

# Seth R Flaxman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3581856/publications.pdf>

Version: 2024-02-01

64  
papers

39,389  
citations

136950

32  
h-index

114465

63  
g-index

91  
all docs

91  
docs citations

91  
times ranked

63719  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparative risk assessment of burden of disease and injury attributable to 67 risk factors and risk factor clusters in 21 regions, 1990–2010: a systematic analysis for the Global Burden of Disease Study 2010. <i>Lancet, The</i> , 2012, 380, 2224-2260.	13.7	9,397
2	Disability-adjusted life years (DALYs) for 291 diseases and injuries in 21 regions, 1990–2010: a systematic analysis for the Global Burden of Disease Study 2010. <i>Lancet, The</i> , 2012, 380, 2197-2223.	13.7	7,061
3	Years lived with disability (YLDs) for 1160 sequelae of 289 diseases and injuries 1990–2010: a systematic analysis for the Global Burden of Disease Study 2010. <i>Lancet, The</i> , 2012, 380, 2163-2196.	13.7	6,376
4	Estimating the effects of non-pharmaceutical interventions on COVID-19 in Europe. <i>Nature</i> , 2020, 584, 257-261.	27.8	2,558
5	The State of US Health, 1990-2010. <i>JAMA - Journal of the American Medical Association</i> , 2013, 310, 591.	7.4	2,070
6	Global causes of blindness and distance vision impairment 1990–2020: a systematic review and meta-analysis. <i>The Lancet Global Health</i> , 2017, 5, e1221-e1234.	6.3	2,053
7	Genomics and epidemiology of the P.1 SARS-CoV-2 lineage in Manaus, Brazil. <i>Science</i> , 2021, 372, 815-821.	12.6	1,125
8	Filter Bubbles, Echo Chambers, and Online News Consumption. <i>Public Opinion Quarterly</i> , 2016, 80, 298-320.	1.6	1,045
9	SARS-CoV-2 B.1.617.2 Delta variant replication and immune evasion. <i>Nature</i> , 2021, 599, 114-119.	27.8	1,041
10	Assessing transmissibility of SARS-CoV-2 lineage B.1.1.7 in England. <i>Nature</i> , 2021, 593, 266-269.	27.8	1,001
11	Comparative analysis of the risks of hospitalisation and death associated with SARS-CoV-2 omicron (B.1.1.529) and delta (B.1.617.2) variants in England: a cohort study. <i>Lancet, The</i> , 2022, 399, 1303-1312.	13.7	889
12	Suppression of a SARS-CoV-2 outbreak in the Italian municipality of Vo–™. <i>Nature</i> , 2020, 584, 425-429.	27.8	872
13	Age groups that sustain resurging COVID-19 epidemics in the United States. <i>Science</i> , 2021, 371, .	12.6	239
14	Genomic characterization and epidemiology of an emerging SARS-CoV-2 variant in Delhi, India. <i>Science</i> , 2021, 374, 995-999.	12.6	230
15	Prevalence and causes of vision loss in high-income countries and in Eastern and Central Europe in 2015: magnitude, temporal trends and projections. <i>British Journal of Ophthalmology</i> , 2018, 102, 575-585.	3.9	211
16	Global minimum estimates of children affected by COVID-19-associated orphanhood and deaths of caregivers: a modelling study. <i>Lancet, The</i> , 2021, 398, 391-402.	13.7	172
17	Comparison of molecular testing strategies for COVID-19 control: a mathematical modelling study. <i>Lancet Infectious Diseases, The</i> , 2020, 20, 1381-1389.	9.1	171
18	Understanding the effectiveness of government interventions against the resurgence of COVID-19 in Europe. <i>Nature Communications</i> , 2021, 12, 5820.	12.8	135

#	ARTICLE	IF	CITATIONS
19	COVID-19-associated Orphanhood and Caregiver Death in the United States. <i>Pediatrics</i> , 2021, 148, .	2.1	129
20	Mapping changes in housing in sub-Saharan Africa from 2000 to 2015. <i>Nature</i> , 2019, 568, 391-394.	27.8	124
21	National, regional, and global estimates of anaemia by severity in women and children for 2000-19: a pooled analysis of population-representative data. <i>The Lancet Global Health</i> , 2022, 10, e627-e639.	6.3	121
22	Unrepresentative big surveys significantly overestimated US vaccine uptake. <i>Nature</i> , 2021, 600, 695-700.	27.8	120
23	Changing composition of SARS-CoV-2 lineages and rise of Delta variant in England. <i>EClinicalMedicine</i> , 2021, 39, 101064.	7.1	116
24	State-level tracking of COVID-19 in the United States. <i>Nature Communications</i> , 2020, 11, 6189.	12.8	104
25	Track Omicron's spread with molecular data. <i>Science</i> , 2021, 374, 1454-1455.	12.6	103
26	Temperature and population density influence SARS-CoV-2 transmission in the absence of nonpharmaceutical interventions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	95
27	Have deaths from COVID-19 in Europe plateaued due to herd immunity?. <i>Lancet, The</i> , 2020, 395, e110-e111.	13.7	70
28	Quantifying Online News Media Coverage of the COVID-19 Pandemic: Text Mining Study and Resource. <i>Journal of Medical Internet Research</i> , 2021, 23, e28253.	4.3	60
29	Is Gun Violence Contagious? A Spatiotemporal Test. <i>Journal of Quantitative Criminology</i> , 2018, 34, 999-1017.	2.9	59
30	Is the cure really worse than the disease? The health impacts of lockdowns during COVID-19. <i>BMJ Global Health</i> , 2021, 6, e006653.	4.7	51
31	Global, regional, and national minimum estimates of children affected by COVID-19-associated orphanhood and caregiver death, by age and family circumstance up to Oct 31, 2021: an updated modelling study. <i>The Lancet Child and Adolescent Health</i> , 2022, 6, 249-259.	5.6	46
32	Prevalence and causes of blindness and vision impairment: magnitude, temporal trends and projections in South and Central Asia. <i>British Journal of Ophthalmology</i> , 2019, 103, 871-877.	3.9	44
33	Life expectancy and risk of death in 6791 communities in England from 2002 to 2019: high-resolution spatiotemporal analysis of civil registration data. <i>Lancet Public Health, The</i> , 2021, 6, e805-e816.	10.0	42
34	Prevalence and causes of vision loss in East Asia in 2015: magnitude, temporal trends and projections. <i>British Journal of Ophthalmology</i> , 2020, 104, 616-622.	3.9	36
35	Inference of COVID-19 epidemiological distributions from Brazilian hospital data. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20200596.	3.4	32
36	Prevalence and causes of vision loss in sub-Saharan Africa in 2015: magnitude, temporal trends and projections. <i>British Journal of Ophthalmology</i> , 2020, 104, 1658-1668.	3.9	32

#	ARTICLE	IF	CITATIONS
37	Multimodal deep learning from satellite and street-level imagery for measuring income, overcrowding, and environmental deprivation in urban areas. <i>Remote Sensing of Environment</i> , 2021, 257, 112339.	11.0	32
38	Vaccinating adolescents against SARS-CoV-2 in England: a risk-benefit analysis. <i>Journal of the Royal Society of Medicine</i> , 2021, 114, 513-524.	2.0	32
39	Spatial mapping with Gaussian processes and nonstationary Fourier features. <i>Spatial Statistics</i> , 2018, 28, 59-78.	1.9	29
40	The association between mechanical ventilator compatible bed occupancy and mortality risk in intensive care patients with COVID-19: a national retrospective cohort study. <i>BMC Medicine</i> , 2021, 19, 213.	5.5	28
41	Scalable high-resolution forecasting of sparse spatiotemporal events with kernel methods: A winning solution to the NIJ "Real-Time Crime Forecasting Challenge". <i>Annals of Applied Statistics</i> , 2019, 13, .	1.1	28
42	A unified machine learning approach to time series forecasting applied to demand at emergency departments. <i>BMC Emergency Medicine</i> , 2021, 21, 9.	1.9	26
43	Comparing the responses of the UK, Sweden and Denmark to COVID-19 using counterfactual modelling. <i>Scientific Reports</i> , 2021, 11, 16342.	3.3	26
44	Spatial and temporal fluctuations in COVID-19 fatality rates in Brazilian hospitals. <i>Nature Medicine</i> , 2022, 28, 1476-1485.	30.7	24
45	Prevalence and causes of vision loss in South-east Asia and Oceania in 2015: magnitude, temporal trends and projections. <i>British Journal of Ophthalmology</i> , 2019, 103, 878-884.	3.9	23
46	Prevalence and causes of vision loss in North Africa and Middle East in 2015: magnitude, temporal trends and projections. <i>British Journal of Ophthalmology</i> , 2019, 103, 863-870.	3.9	23
47	Prevalence and causes of vision loss in Latin America and the Caribbean in 2015: magnitude, temporal trends and projections. <i>British Journal of Ophthalmology</i> , 2019, 103, 885-893.	3.9	16
48	The impact of the COVID-19 pandemic on patterns of attendance at emergency departments in two large London hospitals: an observational study. <i>BMC Health Services Research</i> , 2021, 21, 1008.	2.2	15
49	Convolutional neural networks for reconstruction of undersampled optical projection tomography data applied to in vivo imaging of zebrafish. <i>Journal of Biophotonics</i> , 2019, 12, e201900128.	2.3	13
50	Modelling the impact of the tier system on SARS-CoV-2 transmission in the UK between the first and second national lockdowns. <i>BMJ Open</i> , 2021, 11, e050346.	1.9	13
51	Database of epidemic trends and control measures during the first wave of COVID-19 in mainland China. <i>International Journal of Infectious Diseases</i> , 2021, 102, 463-471.	3.3	12
52	Improving axial resolution in Structured Illumination Microscopy using deep learning. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20200298.	3.4	10
53	Robust deep learning optical autofocus system applied to automated multiwell plate single molecule localization microscopy. <i>Journal of Microscopy</i> , 2022, 288, 130-141.	1.8	10
54	Long COVID in children. <i>The Lancet Child and Adolescent Health</i> , 2022, 6, e2.	5.6	10

#	ARTICLE	IF	CITATIONS
55	Implications of a highly transmissible variant of SARS-CoV-2 for children. Archives of Disease in Childhood, 2021, 106, e37-e37.	1.9	8
56	Using Hawkes Processes to model imported and local malaria cases in near-elimination settings. PLoS Computational Biology, 2021, 17, e1008830.	3.2	8
57	Reply to: The effect of interventions on COVID-19. Nature, 2020, 588, E29-E32.	27.8	7
58	Scalable Bayesian inference for self-excitatory stochastic processes applied to big American gunfire data. Statistics and Computing, 2021, 31, 1.	1.5	7
59	A dataset of non-pharmaceutical interventions on SARS-CoV-2 in Europe. Scientific Data, 2022, 9, 145.	5.3	7
60	PriorVAE: encoding spatial priors with variational autoencoders for small-area estimation. Journal of the Royal Society Interface, 2022, 19, .	3.4	4
61	Modelling and forecasting art movements with CGANs. Royal Society Open Science, 2020, 7, 191569.	2.4	3
62	Host or pathogen-related factors in COVID-19 severity? Authors' reply. Lancet, The, 2020, 396, 1397.	13.7	3
63	The change in life expectancy inequality in London. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
64	Bayesian Kernel Two-Sample Testing. Journal of Computational and Graphical Statistics, 0, , 1-24.	1.7	0