Adam J Kucharski

List of Publications by Year
in descending order

122 papers	17,050 citations	66234 42 h-index	30010 103 g-index
158 all docs	158 docs citations	158 times ranked	24104 citing authors

#	Article	IF	Citations
1	Estimated transmissibility and impact of SARS-CoV-2 lineage B.1.1.7 in England. Science, 2021, 372, .	6.0	2,103
2	Feasibility of controlling COVID-19 outbreaks by isolation of cases and contacts. The Lancet Global Health, 2020, 8, e488-e496.	2.9	2,067
3	Early dynamics of transmission and control of COVID-19: a mathematical modelling study. Lancet Infectious Diseases, The, 2020, 20, 553-558.	4.6	1,999
4	The effect of control strategies to reduce social mixing on outcomes of the COVID-19 epidemic in Wuhan, China: a modelling study. Lancet Public Health, The, 2020, 5, e261-e270.	4.7	1,600
5	Effects of non-pharmaceutical interventions on COVID-19 cases, deaths, and demand for hospital services in the UK: a modelling study. Lancet Public Health, The, 2020, 5, e375-e385.	4.7	730
6	Resurgence of COVID-19 in Manaus, Brazil, despite high seroprevalence. Lancet, The, 2021, 397, 452-455.	6.3	720
7	Effectiveness of isolation, testing, contact tracing, and physical distancing on reducing transmission of SARS-CoV-2 in different settings: a mathematical modelling study. Lancet Infectious Diseases, The, 2020, 20, 1151-1160.	4.6	710
8	Estimating the overdispersion in COVID-19 transmission using outbreak sizes outside China. Wellcome Open Research, 2020, 5, 67.	0.9	539
9	Estimating the infection and case fatality ratio for coronavirus disease (COVID-19) using age-adjusted data from the outbreak on the Diamond Princess cruise ship, February 2020. Eurosurveillance, 2020, 25, .	3.9	389
10	Secondary attack rate and superspreading events for SARS-CoV-2. Lancet, The, 2020, 395, e47.	6.3	315
11	Estimated effectiveness of symptom and risk screening to prevent the spread of COVID-19. ELife, 2020, 9, .	2.8	307
12	Estimating the overdispersion in COVID-19 transmission using outbreak sizes outside China. Wellcome Open Research, 2020, 5, 67.	0.9	265
13	Transmission Dynamics of Zika Virus in Island Populations: A Modelling Analysis of the 2013â€"14 French Polynesia Outbreak. PLoS Neglected Tropical Diseases, 2016, 10, e0004726.	1.3	217
14	Using a real-world network to model localized COVID-19 control strategies. Nature Medicine, 2020, 26, 1616-1622.	15.2	191
15	High Zika Virus Seroprevalence in Salvador, Northeastern Brazil Limits the Potential for Further Outbreaks. MBio, 2017, 8, .	1.8	183
16	Quarantine and testing strategies in contact tracing for SARS-CoV-2: a modelling study. Lancet Public Health, The, 2021, 6, e175-e183.	4.7	156
17	Effect of internationally imported cases on internal spread of COVID-19: a mathematical modelling study. Lancet Public Health, The, 2021, 6, e12-e20.	4.7	153
18	Estimating the Life Course of Influenza A(H3N2) Antibody Responses from Cross-Sectional Data. PLoS Biology, 2015, 13, e1002082.	2.6	129

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19	Reconstructing the early global dynamics of under-ascertained COVID-19 cases and infections. BMC Medicine, 2020, 18, 332.	2.3	129
20	Potential for large outbreaks of Ebola virus disease. Epidemics, 2014, 9, 70-78.	1.5	128
21	Estimating the time-varying reproduction number of SARS-CoV-2 using national and subnational case counts. Wellcome Open Research, 0, 5, 112.	0.9	117
22	Estimating the effectiveness of routine asymptomatic PCR testing at different frequencies for the detection of SARS-CoV-2 infections. BMC Medicine, 2021, 19, 106.	2.3	105
23	Study epidemiology of fake news. Nature, 2016, 540, 525-525.	13.7	102
24	Real-time forecasting of infectious disease dynamics with a stochastic semi-mechanistic model. Epidemics, 2018, 22, 56-61.	1.5	98
25	Case fatality rate for Ebola virus disease in west Africa. Lancet, The, 2014, 384, 1260.	6.3	94
26	Temporal Changes in Ebola Transmission in Sierra Leone and Implications for Control Requirements: a Real-time Modelling Study. PLOS Currents, 2015, 7, .	1.4	94
27	Measuring the impact of Ebola control measures in Sierra Leone. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14366-14371.	3.3	93
28	Changing travel patterns in China during the early stages of the COVID-19 pandemic. Nature Communications, 2020, 11, 5012.	5.8	86
29	The Contribution of Social Behaviour to the Transmission of Influenza A in a Human Population. PLoS Pathogens, 2014, 10, e1004206.	2.1	84
30	Effectiveness of Ring Vaccination as Control Strategy for Ebola Virus Disease. Emerging Infectious Diseases, 2016, 22, 105-108.	2.0	83
31	Ring vaccination with rVSV-ZEBOV under expanded access in response to an outbreak of Ebola virus disease in Guinea, 2016: an operational and vaccine safety report. Lancet Infectious Diseases, The, 2017, 17, 1276-1284.	4.6	79
32	Assessing the performance of real-time epidemic forecasts: A case study of Ebola in the Western Area region of Sierra Leone, 2014-15. PLoS Computational Biology, 2019, 15, e1006785.	1.5	74
33	Time to evaluate COVID-19 contact-tracing apps. Nature Medicine, 2021, 27, 361-362.	15.2	71
34	Comparative Analysis of Dengue and Zika Outbreaks Reveals Differences by Setting and Virus. PLoS Neglected Tropical Diseases, 2016, 10, e0005173.	1.3	70
35	The contribution of asymptomatic SARS-CoV-2 infections to transmission on the Diamond Princess cruise ship. ELife, 2020, 9, .	2.8	70
36	Capturing the dynamics of pathogens with many strains. Journal of Mathematical Biology, 2016, 72, 1-24.	0.8	69

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37	The impact of control strategies and behavioural changes on the elimination of Ebola from Lofa County, Liberia. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160302.	1.8	66
38	Response strategies for COVID-19 epidemics in African settings: a mathematical modelling study. BMC Medicine, 2020, 18, 324.	2.3	66
39	Implication of backward contact tracing in the presence of overdispersed transmission in COVID-19 outbreaks. Wellcome Open Research, 2020, 5, 239.	0.9	62
40	Ebola virus disease in the Democratic Republic of the Congo, 1976-2014. ELife, 2015, 4, .	2.8	61
41	Implication of backward contact tracing in the presence of overdispersed transmission in COVID-19 outbreaks. Wellcome Open Research, 2020, 5, 239.	0.9	61
42	Infodemics: A new challenge for public health. Cell, 2021, 184, 6010-6014.	13.5	56
43	Low risk of a sexually-transmitted Zika virus outbreak. Lancet Infectious Diseases, The, 2016, 16, 1100-1102.	4.6	55
44	Evaluation of the Benefits and Risks of Introducing Ebola Community Care Centers, Sierra Leone. Emerging Infectious Diseases, 2015, 21, 393-399.	2.0	54
45	Projecting the end of the Zika virus epidemic in Latin America: a modelling analysis. BMC Medicine, 2018, 16, 180.	2.3	53
46	Serial intervals in SARS-CoV-2 B.1.617.2 variant cases. Lancet, The, 2021, 398, 837-838.	6.3	52
47	Effectiveness of traveller screening for emerging pathogens is shaped by epidemiology and natural history of infection. ELife, 2015, 4, .	2.8	49
48	Timescales of influenza A/H3N2 antibody dynamics. PLoS Biology, 2018, 16, e2004974.	2.6	46
49	Estimating the burden of dengue and the impact of release of wMel Wolbachia-infected mosquitoes in Indonesia: a modelling study. BMC Medicine, 2019, 17, 172.	2.3	38
50	Real-time analysis of the diphtheria outbreak in forcibly displaced Myanmar nationals in Bangladesh. BMC Medicine, 2019, 17, 58.	2.3	37
51	The effectiveness of social bubbles as part of a Covid-19 lockdown exit strategy, a modelling study. Wellcome Open Research, 2020, 5, 213.	0.9	35
52	The effectiveness of social bubbles as part of a Covid-19 lockdown exit strategy, a modelling study. Wellcome Open Research, 2020, 5, 213.	0.9	33
53	Fine-scale family structure shapes influenza transmission risk in households: Insights from primary schools in Matsumoto city, 2014/15. PLoS Computational Biology, 2019, 15, e1007589.	1.5	31
54	Inferring the number of COVID-19 cases from recently reported deaths. Wellcome Open Research, 2020, 5, 78.	0.9	31

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55	The potential for vaccination-induced herd immunity against the SARS-CoV-2 B.1.1.7 variant. Eurosurveillance, 2021, 26, .	3.9	30
56	Estimating the overdispersion in COVID-19 transmission using outbreak sizes outside China. Wellcome Open Research, 0, 5, 67.	0.9	30
57	The Effect of Community-Based Prevention and Care on Ebola Transmission in Sierra Leone. American Journal of Public Health, 2016, 106, 727-732.	1.5	29
58	Identifying human encounters that shape the transmission of Streptococcus pneumoniae and other acute respiratory infections. Epidemics, 2018, 25, 72-79.	1.5	29
59	The effect of travel restrictions on the geographical spread of COVID-19 between large cities in China: a modelling study. BMC Medicine, 2020, 18, 259.	2.3	28
60	The Role of Social Contacts and Original Antigenic Sin in Shaping the Age Pattern of Immunity to Seasonal Influenza. PLoS Computational Biology, 2012, 8, e1002741.	1.5	27
61	Age profile of immunity to influenza: Effect of original antigenic sin. Theoretical Population Biology, 2012, 81, 102-112.	0.5	27
62	Characterizing the Transmission Potential of Zoonotic Infections from Minor Outbreaks. PLoS Computational Biology, 2015, 11, e1004154.	1.5	24
63	Using paired serology and surveillance data to quantify dengue transmission and control during a large outbreak in Fiji. ELife, 2018, 7, .	2.8	23
64	Zika seroprevalence declines and neutralizing antibodies wane in adults following outbreaks in French Polynesia and Fiji. ELife, 2020, 9, .	2.8	23
65	Influenza emergence in the face of evolutionary constraints. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 645-652.	1.2	22
66	Estimating the probability of demonstrating vaccine efficacy in the declining Ebola epidemic: a Bayesian modelling approach. BMJ Open, 2015, 5, e009346.	0.8	22
67	Detecting behavioural changes in human movement to inform the spatial scale of interventions against COVID-19. PLoS Computational Biology, 2021, 17, e1009162.	1.5	22
68	Five challenges in modelling interacting strain dynamics. Epidemics, 2015, 10, 31-34.	1.5	21
69	Sustained Low-Level Transmission of Zika and Chikungunya Viruses after Emergence in the Fiji Islands. Emerging Infectious Diseases, 2019, 25, 1535-1538.	2.0	21
70	Distinguishing Between Reservoir Exposure and Human-to-Human Transmission for Emerging Pathogens Using Case Onset Data. PLOS Currents, 2014, 6, .	1.4	21
71	The importance of local context in COVID-19 models. Nature Computational Science, 2021, 1, 6-8.	3.8	19
72	Transmission modelling of environmentally persistent zoonotic diseases: a systematic review. Lancet Planetary Health, The, 2021, 5, e466-e478.	5.1	19

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73	School's Out: Seasonal Variation in the Movement Patterns of School Children. PLoS ONE, 2015, 10, e0128070.	1.1	18
74	Travel measures in the SARS-CoV-2 variant era need clear objectives. Lancet, The, 2022, 399, 1367-1369.	6.3	17
75	Epidemiological and Immunological Features of Obesity and SARS-CoV-2. Viruses, 2021, 13, 2235.	1.5	15
76	Animal Ownership and Touching Enrich the Context of Social Contacts Relevant to the Spread of Human Infectious Diseases. PLoS ONE, 2015, 10, e0133461.	1.1	13
77	An open source tool to infer epidemiological and immunological dynamics from serological data: serosolver. PLoS Computational Biology, 2020, 16, e1007840.	1.5	13
78	The COVID-19 response illustrates that traditional academic reward structures and metrics do not reflect crucial contributions to modern science. PLoS Biology, 2020, 18, e3000913.	2.6	12
79	The role of human immunity and social behavior in shaping influenza evolution. PLoS Pathogens, 2017, 13, e1006432.	2.1	11
80	An online decision tree for vaccine efficacy trial design during infectious disease epidemics: The InterVax-Tool. Vaccine, 2019, 37, 4376-4381.	1.7	11
81	Determinants of Transmission Risk During the Late Stage of the West African Ebola Epidemic. American Journal of Epidemiology, 2019, 188, 1319-1327.	1.6	11
82	Using serological data to understand unobserved SARS-CoV-2 risk in health-care settings. Lancet Infectious Diseases, The, 2020, 20, 1351-1352.	4.6	11
83	Within and between classroom transmission patterns of seasonal influenza among primary school students in Matsumoto city, Japan. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	11
84	Structure and consistency of self-reported social contact networks in British secondary schools. PLoS ONE, 2018, 13, e0200090.	1.1	10
85	The measles crisis in Europe—the need for a joined-up approach. Lancet, The, 2019, 393, 2033.	6.3	10
86	Estimation of Seasonal Influenza Attack Rates and Antibody Dynamics in Children Using Cross-Sectional Serological Data. Journal of Infectious Diseases, 2022, 225, 1750-1754.	1.9	10
87	Towards a unified generic framework to define and observe contacts between livestock and wildlife: a systematic review. PeerJ, 2020, 8, e10221.	0.9	10
88	SARS-CoV-2 antibodies protect against reinfection for at least 6 months in a multicentre seroepidemiological workplace cohort. PLoS Biology, 2022, 20, e3001531.	2.6	10
89	Low chikungunya virus seroprevalence two years after emergence in Fiji. International Journal of Infectious Diseases, 2020, 90, 223-225.	1.5	9
90	Social mixing in Fiji: Who-eats-with-whom contact patterns and the implications of age and ethnic heterogeneity for disease dynamics in the Pacific Islands. PLoS ONE, 2017, 12, e0186911.	1.1	8

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91	Unexposed populations and potential COVID-19 hospitalisations and deaths in European countries as per data up to 21 November 2021. Eurosurveillance, 2022, 27, .	3.9	8
92	The impact of local vaccine coverage and recent incidence on measles transmission in France between 2009 and 2018. BMC Medicine, 2022, 20, 77.	2.3	8
93	Using high-resolution contact networks to evaluate SARS-CoV-2 transmission and control in large-scale multi-day events. Nature Communications, 2022, 13, 1956.	5.8	8
94	A serological framework to investigate acute primary and post-primary dengue cases reporting across the Philippines. BMC Medicine, 2020, 18, 364.	2.3	7
95	Probabilistic reconstruction of measles transmission clusters from routinely collected surveillance data. Journal of the Royal Society Interface, 2020, 17, 20200084.	1.5	7
96	Sharing, synthesis and sustainability of data analysis for epidemic preparedness in Europe. Lancet Regional Health - Europe, The, 2021, 9, 100215.	3.0	7
97	Estimating the annual dengue force of infection from the age of reporting primary infections across urban centres in endemic countries. BMC Medicine, 2021, 19, 217.	2.3	6
98	Expected Duration of Adverse Pregnancy Outcomes after Zika Epidemic. Emerging Infectious Diseases, 2018, 24, 127-130.	2.0	5
99	Implication of backward contact tracing in the presence of overdispersed transmission in COVID-19 outbreaks. Wellcome Open Research, 0, 5, 239.	0.9	5
100	Serological Evidence of Widespread Zika Transmission across the Philippines. Viruses, 2021, 13, 1441.	1.5	5
101	Estimating the duration of seropositivity of human seasonal coronaviruses using seroprevalence studies. Wellcome Open Research, 0, 6, 138.	0.9	5
102	Reducing uncertainty about flavivirus infections. Lancet Infectious Diseases, The, 2017, 17, 13-15.	4.6	4
103	Effective surveillance of variants. Science, 2022, 375, 1349-1350.	6.0	4
104	Interactions between timing and transmissibility explain diverse flavivirus dynamics in Fiji. Nature Communications, 2021, 12, 1671.	5.8	3
105	Estimating the duration of seropositivity of human seasonal coronaviruses using seroprevalence studies. Wellcome Open Research, 2021, 6, 138.	0.9	3
106	Case-area targeted interventions (CATI) for reactive dengue control: Modelling effectiveness of vector control and prophylactic drugs in Singapore. PLoS Neglected Tropical Diseases, 2021, 15, e0009562.	1.3	3
107	Estimating the duration of seropositivity of human seasonal coronaviruses using seroprevalence studies. Wellcome Open Research, 0, 6, 138.	0.9	3
108	Ten simple rules for writing a popular science book. PLoS Computational Biology, 2018, 14, e1005808.	1.5	2

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109	o2geosocial: Reconstructing who-infected-whom from routinely collected surveillance data. F1000Research, 0, 10, 31.	0.8	1
110	Lektury oÅ›wieconego wojaÅ¼era-Sarmaty w Å›wietle katalogu ksiÄ…g zabranych w podrÃ³Å¼ przez Seweryna Rzewuskiego (1778). Folia Toruniensia, 0, 17, 45.	0.0	1
111	Invisible spread of SARS-CoV-2 â€" Authors' reply. Lancet Infectious Diseases, The, 2020, 20, 1012.	4.6	0
112	o2geosocial: Reconstructing who-infected-whom from routinely collected surveillance data. F1000Research, 0, 10, 31.	0.8	0
113	Blaski i cienie peregrynacji w cudzych krajach. PodrÃ³Å¼ edukacyjna Kazimierza Rzewuskiego (1766-1768). , 2019, 48, 61.	0.0	0
114	Title is missing!. , 2019, 15, e1007589.		0
115	Title is missing!. , 2019, 15, e1007589.		0
116	Title is missing!. , 2019, 15, e1007589.		0
117	Title is missing!. , 2019, 15, e1007589.		0
118	Title is missing!. , 2020, 16, e1007840.		0
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122	Title is missing!. , 2020, 16, e1007840.		0