Nicholas C Grassly

List of Publications by Year in Descending Order

120 papers	6,749 citations	41 h-index	81 g-index
127 ext. papers	7,898 ext. citations	13.3 avg, IF	5.87 L-index

#	Paper	IF	Citations
120	Reassessing Reported Deaths and Estimated Infection Attack Rate during the First 6 Months of the COVID-19 Epidemic, Delhi, India.. *Emerging Infectious Diseases*, **2022**, 28,	10.2	1
119	Risk factors for the spread of vaccine-derived type 2 polioviruses after global withdrawal of trivalent oral poliovirus vaccine and the effects of outbreak responses with monovalent vaccine: a retrospective analysis of surveillance data for 51 countries in Africa. *Lancet Infectious Diseases, The*, **2021**,	25.5	3
118	Estimating the health impact of vaccination against ten pathogens in 98 low-income and middle-income countries from 2000 to 2030: a modelling study. *Lancet, The*, **2021**, 397, 398-408	40	51
117	Factors Predicting Blood Culture Positivity in Children With Enteric Fever.. *Journal of Infectious Diseases*, **2021**, 224, S484-S493	7	0
116	Salmonella Typhi Shedding and Household Transmission by Children With Blood Culture-Confirmed Typhoid Fever in Vellore, South India.. *Journal of Infectious Diseases*, **2021**, 224, S593-S600	7	0
115	Modelling the spread of serotype-2 vaccine derived-poliovirus outbreak in Pakistan and Afghanistan to inform outbreak control strategies in the context of the COVID-19 pandemic. *Vaccine*, **2021**,	4.1	2
114	Impact of maternal antibodies and microbiota development on the immunogenicity of oral rotavirus vaccine in African, Indian, and European infants.. *Nature Communications*, **2021**, 12, 7288	17.4	5
113	Characterizing Environmental Surveillance Sites in Nigeria and Their Sensitivity to Detect Poliovirus and Other Enteroviruses. *Journal of Infectious Diseases*, **2020**,	7	11
112	Surveillance optimisation to detect poliovirus in the pre-eradication era: a modelling study of England and Wales. *Epidemiology and Infection*, **2020**, 148, e157	4.3	1
111	The impact of COVID-19 and strategies for mitigation and suppression in low- and middle-income countries. *Science*, **2020**, 369, 413-422	33.3	440
110	Evolving epidemiology of poliovirus serotype 2 following withdrawal of the serotype 2 oral poliovirus vaccine. *Science*, **2020**, 368, 401-405	33.3	36
109	Rapid and Sensitive Direct Detection and Identification of Poliovirus from Stool and Environmental Surveillance Samples by Use of Nanopore Sequencing. *Journal of Clinical Microbiology*, **2020**, 58,	9.7	12
108	Immune predictors of oral poliovirus vaccine immunogenicity among infants in South India. *Npj Vaccines*, **2020**, 5, 27	9.5	2
107	The role of genetic sequencing and analysis in the polio eradication programme. *Virus Evolution*, **2020**, 6, veaa040	3.7	7
106	A pilot study on use of live attenuated rotavirus vaccine (Rotarix as an infection challenge model. *Vaccine*, **2020**, 38, 7357-7362	4.1	5
105	Comparison of molecular testing strategies for COVID-19 control: a mathematical modelling study. *Lancet Infectious Diseases, The*, **2020**, 20, 1381-1389	25.5	102
104	Interventions to improve oral vaccine performance: a systematic review and meta-analysis. *Lancet Infectious Diseases, The*, **2019**, 19, 203-214	25.5	38

103	Vaccine schedules and the effect on humoral and intestinal immunity against poliovirus: a systematic review and network meta-analysis. *Lancet Infectious Diseases, The*, **2019**, 19, 1121-1128	25.5	12
102	Influence of Nonpolio Enteroviruses and the Bacterial Gut Microbiota on Oral Poliovirus Vaccine Response: A Study from South India. *Journal of Infectious Diseases*, **2019**, 219, 1178-1186	7	23
101	FUT2 Secretor Status Is Not Associated With Oral Poliovirus Vaccine Immunogenicity in South Indian Infants. *Journal of Infectious Diseases*, **2019**, 219, 578-581	7	3
100	Routine immunization in Pakistan: comparison of multiple data sources and identification of factors associated with vaccination. *International Health*, **2018**, 10, 84-91	2.4	18
99	The seasonality of nonpolio enteroviruses in the United States: Patterns and drivers. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 3078-3083	11.5	52
98	Causes of impaired oral vaccine efficacy in developing countries. *Future Microbiology*, **2018**, 13, 97-118	2.9	92
97	Quantity of Vaccine Poliovirus Shed Determines the Titer of the Serum Neutralizing Antibody Response in Indian Children Who Received Oral Vaccine. *Journal of Infectious Diseases*, **2018**, 217, 1395-1398	7	4
96	Population sensitivity of acute flaccid paralysis and environmental surveillance for serotype 1 poliovirus in Pakistan: an observational study. *BMC Infectious Diseases*, **2018**, 18, 176	4	12
95	Eradicating polio with a vaccine we must stop using. *Lancet Infectious Diseases, The*, **2018**, 18, 590-591	25.5	2
94	The effect of probiotics and zinc supplementation on the immune response to oral rotavirus vaccine: A randomized, factorial design, placebo-controlled study among Indian infants. *Vaccine*, **2018**, 36, 273-279	4.1	46
93	Exploring the relationship between environmental enteric dysfunction and oral vaccine responses. *Future Microbiology*, **2018**, 13, 1055-1070	2.9	32
92	Serotype-specific immunity explains the incidence of diseases caused by human enteroviruses. *Science*, **2018**, 361, 800-803	33.3	55
91	Enhancing Rotavirus Vaccination: A Microbial Fix?. *Cell Host and Microbe*, **2018**, 24, 195-196	23.4	2
90	Influence of the intestinal microbiota on the immunogenicity of oral rotavirus vaccine given to infants in south India. *Vaccine*, **2018**, 36, 264-272	4.1	62
89	Effect of Inactivated Poliovirus Vaccine Campaigns, Pakistan, 2014-2017. *Emerging Infectious Diseases*, **2018**, 24, 2113-2115	10.2	3
88	Type 2 Poliovirus Detection after Global Withdrawal of Trivalent Oral Vaccine. *New England Journal of Medicine*, **2018**, 379, 834-845	59.2	27
87	Study design and baseline results of an open-label cluster randomized community-intervention trial to assess the effectiveness of a modified mass deworming program in reducing hookworm infection in a tribal population in southern India. *Contemporary Clinical Trials Communications*, **2017**, 5, 49-55	1.8	14
86	Impact of maternal antibodies and infant gut microbiota on the immunogenicity of rotavirus vaccines in African, Indian and European infants: protocol for a prospective cohort study. *BMJ Open*, **2017**, 7, e016577	3	16

85	Estimated Effect of Inactivated Poliovirus Vaccine Campaigns, Nigeria and Pakistan, January 2014-April 2016. *Emerging Infectious Diseases*, **2017**, 23, 258-263	10.2	11
84	Changes in the intestinal microbiota following the administration of azithromycin in a randomised placebo-controlled trial among infants in south India. *Scientific Reports*, **2017**, 7, 9168	4.9	38
83	An assessment of the geographical risks of wild and vaccine-derived poliomyelitis outbreaks in Africa and Asia. *BMC Infectious Diseases*, **2017**, 17, 367	4	10
82	Quantifying Transmission Heterogeneity Using Both Pathogen Phylogenies and Incidence Time Series. *Molecular Biology and Evolution*, **2017**, 34, 2982-2995	8.3	24
81	Risk factors and short-term projections for serotype-1 poliomyelitis incidence in Pakistan: A spatiotemporal analysis. *PLoS Medicine*, **2017**, 14, e1002323	11.6	17
80	The Duration of Intestinal Immunity After an Inactivated Poliovirus Vaccine Booster Dose in Children Immunized With Oral Vaccine: A Randomized Controlled Trial. *Journal of Infectious Diseases*, **2017**, 215, 529-536	7	11
79	Unravelling mucosal immunity to poliovirus. *Lancet Infectious Diseases, The*, **2016**, 16, 1310-1311	25.5	4
78	Population Immunity against Serotype-2 Poliomyelitis Leading up to the Global Withdrawal of the Oral Poliovirus Vaccine: Spatio-temporal Modelling of Surveillance Data. *PLoS Medicine*, **2016**, 13, e1002140	11.6	13
77	Spatial Dynamics and High Risk Transmission Pathways of Poliovirus in Nigeria 2001-2013. *PLoS ONE*, **2016**, 11, e0163065	3.7	4
76	Preventing Vaccine-Derived Poliovirus Emergence during the Polio Endgame. *PLoS Pathogens*, **2016**, 12, e1005728	7.6	32
75	Faster Detection of Poliomyelitis Outbreaks to Support Polio Eradication. *Emerging Infectious Diseases*, **2016**, 22, 449-56	10.2	12
74	The Burden of Typhoid and Paratyphoid in India: Systematic Review and Meta-analysis. *PLoS Neglected Tropical Diseases*, **2016**, 10, e0004616	4.8	105
73	Polio vaccination: preparing for a change of routine. *Lancet, The*, **2016**, 388, 107-8	40	5
72	The effect of azithromycin on the immunogenicity of oral poliovirus vaccine: a double-blind randomised placebo-controlled trial in seronegative Indian infants. *Lancet Infectious Diseases, The*, **2016**, 16, 905-14	25.5	39
71	Factors determining anti-poliovirus type 3 antibodies among orally immunised Indian infants. *Vaccine*, **2016**, 34, 4979-4984	4.1	5
70	New vaccine strategies to finish polio eradication. *Lancet Infectious Diseases, The*, **2015**, 15, 864-5	25.5	2
69	Impact of inactivated poliovirus vaccine on mucosal immunity: implications for the polio eradication endgame. *Expert Review of Vaccines*, **2015**, 14, 1113-23	5.2	39
68	A New Method for Estimating the Coverage of Mass Vaccination Campaigns Against Poliomyelitis From Surveillance Data. *American Journal of Epidemiology*, **2015**, 182, 961-70	3.8	7

67	Biological challenges to effective vaccines in the developing world. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2015**, 370,	5.8	16
66	Estimating the Future Impact of a Multi-Pronged Intervention Strategy on Ocular Disease Sequelae Caused by Trachoma: A Modeling Study. *Ophthalmic Epidemiology*, **2015**, 22, 394-402	1.9	9
65	The epidemiology of non-polio enteroviruses: recent advances and outstanding questions. *Current Opinion in Infectious Diseases*, **2015**, 28, 479-87	5.4	71
64	Antibiotic Resistance in Streptococcus pneumoniae after Azithromycin Distribution for Trachoma. *Journal of Tropical Medicine*, **2015**, 2015, 917370	2.4	16
63	Effect of a single inactivated poliovirus vaccine dose on intestinal immunity against poliovirus in children previously given oral vaccine: an open-label, randomised controlled trial. *Lancet, The*, **2014**, 384, 1505-12	40	75
62	Polio eradication. Efficacy of inactivated poliovirus vaccine in India. *Science*, **2014**, 345, 922-5	33.3	85
61	Integration, community engagement, and polio eradication in Nigeria - authorsSreply. *The Lancet Global Health*, **2014**, 2, e316	13.6	1
60	Immunogenicity and effectiveness of routine immunization with 1 or 2 doses of inactivated poliovirus vaccine: systematic review and meta-analysis. *Journal of Infectious Diseases*, **2014**, 210 Suppl 1, S439-46	7	38
59	The role of older children and adults in wild poliovirus transmission. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 10604-9	11.5	36
58	Influence of enteric infections on response to oral poliovirus vaccine: a systematic review and meta-analysis. *Journal of Infectious Diseases*, **2014**, 210, 853-64	7	53
57	Genomic analysis of emerging pathogens: methods, application and future trends. *Genome Biology*, **2014**, 15, 541	18.3	18
56	Key issues in the persistence of poliomyelitis in Nigeria: a case-control study. *The Lancet Global Health*, **2014**, 2, e90-7	13.6	34
55	Context-dependent amphibian host population response to an invading pathogen. *Ecology*, **2013**, 94, 1795-804	4.6	53
54	The potential impact of routine immunization with inactivated poliovirus vaccine on wild-type or vaccine-derived poliovirus outbreaks in a posteradication setting. *American Journal of Epidemiology*, **2013**, 178, 1579-87	3.8	21
53	Using a nonparametric multilevel latent Markov model to evaluate diagnostics for trachoma. *American Journal of Epidemiology*, **2013**, 177, 913-22	3.8	15
52	The final stages of the global eradication of poliomyelitis. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2013**, 368, 20120140	5.8	52
51	The effect of mass immunisation campaigns and new oral poliovirus vaccines on the incidence of poliomyelitis in Pakistan and Afghanistan, 2001-11: a retrospective analysis. *Lancet, The*, **2012**, 380, 491-8	40	46
50	Waning intestinal immunity after vaccination with oral poliovirus vaccines in India. *Journal of Infectious Diseases*, **2012**, 205, 1554-61	7	53

49	Systematic review of mucosal immunity induced by oral and inactivated poliovirus vaccines against virus shedding following oral poliovirus challenge. *PLoS Pathogens*, **2012**, 8, e1002599	7.6	141
48	A diagnostics platform for the integrated mapping, monitoring, and surveillance of neglected tropical diseases: rationale and target product profiles. *PLoS Neglected Tropical Diseases*, **2012**, 6, e1746	4.8	71
47	Monitoring trends in HIV prevalence among young people, aged 15 to 24 years, in Manicaland, Zimbabwe. *Journal of the International AIDS Society*, **2011**, 14, 27	5.4	10
46	A statistical model of the international spread of wild poliovirus in Africa used to predict and prevent outbreaks. *PLoS Medicine*, **2011**, 8, e1001109	11.6	29
45	Asymptomatic wild-type poliovirus infection in India among children with previous oral poliovirus vaccination. *Journal of Infectious Diseases*, **2010**, 201, 1535-43	7	36
44	Targeting antibiotics to households for trachoma control. *PLoS Neglected Tropical Diseases*, **2010**, 4, e862	4.8	16
43	Implications of a circulating vaccine-derived poliovirus in Nigeria. *New England Journal of Medicine*, **2010**, 362, 2360-9	59.2	107
42	Modelling trachoma for control programmes. *Advances in Experimental Medicine and Biology*, **2010**, 673, 141-56	3.6	9
41	Estimating household and community transmission of ocular Chlamydia trachomatis. *PLoS Neglected Tropical Diseases*, **2009**, 3, e401	4.8	38
40	Expression profiling the temperature-dependent amphibian response to infection by Batrachochytrium dendrobatidis. *PLoS ONE*, **2009**, 4, e8408	3.7	121
39	Pandemic potential of a strain of influenza A (H1N1): early findings. *Science*, **2009**, 324, 1557-61	33.3	1403
38	Mucosal immunity after vaccination with monovalent and trivalent oral poliovirus vaccine in India. *Journal of Infectious Diseases*, **2009**, 200, 794-801	7	63
37	Response--Influenza. *Science*, **2009**, 325, 1072-1073	33.3	1
36	The development of an age-structured model for trachoma transmission dynamics, pathogenesis and control. *PLoS Neglected Tropical Diseases*, **2009**, 3, e462	4.8	65
35	Mathematical models of infectious disease transmission. *Nature Reviews Microbiology*, **2008**, 6, 477-87	22.2	373
34	Effectiveness of immunization against paralytic poliomyelitis in Nigeria. *New England Journal of Medicine*, **2008**, 359, 1666-74	59.2	50
33	The natural history of trachoma infection and disease in a Gambian cohort with frequent follow-up. *PLoS Neglected Tropical Diseases*, **2008**, 2, e341	4.8	65
32	Protective efficacy of a monovalent oral type 1 poliovirus vaccine: a case-control study. *Lancet, The*, **2007**, 369, 1356-1362	40	117

31	Protective efficacy of a monovalent oral type 1 poliovirus vaccine □AuthorsSreply. *Lancet, The*, **2007**, 370, 129-130	40	0
30	Trachoma: transmission, infection, and control. *Lancet Infectious Diseases, The*, **2007**, 7, 420-7	25.5	38
29	Projecting the demographic impact of AIDS and the number of people in need of treatment: updates to the Spectrum projection package. *Sexually Transmitted Infections*, **2006**, 82 Suppl 3, iii45-50	2.8	67
28	New strategies for the elimination of polio from India. *Science*, **2006**, 314, 1150-3	33.3	192
27	Seasonal infectious disease epidemiology. *Proceedings of the Royal Society B: Biological Sciences*, **2006**, 273, 2541-50	4.4	332
26	Methods to estimate the number of orphans as a result of AIDS and other causes in Sub-Saharan Africa. *Journal of Acquired Immune Deficiency Syndromes (1999)*, **2005**, 39, 365-75	3.1	20
25	Host immunity and synchronized epidemics of syphilis across the United States. *Nature*, **2005**, 433, 417-21	30.4	164
24	The future of the HIV pandemic. *Bulletin of the World Health Organization*, **2005**, 83, 378-82	8.2	11
23	The UNAIDS Estimation and Projection Package: a software package to estimate and project national HIV epidemics. *Sexually Transmitted Infections*, **2004**, 80 Suppl 1, i5-9	2.8	92
22	Maximising the global use of HIV surveillance data through the development and sharing of analytical tools. *Sexually Transmitted Infections*, **2004**, 80 Suppl 1, i1-4	2.8	9
21	Uncertainty in estimates of HIV/AIDS: the estimation and application of plausibility bounds. *Sexually Transmitted Infections*, **2004**, 80 Suppl 1, i31-38	2.8	51
20	The workbook approach to making estimates and projecting future scenarios of HIV/AIDS in countries with low level and concentrated epidemics. *Sexually Transmitted Infections*, **2004**, 80 Suppl 1, i10-13	2.8	27
19	Comparison of household-survey estimates with projections of mortality and orphan numbers in sub-Saharan Africa in the era of HIV/AIDS. *Population Studies*, **2004**, 58, 207-17	2.5	21
18	Estimating the global burden of HIV/AIDS: what do we really know about the HIV pandemic?. *Lancet, The*, **2004**, 363, 2180-5	40	66
17	The economic impact of HIV/AIDS on the education sector in Zambia. *Aids*, **2003**, 17, 1039-44	3.5	18
16	Back to basics in HIV prevention: focus on exposure. *BMJ, The*, **2003**, 326, 1384-7	5.9	75
15	Modelling emerging HIV epidemics: the role of injecting drug use and sexual transmission in the Russian Federation, China and India. *International Journal of Drug Policy*, **2003**, 14, 25-43	5.5	57
14	Explicit models make for better policy. *International Journal of Drug Policy*, **2003**, 14, 339-341	5.5	1

13	Antiretroviral therapy to treat and prevent HIV/AIDS in resource-poor settings. *Nature Medicine*, **2002**, 8, 651-4	50.5	30
12	Improved methods and assumptions for estimation of the HIV/AIDS epidemic and its impact: Recommendations of the UNAIDS Reference Group on Estimates, Modelling and Projections. *Aids*, **2002**, 16, W1-14	3.5	89
11	Can we reverse the HIV/AIDS pandemic with an expanded response?. *Lancet, The*, **2002**, 360, 73-7	40	121
10	AIDS: the makings of a development disaster?. *Journal of International Development*, **2001**, 13, 391-409	1.3	9
9	The effectiveness of HIV prevention and the epidemiological context. *Bulletin of the World Health Organization*, **2001**, 79, 1121-32	8.2	40
8	Error, population structure and the origin of diverse sign systems. *Journal of Theoretical Biology*, **2000**, 206, 369-78	2.3	10
7	Population dynamics of HIV-1 inferred from gene sequences. *Genetics*, **1999**, 151, 427-38	4	42
6	Mortality among human immunodeficiency virus type 2-positive villagers in rural Guinea-Bissau is correlated with viral genotype. *Journal of Virology*, **1998**, 72, 7895-9	6.6	17
5	A likelihood method for the detection of selection and recombination using nucleotide sequences. *Molecular Biology and Evolution*, **1997**, 14, 239-47	8.3	152
4	Changes in transmission of Enterovirus D68 (EV-D68) in England inferred from seroprevalence data		1
3	Rapid and sensitive direct detection and identification of poliovirus from stool and environmental surveillance samples using nanopore sequencing		3
2	Impact of maternal antibodies and microbiota development on the immunogenicity of oral rotavirus vaccine in African, Indian, and European infants: a prospective cohort study		2
1	Reconstructing the COVID-19 epidemic in Delhi, India: infection attack rate and reporting of deaths		4