

Joshua L Warren

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5398774/publications.pdf>

Version: 2024-02-01

125
papers

4,612
citations

236925

25
h-index

138484

58
g-index

140
all docs

140
docs citations

140
times ranked

7837
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing community-level exposure to social vulnerability and isolation: spatial patterning and urban-rural differences. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2023, 33, 198-206.	3.9	9
2	Geographic Variation in the Utilization of and Mortality After Emergency General Surgery Operations in the Northeastern and Southeastern United States. <i>Annals of Surgery</i> , 2022, 275, 340-347.	4.2	3
3	Odds of Testing Positive for SARS-CoV-2 Following Receipt of 3 vs 2 Doses of the BNT162b2 mRNA Vaccine. <i>JAMA Internal Medicine</i> , 2022, 182, 179.	5.1	128
4	Assessing Unconventional Oil and Gas Exposure in the Appalachian Basin: Comparison of Exposure Surrogates and Residential Drinking Water Measurements. <i>Environmental Science & Technology</i> , 2022, 56, 1091-1103.	10.0	14
5	<i>Plasmodium falciparum</i> genomic surveillance reveals spatial and temporal trends, association of genetic and physical distance, and household clustering. <i>Scientific Reports</i> , 2022, 12, 938.	3.3	13
6	Impact of close interpersonal contact on COVID-19 incidence: Evidence from 1 year of mobile device data. <i>Science Advances</i> , 2022, 8, eabi5499.	10.3	19
7	Vaccination with BNT162b2 reduces transmission of SARS-CoV-2 to household contacts in Israel. <i>Science</i> , 2022, 375, 1151-1154.	12.6	109
8	Relative timing of respiratory syncytial virus epidemics in summer 2021 across the United States was similar to a typical winter season. <i>Influenza and Other Respiratory Viruses</i> , 2022, 16, 617-620.	3.4	9
9	Phylogeography and transmission of <i>M. tuberculosis</i> in Moldova: A prospective genomic analysis. <i>PLoS Medicine</i> , 2022, 19, e1003933.	8.4	16
10	A hierarchical Bayesian entry time realignment method to study the long-term natural history of diseases. <i>Scientific Reports</i> , 2022, 12, 4869.	3.3	4
11	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. <i>American Journal of Public Health</i> , 2022, 112, 518-526.	2.7	23
12	Spatiotemporal Patterns of Diarrhea Incidence in Ghana and the Impact of Meteorological and Socio-Demographic Factors. , 2022, 2, .		3
13	Rapid emergence of SARS-CoV-2 Omicron variant is associated with an infection advantage over Delta in vaccinated persons. <i>Med</i> , 2022, 3, 325-334.e4.	4.4	60
14	Where Is Air Quality Improving, and Who Benefits? A Study of PM2.5 and Ozone Over 15 Years. <i>American Journal of Epidemiology</i> , 2022, 191, 1258-1269.	3.4	11
15	A nested case-control study of serum polychlorinated biphenyls and papillary thyroid cancer risk among U.S. military service members. <i>Environmental Research</i> , 2022, 212, 113367.	7.5	9
16	Declines in Pneumonia Mortality Following the Introduction of Pneumococcal Conjugate Vaccines in Latin American and Caribbean Countries. <i>Clinical Infectious Diseases</i> , 2021, 73, 306-313.	5.8	24
17	Association of maternal ozone exposure with term low birth weight and susceptible window identification. <i>Environment International</i> , 2021, 146, 106208.	10.0	27
18	Serotype Patterns of Pneumococcal Disease in Adults Are Correlated With Carriage Patterns in Older Children. <i>Clinical Infectious Diseases</i> , 2021, 72, e768-e775.	5.8	10

#	ARTICLE	IF	CITATIONS
19	Exposure to polychlorinated biphenyls and organochlorine pesticides and thyroid cancer in connecticut women. Environmental Research, 2021, 192, 110333.	7.5	29
20	Development of a Treatment-decision Algorithm for Human Immunodeficiency Virus“uninfected Children Evaluated for Pulmonary Tuberculosis. Clinical Infectious Diseases, 2021, 73, e904-e912.	5.8	19
21	Impact of iStent Micro-Bypass Shunt on Medicare Part B Glaucoma Surgical Expenditure. Ophthalmology Glaucoma, 2021, 4, 131-138.	1.9	10
22	The Dynamics of Infectious Diseases Associated With Injection Drug Use in Lawrence and Lowell, Massachusetts. Open Forum Infectious Diseases, 2021, 8, ofab128.	0.9	9
23	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
24	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.	0.6	0
25	Spatial distributed lag data fusion for estimating ambient air pollution. Annals of Applied Statistics, 2021, 15, 323-342.	1.1	2
26	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.	3.4	49
27	NO2 exposure and lung function decline in a cohort of adults in Mysore, India. Environmental Research Communications, 2021, 3, 055001.	2.3	4
28	Incidence and prevalence of tuberculosis in incarcerated populations: a systematic review and meta-analysis. Lancet Public Health, The, 2021, 6, e300-e308.	10.0	54
29	Maximizing the Efficiency of Active Case Finding for SARS-CoV-2 Using Bandit Algorithms. Medical Decision Making, 2021, 41, 970-977.	2.4	4
30	Community factors associated with local epidemic timing of respiratory syncytial virus: A spatiotemporal modeling study. Science Advances, 2021, 7, .	10.3	14
31	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.	6.4	11
32	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
33	Relationship between flood severity and risk of hospitalisation in the Mekong River Delta of Vietnam. Occupational and Environmental Medicine, 2021, 78, 676-678.	2.8	2
34	A Bayesian approach for estimating typhoid fever incidence from large“scale facility“based passive surveillance data. Statistics in Medicine, 2021, 40, 5853-5870.	1.6	8
35	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
36	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.	10.0	13

#	ARTICLE	IF	CITATIONS
37	Excess Cerebrovascular Mortality in the United States During the COVID-19 Pandemic. <i>Stroke</i> , 2021, 52, 563-572.	2.0	30
38	Critical window variable selection: estimating the impact of air pollution on very preterm birth. <i>Biostatistics</i> , 2020, 21, 790-806.	1.5	20
39	Multivariate spatiotemporal modeling of drug- and alcohol-poisoning deaths in New York City, 2009–2014. <i>Spatial and Spatio-temporal Epidemiology</i> , 2020, 32, 100306.	1.7	2
40	Successive blood meals enhance virus dissemination within mosquitoes and increase transmission potential. <i>Nature Microbiology</i> , 2020, 5, 239-247.	13.3	77
41	A Nonstationary Spatial Covariance Model for Processes Driven by Point Sources. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2020, 25, 415-430.	1.4	1
42	Evaluating post-vaccine expansion patterns of pneumococcal serotypes. <i>Vaccine</i> , 2020, 38, 7756-7763.	3.8	13
43	<p><GlaucoMap – Distribution of Glaucoma Surgical Procedures in the United States</p></p><Clinical Ophthalmology, 2020, Volume 14, 2551-2560.	1.8	22
44	<p><Microinvasive Glaucoma Surgical Training in United States Ophthalmology Residency Programs</p></p><Clinical Ophthalmology, 2020, Volume 14, 1785-1789.	1.8	6
45	Children as sentinels of tuberculosis transmission: disease mapping of programmatic data. <i>BMC Medicine</i> , 2020, 18, 234.	5.5	1
46	Measurement of SARS-CoV-2 RNA in wastewater tracks community infection dynamics. <i>Nature Biotechnology</i> , 2020, 38, 1164-1167.	17.5	785
47	Saliva or Nasopharyngeal Swab Specimens for Detection of SARS-CoV-2. <i>New England Journal of Medicine</i> , 2020, 383, 1283-1286.	27.0	823
48	Estimating Serotype-specific Efficacy of Pneumococcal Conjugate Vaccines Using Hierarchical Models. <i>Epidemiology</i> , 2020, 31, 259-262.	2.7	6
49	A Spatially Varying Distributed Lag Model with Application to an Air Pollution and Term Low Birth Weight Study. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2020, 69, 681-696.	1.0	7
50	Low-cost NO2 monitoring and predictions of urban exposure using universal kriging and land-use regression modelling in Mysore, India. <i>Atmospheric Environment</i> , 2020, 226, 117395.	4.1	8
51	A Multiregion Analysis of Shale Drilling Activity and Rates of Sexually Transmitted Infections in the United States. <i>Sexually Transmitted Diseases</i> , 2020, 47, 254-260.	1.7	3
52	Exposure to multiple metals and prevalence for preeclampsia in Taiyuan, China. <i>Environment International</i> , 2020, 145, 106098.	10.0	33
53	Estimating the power to detect a change caused by a vaccine from time series data. <i>Gates Open Research</i> , 2020, 4, 27.	1.1	1
54	Estimating the power to detect a change caused by a vaccine from time series data. <i>Gates Open Research</i> , 2020, 4, 27.	1.1	0

#	ARTICLE	IF	CITATIONS
55	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
56	Integrative statistical methods for exposure mixtures and health. Annals of Applied Statistics, 2020, 14, 1945-1963.	1.1	5
57	Multiple metal concentrations and gestational diabetes mellitus in Taiyuan, China. Chemosphere, 2019, 237, 124412.	8.2	47
58	Phylogeny-based tumor subclone identification using a Bayesian feature allocation model. Annals of Applied Statistics, 2019, 13, .	1.1	5
59	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.	7.5	19
60	Racial and ethnic disparities in adverse birth outcomes: Differences by racial residential segregation. SSM - Population Health, 2019, 8, 100417.	2.7	27
61	Improved Detection of Visual Field Progression Using a Spatiotemporal Boundary Detection Method. Scientific Reports, 2019, 9, 4642.	3.3	3
62	<p>Seven- and eight-year trends in resident and fellow glaucoma surgical experience</p>. Clinical Ophthalmology, 2019, Volume 13, 303-309.	1.8	19
63	A spatially varying change points model for monitoring glaucoma progression using visual field data. Spatial Statistics, 2019, 30, 1-26.	1.9	2
64	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.	2.5	22
65	Suspected heroin-related overdoses incidents in Cincinnati, Ohio: A spatiotemporal analysis. PLoS Medicine, 2019, 16, e1002956.	8.4	17
66	Challenges in Estimating the Impact of Vaccination with Sparse Data. Epidemiology, 2019, 30, 61-68.	2.7	19
67	Associations Between Ambient Air Pollutant Concentrations and Birth Weight. Epidemiology, 2019, 30, 624-632.	2.7	22
68	A Population-Based Matched-Sibling Analysis Estimating the Associations Between First Interpregnancy Interval and Birth Outcomes. American Journal of Epidemiology, 2019, 188, 9-16.	3.4	25
69	Regan et al. Reply to "Sibling Comparison Design in Birth-Spacing Studies". American Journal of Epidemiology, 2019, 188, 22-23.	3.4	0
70	Diagnosing Glaucoma Progression With Visual Field Data Using a Spatiotemporal Boundary Detection Method. Journal of the American Statistical Association, 2019, 114, 1063-1074.	3.1	10
71	Maternal residential exposure to specific agricultural pesticide active ingredients and birth defects in a 2003-2005 North Carolina birth cohort. Birth Defects Research, 2019, 111, 312-323.	1.5	30
72	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

#	ARTICLE	IF	CITATIONS
73	Diarrhea Patterns and Climate: A Spatiotemporal Bayesian Hierarchical Analysis of Diarrheal Disease in Afghanistan. <i>American Journal of Tropical Medicine and Hygiene</i> , 2019, 101, 525-533.	1.4	17
74	Internal migration and transmission dynamics of tuberculosis in Shanghai, China: an epidemiological, spatial, genomic analysis. <i>Lancet Infectious Diseases</i> , The, 2018, 18, 788-795.	9.1	85
75	Association Between Sporadic Legionellosis and River Systems in Connecticut. <i>Journal of Infectious Diseases</i> , 2018, 217, 179-187.	4.0	25
76	Factors Associated with Supermarket and Convenience Store Closure: A Discrete Time Spatial Survival Modelling Approach. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 2018, 181, 783-802.	1.1	5
77	Corneal hysteresis and anterior segment optical coherence tomography anatomical parameters in primary angle closure suspects. <i>Clinical and Experimental Ophthalmology</i> , 2018, 46, 468-472.	2.6	4
78	Utility of combining spectral domain optical coherence tomography structural parameters for the diagnosis of early Glaucoma: a mini-review. <i>Eye and Vision (London, England)</i> , 2018, 5, 9.	3.0	25
79	Investigating the Impact of Maternal Residential Mobility on Identifying Critical Windows of Susceptibility to Ambient Air Pollution During Pregnancy. <i>American Journal of Epidemiology</i> , 2018, 187, 992-1000.	3.4	53
80	Quality of life after surgery for intracranial meningioma. <i>Cancer</i> , 2018, 124, 161-166.	4.1	47
81	Impacts of gestational age uncertainty in estimating associations between preterm birth and ambient air pollution. <i>Environmental Epidemiology</i> , 2018, 2, e031.	3.0	1
82	Spatial Modeling to Identify Sociodemographic Predictors of Hydraulic Fracturing Wastewater Injection Wells in Ohio Census Block Groups. <i>Environmental Health Perspectives</i> , 2018, 126, 067008.	6.0	23
83	Bayesian adaptive algorithms for locating HIV mobile testing services. <i>BMC Medicine</i> , 2018, 16, 155.	5.5	9
84	Validation of the UNC OCT Index for the Diagnosis of Early Glaucoma. <i>Translational Vision Science and Technology</i> , 2018, 7, 16.	2.2	11
85	Reply to Rucinski et al. <i>Journal of Infectious Diseases</i> , 2018, 218, 670-671.	4.0	0
86	Investigating spillover of multidrug-resistant tuberculosis from a prison: a spatial and molecular epidemiological analysis. <i>BMC Medicine</i> , 2018, 16, 122.	5.5	39
87	A community-based evaluation of proximity to unconventional oil and gas wells, drinking water contaminants, and health symptoms in Ohio. <i>Environmental Research</i> , 2018, 167, 550-557.	7.5	36
88	Shale gas activity and increased rates of sexually transmitted infections in Ohio, 2000–2016. <i>PLoS ONE</i> , 2018, 13, e0194203.	2.5	12
89	Trends in C-Reactive Protein, D-Dimer, and Fibrinogen during Therapy for HIV-Associated Multidrug-Resistant Tuberculosis. <i>American Journal of Tropical Medicine and Hygiene</i> , 2018, 99, 1336-1341.	1.4	15
90	Estimating the population-level impact of vaccines using synthetic controls. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1524-1529.	7.1	59

#	ARTICLE	IF	CITATIONS
91	Spatial Variability in the Persistence of Pneumococcal Conjugate Vaccine-targeted Pneumococcal Serotypes Among Adults. <i>Epidemiology</i> , 2017, 28, 119-126.	2.7	7
92	A Bayesian semiparametric factor analysis model for subtype identification. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2017, 16, 145-158.	0.6	0
93	Impact of Pneumococcal Conjugate Vaccines on Pneumonia Hospitalizations in High- and Low-Income Subpopulations in Brazil. <i>Clinical Infectious Diseases</i> , 2017, 65, 1813-1818.	5.8	21
94	A Dirichlet process mixture model for clustering longitudinal gene expression data. <i>Statistics in Medicine</i> , 2017, 36, 3495-3506.	1.6	10
95	Bayesian Model Averaging with Change Points to Assess the Impact of Vaccination and Public Health Interventions. <i>Epidemiology</i> , 2017, 28, 889-897.	2.7	17
96	The burden of typhoid fever in low- and middle-income countries: A meta-regression approach. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005376.	3.0	212
97	A Statistical Model to Analyze Clinician Expert Consensus on Glaucoma Progression using Spatially Correlated Visual Field Data. <i>Translational Vision Science and Technology</i> , 2016, 5, 14.	2.2	13
98	Bayesian multinomial probit modeling of daily windows of susceptibility for maternal PM _{2.5} exposure and congenital heart defects. <i>Statistics in Medicine</i> , 2016, 35, 2786-2801.	1.6	19
99	Relating Pneumococcal Carriage Among Children to Disease Rates Among Adults Before and After the Introduction of Conjugate Vaccines. <i>American Journal of Epidemiology</i> , 2016, 183, 1055-1062.	3.4	45
100	Spatially Modelling the Association Between Access to Recreational Facilities and Exercise: the "Multi-Ethnic Study of Atherosclerosis"™. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 2016, 179, 293-310.	1.1	7
101	Local variations in the timing of RSV epidemics. <i>BMC Infectious Diseases</i> , 2016, 16, 674.	2.9	15
102	Maternal residential exposure to agricultural pesticides and birth defects in a 2003 to 2005 North Carolina birth cohort. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2016, 106, 240-249.	1.6	35
103	Influence of Demographic and Health Survey Point Displacements on Point-in-Polygon Analyses. <i>Spatial Demography</i> , 2016, 4, 117-133.	0.9	1
104	Influence of Demographic and Health Survey Point Displacements on Raster-Based Analyses. <i>Spatial Demography</i> , 2016, 4, 135-153.	0.9	28
105	Influence of Demographic and Health Survey Point Displacements on Distance-Based Analyses. <i>Spatial Demography</i> , 2016, 4, 155-173.	0.9	16
106	Association Between Local Pediatric Vaccination Rates and Patterns of Pneumococcal Disease in Adults. <i>Journal of Infectious Diseases</i> , 2016, 213, 509-515.	4.0	11
107	Combining Frequency Doubling Technology Perimetry and Scanning Laser Polarimetry for Glaucoma Detection. <i>Journal of Glaucoma</i> , 2015, 24, 561-567.	1.6	4
108	Residual and Dynamic Range of Retinal Nerve Fiber Layer Thickness in Glaucoma: Comparison of Three OCT Platforms. , 2015, 56, 6344.		114

#	ARTICLE	IF	CITATIONS
109	Retinal nerve fibre layer thickness floor and corresponding functional loss in glaucoma. British Journal of Ophthalmology, 2015, 99, 732-737.	3.9	115
110	Spatial-Temporal Modeling of Neighborhood Sociodemographic Characteristics and Food Stores. American Journal of Epidemiology, 2015, 181, 137-150.	3.4	20
111	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.	1.5	59
112	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
113	A common spatial factor analysis model for measured neighborhood-level characteristics: The Multi-Ethnic Study of Atherosclerosis. Health and Place, 2015, 36, 35-46.	3.3	5
114	An evaluation of metrics for assessing maternal exposure to agricultural pesticides. Journal of Exposure Science and Environmental Epidemiology, 2014, 24, 497-503.	3.9	6
115	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.	2.9	87
116	Spatial patterning of supermarkets and fast food outlets with respect to neighborhood characteristics. Health and Place, 2013, 23, 157-164.	3.3	91
117	Air Pollution Metric Analysis While Determining Susceptible Periods of Pregnancy for Low Birth Weight. ISRN Obstetrics & Gynecology, 2013, 2013, 1-9.	1.2	25
118	Combining Spectral Domain Optical Coherence Tomography Structural Parameters for the Diagnosis of Glaucoma With Early Visual Field Loss. , 2013, 54, 8393.		46
119	Bayesian spatial design of optimal deep tube well locations in Matlab, Bangladesh. Environmetrics, 2013, 24, 377-386.	1.4	3
120	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.	6.0	44
121	Bayesian spatial-temporal model for cardiac congenital anomalies and ambient air pollution risk assessment. Environmetrics, 2012, 23, 673-684.	1.4	18
122	Spatial-Temporal Modeling of the Association between Air Pollution Exposure and Preterm Birth: Identifying Critical Windows of Exposure. Biometrics, 2012, 68, 1157-1167.	1.4	68
123	A Directionally Varying Change Points Model for Quantifying the Impact of a Point Source. Journal of Agricultural, Biological, and Environmental Statistics, 0, , 1.	1.4	0
124	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, , .	1.0	2
125	Mapping Partner Drug Resistance to Guide Antimalarial Combination Therapy Policies in Sub-Saharan Africa. SSRN Electronic Journal, 0, , .	0.4	0