

Stefan Flasche

List of Publications by Citations

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124
papers

9,096
citations

37
h-index

95
g-index

154
ext. papers

12,048
ext. citations

10.7
avg, IF

6.44
L-index

#	Paper	IF	Citations
124	Feasibility of controlling COVID-19 outbreaks by isolation of cases and contacts. <i>The Lancet Global Health</i> , 2020 , 8, e488-e496	13.6	1460
123	Early dynamics of transmission and control of COVID-19: a mathematical modelling study. <i>Lancet Infectious Diseases</i> , 2020 , 20, 553-558	25.5	1372
122	The effect of control strategies to reduce social mixing on outcomes of the COVID-19 epidemic in Wuhan, China: a modelling study. <i>Lancet Public Health</i> , 2020 , 5, e261-e270	22.4	1139
121	Effects of non-pharmaceutical interventions on COVID-19 cases, deaths, and demand for hospital services in the UK: a modelling study. <i>Lancet Public Health</i> , 2020 , 5, e375-e385	22.4	453
120	Global, regional, and national estimates of the population at increased risk of severe COVID-19 due to underlying health conditions in 2020: a modelling study. <i>The Lancet Global Health</i> , 2020 , 8, e1003-e1017	13.6	444
119	Effectiveness of isolation, testing, contact tracing, and physical distancing on reducing transmission of SARS-CoV-2 in different settings: a mathematical modelling study. <i>Lancet Infectious Diseases</i> , 2020 , 20, 1151-1160	25.5	416
118	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. <i>Eurosurveillance</i> , 2020 , 25,	19.8	277
117	Effect of pneumococcal conjugate vaccination on serotype-specific carriage and invasive disease in England: a cross-sectional study. <i>PLoS Medicine</i> , 2011 , 8, e1001017	11.6	208
116	Assessing optimal target populations for influenza vaccination programmes: an evidence synthesis and modelling study. <i>PLoS Medicine</i> , 2013 , 10, e1001527	11.6	193
115	Effectiveness of airport screening at detecting travellers infected with novel coronavirus (2019-nCoV). <i>Eurosurveillance</i> , 2020 , 25,	19.8	189
114	Routine childhood immunisation during the COVID-19 pandemic in Africa: a benefit-risk analysis of health benefits versus excess risk of SARS-CoV-2 infection. <i>The Lancet Global Health</i> , 2020 , 8, e1264-e1272	13.6	154
113	Vaccination against pandemic influenza A/H1N1v in England: a real-time economic evaluation. <i>Vaccine</i> , 2010 , 28, 2370-84	4.1	142
112	The Long-Term Safety, Public Health Impact, and Cost-Effectiveness of Routine Vaccination with a Recombinant, Live-Attenuated Dengue Vaccine (Dengvaxia): A Model Comparison Study. <i>PLoS Medicine</i> , 2016 , 13, e1002181	11.6	127
111	Public health impact and cost-effectiveness of the RTS,S/AS01 malaria vaccine: a systematic comparison of predictions from four mathematical models. <i>Lancet</i> , 2016 , 387, 367-375	40	107
110	Estimating the time-varying reproduction number of SARS-CoV-2 using national and subnational case counts. <i>Wellcome Open Research</i> , 2020 , 5, 112	4.8	98
109	Using a real-world network to model localized COVID-19 control strategies. <i>Nature Medicine</i> , 2020 , 26, 1616-1622	50.5	97
108	Temporal Changes in Ebola Transmission in Sierra Leone and Implications for Control Requirements: a Real-time Modelling Study. <i>PLOS Currents</i> , 2015 , 7,		84

107	Measuring the impact of Ebola control measures in Sierra Leone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 14366-71	11.5	80
106	Reconstructing the early global dynamics of under-ascertained COVID-19 cases and infections. <i>BMC Medicine</i> , 2020 , 18, 332	11.4	80
105	Deliberations of the Strategic Advisory Group of Experts on Immunization on the use of CYD-TDV dengue vaccine. <i>Lancet Infectious Diseases, The</i> , 2019 , 19, e31-e38	25.5	76
104	COVID-19 control in low-income settings and displaced populations: what can realistically be done?. <i>Conflict and Health</i> , 2020 , 14, 54	4	72
103	Quarantine and testing strategies in contact tracing for SARS-CoV-2: a modelling study. <i>Lancet Public Health, The</i> , 2021 , 6, e175-e183	22.4	69
102	The Early Transmission Dynamics of H1N1pdm Influenza in the United Kingdom. <i>PLOS Currents</i> , 2009 , 1, RRN1130		63
101	The impact of population-wide rapid antigen testing on SARS-CoV-2 prevalence in Slovakia. <i>Science</i> , 2021 , 372, 635-641	33.3	61
100	Effective transmission across the globe: the role of climate in COVID-19 mitigation strategies. <i>Lancet Planetary Health, The</i> , 2020 , 4, e172	9.8	60
99	Estimating the time-varying reproduction number of SARS-CoV-2 using national and subnational case counts. <i>Wellcome Open Research</i> , 5 , 112	4.8	58
98	The potential health and economic value of SARS-CoV-2 vaccination alongside physical distancing in the UK: a transmission model-based future scenario analysis and economic evaluation. <i>Lancet Infectious Diseases, The</i> , 2021 , 21, 962-974	25.5	57
97	The contribution of pre-symptomatic infection to the transmission dynamics of COVID-2019. <i>Wellcome Open Research</i> , 2020 , 5, 58	4.8	51
96	Efficacy of live oral rotavirus vaccines by duration of follow-up: a meta-regression of randomised controlled trials. <i>Lancet Infectious Diseases, The</i> , 2019 , 19, 717-727	25.5	50
95	Evaluation of the benefits and risks of introducing Ebola community care centers, Sierra Leone. <i>Emerging Infectious Diseases</i> , 2015 , 21, 393-9	10.2	48
94	Extending the elderly- and risk-group programme of vaccination against seasonal influenza in England and Wales: a cost-effectiveness study. <i>BMC Medicine</i> , 2015 , 13, 236	11.4	43
93	Ebola virus disease in the Democratic Republic of the Congo, 1976-2014. <i>ELife</i> , 2015 , 4,	8.9	43
92	The contribution of asymptomatic SARS-CoV-2 infections to transmission on the Diamond Princess cruise ship. <i>ELife</i> , 2020 , 9,	8.9	43
91	The Potential for Reducing the Number of Pneumococcal Conjugate Vaccine Doses While Sustaining Herd Immunity in High-Income Countries. <i>PLoS Medicine</i> , 2015 , 12, e1001839	11.6	42
90	Use of seasonal influenza and pneumococcal polysaccharide vaccines in older adults to reduce COVID-19 mortality. <i>Vaccine</i> , 2020 , 38, 5398-5401	4.1	40

89	Age-dependent prevalence of nasopharyngeal carriage of streptococcus pneumoniae before conjugate vaccine introduction: a prediction model based on a meta-analysis. <i>PLoS ONE</i> , 2014 , 9, e86136 ^{3.7}		38
88	The impact of COVID-19 control measures on social contacts and transmission in Kenyan informal settlements. <i>BMC Medicine</i> , 2020 , 18, 316	11.4	38
87	Patterns of human social contact and contact with animals in Shanghai, China. <i>Scientific Reports</i> , 2019 , 9, 15141	4.9	37
86	The role of schools and school-aged children in SARS-CoV-2 transmission. <i>Lancet Infectious Diseases</i> , 2021 , 21, 298-299	25.5	37
85	Response strategies for COVID-19 epidemics in African settings: a mathematical modelling study. <i>BMC Medicine</i> , 2020 , 18, 324	11.4	36
84	Effect and cost-effectiveness of pneumococcal conjugate vaccination: a global modelling analysis. <i>The Lancet Global Health</i> , 2019 , 7, e58-e67	13.6	35
83	Different transmission patterns in the early stages of the influenza A(H1N1)v pandemic: a comparative analysis of 12 European countries. <i>Epidemics</i> , 2011 , 3, 125-33	5.1	34
82	Mathematical modelling long-term effects of replacing Prevnar7 with Prevnar13 on invasive pneumococcal diseases in England and Wales. <i>PLoS ONE</i> , 2012 , 7, e39927	3.7	34
81	The Efficacy and Duration of Protection of Pneumococcal Conjugate Vaccines Against Nasopharyngeal Carriage: A Meta-regression Model. <i>Pediatric Infectious Disease Journal</i> , 2015 , 34, 858-64 ^{2.4}		32
80	Within-host dynamics shape antibiotic resistance in commensal bacteria. <i>Nature Ecology and Evolution</i> , 2019 , 3, 440-449	12.3	31
79	Prediction of serotypes causing invasive pneumococcal disease in unvaccinated and vaccinated populations. <i>Epidemiology</i> , 2011 , 22, 199-207	3.1	30
78	Strategies to reduce the risk of SARS-CoV-2 re-introduction from international travellers		27
77	Estimating the infection and case fatality ratio for COVID-19 using age-adjusted data from the outbreak on the Diamond Princess cruise ship		25
76	The serotype distribution among healthy carriers before vaccination is essential for predicting the impact of pneumococcal conjugate vaccine on invasive disease. <i>PLoS Computational Biology</i> , 2015 , 11, e1004173	5	24
75	Effectiveness of interventions targeting air travellers for delaying local outbreaks of SARS-CoV-2. <i>Journal of Travel Medicine</i> , 2020 , 27,	12.9	24
74	The impact of specific and non-specific immunity on the ecology of Streptococcus pneumoniae and the implications for vaccination. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013 , 280, 20131939	4.4	24
73	Guidelines for multi-model comparisons of the impact of infectious disease interventions. <i>BMC Medicine</i> , 2019 , 17, 163	11.4	22
72	Assessing the efficiency of catch-up campaigns for the introduction of pneumococcal conjugate vaccine: a modelling study based on data from PCV10 introduction in Kilifi, Kenya. <i>BMC Medicine</i> , 2017 , 15, 113	11.4	22

71	The effectiveness of social bubbles as part of a Covid-19 lockdown exit strategy, a modelling study. <i>Wellcome Open Research</i> , 2020 , 5, 213	4.8	22
70	Estimating the burden of dengue and the impact of release of wMel Wolbachia-infected mosquitoes in Indonesia: a modelling study. <i>BMC Medicine</i> , 2019 , 17, 172	11.4	20
69	The impact of population-wide rapid antigen testing on SARS-CoV-2 prevalence in Slovakia		19
68	Seasonality of respiratory viruses causing hospitalizations for acute respiratory infections in children in Nha Trang, Vietnam. <i>International Journal of Infectious Diseases</i> , 2018 , 75, 18-25	10.5	18
67	The effectiveness of social bubbles as part of a Covid-19 lockdown exit strategy, a modelling study. <i>Wellcome Open Research</i> , 2020 , 5, 213	4.8	18
66	The potential for vaccination-induced herd immunity against the SARS-CoV-2 B.1.1.7 variant. <i>Eurosurveillance</i> , 2021 , 26,	19.8	16
65	Vaccine-attributable severe dengue in the Philippines. <i>Lancet, The</i> , 2019 , 394, 2151-2152	4.0	16
64	Vaccination to reduce antimicrobial resistance. <i>The Lancet Global Health</i> , 2018 , 6, e252	13.6	15
63	The effect of travel restrictions on the geographical spread of COVID-19 between large cities in China: a modelling study. <i>BMC Medicine</i> , 2020 , 18, 259	11.4	15
62	Using Pneumococcal Carriage Data to Monitor Postvaccination Changes in the Incidence of Pneumococcal Otitis Media. <i>American Journal of Epidemiology</i> , 2016 , 184, 652-659	3.8	14
61	Sustained reduction in vaccine-type invasive pneumococcal disease despite waning effects of a catch-up campaign in Kilifi, Kenya: A mathematical model based on pre-vaccination data. <i>Vaccine</i> , 2017 , 35, 4561-4568	4.1	14
60	Response strategies for COVID-19 epidemics in African settings: a mathematical modelling study		14
59	The contribution of asymptomatic SARS-CoV-2 infections to transmission - a model-based analysis of the Diamond Princess outbreak		14
58	Identifying human encounters that shape the transmission of <i>Streptococcus pneumoniae</i> and other acute respiratory infections. <i>Epidemics</i> , 2018 , 25, 72-79	5.1	14
57	Sensitivity and negative predictive value for a rapid dengue test. <i>Lancet Infectious Diseases, The</i> , 2019 , 19, 465-466	25.5	12
56	Trends in serotypes and sequence types among cases of invasive pneumococcal disease in Scotland, 1999-2010. <i>Vaccine</i> , 2014 , 32, 4356-63	4.1	12
55	Exploring the role of competition induced by non-vaccine serotypes for herd protection following pneumococcal vaccination. <i>Journal of the Royal Society Interface</i> , 2017 , 14,	4.1	12
54	Estimating the proportion of vaccine-induced hospitalized dengue cases among Dengvaxia vaccinees in the Philippines. <i>Wellcome Open Research</i> , 2019 , 4, 165	4.8	12

53	A cross-sectional analysis of meteorological factors and SARS-CoV-2 transmission in 409 cities across 26 countries. <i>Nature Communications</i> , 2021 , 12, 5968	17.4	12
52	The Effect of Inter-City Travel Restrictions on Geographical Spread of COVID-19: Evidence from Wuhan, China		12
51	Quarantine and testing strategies in contact tracing for SARS-CoV-2		12
50	Predicting the impact of pneumococcal conjugate vaccine programme options in Vietnam. <i>Human Vaccines and Immunotherapeutics</i> , 2018 , 14, 1939-1947	4.4	12
49	Effectiveness of interventions targeting air travellers for delaying local outbreaks of SARS-CoV-2		11
48	Transmission dynamics, serial interval and epidemiology of COVID-19 diseases in Hong Kong under different control measures. <i>Wellcome Open Research</i> , 5 , 91	4.8	10
47	Associations between ethnicity, social contact, and pneumococcal carriage three years post-PCV10 in Fiji. <i>Vaccine</i> , 2020 , 38, 202-211	4.1	10
46	Estimating the contribution of different age strata to vaccine serotype pneumococcal transmission in the pre vaccine era: a modelling study. <i>BMC Medicine</i> , 2020 , 18, 129	11.4	9
45	Benefit-risk analysis of health benefits of routine childhood immunisation against the excess risk of SARS-CoV-2 infections during the COVID-19 pandemic in Africa		9
44	Sustaining pneumococcal vaccination after transitioning from Gavi support: a modelling and cost-effectiveness study in Kenya. <i>The Lancet Global Health</i> , 2019 , 7, e644-e654	13.6	8
43	Early indication for a reduced burden of radiologically confirmed pneumonia in children following the introduction of routine vaccination against Haemophilus influenzae type b in Nha Trang, Vietnam. <i>Vaccine</i> , 2014 , 32, 6963-6970	4.1	8
42	Can reactive school closures help critical care provision during the current influenza pandemic?. <i>PLOS Currents</i> , 2009 , 1, RRN1119		8
41	Real-time monitoring of COVID-19 dynamics using automated trend fitting and anomaly detection. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021 , 376, 20200266	5.8	8
40	Strategies to reduce the risk of SARS-CoV-2 importation from international travellers: modelling estimations for the United Kingdom, July 2020. <i>Eurosurveillance</i> , 2021 , 26,	19.8	8
39	Serostatus testing and dengue vaccine cost-benefit thresholds. <i>Journal of the Royal Society Interface</i> , 2019 , 16, 20190234	4.1	7
38	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. <i>PLoS ONE</i> , 2017 , 12, e0186911	3.7	7
37	Optimising health and economic impacts of COVID-19 vaccine prioritisation strategies in the WHO European Region: a mathematical modelling study. <i>Lancet Regional Health - Europe</i> , 2022 , 12, 100267		7
36	Effectiveness of airport screening at detecting travellers infected with 2019-nCoV		7

35	The effectiveness of social bubbles as part of a Covid-19 lockdown exit strategy, a modelling study		7
34	Estimating the impact of reopening schools on the reproduction number of SARS-CoV-2 in England, using weekly contact survey data. <i>BMC Medicine</i> , 2021 , 19, 233	11.4	7
33	Identifying Human Encounters that Shape the Transmission of Streptococcus Pneumoniae and Other Respiratory Infections		6
32	The scope for pneumococcal vaccines that do not prevent transmission. <i>Vaccine</i> , 2017 , 35, 6043-6046	4.1	4
31	The global impact and cost-effectiveness of a melioidosis vaccine. <i>BMC Medicine</i> , 2019 , 17, 129	11.4	4
30	Transmission dynamics, serial interval and epidemiology of COVID-19 diseases in Hong Kong under different control measures. <i>Wellcome Open Research</i> , 2021 , 5, 91	4.8	4
29	Infant contact in day-care centres in Vietnam: A cross-sectional study to understand infant infection risk. <i>Wellcome Open Research</i> , 2019 , 4, 75	4.8	3
28	Infant contact in day-care centres in Vietnam: A cross-sectional study to understand infant infection risk. <i>Wellcome Open Research</i> , 2019 , 4, 75	4.8	3
27	Within-host dynamics explain patterns of antibiotic resistance in commensal bacteria		3
26	Optimising health and economic impacts of COVID-19 vaccine prioritisation strategies in the WHO European Region 2021 ,		3
25	Pneumococcal conjugate vaccine use during humanitarian crises. <i>Vaccine</i> , 2019 , 37, 6787-6792	4.1	2
24	Effectiveness of BNT162b2 and ChAdOx1 against SARS-CoV-2 household transmission: a prospective cohort study in England		2
23	The merits of sustaining pneumococcal vaccination after transitioning from Gavi support: modelling and cost-effectiveness study for Kenya		2
22	Differences in clinical severity of respiratory viral infections in hospitalized children. <i>Scientific Reports</i> , 2021 , 11, 5163	4.9	2
21	Varicella vaccine dose depended effectiveness and waning among preschool children in Hong Kong. <i>Human Vaccines and Immunotherapeutics</i> , 2020 , 16, 499-505	4.4	2
20	SARS-CoV-2 infection risk during delivery of childhood vaccination campaigns: a modelling study. <i>BMC Medicine</i> , 2021 , 19, 198	11.4	2
19	Contact tracing is an imperfect tool for controlling COVID-19 transmission and relies on population adherence. <i>Nature Communications</i> , 2021 , 12, 5412	17.4	2
18	The impact of COVID-19 vaccination in prisons in England and Wales: a metapopulation model. <i>BMC Public Health</i> , 2022 , 22, 1003	4.1	2

17	Vaccine strategies to reduce the burden of pneumococcal disease in HIV-infected adults in Africa. <i>Expert Review of Vaccines</i> , 2020 , 19, 1085-1092	5.2	1
16	Predicting the impact of pneumococcal conjugate vaccine programme options in Vietnam: a dynamic transmission model		1
15	Real-time monitoring of COVID-19 dynamics using automated trend fitting and anomaly detection		1
14	Stabilising effects of competition and diversity determine vaccine impact on antibiotic resistance evolution		1
13	Inferior outcomes in young adults undergoing liver transplantation - a UK and Ireland cohort study. <i>Transplant International</i> , 2021 , 34, 2274-2285	3	1
12	Comparative assessment of methods for short-term forecasts of COVID-19 hospital admissions in England at the local level.. <i>BMC Medicine</i> , 2022 , 20, 86	11.4	1
11	Using high-resolution contact networks to evaluate SARS-CoV-2 transmission and control in large-scale multi-day events.. <i>Nature Communications</i> , 2022 , 13, 1956	17.4	1
10	A cluster-randomised, non-inferiority trial of the impact of a two-dose compared to three-dose schedule of pneumococcal conjugate vaccination in rural Gambia: the PVS trial.. <i>Trials</i> , 2022 , 23, 71	2.8	0
9	Competition between RSV and influenza: Limits of modelling inference from surveillance data. <i>Epidemics</i> , 2021 , 35, 100460	5.1	0
8	Prevalence of <i>Streptococcus pneumoniae</i> in conjunctival flora and association with nasopharyngeal carriage among children in a Vietnamese community. <i>Scientific Reports</i> , 2021 , 11, 337	4.9	0
7	Estimating the contribution of HIV-infected adults to household pneumococcal transmission in South Africa, 2016-2018: A hidden Markov modelling study.. <i>PLoS Computational Biology</i> , 2021 , 17, e1009680	5.680	0
6	Dosing interval strategies for two-dose COVID-19 vaccination in 13 middle-income countries of Europe: Health impact modelling and benefit-risk analysis.. <i>Lancet Regional Health - Europe</i> , 2022 , 100381		0
5	The role of pneumococcal conjugate vaccination in reducing pneumonia mortality. <i>The Lancet Global Health</i> , 2019 , 7, e173-e174	13.6	
4	Designing a multi-layered surveillance approach to detecting SARS-CoV-2: A modelling study. <i>Wellcome Open Research</i> , 2021 , 5, 218	4.8	
3	Date of introduction and epidemiologic patterns of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) in Mogadishu, Somalia: estimates from transmission modelling of satellite-based excess mortality data in 2020.. <i>Wellcome Open Research</i> , 2021 , 6, 255	4.8	
2	COVID-19's lost generation of unvaccinated children - Authors' reply. <i>The Lancet Global Health</i> , 2021 , 9, e251	13.6	
1	Date of introduction and epidemiologic patterns of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) in Mogadishu, Somalia: estimates from transmission modelling of satellite-based excess mortality data in 2020. <i>Wellcome Open Research</i> , 2021 , 6, 255	4.8	