

Supplementary Table 1. Data for authors involved in the top 100 most cited papers on AI and AF.

Author	year	freq	TC	TCpY
ATTIA ZI	2018	1	32	4/571
ATTIA ZI	2019	1	853	142/167
ATTIA ZI	2020	1	67	13/4
ATTIA ZI	2021	4	570	142/5
ATTIA ZI	2022	3	125	41/667
FRIEDMAN PA	2018	1	32	4/571
FRIEDMAN PA	2019	1	853	142/167
FRIEDMAN PA	2020	1	67	13/4
FRIEDMAN PA	2021	4	570	142/5
FRIEDMAN PA	2022	3	125	41/667
GERSH BJ	2019	1	853	142/167
GERSH BJ	2020	1	20	4
GERSH BJ	2021	2	59	14/75
GERSH BJ	2022	1	93	31
GOTO S	2020	2	40	8
GOTO S	2021	1	25	6/25
GOTO S	2022	1	12	4
KAPA S	2018	1	32	4/571
KAPA S	2019	1	853	142/167
KAPA S	2021	1	39	9/75
KAPA S	2022	1	18	6
LOPEZ-JIMENEZ F	2019	1	853	142/167

LOPEZ-JIMENEZ F	2021	1	39	9/75
LOPEZ-JIMENEZ F	2022	1	18	6
LOPEZ-JIMENEZ F	2023	1	24	12
NOSEWORTHY PA	2018	1	32	4/571
NOSEWORTHY PA	2019	1	853	142/167
NOSEWORTHY PA	2020	1	67	13/4
NOSEWORTHY PA	2021	4	465	116/25
NOSEWORTHY PA	2022	7	168	56
RABINSTEIN AA	2019	1	853	142/167
RABINSTEIN AA	2020	1	67	13/4
RABINSTEIN AA	2021	1	20	5
RABINSTEIN AA	2022	1	93	31
SIONTIS KC	2020	1	67	13/4
SIONTIS KC	2021	2	406	101/5
SIONTIS KC	2022	1	93	31
YAO X	2019	1	853	142/167
YAO X	2020	1	67	13/4
YAO X	2021	1	20	5
YAO X	2022	1	93	31

Supplementary Table 2. Data for universities involved in the top 100 most cited papers on AI and AF.

Affiliation	Year	Articles
MAYO CLINIC	2008	0
MAYO CLINIC	2016	0
MAYO CLINIC	2018	6
MAYO CLINIC	2019	16
MAYO CLINIC	2020	26
MAYO CLINIC	2021	42
MAYO CLINIC	2022	77
MAYO CLINIC	2023	83
MAYO CLINIC	2024	83
HARVARD MEDICAL SCHOOL	2008	0
HARVARD MEDICAL SCHOOL	2016	0
HARVARD MEDICAL SCHOOL	2018	0
HARVARD MEDICAL SCHOOL	2019	4
HARVARD MEDICAL SCHOOL	2020	6
HARVARD MEDICAL SCHOOL	2021	6
HARVARD MEDICAL SCHOOL	2022	12
HARVARD MEDICAL SCHOOL	2023	12
HARVARD MEDICAL SCHOOL	2024	12
MAYO CLINIC COLLEGE OF MEDICINE	2008	0
MAYO CLINIC COLLEGE OF MEDICINE	2016	0
MAYO CLINIC COLLEGE OF MEDICINE	2018	0
MAYO CLINIC COLLEGE OF MEDICINE	2019	0
MAYO CLINIC COLLEGE OF MEDICINE	2020	1
MAYO CLINIC COLLEGE OF MEDICINE	2021	12
MAYO CLINIC COLLEGE OF MEDICINE	2022	12
MAYO CLINIC COLLEGE OF MEDICINE	2023	12

MAYO CLINIC COLLEGE OF MEDICINE	2024	12
UNIVERSITY AT BUFFALO	2008	0
UNIVERSITY AT BUFFALO	2016	0
UNIVERSITY AT BUFFALO	2018	0
UNIVERSITY AT BUFFALO	2019	0
UNIVERSITY AT BUFFALO	2020	0
UNIVERSITY AT BUFFALO	2021	11
UNIVERSITY AT BUFFALO	2022	11
UNIVERSITY AT BUFFALO	2023	11
UNIVERSITY AT BUFFALO	2024	11
UNIVERSITY COLLEGE LONDON	2008	0
UNIVERSITY COLLEGE LONDON	2016	0
UNIVERSITY COLLEGE LONDON	2018	0
UNIVERSITY COLLEGE LONDON	2019	0
UNIVERSITY COLLEGE LONDON	2020	0
UNIVERSITY COLLEGE LONDON	2021	12
UNIVERSITY COLLEGE LONDON	2022	12
UNIVERSITY COLLEGE LONDON	2023	12
UNIVERSITY COLLEGE LONDON	2024	12
UNIVERSITY OF BIRMINGHAM	2008	0
UNIVERSITY OF BIRMINGHAM	2016	0
UNIVERSITY OF BIRMINGHAM	2018	0
UNIVERSITY OF BIRMINGHAM	2019	0
UNIVERSITY OF BIRMINGHAM	2020	0
UNIVERSITY OF BIRMINGHAM	2021	11
UNIVERSITY OF BIRMINGHAM	2022	11
UNIVERSITY OF BIRMINGHAM	2023	12
UNIVERSITY OF BIRMINGHAM	2024	12
YONSEI UNIVERSITY HEALTH SYSTEM	2008	0
YONSEI UNIVERSITY HEALTH SYSTEM	2016	0

YONSEI UNIVERSITY HEALTH SYSTEM	2018	0
YONSEI UNIVERSITY HEALTH SYSTEM	2019	0
YONSEI UNIVERSITY HEALTH SYSTEM	2020	0
YONSEI UNIVERSITY HEALTH SYSTEM	2021	10
YONSEI UNIVERSITY HEALTH SYSTEM	2022	10
YONSEI UNIVERSITY HEALTH SYSTEM	2023	10
YONSEI UNIVERSITY HEALTH SYSTEM	2024	10
ALBERT EINSTEIN COLLEGE OF MEDICINE	2008	0
ALBERT EINSTEIN COLLEGE OF MEDICINE	2016	0
ALBERT EINSTEIN COLLEGE OF MEDICINE	2018	0
ALBERT EINSTEIN COLLEGE OF MEDICINE	2019	0
ALBERT EINSTEIN COLLEGE OF MEDICINE	2020	0
ALBERT EINSTEIN COLLEGE OF MEDICINE	2021	0
ALBERT EINSTEIN COLLEGE OF MEDICINE	2022	10
ALBERT EINSTEIN COLLEGE OF MEDICINE	2023	10
ALBERT EINSTEIN COLLEGE OF MEDICINE	2024	10
GUANGDONG CARDIOVASCULAR INSTITUTE	2008	0
GUANGDONG CARDIOVASCULAR INSTITUTE	2016	0
GUANGDONG CARDIOVASCULAR INSTITUTE	2018	0
GUANGDONG CARDIOVASCULAR INSTITUTE	2019	0
GUANGDONG CARDIOVASCULAR INSTITUTE	2020	0
GUANGDONG CARDIOVASCULAR INSTITUTE	2021	0
GUANGDONG CARDIOVASCULAR INSTITUTE	2022	9
GUANGDONG CARDIOVASCULAR INSTITUTE	2023	17
GUANGDONG CARDIOVASCULAR INSTITUTE	2024	17
MEDICAL UNIVERSITY OF SOUTH CAROLINA	2008	0
MEDICAL UNIVERSITY OF SOUTH CAROLINA	2016	0
MEDICAL UNIVERSITY OF SOUTH CAROLINA	2018	0
MEDICAL UNIVERSITY OF SOUTH CAROLINA	2019	0
MEDICAL UNIVERSITY OF SOUTH CAROLINA	2020	0

MEDICAL UNIVERSITY OF SOUTH CAROLINA	2021	0
MEDICAL UNIVERSITY OF SOUTH CAROLINA	2022	15
MEDICAL UNIVERSITY OF SOUTH CAROLINA	2023	15
MEDICAL UNIVERSITY OF SOUTH CAROLINA	2024	15

Supplementary Table 3. Data for countries involved in the top 100 most cited papers on AI and AF

Country	Year	Articles
UNITED KINGDOM	1994	3
UNITED KINGDOM	2016	3
UNITED KINGDOM	2018	3
UNITED KINGDOM	2019	3
UNITED KINGDOM	2020	10
UNITED KINGDOM	2021	67
UNITED KINGDOM	2022	72
UNITED KINGDOM	2023	93
UNITED KINGDOM	2024	93
FRANCE	1994	0
FRANCE	2016	13
FRANCE	2018	13
FRANCE	2019	13
FRANCE	2020	14
FRANCE	2021	19
FRANCE	2022	61
FRANCE	2023	65
FRANCE	2024	65
USA	1994	0
USA	2016	0
USA	2018	7
USA	2019	23
USA	2020	54
USA	2021	142
USA	2022	283
USA	2023	324

USA	2024	324
AUSTRALIA	1994	0
AUSTRALIA	2016	0
AUSTRALIA	2018	0
AUSTRALIA	2019	7
AUSTRALIA	2020	9
AUSTRALIA	2021	13
AUSTRALIA	2022	16
AUSTRALIA	2023	17
AUSTRALIA	2024	17
CHINA	1994	0
CHINA	2016	0
CHINA	2018	0
CHINA	2019	1
CHINA	2020	13
CHINA	2021	60
CHINA	2022	77
CHINA	2023	89
CHINA	2024	89
TURKEY	1994	0
TURKEY	2016	0
TURKEY	2018	0
TURKEY	2019	7
TURKEY	2020	8
TURKEY	2021	15
TURKEY	2022	15
TURKEY	2023	15
TURKEY	2024	15
GERMANY	1994	0
GERMANY	2016	0

GERMANY	2018	0
GERMANY	2019	0
GERMANY	2020	4
GERMANY	2021	9
GERMANY	2022	19
GERMANY	2023	53
GERMANY	2024	53
JAPAN	1994	0
JAPAN	2016	0
JAPAN	2018	0
JAPAN	2019	0
JAPAN	2020	2
JAPAN	2021	13
JAPAN	2022	34
JAPAN	2023	43
JAPAN	2024	43
ITALY	1994	0
ITALY	2016	0
ITALY	2018	0
ITALY	2019	0
ITALY	2020	0
ITALY	2021	10
ITALY	2022	14
ITALY	2023	15
ITALY	2024	15
KOREA	1994	0
KOREA	2016	0
KOREA	2018	0
KOREA	2019	0
KOREA	2020	0

KOREA	2021	26
KOREA	2022	32
KOREA	2023	32
KOREA	2024	32
SPAIN	1994	0
SPAIN	2016	0
SPAIN	2018	0
SPAIN	2019	0
SPAIN	2020	0
SPAIN	2021	10
SPAIN	2022	13
SPAIN	2023	18
SPAIN	2024	18