Seth R Flaxman

List of Publications by Year
in descending order

64 papers	39,389 citations	136740 32 h-index	114278 63 g-index
91 all docs	91 docs citations	91 times ranked	63719 citing authors

#	Article	IF	Citations
1	Robust deep learning optical autofocus system applied to automated multiwell plate single molecule localization microscopy. Journal of Microscopy, 2022, 288, 130-141.	0.8	10
2	Long COVID in children. The Lancet Child and Adolescent Health, 2022, 6, e2.	2.7	10
3	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. Lancet, The, 2022, 399, 1303-1312.	6.3	889
4	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. The Lancet Child and Adolescent Health, 2022, 6, 249-259.	2.7	46
5	A dataset of non-pharmaceutical interventions on SARS-CoV-2 in Europe. Scientific Data, 2022, 9, 145.	2.4	7
6	National, regional, and global estimates of anaemia by severity in women and children for 2000â€“19: a pooled analysis of population-representative data. The Lancet Global Health, 2022, 10, e627-e639.	2.9	121
7	Spatial and temporal fluctuations in COVID-19 fatality rates in Brazilian hospitals. Nature Medicine, 2022, 28, 1476-1485.	15.2	24
8	PriorVAE: encoding spatial priors with variational autoencoders for small-area estimation. Journal of the Royal Society Interface, 2022, 19, .	1.5	4
9	Database of epidemic trends and control measures during the first wave of COVID-19 in mainland China. International Journal of Infectious Diseases, 2021, 102, 463-471.	1.5	12
10	A unified machine learning approach to time series forecasting applied to demand at emergency departments. BMC Emergency Medicine, 2021, 21, 9.	0.7	26
11	Implications of a highly transmissible variant of SARS-CoV-2 for children. Archives of Disease in Childhood, 2021, 106, e37-e37.	1.0	8
12	Assessing transmissibility of SARS-CoV-2 lineage B.1.1.7 in England. Nature, 2021, 593, 266-269.	13.7	1,001
13	Age groups that sustain resurging COVID-19 epidemics in the United States. Science, 2021, 371, .	6.0	239
14	Improving axial resolution in Structured Illumination Microscopy using deep learning. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200298.	1.6	10
15	Using Hawkes Processes to model imported and local malaria cases in near-elimination settings. PLoS Computational Biology, 2021, 17, e1008830.	1.5	8
16	Modelling the impact of the tier system on SARS-CoV-2 transmission in the UK between the first and second national lockdowns. BMJ Open, 2021, 11, e050346.	0.8	13
17	Genomics and epidemiology of the P.1 SARS-CoV-2 lineage in Manaus, Brazil. Science, 2021, 372, 815-821.	6.0	1,125
18	Multimodal deep learning from satellite and street-level imagery for measuring income, overcrowding, and environmental deprivation in urban areas. Remote Sensing of Environment, 2021, 257, 112339.	4.6	32

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19	Quantifying Online News Media Coverage of the COVID-19 Pandemic: Text Mining Study and Resource. Journal of Medical Internet Research, 2021, 23, e28253.	2.1	60
20	Temperature and population density influence SARS-CoV-2 transmission in the absence of nonpharmaceutical interventions. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	95
21	Is the cure really worse than the disease? The health impacts of lockdowns during COVID-19. BMJ Global Health, 2021, 6, e006653.	2.0	51
22	Global minimum estimates of children affected by COVID-19-associated orphanhood and deaths of caregivers: a modelling study. Lancet, The, 2021, 398, 391-402.	6.3	172
23	The association between mechanical ventilator compatible bed occupancy and mortality risk in intensive care patients with COVID-19: a national retrospective cohort study. BMC Medicine, 2021, 19, 213.	2.3	28
24	Comparing the responses of the UK, Sweden and Denmark to COVID-19 using counterfactual modelling. Scientific Reports, 2021, 11, 16342.	1.6	26
25	The change in life expectancy inequality in London. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
26	SARS-CoV-2 B.1.617.2 Delta variant replication and immune evasion. Nature, 2021, 599, 114-119.	13.7	1,041
27	Changing composition of SARS-CoV-2 lineages and rise of Delta variant in England. EClinicalMedicine, 2021, 39, 101064.	3.2	116
28	The impact of the COVID-19 pandemic on patterns of attendance at emergency departments in two large London hospitals: an observational study. BMC Health Services Research, 2021, 21, 1008.	0.9	15
29	Scalable Bayesian inference for self-excitatory stochastic processes applied to big American gunfire data. Statistics and Computing, 2021, 31, 1.	0.8	7
30	Life expectancy and risk of death in 6791 communities in England from 2002 to 2019: high-resolution spatiotemporal analysis of civil registration data. Lancet Public Health, The, 2021, 6, e805-e816.	4.7	42
31	Genomic characterization and epidemiology of an emerging SARS-CoV-2 variant in Delhi, India. Science, 2021, 374, 995-999.	6.0	230
32	COVID-19â€“Associated Orphanhood andÂCaregiver Death in the UnitedÂStates. Pediatrics, 2021, 148, .	1.0	129
33	Understanding the effectiveness of government interventions against the resurgence of COVID-19 in Europe. Nature Communications, 2021, 12, 5820.	5.8	135
34	Vaccinating adolescents against SARS-CoV-2 in England: a riskâ€“benefit analysis. Journal of the Royal Society of Medicine, 2021, 114, 513-524.	1.1	32
35	Unrepresentative big surveys significantly overestimated US vaccine uptake. Nature, 2021, 600, 695-700.	13.7	120
36	Track Omicronâ€™s spread with molecular data. Science, 2021, 374, 1454-1455.	6.0	103

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37	Prevalence and causes of vision loss in East Asia in 2015: magnitude, temporal trends and projections. British Journal of Ophthalmology, 2020, 104, 616-622.	2.1	36
38	Modelling and forecasting art movements with CGANs. Royal Society Open Science, 2020, 7, 191569.	1.1	3
39	Inference of COVID-19 epidemiological distributions from Brazilian hospital data. Journal of the Royal Society Interface, 2020, 17, 20200596.	1.5	32
40	State-level tracking of COVID-19 in the United States. Nature Communications, 2020, 11, 6189.	5.8	104
41	Suppression of a SARS-CoV-2 outbreak in the Italian municipality of Voâ€™. Nature, 2020, 584, 425-429.	13.7	872
42	Comparison of molecular testing strategies for COVID-19 control: a mathematical modelling study. Lancet Infectious Diseases, The, 2020, 20, 1381-1389.	4.6	171
43	Reply to: The effect of interventions on COVID-19. Nature, 2020, 588, E29-E32.	13.7	7
44	Host or pathogen-related factors in COVID-19 severity? â€“ Authors' reply. Lancet, The, 2020, 396, 1397.	6.3	3
45	Have deaths from COVID-19 in Europe plateaued due to herd immunity?. Lancet, The, 2020, 395, e110-e111.	6.3	70
46	Prevalence and causes of vision loss in sub-Saharan Africa in 2015: magnitude, temporal trends and projections. British Journal of Ophthalmology, 2020, 104, 1658-1668.	2.1	32
47	Estimating the effects of non-pharmaceutical interventions on COVID-19 in Europe. Nature, 2020, 584, 257-261.	13.7	2,558
48	Convolutional neural networks for reconstruction of undersampled optical projection tomography data applied to in vivo imaging of zebrafish. Journal of Biophotonics, 2019, 12, e201900128.	1.1	13
49	Mapping changes in housing in sub-Saharan Africa from 2000 to 2015. Nature, 2019, 568, 391-394.	13.7	124
50	Prevalence and causes of vision loss in Latin America and the Caribbean in 2015: magnitude, temporal trends and projections. British Journal of Ophthalmology, 2019, 103, 885-893.	2.1	16
51	Prevalence and causes of visionÂloss in South-east Asia and Oceania in 2015: magnitude, temporal trends and projections. British Journal of Ophthalmology, 2019, 103, 878-884.	2.1	23
52	Prevalence and causes of vision loss in North Africa and MiddleÂEast in 2015: magnitude, temporal trends and projections. British Journal of Ophthalmology, 2019, 103, 863-870.	2.1	23
53	Prevalence and causes of blindness and vision impairment: magnitude, temporal trends and projections in South and Central Asia. British Journal of Ophthalmology, 2019, 103, 871-877.	2.1	44
54	Scalable high-resolution forecasting of sparse spatiotemporal events with kernel methods: A winning solution to the NIJ â€œReal-Time Crime Forecasting Challengeâ€• Annals of Applied Statistics, 2019, 13, .	0.5	28

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55	Prevalence and causes of vision loss in high-income countries and in Eastern and Central Europe in 2015: magnitude, temporal trends and projections. British Journal of Ophthalmology, 2018, 102, 575-585.	2.1	211
56	Is Gun Violence Contagious? A Spatiotemporal Test. Journal of Quantitative Criminology, 2018, 34, 999-1017.	2.0	59
57	Spatial mapping with Gaussian processes and nonstationary Fourier features. Spatial Statistics, 2018, 28, 59-78.	0.9	29
58	Global causes of blindness and distance vision impairment 1990â€“2020: a systematic review and meta-analysis. The Lancet Global Health, 2017, 5, e1221-e1234.	2.9	2,053
59	Filter Bubbles, Echo Chambers, and Online News Consumption. Public Opinion Quarterly, 2016, 80, 298-320.	0.9	1,045
60	The State of US Health, 1990-2010. JAMA - Journal of the American Medical Association, 2013, 310, 591.	3.8	2,070
61	Disability-adjusted life years (DALYs) for 291 diseases and injuries in 21 regions, 1990â€“2010: a systematic analysis for the Global Burden of Disease Study 2010. Lancet, The, 2012, 380, 2197-2223.	6.3	7,061
62	Years lived with disability (YLDs) for 1160 sequelae of 289 diseases and injuries 1990â€“2010: a systematic analysis for the Global Burden of Disease Study 2010. Lancet, The, 2012, 380, 2163-2196.	6.3	6,376
63	A comparative risk assessment of burden of disease and injury attributable to 67 risk factors and risk factor clusters in 21 regions, 1990â€“2010: a systematic analysis for the Global Burden of Disease Study 2010. Lancet, The, 2012, 380, 2224-2260.	6.3	9,397
64	Bayesian Kernel Two-Sample Testing. Journal of Computational and Graphical Statistics, 0, , 1-24.	0.9	0