

# Nicholas G Reich

## List of Publications by Year in descending order

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Version: 2024-02-01

86  
papers

10,526  
citations

136740

32  
h-index

82410

72  
g-index

102  
all docs

102  
docs citations

102  
times ranked

17093  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Incubation Period of Coronavirus Disease 2019 (COVID-19) From Publicly Reported Confirmed Cases: Estimation and Application. <i>Annals of Internal Medicine</i> , 2020, 172, 577-582.	2.0	4,808
2	Incubation periods of acute respiratory viral infections: a systematic review. <i>Lancet Infectious Diseases</i> , The, 2009, 9, 291-300.	4.6	684
3	N95 Respirators vs Medical Masks for Preventing Influenza Among Health Care Personnel. <i>JAMA - Journal of the American Medical Association</i> , 2019, 322, 824.	3.8	388
4	Estimation of Excess Deaths Associated With the COVID-19 Pandemic in the United States, March to May 2020. <i>JAMA Internal Medicine</i> , 2020, 180, 1336.	2.6	374
5	Outbreak of 2009 Pandemic Influenza A (H1N1) at a New York City School. <i>New England Journal of Medicine</i> , 2009, 361, 2628-2636.	13.9	284
6	Interactions between serotypes of dengue highlight epidemiological impact of cross-immunity. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20130414.	1.5	254
7	A collaborative multiyear, multimodel assessment of seasonal influenza forecasting in the United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3146-3154.	3.3	199
8	Daily chlorhexidine bathing to reduce bacteraemia in critically ill children: a multicentre, cluster-randomised, crossover trial. <i>Lancet</i> , The, 2013, 381, 1099-1106.	6.3	187
9	An Evaluation of Environmental Decontamination With Hydrogen Peroxide Vapor for Reducing the Risk of Patient Acquisition of Multidrug-Resistant Organisms. <i>Clinical Infectious Diseases</i> , 2013, 56, 27-35.	2.9	186
10	Risk Factors for Peripherally Inserted Central Venous Catheter Complications in Children. <i>JAMA Pediatrics</i> , 2013, 167, 429.	3.3	154
11	Central Line-Associated Bloodstream Infection in Hospitalized Children with Peripherally Inserted Central Venous Catheters: Extending Risk Analyses Outside the Intensive Care Unit. <i>Clinical Infectious Diseases</i> , 2011, 52, 1108-1115.	2.9	138
12	An open challenge to advance probabilistic forecasting for dengue epidemics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 24268-24274.	3.3	136
13	Evaluation of individual and ensemble probabilistic forecasts of COVID-19 mortality in the United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2113561119.	3.3	136
14	Evaluating epidemic forecasts in an interval format. <i>PLoS Computational Biology</i> , 2021, 17, e1008618.	1.5	128
15	Modeling of Future COVID-19 Cases, Hospitalizations, and Deaths, by Vaccination Rates and Nonpharmaceutical Intervention Scenarios â€” United States, Aprilâ€”September 2021. <i>Morbidity and Mortality Weekly Report</i> , 2021, 70, 719-724.	9.0	126
16	Catheter Dwell Time and CLABSIs in Neonates With PICCs: A Multicenter Cohort Study. <i>Pediatrics</i> , 2013, 132, e1609-e1615.	1.0	120
17	Incubation periods of viral gastroenteritis: a systematic review. <i>BMC Infectious Diseases</i> , 2013, 13, 446.	1.3	119
18	Accuracy of real-time multi-model ensemble forecasts for seasonal influenza in the U.S.. <i>PLoS Computational Biology</i> , 2019, 15, e1007486.	1.5	119

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19	Estimating incubation period distributions with coarse data. <i>Statistics in Medicine</i> , 2009, 28, 2769-2784.	0.8	116
20	Preprints: An underutilized mechanism to accelerate outbreak science. <i>PLoS Medicine</i> , 2018, 15, e1002549.	3.9	100
21	Dried whole-plant <i>Artemisia annua</i> slows evolution of malaria drug resistance and overcomes resistance to artemisinin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 821-826.	3.3	98
22	Prediction of infectious disease epidemics via weighted density ensembles. <i>PLoS Computational Biology</i> , 2018, 14, e1005910.	1.5	97
23	Using "outbreak science" to strengthen the use of models during epidemics. <i>Nature Communications</i> , 2019, 10, 3102.	5.8	92
24	Dried Whole Plant <i>Artemisia annua</i> as an Antimalarial Therapy. <i>PLoS ONE</i> , 2012, 7, e52746.	1.1	90
25	Collaborative efforts to forecast seasonal influenza in the United States, 2015–2016. <i>Scientific Reports</i> , 2019, 9, 683.	1.6	90
26	Times to key events in Zika virus infection and implications for blood donation: a systematic review. <i>Bulletin of the World Health Organization</i> , 2016, 94, 841-849.	1.5	84
27	Evaluating the performance of infectious disease forecasts: A comparison of climate-driven and seasonal dengue forecasts for Mexico. <i>Scientific Reports</i> , 2016, 6, 33707.	1.6	82
28	Empirical Power and Sample Size Calculations for Cluster-Randomized and Cluster-Randomized Crossover Studies. <i>PLoS ONE</i> , 2012, 7, e35564.	1.1	51
29	Prospective forecasts of annual dengue hemorrhagic fever incidence in Thailand, 2010–2014. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2175-E2182.	3.3	51
30	Technology to advance infectious disease forecasting for outbreak management. <i>Nature Communications</i> , 2019, 10, 3932.	5.8	44
31	Infectious disease prediction with kernel conditional density estimation. <i>Statistics in Medicine</i> , 2017, 36, 4908-4929.	0.8	43
32	Recommended reporting items for epidemic forecasting and prediction research: The EPIFORGE 2020 guidelines. <i>PLoS Medicine</i> , 2021, 18, e1003793.	3.9	42
33	Challenges in Real-Time Prediction of Infectious Disease: A Case Study of Dengue in Thailand. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004761.	1.3	39
34	Protecting Healthcare Personnel in Outpatient Settings: The Influence of Mandatory Versus Nonmandatory Influenza Vaccination Policies on Workplace Absenteeism During Multiple Respiratory Virus Seasons. <i>Infection Control and Hospital Epidemiology</i> , 2018, 39, 452-461.	1.0	37
35	Career intentions of medical students in the setting of Nepal's rapidly expanding private medical education system. <i>Health Policy and Planning</i> , 2012, 27, 417-428.	1.0	35
36	Estimating Absolute and Relative Case Fatality Ratios from Infectious Disease Surveillance Data. <i>Biometrics</i> , 2012, 68, 598-606.	0.8	33

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37	Case Study in Evaluating Time Series Prediction Models Using the Relative Mean Absolute Error. <i>American Statistician</i> , 2016, 70, 285-292.	0.9	31
38	Aggregating predictions from experts: A review of statistical methods, experiments, and applications. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2021, 13, e1514.	2.1	31
39	Is hand hygiene before putting on nonsterile gloves in the intensive care unit a waste of health care worker time? A randomized controlled trial. <i>American Journal of Infection Control</i> , 2013, 41, 994-996.	1.1	29
40	The Respiratory Protection Effectiveness Clinical Trial (ResPECT): a cluster-randomized comparison of respirator and medical mask effectiveness against respiratory infections in healthcare personnel. <i>BMC Infectious Diseases</i> , 2016, 16, 243.	1.3	27
41	The Effect of Change in Body Mass Index on Volumetric Measures of Mammographic Density. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2015, 24, 1724-1730.	1.1	26
42	Identifying the Probable Timing and Setting of Respiratory Virus Infections. <i>Infection Control and Hospital Epidemiology</i> , 2010, 31, 809-815.	1.0	25
43	Regional and temporal variation in American Red Cross blood donations, 1995 to 2005. <i>Transfusion</i> , 2008, 48, 1576-1583.	0.8	24
44	Comparing trained and untrained probabilistic ensemble forecasts of COVID-19 cases and deaths in the United States. <i>International Journal of Forecasting</i> , 2023, 39, 1366-1383.	3.9	23
45	Impact of Colonization Pressure and Strain Type on Methicillin-Resistant <i>Staphylococcus aureus</i> Transmission in Children. <i>Clinical Infectious Diseases</i> , 2013, 57, 1458-1460.	2.9	22
46	The Effect of Cluster Size Variability on Statistical Power in Cluster-Randomized Trials. <i>PLoS ONE</i> , 2015, 10, e0119074.	1.1	19
47	Quantifying the Risk and Cost of Active Monitoring for Infectious Diseases. <i>Scientific Reports</i> , 2018, 8, 1093.	1.6	17
48	Risk Factors for Healthcare Personnel Infection With Endemic Coronaviruses (HKU1, OC43, NL63, 229E): Results from the Respiratory Protection Effectiveness Clinical Trial (ResPECT). <i>Clinical Infectious Diseases</i> , 2021, 73, e4428-e4432.	2.9	17
49	Visualizing Clinical Evidence: Citation Networks for the Incubation Periods of Respiratory Viral Infections. <i>PLoS ONE</i> , 2011, 6, e19496.	1.1	14
50	N95 Respirators or Surgical Masks to Protect Healthcare Workers against Respiratory Infections: Are We There Yet?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 187, 904-905.	2.5	12
51	Triggering Interventions for Influenza: The ALERT Algorithm. <i>Clinical Infectious Diseases</i> , 2015, 60, 499-504.	2.9	12
52	Reply to Bracher: Scoring probabilistic forecasts to maximize public health interpretability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20811-20812.	3.3	10
53	Identification and evaluation of epidemic prediction and forecasting reporting guidelines: A systematic review and a call for action. <i>Epidemics</i> , 2020, 33, 100400.	1.5	10
54	Seasonality of suicide behavior in Northwest Alaska: 1990-2009. <i>Public Health</i> , 2016, 137, 35-43.	1.4	9

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55	The Zoltar forecast archive, a tool to standardize and store interdisciplinary prediction research. <i>Scientific Data</i> , 2021, 8, 59.	2.4	9
56	Adaptively stacking ensembles for influenza forecasting. <i>Statistics in Medicine</i> , 2021, 40, 6931.	0.8	9
57	Detection of Heterogeneity of <i>Borrelia burgdorferi</i> in Ixodes Ticks by Culture-Dependent and Culture-Independent Methods. <i>Journal of Clinical Microbiology</i> , 2013, 51, 615-617.	1.8	8
58	flusight: interactive visualizations for infectious disease forecasts. <i>Journal of Open Source Software</i> , 2017, 2, 231.	2.0	8
59	Serological surveys to estimate cumulative incidence of SARS-CoV-2 infection in adults (Sero-MAss) Tj ETQq1 1 0.784314 rgBT /Overl	0.8	7
60	A Stochastic Simulator of a Blood Product Donation Environment with Demand Spikes and Supply Shocks. <i>PLoS ONE</i> , 2011, 6, e21752.	1.1	7
61	Improving efficiency in cluster-randomized study design and implementation: taking advantage of a crossover. <i>Open Access Journal of Clinical Trials</i> , 0, , 11.	1.5	6
62	Risk Factors for Persistent Methicillin-Resistant <i>Staphylococcus aureus</i> Colonization in Children with Multiple Intensive Care Unit Admissions. <i>Infection Control and Hospital Epidemiology</i> , 2013, 34, 748-750.	1.0	5
63	Menopausal vasomotor symptoms and incident breast cancer risk in the Study of Women's Health Across the Nation. <i>Cancer Causes and Control</i> , 2016, 27, 1333-1340.	0.8	5
64	Improving probabilistic infectious disease forecasting through coherence. <i>PLoS Computational Biology</i> , 2021, 17, e1007623.	1.5	5
65	Enriching Students' Conceptual Understanding of Confidence Intervals: An Interactive Trivia-Based Classroom Activity. <i>American Statistician</i> , 2019, 73, 50-55.	0.9	4
66	Coordinating the real-time use of global influenza activity data for better public health planning. <i>Influenza and Other Respiratory Viruses</i> , 2020, 14, 105-110.	1.5	4
67	Infectious Disease Forecasting for Public Health. , 2020, , 45-68.		4
68	Outpatient healthcare personnel knowledge and attitudes towards infection prevention measures for protection from respiratory infections. <i>American Journal of Infection Control</i> , 2021, 49, 1369-1375.	1.1	3
69	Collaborative modeling key to improving outbreak response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2200703119.	3.3	3
70	Identification of the Asymptomatic Ratio. <i>Epidemiology</i> , 2011, 22, 333-335.	1.2	2
71	Acute Respiratory Infections (ARIs) Among Outpatient Healthcare Personnel (HCP). <i>Open Forum Infectious Diseases</i> , 2016, 3, .	0.4	2
72	Impact of mandatory vaccination of healthcare personnel on rates of influenza and other viral respiratory pathogens. <i>Infection Control and Hospital Epidemiology</i> , 2022, 43, 1216-1220.	1.0	2

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73	Commentary: Back to the future with Sir Bradford Hill: statistical analysis with hospital-acquired infections. <i>International Journal of Epidemiology</i> , 2013, 42, 1509-1510.	0.9	1
74	Evaluating the ALERT algorithm for local outbreak onset detection in seasonal infectious disease surveillance data. <i>Statistics in Medicine</i> , 2020, 39, 1145-1155.	0.8	1
75	Take-home kits to detect respiratory viruses among healthcare personnel: Lessons learned from a cluster randomized clinical trial. <i>American Journal of Infection Control</i> , 2021, 49, 893-899.	1.1	1
76	1716. Results of the Respiratory Protection Effectiveness Clinical Trial (ResPECT). <i>Open Forum Infectious Diseases</i> , 2018, 5, S51-S51.	0.4	0
77	Improving probabilistic infectious disease forecasting through coherence. , 2021, 17, e1007623.		0
78	Improving probabilistic infectious disease forecasting through coherence. , 2021, 17, e1007623.		0
79	Improving probabilistic infectious disease forecasting through coherence. , 2021, 17, e1007623.		0
80	Improving probabilistic infectious disease forecasting through coherence. , 2021, 17, e1007623.		0
81	Improving probabilistic infectious disease forecasting through coherence. , 2021, 17, e1007623.		0
82	Improving probabilistic infectious disease forecasting through coherence. , 2021, 17, e1007623.		0
83	Accuracy of real-time multi-model ensemble forecasts for seasonal influenza in the U.S.. , 2019, 15, e1007486.		0
84	Accuracy of real-time multi-model ensemble forecasts for seasonal influenza in the U.S.. , 2019, 15, e1007486.		0
85	Accuracy of real-time multi-model ensemble forecasts for seasonal influenza in the U.S.. , 2019, 15, e1007486.		0
86	Accuracy of real-time multi-model ensemble forecasts for seasonal influenza in the U.S.. , 2019, 15, e1007486.		0