Joshua L Warren

List of Publications by Year
in descending order

125 papers	4,612 citations	236833 25 h-index	138417 58 g-index
140 all docs	140 docs citations	140 times ranked	7837 citing authors

#	Article	IF	Citations
1	Saliva or Nasopharyngeal Swab Specimens for Detection of SARS-CoV-2. New England Journal of Medicine, 2020, 383, 1283-1286.	13.9	823
2	Measurement of SARS-CoV-2 RNA in wastewater tracks community infection dynamics. Nature Biotechnology, 2020, 38, 1164-1167.	9.4	785
3	The burden of typhoid fever in low- and middle-income countries: A meta-regression approach. PLoS Neglected Tropical Diseases, 2017, 11, e0005376.	1.3	212
4	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.	2.6	128
5	Retinal nerve fibre layer thickness floor and corresponding functional loss in glaucoma. British Journal of Ophthalmology, 2015, 99, 732-737.	2.1	115
6	Residual and Dynamic Range of Retinal Nerve Fiber Layer Thickness in Glaucoma: Comparison of Three OCT Platforms. , 2015, 56, 6344.		114
7	Vaccination with BNT162b2 reduces transmission of SARS-CoV-2 to household contacts in Israel. Science, 2022, 375, 1151-1154.	6.0	109
8	Spatial patterning of supermarkets and fast food outlets with respect to neighborhood characteristics. Health and Place, 2013, 23, 157-164.	1.5	91
9	Association between arsenic, cadmium, manganese, and lead levels in private wells and birth defects prevalence in North Carolina: a semi-ecologic study. BMC Public Health, 2014, 14, 955.	1.2	87
10	Internal migration and transmission dynamics of tuberculosis in Shanghai, China: an epidemiological, spatial, genomic analysis. Lancet Infectious Diseases, The, 2018, 18, 788-795.	4.6	85
11	Successive blood meals enhance virus dissemination within mosquitoes and increase transmission potential. Nature Microbiology, 2020, 5, 239-247.	5.9	77
12	Spatial–Temporal Modeling of the Association between Air Pollution Exposure and Preterm Birth: Identifying Critical Windows of Exposure. Biometrics, 2012, 68, 1157-1167.	0.8	68
13	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.	2.2	60
14	Assessment of critical exposure and outcome windows in time-to-event analysis with application to air pollution and preterm birth study. Biostatistics, 2015, 16, 509-521.	0.9	59
15	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.	3.3	59
16	Incidence and prevalence of tuberculosis in incarcerated populations: a systematic review and meta-analysis. Lancet Public Health, The, 2021, 6, e300-e308.	4.7	54
17	Investigating the Impact of Maternal Residential Mobility on Identifying Critical Windows of Susceptibility to Ambient Air Pollution During Pregnancy. American Journal of Epidemiology, 2018, 187, 992-1000.	1.6	53
18	The Impact of Changes in Diagnostic Testing Practices on Estimates of COVID-19 Transmission in the United States. American Journal of Epidemiology, 2021, 190, 1908-1917.	1.6	49

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19	Quality of life after surgery for intracranial meningioma. Cancer, 2018, 124, 161-166.	2.0	47
20	Multiple metal concentrations and gestational diabetes mellitus in Taiyuan, China. Chemosphere, 2019, 237, 124412.	4.2	47
21	Combining Spectral Domain Optical Coherence Tomography Structural Parameters for the Diagnosis of Glaucoma With Early Visual Field Loss. , 2013, 54, 8393.		46
22	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.	1.6	45
23	Cardiovascular Outcomes and the Physical and Chemical Properties of Metal Ions Found in Particulate Matter Air Pollution: A QICAR Study. Environmental Health Perspectives, 2013, 121, 558-564.	2.8	44
24	Investigating spillover of multidrug-resistant tuberculosis from a prison: a spatial and molecular epidemiological analysis. BMC Medicine, 2018, 16, 122.	2.3	39
25	A community-based evaluation of proximity to unconventional oil and gas wells, drinking water contaminants, and health symptoms in Ohio. Environmental Research, 2018, 167, 550-557.	3.7	36
26	Maternal residential exposure to agricultural pesticides and birth defects in a 2003 to 2005 North Carolina birth cohort. Birth Defects Research Part A: Clinical and Molecular Teratology, 2016, 106, 240-249.	1.6	35
27	Exposure to multiple metals and prevalence for preeclampsia in Taiyuan, China. Environment International, 2020, 145, 106098.	4.8	33
28	Maternal residential exposure to specific agricultural pesticide active ingredients and birth defects in a 2003â€"2005 North Carolina birth cohort. Birth Defects Research, 2019, 111, 312-323.	0.8	30
29	Excess Cerebrovascular Mortality in the United States During the COVID-19 Pandemic. Stroke, 2021, 52, 563-572.	1.0	30
30	Exposure to polychlorinated biphenyls and organochlorine pesticides and thyroid cancer in connecticut women. Environmental Research, 2021, 192, 110333.	3.7	29
31	Influence of Demographic and Health Survey Point Displacements on Raster-Based Analyses. Spatial Demography, 2016, 4, 135-153.	0.4	28
32	Racial and ethnic disparities in adverse birth outcomes: Differences by racial residential segregation. SSM - Population Health, 2019, 8, 100417.	1.3	27
33	Association of maternal ozone exposure with term low birth weight and susceptible window identification. Environment International, 2021, 146, 106208.	4.8	27
34	Air Pollution Metric Analysis While Determining Susceptible Periods of Pregnancy for Low Birth Weight. ISRN Obstetrics & Gynecology, 2013, 2013, 1-9.	1.2	25
35	Association Between Sporadic Legionellosis and River Systems in Connecticut. Journal of Infectious Diseases, 2018, 217, 179-187.	1.9	25
36	Utility of combining spectral domain optical coherence tomography structural parameters for the diagnosis of early Glaucoma: a mini-review. Eye and Vision (London, England), 2018, 5, 9.	1.4	25

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37	A Population-Based Matched-Sibling Analysis Estimating the Associations Between First Interpregnancy Interval and Birth Outcomes. American Journal of Epidemiology, 2019, 188, 9-16.	1.6	25
38	Declines in Pneumonia Mortality Following the Introduction of Pneumococcal Conjugate Vaccines in Latin American and Caribbean Countries. Clinical Infectious Diseases, 2021, 73, 306-313.	2.9	24
39	Spatial Modeling to Identify Sociodemographic Predictors of Hydraulic Fracturing Wastewater Injection Wells in Ohio Census Block Groups. Environmental Health Perspectives, 2018, 126, 067008.	2.8	23
40	Racial/Ethnic Segregation and Access to COVID-19 Testing: Spatial Distribution of COVID-19 Testing Sites in the Four Largest Highly Segregated Cities in the United States. American Journal of Public Health, 2022, 112, 518-526.	1.5	23
41	Exposure to Polybrominated Diphenyl Ethers and a Polybrominated Biphenyl and Risk of Thyroid Cancer in Women: Single and Multi-Pollutant Approaches. Cancer Epidemiology Biomarkers and Prevention, 2019, 28, 1755-1764.	1.1	22
42	Associations Between Ambient Air Pollutant Concentrations and Birth Weight. Epidemiology, 2019, 30, 624-632.	1.2	22
43	<p>GlaucoMap â€" Distribution of Glaucoma Surgical Procedures in the United States</p>. Clinical Ophthalmology, 2020, Volume 14, 2551-2560.	0.9	22
44	Impact of Pneumococcal Conjugate Vaccines on Pneumonia Hospitalizations in High- and Low-Income Subpopulations in Brazil. Clinical Infectious Diseases, 2017, 65, 1813-1818.	2.9	21
45	Spatial-Temporal Modeling of Neighborhood Sociodemographic Characteristics and Food Stores. American Journal of Epidemiology, 2015, 181, 137-150.	1.6	20
46	Reduced-Dose Schedule of Prophylaxis Based on Local Data Provides Near-Optimal Protection Against Respiratory Syncytial Virus. Clinical Infectious Diseases, 2015, 61, 506-514.	2.9	20
47	Critical window variable selection: estimating the impact of air pollution on very preterm birth. Biostatistics, 2020, 21, 790-806.	0.9	20
48	Bayesian multinomial probit modeling of daily windows of susceptibility for maternal PM$_{2.5}$ exposure and congenital heart defects. Statistics in Medicine, 2016, 35, 2786-2801.	0.8	19
49	A land use regression model of nitrogen dioxide and fine particulate matter in a complex urban core in Lanzhou, China. Environmental Research, 2019, 177, 108597.	3.7	19
50	<p>Seven- and eight-year trends in resident and fellow glaucoma surgical experience</p>. Clinical Ophthalmology, 2019, Volume 13, 303-309.	0.9	19
51	Challenges in Estimating the Impact of Vaccination with Sparse Data. Epidemiology, 2019, 30, 61-68.	1.2	19
52	Development of a Treatment-decision Algorithm for Human Immunodeficiency Virusâ€"uninfected Children Evaluated for Pulmonary Tuberculosis. Clinical Infectious Diseases, 2021, 73, e904-e912.	2.9	19
53	Impact of close interpersonal contact on COVID-19 incidence: Evidence from 1 year of mobile device data. Science Advances, 2022, 8, eabi5499.	4.7	19
54	Bayesian spatialâ€"temporal model for cardiac congenital anomalies and ambient air pollution risk assessment. Environmetrics, 2012, 23, 673-684.	0.6	18

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55	Bayesian Model Averaging with Change Points to Assess the Impact of Vaccination and Public Health Interventions. Epidemiology, 2017, 28, 889-897.	1.2	17
56	Suspected heroin-related overdoses incidentsÂin Cincinnati, Ohio: AÂspatiotemporal analysis. PLoS Medicine, 2019, 16, e1002956.	3.9	17
57	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, .	3.3	17
58	Diarrhea Patterns and Climate: A Spatiotemporal Bayesian Hierarchical Analysis of Diarrheal Disease in Afghanistan. American Journal of Tropical Medicine and Hygiene, 2019, 101, 525-533.	0.6	17
59	Influence of Demographic and Health Survey Point Displacements on Distance-Based Analyses. Spatial Demography, 2016, 4, 155-173.	0.4	16
60	Phylogeography and transmission of M. tuberculosis in Moldova: A prospective genomic analysis. PLoS Medicine, 2022, 19, e1003933.	3.9	16
61	Local variations in the timing of RSV epidemics. BMC Infectious Diseases, 2016, 16, 674.	1.3	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.	2.9	15
63	Trends in C-Reactive Protein, D-Dimer, and Fibrinogen during Therapy for HIV-Associated Multidrug-Resistant Tuberculosis. American Journal of Tropical Medicine and Hygiene, 2018, 99, 1336-1341.	0.6	15
64	Community factors associated with local epidemic timing of respiratory syncytial virus: A spatiotemporal modeling study. Science Advances, 2021, 7, .	4.7	14
65	Assessing Unconventional Oil and Gas Exposure in the Appalachian Basin: Comparison of Exposure Surrogates and Residential Drinking Water Measurements. Environmental Science & Technology, 2022, 56, 1091-1103.	4.6	14
66	A Statistical Model to Analyze Clinician Expert Consensus on Glaucoma Progression using Spatially Correlated Visual Field Data. Translational Vision Science and Technology, 2016, 5, 14.	1.1	13
67	Evaluating post-vaccine expansion patterns of pneumococcal serotypes. Vaccine, 2020, 38, 7756-7763.	1.7	13
68	Temporal changes in associations between high temperature and hospitalizations by greenspace: Analysis in the Medicare population in 40 U.S. northeast counties. Environment International, 2021, 156, 106737.	4.8	13
69	Plasmodium falciparum genomic surveillance reveals spatial and temporal trends, association of genetic and physical distance, and household clustering. Scientific Reports, 2022, 12, 938.	1.6	13
70	Shale gas activity and increased rates of sexually transmitted infections in Ohio, 2000â€"2016. PLoS ONE, 2018, 13, e0194203.	1.1	12
71	Association Between Local Pediatric Vaccination Rates and Patterns of Pneumococcal Disease in Adults. Journal of Infectious Diseases, 2016, 213, 509-515.	1.9	11
72	Validation of the UNC OCT Index for the Diagnosis of Early Glaucoma. Translational Vision Science and Technology, 2018, 7, 16.	1.1	11

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73	Community concern and government response: Identifying socio-economic and demographic predictors of oil and gas complaints and drinking water impairments in Pennsylvania. Energy Research and Social Science, 2021, 76, 102070.	3.0	11
74	Where Is Air Quality Improving, and Who Benefits? A Study of PM2.5 and Ozone Over 15 Years. American Journal of Epidemiology, 2022, 191, 1258-1269.	1.6	11
75	A Dirichlet process mixture model for clustering longitudinal gene expression data. Statistics in Medicine, 2017, 36, 3495-3506.	0.8	10
76	Diagnosing Glaucoma Progression With Visual Field Data Using a Spatiotemporal Boundary Detection Method. Journal of the American Statistical Association, 2019, 114, 1063-1074.	1.8	10
77	Serotype Patterns of Pneumococcal Disease in Adults Are Correlated With Carriage Patterns in Older Children. Clinical Infectious Diseases, 2021, 72, e768-e775.	2.9	10
78	Impact of iStent Micro-Bypass Shunt on Medicare Part B Glaucoma Surgical Expenditure. Ophthalmology Glaucoma, 2021, 4, 131-138.	0.9	10
79	Bayesian adaptive algorithms for locating HIV mobile testing services. BMC Medicine, 2018, 16, 155.	2.3	9
80	The Dynamics of Infectious Diseases Associated With Injection Drug Use in Lawrence and Lowell, Massachusetts. Open Forum Infectious Diseases, 2021, 8, ofab128.	0.4	9
81	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.	1.5	9
82	Assessing community-level exposure to social vulnerability and isolation: spatial patterning and urban-rural differences. Journal of Exposure Science and Environmental Epidemiology, 2023, 33, 198-206.	1.8	9
83	A nested case-control study of serum polychlorinated biphenyls and papillary thyroid cancer risk among U.S. military service members. Environmental Research, 2022, 212, 113367.	3.7	9
84	Low-cost NO2 monitoring and predictions of urban exposure using universal kriging and land-use regression modelling in Mysore, India. Atmospheric Environment, 2020, 226, 117395.	1.9	8
85	A Bayesian approach for estimating typhoid fever incidence from large‐scale facility‐based passive surveillance data. Statistics in Medicine, 2021, 40, 5853-5870.	0.8	8
86	Spatially Modelling the Association Between Access to Recreational Facilities and Exercise: the'Multi-Ethnic Study of Atherosclerosis'. Journal of the Royal Statistical Society Series A: Statistics in Society, 2016, 179, 293-310.	0.6	7
87	Spatial Variability in the Persistence of Pneumococcal Conjugate Vaccine-targeted Pneumococcal Serotypes Among Adults. Epidemiology, 2017, 28, 119-126.	1.2	7
88	A Spatially Varying Distributed Lag Model with Application to an Air Pollution and Term Low Birth Weight Study. Journal of the Royal Statistical Society Series C: Applied Statistics, 2020, 69, 681-696.	0.5	7
89	An evaluation of metrics for assessing maternal exposure to agricultural pesticides. Journal of Exposure Science and Environmental Epidemiology, 2014, 24, 497-503.	1.8	6
90	<p>Microinvasive Glaucoma Surgical Training in United States Ophthalmology Residency Programs</p>. Clinical Ophthalmology, 2020, Volume 14, 1785-1789.	0.9	6

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91	Estimating Serotype-specific Efficacy of Pneumococcal Conjugate Vaccines Using Hierarchical Models. Epidemiology, 2020, 31, 259-262.	1.2	6
92	A common spatial factor analysis model for measured neighborhood-level characteristics: The Multi-Ethnic Study of Atherosclerosis. Health and Place, 2015, 36, 35-46.	1.5	5
93	Factors Associated with Supermarket and Convenience Store Closure: A Discrete Time Spatial Survival Modelling Approach. Journal of the Royal Statistical Society Series A: Statistics in Society, 2018, 181, 783-802.	0.6	5
94	Phylogeny-based tumor subclone identification using a Bayesian feature allocation model. Annals of Applied Statistics, 2019, 13, .	0.5	5
95	Integrative statistical methods for exposure mixtures and health. Annals of Applied Statistics, 2020, 14, 1945-1963.	0.5	5
96	Combining Frequency Doubling Technology Perimetry and Scanning Laser Polarimetry for Glaucoma Detection. Journal of Glaucoma, 2015, 24, 561-567.	0.8	4
97	Corneal hysteresis and anterior segment optical coherence tomography anatomical parameters in primary angle closure suspects. Clinical and Experimental Ophthalmology, 2018, 46, 468-472.	1.3	4
98	NO2 exposure and lung function decline in a cohort of adults in Mysore, India. Environmental Research Communications, 2021, 3, 055001.	0.9	4
99	Maximizing the Efficiency of Active Case Finding for SARS-CoV-2 Using Bandit Algorithms. Medical Decision Making, 2021, 41, 970-977.	1.2	4
100	Impact of pneumococcal conjugate vaccine uptake on childhood pneumonia mortality across income levels in Brazil, Colombia, and Peru. Gates Open Research, 2020, 4, 136.	2.0	4
101	A hierarchical Bayesian entry time realignment method to study the long-term natural history of diseases. Scientific Reports, 2022, 12, 4869.	1.6	4
102	Bayesian spatial design of optimal deep tube well locations in Matlab, Bangladesh. Environmetrics, 2013, 24, 377-386.	0.6	3
103	Improved Detection of Visual Field Progression Using a Spatiotemporal Boundary Detection Method. Scientific Reports, 2019, 9, 4642.	1.6	3
104	A Multiregion Analysis of Shale Drilling Activity and Rates of Sexually Transmitted Infections in the United States. Sexually Transmitted Diseases, 2020, 47, 254-260.	0.8	3
105	Geographic Variation in the Utilization of and Mortality After Emergency General Surgery Operations in the Northeastern and Southeastern United States. Annals of Surgery, 2022, 275, 340-347.	2.1	3
106	Spatiotemporal Patterns of Diarrhea Incidence in Ghana and the Impact of Meteorological and Socio-Demographic Factors. , 2022, 2, .		3
107	A spatially varying change points model for monitoring glaucoma progression using visual field data. Spatial Statistics, 2019, 30, 1-26.	0.9	2
108	Multivariate spatiotemporal modeling of drug- and alcohol-poisoning deaths in New York City, 2009–2014. Spatial and Spatio-temporal Epidemiology, 2020, 32, 100306.	0.9	2

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109	Spatial distributed lag data fusion for estimating ambient air pollution. Annals of Applied Statistics, 2021, 15, 323-342.	0.5	2
110	Relationship between flood severity and risk of hospitalisation in the Mekong River Delta of Vietnam. Occupational and Environmental Medicine, 2021, 78, 676-678.	1.3	2
111	A discrete kernel stick-breaking model for detecting spatial boundaries in hydraulic fracturing wastewater disposal well placement across Ohio. Journal of the Royal Statistical Society Series C: Applied Statistics, 0, , .	0.5	2
112	Influence of Demographic and Health Survey Point Displacements on Point-in-Polygon Analyses. Spatial Demography, 2016, 4, 117-133.	0.4	1
113	Impacts of gestational age uncertainty in estimating associations between preterm birth and ambient air pollution. Environmental Epidemiology, 2018, 2, e031.	1.4	1
114	A Nonstationary Spatial Covariance Model for Processes Driven by Point Sources. Journal of Agricultural, Biological, and Environmental Statistics, 2020, 25, 415-430.	0.7	1
115	Children as sentinels of tuberculosis transmission: disease mapping of programmatic data. BMC Medicine, 2020, 18, 234.	2.3	1
116	Incorporating Information on Control Diseases Across Space and Time to Improve Estimation of the Population-level Impact of Vaccines. Epidemiology, 2021, 32, 360-367.	1.2	1
117	Estimating the power to detect a change caused by a vaccine from time series data. Gates Open Research, 2020, 4, 27.	2.0	1
118	A Bayesian semiparametric factor analysis model for subtype identification. Statistical Applications in Genetics and Molecular Biology, 2017, 16, 145-158.	0.2	0
119	Reply to Rucinski et al. Journal of Infectious Diseases, 2018, 218, 670-671.	1.9	0
120	Regan et al. Reply to "Sibling Comparison Design in Birth-Spacing Studies" American Journal of Epidemiology, 2019, 188, 22-23.	1.6	0
121	82125 Multiple epidemics of multidrug-resistant tuberculosis revealed by spatial disease mapping and whole-genome sequencing analysis in urban China. Journal of Clinical and Translational Science, 2021, 5, 5-6.	0.3	0
122	A Directionally Varying Change Points Model for Quantifying the Impact of a Point Source. Journal of Agricultural, Biological, and Environmental Statistics, 0, , 1.	0.7	0
123	Associations between PM2.5 and term low birth weight in a North Carolina cohort and effect modification by extreme heat events. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
124	Estimating the power to detect a change caused by a vaccine from time series data. Gates Open Research, 2020, 4, 27.	2.0	0
125	Mapping Partner Drug Resistance to Guide Antimalarial Combination Therapy Policies in Sub-Saharan Africa. SSRN Electronic Journal, 0, , .	0.4	0