

Nicholas C Grassly

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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.

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	Pandemic potential of a strain of influenza A (H1N1): early findings. <i>Science</i> , 2009 , 324, 1557-61	33.3	1403
119	The impact of COVID-19 and strategies for mitigation and suppression in low- and middle-income countries. <i>Science</i> , 2020 , 369, 413-422	33.3	440
118	Mathematical models of infectious disease transmission. <i>Nature Reviews Microbiology</i> , 2008 , 6, 477-87	22.2	373
117	Seasonal infectious disease epidemiology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006 , 273, 2541-50	4.4	332
116	New strategies for the elimination of polio from India. <i>Science</i> , 2006 , 314, 1150-3	33.3	192
115	Host immunity and synchronized epidemics of syphilis across the United States. <i>Nature</i> , 2005 , 433, 417-21	30.4	164
114	A likelihood method for the detection of selection and recombination using nucleotide sequences. <i>Molecular Biology and Evolution</i> , 1997 , 14, 239-47	8.3	152
113	Systematic review of mucosal immunity induced by oral and inactivated poliovirus vaccines against virus shedding following oral poliovirus challenge. <i>PLoS Pathogens</i> , 2012 , 8, e1002599	7.6	141
112	Expression profiling the temperature-dependent amphibian response to infection by <i>Batrachochytrium dendrobatidis</i> . <i>PLoS ONE</i> , 2009 , 4, e8408	3.7	121
111	Can we reverse the HIV/AIDS pandemic with an expanded response?. <i>Lancet, The</i> , 2002 , 360, 73-7	40	121
110	Protective efficacy of a monovalent oral type 1 poliovirus vaccine: a case-control study. <i>Lancet, The</i> , 2007 , 369, 1356-1362	40	117
109	Implications of a circulating vaccine-derived poliovirus in Nigeria. <i>New England Journal of Medicine</i> , 2010 , 362, 2360-9	59.2	107
108	The Burden of Typhoid and Paratyphoid in India: Systematic Review and Meta-analysis. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004616	4.8	105
107	Comparison of molecular testing strategies for COVID-19 control: a mathematical modelling study. <i>Lancet Infectious Diseases, The</i> , 2020 , 20, 1381-1389	25.5	102
106	Causes of impaired oral vaccine efficacy in developing countries. <i>Future Microbiology</i> , 2018 , 13, 97-118	2.9	92
105	The UNAIDS Estimation and Projection Package: a software package to estimate and project national HIV epidemics. <i>Sexually Transmitted Infections</i> , 2004 , 80 Suppl 1, i5-9	2.8	92
104	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. <i>Aids</i> , 2002 , 16, W1-14	3.5	89

103	Polio eradication. Efficacy of inactivated poliovirus vaccine in India. <i>Science</i> , 2014 , 345, 922-5	33.3	85
102	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. <i>Lancet, The</i> , 2014 , 384, 1505-12	40	75
101	Back to basics in HIV prevention: focus on exposure. <i>BMJ, The</i> , 2003 , 326, 1384-7	5.9	75
100	The epidemiology of non-polio enteroviruses: recent advances and outstanding questions. <i>Current Opinion in Infectious Diseases</i> , 2015 , 28, 479-87	5.4	71
99	A diagnostics platform for the integrated mapping, monitoring, and surveillance of neglected tropical diseases: rationale and target product profiles. <i>PLoS Neglected Tropical Diseases</i> , 2012 , 6, e1746	4.8	71
98	Projecting the demographic impact of AIDS and the number of people in need of treatment: updates to the Spectrum projection package. <i>Sexually Transmitted Infections</i> , 2006 , 82 Suppl 3, iii45-50	2.8	67
97	Estimating the global burden of HIV/AIDS: what do we really know about the HIV pandemic?. <i>Lancet, The</i> , 2004 , 363, 2180-5	40	66
96	The natural history of trachoma infection and disease in a Gambian cohort with frequent follow-up. <i>PLoS Neglected Tropical Diseases</i> , 2008 , 2, e341	4.8	65
95	The development of an age-structured model for trachoma transmission dynamics, pathogenesis and control. <i>PLoS Neglected Tropical Diseases</i> , 2009 , 3, e462	4.8	65
94	Mucosal immunity after vaccination with monovalent and trivalent oral poliovirus vaccine in India. <i>Journal of Infectious Diseases</i> , 2009 , 200, 794-801	7	63
93	Influence of the intestinal microbiota on the immunogenicity of oral rotavirus vaccine given to infants in south India. <i>Vaccine</i> , 2018 , 36, 264-272	4.1	62
92	Modelling emerging HIV epidemics: the role of injecting drug use and sexual transmission in the Russian Federation, China and India. <i>International Journal of Drug Policy</i> , 2003 , 14, 25-43	5.5	57
91	Serotype-specific immunity explains the incidence of diseases caused by human enteroviruses. <i>Science</i> , 2018 , 361, 800-803	33.3	55
90	Context-dependent amphibian host population response to an invading pathogen. <i>Ecology</i> , 2013 , 94, 1795-804	4.6	53
89	Influence of enteric infections on response to oral poliovirus vaccine: a systematic review and meta-analysis. <i>Journal of Infectious Diseases</i> , 2014 , 210, 853-64	7	53
88	Waning intestinal immunity after vaccination with oral poliovirus vaccines in India. <i>Journal of Infectious Diseases</i> , 2012 , 205, 1554-61	7	53
87	The seasonality of nonpolio enteroviruses in the United States: Patterns and drivers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 3078-3083	11.5	52
86	The final stages of the global eradication of poliomyelitis. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013 , 368, 20120140	5.8	52

85	Uncertainty in estimates of HIV/AIDS: the estimation and application of plausibility bounds. <i>Sexually Transmitted Infections</i> , 2004 , 80 Suppl 1, i31-38	2.8	51
84	Estimating the health impact of vaccination against ten pathogens in 98 low-income and middle-income countries from 2000 to 2030: a modelling study. <i>Lancet, The</i> , 2021 , 397, 398-408	4.0	51
83	Effectiveness of immunization against paralytic poliomyelitis in Nigeria. <i>New England Journal of Medicine</i> , 2008 , 359, 1666-74	59.2	50
82	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. <i>Vaccine</i> , 2018 , 36, 273-279	4.1	46
81	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. <i>Lancet, The</i> , 2012 , 380, 491-8	4.0	46
80	Population dynamics of HIV-1 inferred from gene sequences. <i>Genetics</i> , 1999 , 151, 427-38	4	42
79	The effectiveness of HIV prevention and the epidemiological context. <i>Bulletin of the World Health Organization</i> , 2001 , 79, 1121-32	8.2	40
78	Impact of inactivated poliovirus vaccine on mucosal immunity: implications for the polio eradication endgame. <i>Expert Review of Vaccines</i> , 2015 , 14, 1113-23	5.2	39
77	The effect of azithromycin on the immunogenicity of oral poliovirus vaccine: a double-blind randomised placebo-controlled trial in seronegative Indian infants. <i>Lancet Infectious Diseases, The</i> , 2016 , 16, 905-14	25.5	39
76	Interventions to improve oral vaccine performance: a systematic review and meta-analysis. <i>Lancet Infectious Diseases, The</i> , 2019 , 19, 203-214	25.5	38
75	Changes in the intestinal microbiota following the administration of azithromycin in a randomised placebo-controlled trial among infants in south India. <i>Scientific Reports</i> , 2017 , 7, 9168	4.9	38
74	Immunogenicity and effectiveness of routine immunization with 1 or 2 doses of inactivated poliovirus vaccine: systematic review and meta-analysis. <i>Journal of Infectious Diseases</i> , 2014 , 210 Suppl 1, S439-46	7	38
73	Estimating household and community transmission of ocular Chlamydia trachomatis. <i>PLoS Neglected Tropical Diseases</i> , 2009 , 3, e401	4.8	38
72	Trachoma: transmission, infection, and control. <i>Lancet Infectious Diseases, The</i> , 2007 , 7, 420-7	25.5	38
71	Evolving epidemiology of poliovirus serotype 2 following withdrawal of the serotype 2 oral poliovirus vaccine. <i>Science</i> , 2020 , 368, 401-405	33.3	36
70	The role of older children and adults in wild poliovirus transmission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 10604-9	11.5	36
69	Asymptomatic wild-type poliovirus infection in India among children with previous oral poliovirus vaccination. <i>Journal of Infectious Diseases</i> , 2010 , 201, 1535-43	7	36
68	Key issues in the persistence of poliomyelitis in Nigeria: a case-control study. <i>The Lancet Global Health</i> , 2014 , 2, e90-7	13.6	34

67	Exploring the relationship between environmental enteric dysfunction and oral vaccine responses. <i>Future Microbiology</i> , 2018 , 13, 1055-1070	2.9	32
66	Preventing Vaccine-Derived Poliovirus Emergence during the Polio Endgame. <i>PLoS Pathogens</i> , 2016 , 12, e1005728	7.6	32
65	Antiretroviral therapy to treat and prevent HIV/AIDS in resource-poor settings. <i>Nature Medicine</i> , 2002 , 8, 651-4	50.5	30
64	A statistical model of the international spread of wild poliovirus in Africa used to predict and prevent outbreaks. <i>PLoS Medicine</i> , 2011 , 8, e1001109	11.6	29
63	The workbook approach to making estimates and projecting future scenarios of HIV/AIDS in countries with low level and concentrated epidemics. <i>Sexually Transmitted Infections</i> , 2004 , 80 Suppl 1, i10-13	2.8	27
62	Type 2 Poliovirus Detection after Global Withdrawal of Trivalent Oral Vaccine. <i>New England Journal of Medicine</i> , 2018 , 379, 834-845	59.2	27
61	Quantifying Transmission Heterogeneity Using Both Pathogen Phylogenies and Incidence Time Series. <i>Molecular Biology and Evolution</i> , 2017 , 34, 2982-2995	8.3	24
60	Influence of Nonpolio Enteroviruses and the Bacterial Gut Microbiota on Oral Poliovirus Vaccine Response: A Study from South India. <i>Journal of Infectious Diseases</i> , 2019 , 219, 1178-1186	7	23
59	The potential impact of routine immunization with inactivated poliovirus vaccine on wild-type or vaccine-derived poliovirus outbreaks in a posteradication setting. <i>American Journal of Epidemiology</i> , 2013 , 178, 1579-87	3.8	21
58	Comparison of household-survey estimates with projections of mortality and orphan numbers in sub-Saharan Africa in the era of HIV/AIDS. <i>Population Studies</i> , 2004 , 58, 207-17	2.5	21
57	Methods to estimate the number of orphans as a result of AIDS and other causes in Sub-Saharan Africa. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2005 , 39, 365-75	3.1	20
56	Routine immunization in Pakistan: comparison of multiple data sources and identification of factors associated with vaccination. <i>International Health</i> , 2018 , 10, 84-91	2.4	18
55	Genomic analysis of emerging pathogens: methods, application and future trends. <i>Genome Biology</i> , 2014 , 15, 541	18.3	18
54	The economic impact of HIV/AIDS on the education sector in Zambia. <i>Aids</i> , 2003 , 17, 1039-44	3.5	18
53	Mortality among human immunodeficiency virus type 2-positive villagers in rural Guinea-Bissau is correlated with viral genotype. <i>Journal of Virology</i> , 1998 , 72, 7895-9	6.6	17
52	Risk factors and short-term projections for serotype-1 poliomyelitis incidence in Pakistan: A spatiotemporal analysis. <i>PLoS Medicine</i> , 2017 , 14, e1002323	11.6	17
51	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. <i>BMJ Open</i> , 2017 , 7, e016577	3	16
50	Biological challenges to effective vaccines in the developing world. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015 , 370,	5.8	16

49	Antibiotic Resistance in <i>Streptococcus pneumoniae</i> after Azithromycin Distribution for Trachoma. <i>Journal of Tropical Medicine</i> , 2015 , 2015, 917370	2.4	16
48	Targeting antibiotics to households for trachoma control. <i>PLoS Neglected Tropical Diseases</i> , 2010 , 4, e8624.	4.8	16
47	Using a nonparametric multilevel latent Markov model to evaluate diagnostics for trachoma. <i>American Journal of Epidemiology</i> , 2013 , 177, 913-22	3.8	15
46	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. <i>Contemporary Clinical Trials Communications</i> , 2017 , 5, 49-55	1.8	14
45	Population Immunity against Serotype-2 Poliomyelitis Leading up to the Global Withdrawal of the Oral Poliovirus Vaccine: Spatio-temporal Modelling of Surveillance Data. <i>PLoS Medicine</i> , 2016 , 13, e1002140	11.6	13
44	Rapid and Sensitive Direct Detection and Identification of Poliovirus from Stool and Environmental Surveillance Samples by Use of Nanopore Sequencing. <i>Journal of Clinical Microbiology</i> , 2020 , 58,	9.7	12
43	Population sensitivity of acute flaccid paralysis and environmental surveillance for serotype 1 poliovirus in Pakistan: an observational study. <i>BMC Infectious Diseases</i> , 2018 , 18, 176	4	12
42	Vaccine schedules and the effect on humoral and intestinal immunity against poliovirus: a systematic review and network meta-analysis. <i>Lancet Infectious Diseases</i> , 2019 , 19, 1121-1128	25.5	12
41	Faster Detection of Poliomyelitis Outbreaks to Support Polio Eradication. <i>Emerging Infectious Diseases</i> , 2016 , 22, 449-56	10.2	12
40	Characterizing Environmental Surveillance Sites in Nigeria and Their Sensitivity to Detect Poliovirus and Other Enteroviruses. <i>Journal of Infectious Diseases</i> , 2020 ,	7	11
39	Estimated Effect of Inactivated Poliovirus Vaccine Campaigns, Nigeria and Pakistan, January 2014-April 2016. <i>Emerging Infectious Diseases</i> , 2017 , 23, 258-263	10.2	11
38	The future of the HIV pandemic. <i>Bulletin of the World Health Organization</i> , 2005 , 83, 378-82	8.2	11
37	The Duration of Intestinal Immunity After an Inactivated Poliovirus Vaccine Booster Dose in Children Immunized With Oral Vaccine: A Randomized Controlled Trial. <i>Journal of Infectious Diseases</i> , 2017 , 215, 529-536	7	11
36	An assessment of the geographical risks of wild and vaccine-derived poliomyelitis outbreaks in Africa and Asia. <i>BMC Infectious Diseases</i> , 2017 , 17, 367	4	10
35	Monitoring trends in HIV prevalence among young people, aged 15 to 24 years, in Manicaland, Zimbabwe. <i>Journal of the International AIDS Society</i> , 2011 , 14, 27	5.4	10
34	Error, population structure and the origin of diverse sign systems. <i>Journal of Theoretical Biology</i> , 2000 , 206, 369-78	2.3	10
33	Estimating the Future Impact of a Multi-Pronged Intervention Strategy on Ocular Disease Sequelae Caused by Trachoma: A Modeling Study. <i>Ophthalmic Epidemiology</i> , 2015 , 22, 394-402	1.9	9
32	Maximising the global use of HIV surveillance data through the development and sharing of analytical tools. <i>Sexually Transmitted Infections</i> , 2004 , 80 Suppl 1, i1-4	2.8	9

31	AIDS: the makings of a development disaster?. <i>Journal of International Development</i> , 2001 , 13, 391-409	1.3	9
30	Modelling trachoma for control programmes. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 673, 141-56	3.6	9
29	A New Method for Estimating the Coverage of Mass Vaccination Campaigns Against Poliomyelitis From Surveillance Data. <i>American Journal of Epidemiology</i> , 2015 , 182, 961-70	3.8	7
28	The role of genetic sequencing and analysis in the polio eradication programme. <i>Virus Evolution</i> , 2020 , 6, veaa040	3.7	7
27	A pilot study on use of live attenuated rotavirus vaccine (Rotarix) as an infection challenge model. <i>Vaccine</i> , 2020 , 38, 7357-7362	4.1	5
26	Polio vaccination: preparing for a change of routine. <i>Lancet, The</i> , 2016 , 388, 107-8	4.0	5
25	Factors determining anti-poliovirus type 3 antibodies among orally immunised Indian infants. <i>Vaccine</i> , 2016 , 34, 4979-4984	4.1	5
24	Impact of maternal antibodies and microbiota development on the immunogenicity of oral rotavirus vaccine in African, Indian, and European infants.. <i>Nature Communications</i> , 2021 , 12, 7288	17.4	5
23	Quantity of Vaccine Poliovirus Shed Determines the Titer of the Serum Neutralizing Antibody Response in Indian Children Who Received Oral Vaccine. <i>Journal of Infectious Diseases</i> , 2018 , 217, 1395-1398	7.398	4
22	Unravelling mucosal immunity to poliovirus. <i>Lancet Infectious Diseases, The</i> , 2016 , 16, 1310-1311	25.5	4
21	Spatial Dynamics and High Risk Transmission Pathways of Poliovirus in Nigeria 2001-2013. <i>PLoS ONE</i> , 2016 , 11, e0163065	3.7	4
20	Reconstructing the COVID-19 epidemic in Delhi, India: infection attack rate and reporting of deaths		4
19	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. <i>Lancet Infectious Diseases, The</i> , 2021 ,	25.5	3
18	Rapid and sensitive direct detection and identification of poliovirus from stool and environmental surveillance samples using nanopore sequencing		3
17	FUT2 Secretor Status Is Not Associated With Oral Poliovirus Vaccine Immunogenicity in South Indian Infants. <i>Journal of Infectious Diseases</i> , 2019 , 219, 578-581	7	3
16	Effect of Inactivated Poliovirus Vaccine Campaigns, Pakistan, 2014-2017. <i>Emerging Infectious Diseases</i> , 2018 , 24, 2113-2115	10.2	3
15	New vaccine strategies to finish polio eradication. <i>Lancet Infectious Diseases, The</i> , 2015 , 15, 864-5	25.5	2
14	Immune predictors of oral poliovirus vaccine immunogenicity among infants in South India. <i>Npj Vaccines</i> , 2020 , 5, 27	9.5	2

13	Eradicating polio with a vaccine we must stop using. <i>Lancet Infectious Diseases, The</i> , 2018 , 18, 590-591	25.5	2
12	Enhancing Rotavirus Vaccination: A Microbial Fix?. <i>Cell Host and Microbe</i> , 2018 , 24, 195-196	23.4	2
11	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
10	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. <i>Vaccine</i> , 2021 ,	4.1	2
9	Surveillance optimisation to detect poliovirus in the pre-eradication era: a modelling study of England and Wales. <i>Epidemiology and Infection</i> , 2020 , 148, e157	4.3	1
8	Integration, community engagement, and polio eradication in Nigeria - authorsSreply. <i>The Lancet Global Health</i> , 2014 , 2, e316	13.6	1
7	Response--Influenza. <i>Science</i> , 2009 , 325, 1072-1073	33.3	1
6	Explicit models make for better policy. <i>International Journal of Drug Policy</i> , 2003 , 14, 339-341	5.5	1
5	Changes in transmission of Enterovirus D68 (EV-D68) in England inferred from seroprevalence data		1
4	Reassessing Reported Deaths and Estimated Infection Attack Rate during the First 6 Months of the COVID-19 Epidemic, Delhi, India.. <i>Emerging Infectious Diseases</i> , 2022 , 28,	10.2	1
3	Protective efficacy of a monovalent oral type 1 poliovirus vaccine [AuthorsSreply. <i>Lancet, The</i> , 2007 , 370, 129-130	40	0
2	Factors Predicting Blood Culture Positivity in Children With Enteric Fever.. <i>Journal of Infectious Diseases</i> , 2021 , 224, S484-S493	7	0
1	Salmonella Typhi Shedding and Household Transmission by Children With Blood Culture-Confirmed Typhoid Fever in Vellore, South India.. <i>Journal of Infectious Diseases</i> , 2021 , 224, S593-S600	7	0