Daniel M Weinberger

List of Publications by Year
in descending order

101 papers	6,983 citations	117625 34 h-index	71685 76 g-index
130 all docs	130 docs citations	130 times ranked	9676 citing authors

#	Article	IF	Citations
1	Serotype replacement in disease after pneumococcal vaccination. Lancet, The, 2011, 378, 1962-1973.	13.7	833
2	Measurement of SARS-CoV-2 RNA in wastewater tracks community infection dynamics. Nature Biotechnology, 2020, 38, 1164-1167.	17.5	785
3	Excess Deaths From COVID-19 and Other Causes, March-April 2020. JAMA - Journal of the American Medical Association, 2020, 324, 510.	7.4	396
4	Estimation of Excess Deaths Associated With the COVID-19 Pandemic in the United States, March to May 2020. JAMA Internal Medicine, 2020, 180, 1336.	5.1	374
5	Association of Serotype with Risk of Death Due to Pneumococcal Pneumonia: A Metaâ€Analysis. Clinical Infectious Diseases, 2010, 51, 692-699.	5.8	297
6	Recurrent Potent Human Neutralizing Antibodies to Zika Virus in Brazil and Mexico. Cell, 2017, 169, 597-609.e11.	28.9	279
7	Impact of 13-Valent Pneumococcal Conjugate Vaccination in Invasive Pneumococcal Disease Incidence and Mortality. Clinical Infectious Diseases, 2014, 59, 1066-1073.	5.8	266
8	Pneumococcal Capsular Polysaccharide Structure Predicts Serotype Prevalence. PLoS Pathogens, 2009, 5, e1000476.	4.7	264
9	Excess Deaths From COVID-19 and Other Causes, March-July 2020. JAMA - Journal of the American Medical Association, 2020, 324, 1562.	7.4	259
10	The burden of typhoid fever in low- and middle-income countries: A meta-regression approach. PLoS Neglected Tropical Diseases, 2017, 11, e0005376.	3.0	212
11	Association between Respiratory Syncytial Virus Activity and Pneumococcal Disease in Infants: A Time Series Analysis of US Hospitalization Data. PLoS Medicine, 2015, 12, e1001776.	8.4	143
12	Odds of Testing Positive for SARS-CoV-2 Following Receipt of 3 vs 2 Doses of the BNT162b2 mRNA Vaccine. JAMA Internal Medicine, 2022, 182, 179.	5.1	128
13	Identifying the Interaction Between Influenza and Pneumococcal Pneumonia Using Incidence Data. Science Translational Medicine, 2013, 5, 191ra84.	12.4	123
14	Impact of the 2009 Influenza Pandemic on Pneumococcal Pneumonia Hospitalizations in the United States. Journal of Infectious Diseases, 2012, 205, 458-465.	4.0	122
15	Epidemiologic Evidence for Serotypeâ€Specific Acquired Immunity to Pneumococcal Carriage. Journal of Infectious Diseases, 2008, 197, 1511-1518.	4.0	117
16	Vaccination with BNT162b2 reduces transmission of SARS-CoV-2 to household contacts in Israel. Science, 2022, 375, 1151-1154.	12.6	109
17	Decline in Pneumococcal Disease in Young Children During the Coronavirus Disease 2019 (COVID-19) Pandemic in Israel Associated With Suppression of Seasonal Respiratory Viruses, Despite Persistent Pneumococcal Carriage: A Prospective Cohort Study. Clinical Infectious Diseases, 2022, 75, e1154-e1164.	5.8	95
18	Identifying climate drivers of infectious disease dynamics: recent advances and challenges ahead. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170901.	2.6	91

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19	Streptococcus pneumoniae Capsular Serotype Invasiveness Correlates with the Degree of Factor H Binding and Opsonization with C3b/iC3b. Infection and Immunity, 2013, 81, 354-363.	2.2	83
20	Estimating Rates of Carriage Acquisition and Clearance and Competitive Ability for Pneumococcal Serotypes in Kenya With a Markov Transition Model. Epidemiology, 2012, 23, 510-519.	2.7	79
21	Expression of the Helicobacter pylori adhesin SabA is controlled via phase variation and the ArsRS signal transduction system. Microbiology (United Kingdom), 2008, 154, 2231-2240.	1.8	72
22	Seasonal Drivers of Pneumococcal Disease Incidence: Impact of Bacterial Carriage and Viral Activity. Clinical Infectious Diseases, 2014, 58, 188-194.	5.8	69
23	Impaired Innate and Adaptive Immunity to Streptococcus pneumoniae and Its Effect on Colonization in an Infant Mouse Model. Infection and Immunity, 2009, 77, 1613-1622.	2.2	63
24	Estimation of the Timing and Intensity of Reemergence of Respiratory Syncytial Virus Following the COVID-19 Pandemic in the US. JAMA Network Open, 2021, 4, e2141779.	5.9	61
25	Using Pneumococcal Carriage Data to Monitor Postvaccination Changes in Invasive Disease. American Journal of Epidemiology, 2013, 178, 1488-1495.	3.4	60
26	Rapid emergence of SARS-CoV-2 Omicron variant is associated with an infection advantage over Delta in vaccinated persons. Med, 2022, 3, 325-334.e4.	4.4	60
27	Estimating the population-level impact of vaccines using synthetic controls. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1524-1529.	7.1	59
28	Surface Charge of Streptococcus pneumoniae Predicts Serotype Distribution. Infection and Immunity, 2013, 81, 4519-4524.	2.2	54
29	El NiÃ±o Southern Oscillation and Leptospirosis Outbreaks in New Caledonia. PLoS Neglected Tropical Diseases, 2014, 8, e2798.	3.0	52
30	Epidemiological Markers for Interactions AmongStreptococcus pneumoniae,Haemophilus influenzae, andStaphylococcus aureusin Upper Respiratory Tract Carriage. Journal of Infectious Diseases, 2016, 213, 1596-1605.	4.0	49
31	Effect of pneumococcal conjugate vaccine introduction on childhood pneumonia mortality in Brazil: a retrospective observational study. The Lancet Global Health, 2019, 7, e249-e256.	6.3	48
32	Effect of Serotype on Pneumococcal Competition in a Mouse Colonization Model. MBio, 2015, 6, e00902-15.	4.1	47
33	Broad antibody and T cell reactivity induced by a pneumococcal whole-cell vaccine. Vaccine, 2012, 30, 4316-4322.	3.8	46
34	Relating Pneumococcal Carriage Among Children to Disease Rates Among Adults Before and After the Introduction of Conjugate Vaccines. American Journal of Epidemiology, 2016, 183, 1055-1062.	3.4	45
35	Association Between the Decline in Pneumococcal Disease in Unimmunized Adults and Vaccine-Derived Protection Against Colonization in Toddlers and Preschool-Aged Children. American Journal of Epidemiology, 2019, 188, 160-168.	3.4	45
36	Reemergence of Invasive Pneumococcal Disease in Germany During the Spring and Summer of 2021. Clinical Infectious Diseases, 2022, 75, 1149-1153.	5.8	37

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37	Prediction of Serotypes Causing Invasive Pneumococcal Disease in Unvaccinated and Vaccinated Populations. Epidemiology, 2011, 22, 199-207.	2.7	35
38	Influence of Pneumococcal Vaccines and Respiratory Syncytial Virus on Alveolar Pneumonia, Israel. Emerging Infectious Diseases, 2013, 19, 1084-1091.	4.3	34
39	Pneumococcal disease seasonality: incidence, severity and the role of influenza activity. European Respiratory Journal, 2014, 43, 833-841.	6.7	33
40	Upper respiratory tract colonization withStreptococcus pneumoniaein adults. Expert Review of Vaccines, 2020, 19, 353-366.	4.4	31
41	Excess Cerebrovascular Mortality in the United States During the COVID-19 Pandemic. Stroke, 2021, 52, 563-572.	2.0	30
42	Influenza Epidemics in Iceland Over 9 Decades: Changes in Timing and Synchrony With the United States and Europe. American Journal of Epidemiology, 2012, 176, 649-655.	3.4	29
43	Serotype-Specific Effect of Influenza on Adult Invasive Pneumococcal Pneumonia. Journal of Infectious Diseases, 2013, 208, 1274-1280.	4.0	28
44	Using pneumococcal carriage studies to monitor vaccine impact in low- and middle-income countries. Vaccine, 2019, 37, 6299-6309.	3.8	26
45	Density, Serotype Diversity, and Fitness ofStreptococcus pneumoniaein Upper Respiratory Tract Cocolonization With NontypeableHaemophilus influenzae. Journal of Infectious Diseases, 2016, 214, 1411-1420.	4.0	25
46	Declines in Human Papillomavirus (HPV)â€“Associated High-Grade Cervical Lesions After Introduction of HPV Vaccines in Connecticut, United States, 2008â€“2015. Clinical Infectious Diseases, 2017, 65, 884-889.	5.8	24
47	Declines in Pneumonia Mortality Following the Introduction of Pneumococcal Conjugate Vaccines in Latin American and Caribbean Countries. Clinical Infectious Diseases, 2021, 73, 306-313.	5.8	24
48	Pan-serotype Reduction in Progression of Streptococcus pneumoniae to Otitis Media After Rollout of Pneumococcal Conjugate Vaccines. Clinical Infectious Diseases, 2017, 65, 1853-1861.	5.8	23
49	Seroprevalence, Risk Factors, and Rodent Reservoirs of Leptospirosis in an Urban Community of Puerto Rico, 2015. Journal of Infectious Diseases, 2019, 220, 1489-1497.	4.0	23
50	Estimating the True Burden of Legionnairesâ€™ Disease. American Journal of Epidemiology, 2019, 188, 1686-1694.	3.4	23
51	Differences and Temporal Changes in Risk of Invasive Pneumococcal Disease in Adults with Hematological Malignancies: Results from a Nationwide 16-Year Cohort Study. Clinical Infectious Diseases, 2021, 72, 463-471.	5.8	23
52	Challenges to estimating vaccine impact using hospitalization data. Vaccine, 2017, 35, 118-124.	3.8	22
53	Impact of Pneumococcal Conjugate Vaccines on Pneumonia Hospitalizations in High- and Low-Income Subpopulations in Brazil. Clinical Infectious Diseases, 2017, 65, 1813-1818.	5.8	21
54	Estimated impact of the pneumococcal conjugate vaccine on pneumonia mortality in South Africa, 1999 through 2016: An ecological modelling study. PLoS Medicine, 2021, 18, e1003537.	8.4	21

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55	Forecasting Temporal Dynamics of Cutaneous Leishmaniasis in Northeast Brazil. PLoS Neglected Tropical Diseases, 2014, 8, e3283.	3.0	20
56	Reduced-Dose Schedule of Prophylaxis Based on Local Data Provides Near-Optimal Protection Against Respiratory Syncytial Virus. Clinical Infectious Diseases, 2015, 61, 506-514.	5.8	20
57	Challenges in Estimating the Impact of Vaccination with Sparse Data. Epidemiology, 2019, 30, 61-68.	2.7	19
58	Nasopharyngeal carriage of Streptococcus pneumoniae among children in an urban setting in Brazil prior to PCV10 introduction. Vaccine, 2016, 34, 791-797.	3.8	18
59	Bayesian Model Averaging with Change Points to Assess the Impact of Vaccination and Public Health Interventions. Epidemiology, 2017, 28, 889-897.	2.7	17
60	Mapping partner drug resistance to guide antimalarial combination therapy policies in sub-Saharan Africa. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	17
61	Local variations in the timing of RSV epidemics. BMC Infectious Diseases, 2016, 16, 674.	2.9	15
62	Differences in the Impact of Pneumococcal Serotype Replacement in Individuals With and Without Underlying Medical Conditions. Clinical Infectious Diseases, 2019, 69, 100-106.	5.8	15
63	Community factors associated with local epidemic timing of respiratory syncytial virus: A spatiotemporal modeling study. Science Advances, 2021, 7, .	10.3	14
64	Pneumococcal conjugate vaccines for adults. Human Vaccines and Immunotherapeutics, 2014, 10, 1334-1336.	3.3	13
65	Increasing similarity in the dynamics of influenza in two adjacent subtropical Chinese cities following the relaxation of border restrictions. Journal of General Virology, 2014, 95, 531-538.	2.9	13
66	Influenza-like illness in an urban community of Salvador, Brazil: incidence, seasonality and risk factors. BMC Infectious Diseases, 2016, 16, 125.	2.9	13
67	Variation of growth characteristics of pneumococcus with environmental conditions. BMC Microbiology, 2019, 19, 304.	3.3	13
68	Evaluating post-vaccine expansion patterns of pneumococcal serotypes. Vaccine, 2020, 38, 7756-7763.	3.8	13
69	Trends in Hospitalizations With Primary Varicella and Herpes Zoster During the Prevaricella and Initial Postvaricella and Herpes Zoster Vaccine Eras, Connecticut, 1994â€“2012. Open Forum Infectious Diseases, 2015, 2, ofv001.	0.9	12
70	Developing Better Pneumococcal Vaccines for Adults. JAMA Internal Medicine, 2017, 177, 303.	5.1	12
71	Association Between Local Pediatric Vaccination Rates and Patterns of Pneumococcal Disease in Adults. Journal of Infectious Diseases, 2016, 213, 509-515.	4.0	11
72	Effect of ten-valent pneumococcal conjugate vaccine introduction on pneumonia hospital admissions in Fiji: a time-series analysis. The Lancet Global Health, 2021, 9, e91-e98.	6.3	11

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73	Impact of pneumococcal conjugate vaccine on pneumonia hospitalization and mortality in children and elderly in Ecuador: Time series analyses. Vaccine, 2020, 38, 7033-7039.	3.8	10
74	Serotype Patterns of Pneumococcal Disease in Adults Are Correlated With Carriage Patterns in Older Children. Clinical Infectious Diseases, 2021, 72, e768-e775.	5.8	10
75	Determining the serotype composition of mixed samples of pneumococcus using whole-genome sequencing. Microbial Genomics, 2021, 7, .	2.0	10
76	Improving Assessments of Population-level Vaccine Impact. Epidemiology, 2017, 28, 233-236.	2.7	9
77	Navigating Through Health Care Data Disrupted by the COVID-19 Pandemic. JAMA Internal Medicine, 2020, 180, 1569.	5.1	9
78	Relative timing of respiratory syncytial virus epidemics in summer 2021 across the United States was similar to a typical winter season. Influenza and Other Respiratory Viruses, 2022, 16, 617-620.	3.4	9
79	Serotype replacement after pneumococcal vaccination â€“ Authors' reply. Lancet, The, 2012, 379, 1388-1389.	13.7	8
80	The Pneumococcusâ€“Respiratory Virus Connectionâ€”Unexpected Lessons From the COVID-19 Pandemic. JAMA Network Open, 2022, 5, e2218966.	5.9	8
81	Identifying signatures of the impact of rotavirus vaccines on hospitalizations using sentinel surveillance data from Latin American countries. Vaccine, 2020, 38, 323-329.	3.8	6
82	Estimating Serotype-specific Efficacy of Pneumococcal Conjugate Vaccines Using Hierarchical Models. Epidemiology, 2020, 31, 259-262.	2.7	6
83	Pneumococcal Vaccines for Adults: Whatâ€™s Next?. Clinical Infectious Diseases, 2020, 70, 2493-2495.	5.8	5
84	Filling evidence gaps on the impact of pneumococcal vaccines. Lancet Infectious Diseases, The, 2017, 17, 888-889.	9.1	4
85	Correlates of Nonrandom Patterns of Serotype Switching in Pneumococcus. Journal of Infectious Diseases, 2020, 221, 1669-1676.	4.0	4
86	Real-time monitoring of the rollout of pneumococcal conjugate vaccines in rural India using a digital tracking platform. Gates Open Research, 0, 5, 16.	1.1	4
87	Excess Deaths in Mexico City and New York City During the COVID-19 Pandemic, March to August 2020. American Journal of Public Health, 2021, 111, e1-e4.	2.7	4
88	Impact of pneumococcal conjugate vaccine uptake on childhood pneumonia mortality across income levels in Brazil, Colombia, and Peru. Gates Open Research, 2020, 4, 136.	1.1	4
89	Prevention of Pneumococcal Infections in Adults Using Conjugate Vaccines: No Easy Answers. Clinical Infectious Diseases, 2019, 69, 50-51.	5.8	3
90	Assessment and optimization of respiratory syncytial virus prophylaxis in Connecticut, 1996â€“2013. Scientific Reports, 2021, 11, 10684.	3.3	3

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91	Prevalence of Infection and Co-Infection and Presence of Rickettsial Endosymbionts in (Acari:) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.7	3
92	Incorporating Information on Control Diseases Across Space and Time to Improve Estimation of the Population-level Impact of Vaccines. Epidemiology, 2021, 32, 360-367.	2.7	1
93	Estimating the power to detect a change caused by a vaccine from time series data. Gates Open Research, 2020, 4, 27.	1.1	1
94	OUP accepted manuscript. American Journal of Epidemiology, 2021, , .	3.4	1
95	Reply to Rucinski et al. Journal of Infectious Diseases, 2018, 218, 670-671.	4.0	0
96	Evidence for multiple cases of recurrent Legionella infection: a Danish national surveillance study. Thorax, 2021, 76, 826-828.	5.6	0
97	Estimating the power to detect a change caused by a vaccine from time series data. Gates Open Research, 2020, 4, 27.	1.1	0
98	Trends in Precancerous Cervical Lesions by Area-Based Measures of Poverty, Race, and Ethnicity, Connecticut, 2008-2018. Public Health Reports, 2021, , 003335492110563.	2.5	0
99	762. Climate Change and the Seroprevalence of Borrelia burgdorferi over 25 Years in Rhode Island. Open Forum Infectious Diseases, 2020, 7, S427-S427.	0.9	0
100	1321. Acquisition and Transmission of Streptococcus pneumoniae in Individuals Over the Age of 60 Years Residing in New Haven, CT, USA. Open Forum Infectious Diseases, 2021, 8, S749-S749.	0.9	0
101	301. Detection of Pneumococcal Pneumonia During SARS-CoV-2 Infection. Open Forum Infectious Diseases, 2021, 8, S257-S257.	0.9	0