

# Stefan Flasche

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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> , <b>2022</b> , 23, 71	2.8	0
123	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, The</i> , <b>2022</b> , 12, 100267		7
122	Comparative assessment of methods for short-term forecasts of COVID-19 hospital admissions in England at the local level.. <i>BMC Medicine</i> , <b>2022</b> , 20, 86	11.4	1
121	Using high-resolution contact networks to evaluate SARS-CoV-2 transmission and control in large-scale multi-day events.. <i>Nature Communications</i> , <b>2022</b> , 13, 1956	17.4	1
120	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, The</i> , <b>2022</b> , 100381		0
119	The impact of COVID-19 vaccination in prisons in England and Wales: a metapopulation model.. <i>BMC Public Health</i> , <b>2022</b> , 22, 1003	4.1	2
118	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> , <b>2021</b> , 6, 255	4.8	
117	A cross-sectional analysis of meteorological factors and SARS-CoV-2 transmission in 409 cities across 26 countries. <i>Nature Communications</i> , <b>2021</b> , 12, 5968	17.4	12
116	COVID-19's lost generation of unvaccinated children - Authors' reply. <i>The Lancet Global Health</i> , <b>2021</b> , 9, e251	13.6	
115	Quarantine and testing strategies in contact tracing for SARS-CoV-2: a modelling study. <i>Lancet Public Health, The</i> , <b>2021</b> , 6, e175-e183	22.4	69
114	Differences in clinical severity of respiratory viral infections in hospitalized children. <i>Scientific Reports</i> , <b>2021</b> , 11, 5163	4.9	2
113	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> , <b>2021</b> , 376, 20200266	5.8	8
112	The potential for vaccination-induced herd immunity against the SARS-CoV-2 B.1.1.7 variant. <i>Eurosurveillance</i> , <b>2021</b> , 26,	19.8	16
111	The impact of population-wide rapid antigen testing on SARS-CoV-2 prevalence in Slovakia. <i>Science</i> , <b>2021</b> , 372, 635-641	33.3	61
110	Competition between RSV and influenza: Limits of modelling inference from surveillance data. <i>Epidemics</i> , <b>2021</b> , 35, 100460	5.1	0
109	The role of schools and school-aged children in SARS-CoV-2 transmission. <i>Lancet Infectious Diseases, The</i> , <b>2021</b> , 21, 298-299	25.5	37
108	Prevalence of <i>Streptococcus pneumoniae</i> in conjunctival flora and association with nasopharyngeal carriage among children in a Vietnamese community. <i>Scientific Reports</i> , <b>2021</b> , 11, 337	4.9	0

107	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> , <b>2021</b> , 21, 962-974	25.5	57
106	Optimising health and economic impacts of COVID-19 vaccine prioritisation strategies in the WHO European Region <b>2021</b> ,		3
105	SARS-CoV-2 infection risk during delivery of childhood vaccination campaigns: a modelling study. <i>BMC Medicine</i> , <b>2021</b> , 19, 198	11.4	2
104	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> , <b>2021</b> , 19, 233	11.4	7
103	Contact tracing is an imperfect tool for controlling COVID-19 transmission and relies on population adherence. <i>Nature Communications</i> , <b>2021</b> , 12, 5412	17.4	2
102	Inferior outcomes in young adults undergoing liver transplantation - a UK and Ireland cohort study. <i>Transplant International</i> , <b>2021</b> , 34, 2274-2285	3	1
101	Strategies to reduce the risk of SARS-CoV-2 importation from international travellers: modelling estimations for the United Kingdom, July 2020. <i>Eurosurveillance</i> , <b>2021</b> , 26,	19.8	8
100	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> , <b>2021</b> , 17, e1009680	5.680	0
99	Vaccine strategies to reduce the burden of pneumococcal disease in HIV-infected adults in Africa. <i>Expert Review of Vaccines</i> , <b>2020</b> , 19, 1085-1092	5.2	1
98	Effective transmission across the globe: the role of climate in COVID-19 mitigation strategies. <i>Lancet Planetary Health, The</i> , <b>2020</b> , 4, e172	9.8	60
97	Estimating the contribution of different age strata to vaccine serotype pneumococcal transmission in the pre vaccine era: a modelling study. <i>BMC Medicine</i> , <b>2020</b> , 18, 129	11.4	9
96	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, The</i> , <b>2020</b> , 20, 1151-1160	25.5	416
95	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> , <b>2020</b> , 8, e1003-e1017	13.6	444
94	Effectiveness of interventions targeting air travellers for delaying local outbreaks of SARS-CoV-2. <i>Journal of Travel Medicine</i> , <b>2020</b> , 27,	12.9	24
93	Early dynamics of transmission and control of COVID-19: a mathematical modelling study. <i>Lancet Infectious Diseases, The</i> , <b>2020</b> , 20, 553-558	25.5	1372
92	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, The</i> , <b>2020</b> , 5, e261-e270	22.4	1139
91	Use of seasonal influenza and pneumococcal polysaccharide vaccines in older adults to reduce COVID-19 mortality. <i>Vaccine</i> , <b>2020</b> , 38, 5398-5401	4.1	40
90	Feasibility of controlling COVID-19 outbreaks by isolation of cases and contacts. <i>The Lancet Global Health</i> , <b>2020</b> , 8, e488-e496	13.6	1460

89	The contribution of pre-symptomatic infection to the transmission dynamics of COVID-2019. <i>Wellcome Open Research</i> , <b>2020</b> , 5, 58	4.8	51
88	The effectiveness of social bubbles as part of a Covid-19 lockdown exit strategy, a modelling study. <i>Wellcome Open Research</i> , <b>2020</b> , 5, 213	4.8	22
87	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> , <b>2020</b> , 25,	19.8	277
86	Effectiveness of airport screening at detecting travellers infected with novel coronavirus (2019-nCoV). <i>Eurosurveillance</i> , <b>2020</b> , 25,	19.8	189
85	The contribution of asymptomatic SARS-CoV-2 infections to transmission on the Diamond Princess cruise ship. <i>ELife</i> , <b>2020</b> , 9,	8.9	43
84	Associations between ethnicity, social contact, and pneumococcal carriage three years post-PCV10 in Fiji. <i>Vaccine</i> , <b>2020</b> , 38, 202-211	4.1	10
83	The impact of COVID-19 control measures on social contacts and transmission in Kenyan informal settlements. <i>BMC Medicine</i> , <b>2020</b> , 18, 316	11.4	38
82	Response strategies for COVID-19 epidemics in African settings: a mathematical modelling study. <i>BMC Medicine</i> , <b>2020</b> , 18, 324	11.4	36
81	Reconstructing the early global dynamics of under-ascertained COVID-19 cases and infections. <i>BMC Medicine</i> , <b>2020</b> , 18, 332	11.4	80
80	Using a real-world network to model localized COVID-19 control strategies. <i>Nature Medicine</i> , <b>2020</b> , 26, 1616-1622	50.5	97
79	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> , <b>2020</b> , 8, e1264-e1272	13.6	154
78	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> , <b>2020</b> , 5, e375-e385	22.4	453
77	COVID-19 control in low-income settings and displaced populations: what can realistically be done?. <i>Conflict and Health</i> , <b>2020</b> , 14, 54	4	72
76	The effect of travel restrictions on the geographical spread of COVID-19 between large cities in China: a modelling study. <i>BMC Medicine</i> , <b>2020</b> , 18, 259	11.4	15
75	The effectiveness of social bubbles as part of a Covid-19 lockdown exit strategy, a modelling study. <i>Wellcome Open Research</i> , <b>2020</b> , 5, 213	4.8	18
74	Varicella vaccine dose depended effectiveness and waning among preschool children in Hong Kong. <i>Human Vaccines and Immunotherapeutics</i> , <b>2020</b> , 16, 499-505	4.4	2
73	Serostatus testing and dengue vaccine cost-benefit thresholds. <i>Journal of the Royal Society Interface</i> , <b>2019</b> , 16, 20190234	4.1	7
72	Estimating the burden of dengue and the impact of release of wMel Wolbachia-infected mosquitoes in Indonesia: a modelling study. <i>BMC Medicine</i> , <b>2019</b> , 17, 172	11.4	20

71	Pneumococcal conjugate vaccine use during humanitarian crises. <i>Vaccine</i> , <b>2019</b> , 37, 6787-6792	4.1	2
70	Efficacy of live oral rotavirus vaccines by duration of follow-up: a meta-regression of randomised controlled trials. <i>Lancet Infectious Diseases, The</i> , <b>2019</b> , 19, 717-727	25.5	50
69	Sustaining pneumococcal vaccination after transitioning from Gavi support: a modelling and cost-effectiveness study in Kenya. <i>The Lancet Global Health</i> , <b>2019</b> , 7, e644-e654	13.6	8
68	Sensitivity and negative predictive value for a rapid dengue test. <i>Lancet Infectious Diseases, The</i> , <b>2019</b> , 19, 465-466	25.5	12
67	Within-host dynamics shape antibiotic resistance in commensal bacteria. <i>Nature Ecology and Evolution</i> , <b>2019</b> , 3, 440-449	12.3	31
66	The role of pneumococcal conjugate vaccination in reducing pneumonia mortality. <i>The Lancet Global Health</i> , <b>2019</b> , 7, e173-e174	13.6	
65	Guidelines for multi-model comparisons of the impact of infectious disease interventions. <i>BMC Medicine</i> , <b>2019</b> , 17, 163	11.4	22
64	The global impact and cost-effectiveness of a melioidosis vaccine. <i>BMC Medicine</i> , <b>2019</b> , 17, 129	11.4	4
63	Infant contact in day-care centres in Vietnam: A cross-sectional study to understand infant infection risk. <i>Wellcome Open Research</i> , <b>2019</b> , 4, 75	4.8	3
62	Estimating the proportion of vaccine-induced hospitalized dengue cases among Dengvaxia vaccinees in the Philippines. <i>Wellcome Open Research</i> , <b>2019</b> , 4, 165	4.8	12
61	Infant contact in day-care centres in Vietnam: A cross-sectional study to understand infant infection risk. <i>Wellcome Open Research</i> , <b>2019</b> , 4, 75	4.8	3
60	Patterns of human social contact and contact with animals in Shanghai, China. <i>Scientific Reports</i> , <b>2019</b> , 9, 15141	4.9	37
59	Vaccine-attributable severe dengue in the Philippines. <i>Lancet, The</i> , <b>2019</b> , 394, 2151-2152	4.0	16
58	Deliberations of the Strategic Advisory Group of Experts on Immunization on the use of CYD-TDV dengue vaccine. <i>Lancet Infectious Diseases, The</i> , <b>2019</b> , 19, e31-e38	25.5	76
57	Effect and cost-effectiveness of pneumococcal conjugate vaccination: a global modelling analysis. <i>The Lancet Global Health</i> , <b>2019</b> , 7, e58-e67	13.6	35
56	Vaccination to reduce antimicrobial resistance. <i>The Lancet Global Health</i> , <b>2018</b> , 6, e252	13.6	15
55	Seasonality of respiratory viruses causing hospitalizations for acute respiratory infections in children in Nha Trang, Vietnam. <i>International Journal of Infectious Diseases</i> , <b>2018</b> , 75, 18-25	10.5	18
54	Predicting the impact of pneumococcal conjugate vaccine programme options in Vietnam. <i>Human Vaccines and Immunotherapeutics</i> , <b>2018</b> , 14, 1939-1947	4.4	12

53	Identifying human encounters that shape the transmission of <i>Streptococcus pneumoniae</i> and other acute respiratory infections. <i>Epidemics</i> , <b>2018</b> , 25, 72-79	5.1	14
52	The scope for pneumococcal vaccines that do not prevent transmission. <i>Vaccine</i> , <b>2017</b> , 35, 6043-6046	4.1	4
51	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> , <b>2017</b> , 35, 4561-4568	4.1	14
50	Exploring the role of competition induced by non-vaccine serotypes for herd protection following pneumococcal vaccination. <i>Journal of the Royal Society Interface</i> , <b>2017</b> , 14,	4.1	12
49	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> , <b>2017</b> , 15, 113	11.4	22
48	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> , <b>2017</b> , 12, e0186911	3.7	7
47	Using Pneumococcal Carriage Data to Monitor Postvaccination Changes in the Incidence of Pneumococcal Otitis Media. <i>American Journal of Epidemiology</i> , <b>2016</b> , 184, 652-659	3.8	14
46	Public health impact and cost-effectiveness of the RTS,S/AS01 malaria vaccine: a systematic comparison of predictions from four mathematical models. <i>Lancet, The</i> , <b>2016</b> , 387, 367-375	4.0	107
45	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> , <b>2016</b> , 13, e1002181	11.6	127
44	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> , <b>2015</b> , 11, e1004173	5	24
43	Evaluation of the benefits and risks of introducing Ebola community care centers, Sierra Leone. <i>Emerging Infectious Diseases</i> , <b>2015</b> , 21, 393-9	10.2	48
42	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> , <b>2015</b> , 112, 14366-71	11.5	80
41	Extending the elderly- and risk-group programme of vaccination against seasonal influenza in England and Wales: a cost-effectiveness study. <i>BMC Medicine</i> , <b>2015</b> , 13, 236	11.4	43
40	The Efficacy and Duration of Protection of Pneumococcal Conjugate Vaccines Against Nasopharyngeal Carriage: A Meta-regression Model. <i>Pediatric Infectious Disease Journal</i> , <b>2015</b> , 34, 858-64	4.4	32
39	The Potential for Reducing the Number of Pneumococcal Conjugate Vaccine Doses While Sustaining Herd Immunity in High-Income Countries. <i>PLoS Medicine</i> , <b>2015</b> , 12, e1001839	11.6	42
38	Ebola virus disease in the Democratic Republic of the Congo, 1976-2014. <i>ELife</i> , <b>2015</b> , 4,	8.9	43
37	Temporal Changes in Ebola Transmission in Sierra Leone and Implications for Control Requirements: a Real-time Modelling Study. <i>PLOS Currents</i> , <b>2015</b> , 7,		84
36	Early indication for a reduced burden of radiologically confirmed pneumonia in children following the introduction of routine vaccination against <i>Haemophilus influenzae</i> type b in Nha Trang, Vietnam. <i>Vaccine</i> , <b>2014</b> , 32, 6963-6970	4.1	8

35	Trends in serotypes and sequence types among cases of invasive pneumococcal disease in Scotland, 1999-2010. <i>Vaccine</i> , <b>2014</b> , 32, 4356-63	4.1	12
34	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> , <b>2014</b> , 9, e86136 <sup>3.7</sup>	3.7	38
33	Assessing optimal target populations for influenza vaccination programmes: an evidence synthesis and modelling study. <i>PLoS Medicine</i> , <b>2013</b> , 10, e1001527	11.6	193
32	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> , <b>2013</b> , 280, 20131939	4.4	24
31	Mathematical modelling long-term effects of replacing Prevnar7 with Prevnar13 on invasive pneumococcal diseases in England and Wales. <i>PLoS ONE</i> , <b>2012</b> , 7, e39927	3.7	34
30	Different transmission patterns in the early stages of the influenza A(H1N1)v pandemic: a comparative analysis of 12 European countries. <i>Epidemics</i> , <b>2011</b> , 3, 125-33	5.1	34
29	Prediction of serotypes causing invasive pneumococcal disease in unvaccinated and vaccinated populations. <i>Epidemiology</i> , <b>2011</b> , 22, 199-207	3.1	30
28	Effect of pneumococcal conjugate vaccination on serotype-specific carriage and invasive disease in England: a cross-sectional study. <i>PLoS Medicine</i> , <b>2011</b> , 8, e1001017	11.6	208
27	Vaccination against pandemic influenza A/H1N1v in England: a real-time economic evaluation. <i>Vaccine</i> , <b>2010</b> , 28, 2370-84	4.1	142
26	Can reactive school closures help critical care provision during the current influenza pandemic?. <i>PLOS Currents</i> , <b>2009</b> , 1, RRN1119		8
25	The Early Transmission Dynamics of H1N1pdm Influenza in the United Kingdom. <i>PLOS Currents</i> , <b>2009</b> , 1, RRN1130		63
24	Transmission dynamics, serial interval and epidemiology of COVID-19 diseases in Hong Kong under different control measures. <i>Wellcome Open Research</i> , <b>5</b> , 91	4.8	10
23	Transmission dynamics, serial interval and epidemiology of COVID-19 diseases in Hong Kong under different control measures. <i>Wellcome Open Research</i> , <b>5</b> , 91	4.8	4
22	Estimating the time-varying reproduction number of SARS-CoV-2 using national and subnational case counts. <i>Wellcome Open Research</i> , <b>5</b> , 112	4.8	98
21	Estimating the time-varying reproduction number of SARS-CoV-2 using national and subnational case counts. <i>Wellcome Open Research</i> , <b>5</b> , 112	4.8	58
20	Designing a multi-layered surveillance approach to detecting SARS-CoV-2: A modelling study. <i>Wellcome Open Research</i> , <b>5</b> , 218	4.8	
19	Effectiveness of BNT162b2 and ChAdOx1 against SARS-CoV-2 household transmission: a prospective cohort study in England		2
18	Identifying Human Encounters that Shape the Transmission of Streptococcus Pneumoniae and Other Respiratory Infections		6

17	Predicting the impact of pneumococcal conjugate vaccine programme options in Vietnam: a dynamic transmission model	1
16	Effectiveness of airport screening at detecting travellers infected with 2019-nCoV	7
15	Effectiveness of interventions targeting air travellers for delaying local outbreaks of SARS-CoV-2	11
14	Estimating the infection and case fatality ratio for COVID-19 using age-adjusted data from the outbreak on the Diamond Princess cruise ship	25
13	▣The Effect of Inter-City Travel Restrictions on Geographical Spread of COVID-19: Evidence from Wuhan, China▣	12
12	Response strategies for COVID-19 epidemics in African settings: a mathematical modelling study	14
11	The contribution of asymptomatic SARS-CoV-2 infections to transmission - a model-based analysis of the Diamond Princess outbreak	14
10	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
9	The effectiveness of social bubbles as part of a Covid-19 lockdown exit strategy, a modelling study	7
8	Strategies to reduce the risk of SARS-CoV-2 re-introduction from international travellers	27
7	Quarantine and testing strategies in contact tracing for SARS-CoV-2	12
6	Real-time monitoring of COVID-19 dynamics using automated trend fitting and anomaly detection	1
5	The impact of population-wide rapid antigen testing on SARS-CoV-2 prevalence in Slovakia	19
4	Within-host dynamics explain patterns of antibiotic resistance in commensal bacteria	3
3	The merits of sustaining pneumococcal vaccination after transitioning from Gavi support ▣a modelling and cost-effectiveness study for Kenya	2
2	Stabilising effects of competition and diversity determine vaccine impact on antibiotic resistance evolution	1
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> ,6, 255	4.8