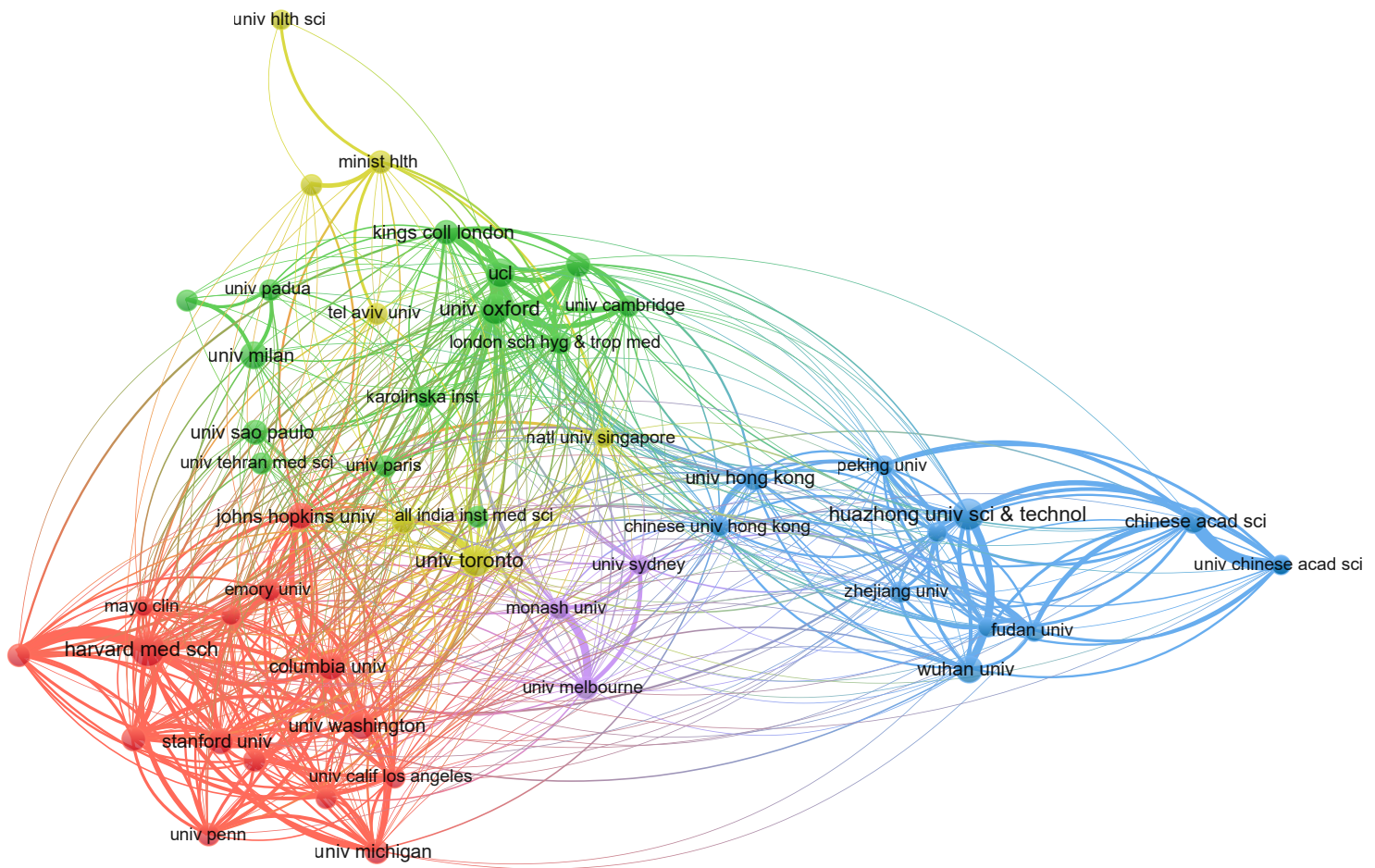
Journal	Number
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH	3462
PLOS ONE	2701
SCIENTIFIC REPORTS	1641
FRONTIERS IN PUBLIC HEALTH	1299
FRONTIERS IN PSYCHOLOGY	1254
SUSTAINABILITY	1217
VACCINES	1019
CUREUS JOURNAL OF MEDICAL SCIENCE	997
BMJ OPEN	970
JOURNAL OF CLINICAL MEDICINE	884

Supplementary Table 3. The top-10 most cited articles from January 1, 2020 to June 30, 2022 in the field of COVID-19.

Title	Date	TC	Journal	First author	DOI
Clinical Characteristics of Coronavirus Disease 2019 in China	Apr 2020	15160	N. Engl. J. Med.	Wei-Jie Guan	<a href="https://doi.org/10.1056/NEJMoa2002032">10.1056/NEJMoa2002032</a>
Clinical features of patients infected with 2019 novel coronavirus in Wuhan, China	Feb 2020	13819	Lancet	Chaolin Huang	<a href="https://doi.org/10.1016/S0140-6736(20)30183-5">10.1016/S0140-6736(20)30183-5</a>
Clinical course and risk factors for mortality of adult inpatients with COVID-19 in Wuhan, China: a retrospective cohort study	Mar 2020	13113	Lancet	Feihu Zhou	<a href="https://doi.org/10.1016/S0140-6736(20)30566-3">10.1016/S0140-6736(20)30566-3</a>
A Novel Coronavirus from Patients with Pneumonia in China, 2019	Feb 2020	12922	N. Engl. J. Med.	Na Zhu	<a href="https://doi.org/10.1056/NEJMoa2001017">10.1056/NEJMoa2001017</a>
Antibody Responses to SARS-CoV-2 in Patients with Novel Coronavirus Disease 2019	Oct 2020	10631	Clin. Infect. Dis.	Juanjuan Zhao	<a href="https://doi.org/10.1093/cid/ciaa344">10.1093/cid/ciaa344</a>
SARS-CoV-2 Cell Entry Depends on ACE2 and TMPRSS2 and Is Blocked by a Clinically Proven Protease Inhibitor	Apr 2020	8708	Cell	Markus Hoffmann	<a href="https://doi.org/10.1016/j.cell.2020.02.052">10.1016/j.cell.2020.02.052</a>
Clinical Characteristics of 138 Hospitalized Patients With 2019 Novel Coronavirus-Infected Pneumonia in Wuhan, China	Mar 2020	8040	JAMA	Dawei Wang	<a href="https://doi.org/10.1001/jama.2020.1585">10.1001/jama.2020.1585</a>
Epidemiological and clinical characteristics of 99 cases of 2019 novel coronavirus pneumonia in Wuhan, China: a descriptive study	Feb 2020	7464	Lancet	Nanshan Chen	<a href="https://doi.org/10.1016/S0140-6736(20)30211-7">10.1016/S0140-6736(20)30211-7</a>
Neurologic Manifestations of Hospitalized Patients with Coronavirus Disease 2019 in Wuhan, China	Jun 2020	7305	JAMA Neurol.	Lingna Mao	<a href="https://doi.org/10.1001/jamaneurol.2020.1127">10.1001/jamaneurol.2020.1127</a>
Genomic characterisation and epidemiology of 2019 novel coronavirus: implications for virus origins and receptor binding	Feb 2020	5820	Lancet	Roujian Lu	<a href="https://doi.org/10.1016/S0140-6736(20)30251-8">10.1016/S0140-6736(20)30251-8</a>

TC: total citations.

Supplementary Fig.1



Supplementary Fig.1 The collaboration network of the top 50 most productive institutions. The size of the node presents the number of articles published by an institution, and the width of the edge between the two nodes indicates the degree of cooperation between the two institutions. The institutes belonging to the same country or region are present by the same color.