Christopher J Paciorek

List of Publications by Year
in descending order

55 papers	6,595 citations	134610 34 h-index	175968 55 g-index
59 all docs	59 docs citations	59 times ranked	10763 citing authors

#	Article	IF	Citations
1	A framework for detection and attribution of regional precipitation change: Application to the United States historical record. Climate Dynamics, 2023, 60, 705-741.	1.7	4
2	National, regional, and global estimates of anaemia by severity in women and children for 2000â€“19: a pooled analysis of population-representative data. The Lancet Global Health, 2022, 10, e627-e639.	2.9	121
3	8000-year doubling of Midwestern forest biomass driven by population- and biome-scale processes. Science, 2022, 376, 1491-1495.	6.0	7
4	Quantifying the influence of natural climate variability on in situ measurements of seasonal total and extreme daily precipitation. Climate Dynamics, 2021, 56, 3205-3230.	1.7	10
5	The forests of the midwestern United States at Euro-American settlement: Spatial and physical structure based on contemporaneous survey data. PLoS ONE, 2021, 16, e0246473.	1.1	6
6	The change in life expectancy inequality in London. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
7	Life expectancy and risk of death in 6791 communities in England from 2002 to 2019: high-resolution spatiotemporal analysis of civil registration data. Lancet Public Health, The, 2021, 6, e805-e816.	4.7	42
8	Comparison of settlement-era vegetation reconstructions for STEPPS and REVEALS pollenâ€“vegetation models in the northeastern United States. Quaternary Research, 2020, 95, 23-42.	1.0	8
9	Quantifying trends and uncertainty in prehistoric forest composition in the upper Midwestern United States. Ecology, 2019, 100, e02856.	1.5	14
10	A probabilistic gridded product for daily precipitation extremes over the United States. Climate Dynamics, 2019, 53, 2517-2538.	1.7	32
11	Spatially Dependent Multiple Testing Under Model Misspecification, With Application to Detection of Anthropogenic Influence on Extreme Climate Events. Journal of the American Statistical Association, 2019, 114, 61-78.	1.8	21
12	Quantifying statistical uncertainty in the attribution of human influence on severe weather. Weather and Climate Extremes, 2018, 20, 69-80.	1.6	53
13	Programming With Models: Writing Statistical Algorithms for General Model Structures With NIMBLE. Journal of Computational and Graphical Statistics, 2017, 26, 403-413.	0.9	534
14	Quantifying the effect of interannual ocean variability on the attribution of extreme climate events to human influence. Climate Dynamics, 2017, 49, 3051-3073.	1.7	20
15	An Independent Assessment of Anthropogenic Attribution Statements for Recent Extreme Temperature and Rainfall Events. Journal of Climate, 2017, 30, 5-16.	1.2	71
16	Quantile-based bias correction and uncertainty quantification of extreme event attribution statements. Weather and Climate Extremes, 2016, 12, 24-32.	1.6	43
17	Estimating the prevalence of transmitted HIV drug resistance using pooled samples. Statistical Methods in Medical Research, 2016, 25, 917-935.	0.7	4
18	Statistically-Estimated Tree Composition for the Northeastern United States at Euro-American Settlement. PLoS ONE, 2016, 11, e0150087.	1.1	25

#	Article	IF	Citations
19	Novel and Lost Forests in the Upper Midwestern United States, from New Estimates of Settlement-Era Composition, Stem Density, and Biomass. PLoS ONE, 2016, 11, e0151935.	1.1	48
20	The effect of horizontal resolution on simulation quality in the <scp>C</scp>ommunity <scp>A</scp>tmospheric <scp>M</scp>odel, <scp>CAM</scp>5.1. Journal of Advances in Modeling Earth Systems, 2014, 6, 980-997.	1.3	233
21	Spatio-temporal modeling of particulate air pollution in the conterminous United States using geographic and meteorological predictors. Environmental Health, 2014, 13, 63.	1.7	149
22	Global, regional, and national trends in haemoglobin concentration and prevalence of total and severe anaemia in children and pregnant and non-pregnant women for 1995â€“2011: a systematic analysis of population-representative data. The Lancet Global Health, 2013, 1, e16-e25.	2.9	1,297
23	Measurement error in twoâ€stage analyses, with application to air pollution epidemiology. Environmetrics, 2013, 24, 501-517.	0.6	98
24	Monitoring and Understanding Changes in Heat Waves, Cold Waves, Floods, and Droughts in the United States: State of Knowledge. Bulletin of the American Meteorological Society, 2013, 94, 821-834.	1.7	365
25	Children's height and weight in rural and urban populations in low-income and middle-income countries: a systematic analysis of population-representative data. The Lancet Global Health, 2013, 1, e300-e309.	2.9	98
26	Monitoring and Understanding Trends in Extreme Storms: State of Knowledge. Bulletin of the American Meteorological Society, 2013, 94, 499-514.	1.7	426
27	Spatial models for point and areal data using Markov random fields on a fine grid. Electronic Journal of Statistics, 2013, 7, .	0.4	15
28	Use of Spatial Information to Predict Multidrug Resistance in Tuberculosis Patients, Peru. Emerging Infectious Diseases, 2012, 18, 811-813.	2.0	13
29	Combining Spatial Information Sources While Accounting for Systematic Errors in Proxies. Journal of the Royal Statistical Society Series C: Applied Statistics, 2012, 61, 429-451.	0.5	18
30	Assessment and statistical modeling of the relationship between remotely sensed aerosol optical depth and PM2.5 in the eastern United States. Research Report (health Effects Institute), 2012, , 5-83; discussion 85-91.	1.6	11
31	Particulate Air Pollution and Socioeconomic Position in Rural and Urban Areas of the Northeastern United States. American Journal of Public Health, 2011, 101, S224-S230.	1.5	65
32	Does More Accurate Exposure Prediction Necessarily Improve Health Effect Estimates?. Epidemiology, 2011, 22, 680-685.	1.2	90
33	Characterizing local traffic contributions to particulate air pollution in street canyons using mobile monitoring techniques. Atmospheric Environment, 2011, 45, 2507-2514.	1.9	69
34	Modeling Spatial Patterns of Traffic-Related Air Pollutants in Complex Urban Terrain. Environmental Health Perspectives, 2011, 119, 852-859.	2.8	75
35	The Importance of Scale for Spatial-Confounding Bias and Precision of Spatial Regression Estimators. Statistical Science, 2010, 25, 107-125.	1.6	139
36	AODâ€“PM 2.5 Association: Paciorek and Liu Respond. Environmental Health Perspectives, 2010, 118, .	2.8	5

#	Article	IF	Citations
37	Predicting Chronic Fine and Coarse Particulate Exposures Using Spatiotemporal Models for the Northeastern and Midwestern United States. Environmental Health Perspectives, 2009, 117, 522-529.	2.8	80
38	Measurement error caused by spatial misalignment in environmental epidemiology. Biostatistics, 2009, 10, 258-274.	0.9	164
39	Estimating Regional Spatial and Temporal Variability of PM _{2.5} Concentrations Using Satellite Data, Meteorology, and Land Use Information. Environmental Health Perspectives, 2009, 117, 886-892.	2.8	388
40	Limitations of Remotely Sensed Aerosol as a Spatial Proxy for Fine Particulate Matter. Environmental Health Perspectives, 2009, 117, 904-909.	2.8	95
41	Chronic Fine and Coarse Particulate Exposure, Mortality, and Coronary Heart Disease in the Nursesâ€™ Health Study. Environmental Health Perspectives, 2009, 117, 1697-1701.	2.8	296
42	Mapping Ancient Forests: Bayesian Inference for Spatio-Temporal Trends in Forest Composition Using the Fossil Pollen Proxy Record. Journal of the American Statistical Association, 2009, 104, 608-622.	1.8	50
43	Association of Temperature at Residence Vs Central Site Temperature with Mortality in Eastern Massachusettsâ€”A Case Crossover Analysis. Epidemiology, 2009, 20, S75.	1.2	4
44	Practical large-scale spatio-temporal modeling of particulate matter concentrations. Annals of Applied Statistics, 2009, 3, .	0.5	81
45	Spatio-temporal modeling of chronic PM10 exposure for the Nursesâ€™ Health Study. Atmospheric Environment, 2008, 42, 4047-4062.	1.9	101
46	Spatiotemporal Associations between GOES Aerosol Optical Depth Retrievals and Ground-Level PM_{2.5}. Environmental Science & Technology, 2008, 42, 5800-5806.	4.6	139
47	Chronic Particulate Exposure, Mortality, and Coronary Heart Disease in the Nurses' Health Study. American Journal of Epidemiology, 2008, 168, 1161-1168.	1.6	130
48	Computational techniques for spatial logistic regression with large data sets. Computational Statistics and Data Analysis, 2007, 51, 3631-3653.	0.7	58
49	Bayesian Smoothing with Gaussian Processes Using Fourier Basis Functions in the spectralGP Package. Journal of Statistical Software, 2007, 19, nihpa22751.	1.8	9
50	Misinformation in the conjugate prior for the linear model with implications for free-knot spline modelling. Bayesian Analysis, 2006, 1, 375-383.	1.6	5
51	Spatial modelling using a new class of nonstationary covariance functions. Environmetrics, 2006, 17, 483-506.	0.6	302
52	IMPACTS OF NEST CONSTRUCTION BY NATIVE PIGS (SUS SCROFA) ON LOWLAND MALAYSIAN RAIN FOREST SAPLINGS. Ecology, 2005, 86, 1540-1547.	1.5	49
53	Controlling the Proportion of Falsely Rejected Hypotheses when Conducting Multiple Tests with Climatological Data. Journal of Climate, 2004, 17, 4343-4356.	1.2	195
54	Multiple Indices of Northern Hemisphere Cyclone Activity, Winters 1949â€“99. Journal of Climate, 2002, 15, 1573-1590.	1.2	111

#	Article	IF	Citations
55	The demographics of resprouting in tree and shrub species of a moist tropical forest. Journal of Ecology, 2000, 88, 765-777.	1.9	99