

# Howard H Chang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5418529/publications.pdf>

Version: 2024-02-01

136  
papers

6,492  
citations

94433

37  
h-index

74163

75  
g-index

140  
all docs

140  
docs citations

140  
times ranked

9785  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Hierarchical Model for Analyzing Multisite Individual-Level Disease Surveillance Data from Multiple Systems. <i>Biometrics</i> , 2023, 79, 1507-1519.	1.4	0
2	Monitoring vs. modeled exposure data in time-series studies of ambient air pollution and acute health outcomes. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2023, 33, 377-385.	3.9	7
3	Developing air pollution concentration fields for health studies using multiple methods: Cross-comparison and evaluation. <i>Environmental Research</i> , 2022, 207, 112207.	7.5	3
4	Long-term exposure to PM2.5 major components and mortality in the southeastern United States. <i>Environment International</i> , 2022, 158, 106969.	10.0	33
5	Long-term effects of PM2.5 components on incident dementia in the northeastern United States. <i>Innovation(China)</i> , 2022, 3, 100208.	9.1	13
6	Application of Bayesian spatial-temporal models for estimating unrecognized COVID-19 deaths in the United States. <i>Spatial Statistics</i> , 2022, 50, 100584.	1.9	11
7	Study design and rationale for a cluster randomized trial of a safe child feces management intervention in rural Odisha, India. <i>BMC Public Health</i> , 2022, 22, 106.	2.9	5
8	Using land use variable information and a random forest approach to correct spatial mean bias in fused CMAQ fields for particulate and gas species. <i>Atmospheric Environment</i> , 2022, 274, 118982.	4.1	5
9	Low-Concentration Air Pollution and Mortality in American Older Adults: A National Cohort Analysis (2001â€“2017). <i>Environmental Science &amp; Technology</i> , 2022, 56, 7194-7202.	10.0	29
10	Estimating COVID-19 Hospitalizations in the United States With Surveillance Data Using a Bayesian Hierarchical Model: Modeling Study. <i>JMIR Public Health and Surveillance</i> , 2022, 8, e34296.	2.6	10
11	Evaluation of the Use of Saliva Metabolome as a Surrogate of Blood Metabolome in Assessing Internal Exposures to Traffic-Related Air Pollution. <i>Environmental Science &amp; Technology</i> , 2022, 56, 6525-6536.	10.0	10
12	Consequences of access to water from managed aquifer recharge systems for blood pressure and proteinuria in south-west coastal Bangladesh: a stepped-wedge cluster-randomized trial. <i>International Journal of Epidemiology</i> , 2021, 50, 916-928.	1.9	13
13	Application of high-resolution metabolomics to identify biological pathways perturbed by traffic-related air pollution. <i>Environmental Research</i> , 2021, 193, 110506.	7.5	37
14	Incidence of influenza during pregnancy and association with pregnancy and perinatal outcomes in three middle-income countries: a multisite prospective longitudinal cohort study. <i>Lancet Infectious Diseases</i> , The, 2021, 21, 97-106.	9.1	45
15	Effects of a combined water and sanitation intervention on biomarkers of child environmental enteric dysfunction and associations with height-for-age z-score: A matched cohort study in rural Odisha, India. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009198.	3.0	7
16	Incidence of diabetes in South Asian young adults compared to Pima Indians. <i>BMJ Open Diabetes Research and Care</i> , 2021, 9, e001988.	2.8	7
17	Incidence and pathophysiology of diabetes in South Asian adults living in India and Pakistan compared with US blacks and whites. <i>BMJ Open Diabetes Research and Care</i> , 2021, 9, e001927.	2.8	21
18	Acute associations between heatwaves and preterm and early-term birth in 50 US metropolitan areas: a matched case-control study. <i>Environmental Health</i> , 2021, 20, 47.	4.0	17

#	ARTICLE	IF	CITATIONS
19	Using logic regression to characterize extreme heat exposures and their health associations: a time-series study of emergency department visits in Atlanta. <i>BMC Medical Research Methodology</i> , 2021, 21, 87.	3.1	5
20	Place-Based Correlates of Exchange Sex Among People Who Inject Drugs in 19 U.S. Metropolitan Areas, 2012. <i>Archives of Sexual Behavior</i> , 2021, 50, 2897-2909.	1.9	1
21	Time-series analysis of daily ambient temperature and emergency department visits in five US cities with a comparison of exposure metrics derived from 1-km meteorology products. <i>Environmental Health</i> , 2021, 20, 55.	4.0	11
22	Association between chronic obstructive pulmonary disease and long-term ozone and PM2.5 exposure among Medicare participants: a national cohort study. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
23	Long-term exposure to fine particle components and mortality in the Southeastern US. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
24	Low-concentration air pollution and mortality in American older adults: A national cohort analysis (2001-2017). <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
25	Association between prenatal exposures to ambient air pollutants and preterm birth in the Atlanta African American Mother-Child Cohort. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
26	Long-term air pollution exposure and incident stroke in American elderly population: a national cohort study. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
27	Short-term exposure to fine particulate air pollution and emergency department visits for kidney diseases in the Atlanta metropolitan area. <i>Environmental Epidemiology</i> , 2021, 5, e164.	3.0	7
28	Seasonal Confounding in Studies of Temperature and Preterm Birth: A Simulation Study. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
29	Long-term air pollution exposure and incident dementia in American elderly population: a national cohort study. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
30	Is the severity of the Great Recession's aftershocks correlated with changes in access to the combined prevention environment among people who inject drugs?. <i>International Journal of Drug Policy</i> , 2021, 95, 103264.	3.3	0
31	Estimating under-recognized COVID-19 deaths, United States, march 2020-may 2021 using an excess mortality modelling approach. <i>The Lancet Regional Health Americas</i> , 2021, 1, 100019.	2.6	43
32	A Co-Twin control study of fine particulate matter and the prevalence of metabolic syndrome risk factors. <i>Environmental Research</i> , 2021, 201, 111604.	7.5	1
33	Imputing Satellite-Derived Aerosol Optical Depth Using a Multi-Resolution Spatial Model and Random Forest for PM2.5 Prediction. <i>Remote Sensing</i> , 2021, 13, 126.	4.0	18
34	Multivariate spatial prediction of air pollutant concentrations with INLA. <i>Environmental Research Communications</i> , 2021, 3, 101002.	2.3	6
35	A national cohort study (2000-2018) of long-term air pollution exposure and incident dementia in older adults in the United States. <i>Nature Communications</i> , 2021, 12, 6754.	12.8	92
36	Using Innovative Machine Learning Methods to Screen and Identify Predictors of Congenital Heart Diseases. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 797002.	2.4	12

#	ARTICLE	IF	CITATIONS
37	Spatial cluster detection of regression coefficients in a mixed-effects model. <i>Environmetrics</i> , 2020, 31, e2578.	1.4	12
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	Incorporating Low-Cost Sensor Measurements into High-Resolution PM <sub>2.5</sub> Modeling at a Large Spatial Scale. <i>Environmental Science &amp; Technology</i> , 2020, 54, 2152-2162.	10.0	114
40	A comparison of statistical and machine learning methods for creating national daily maps of ambient PM <sub>2.5</sub> concentration. <i>Atmospheric Environment</i> , 2020, 222, 117130.	4.1	44
41	Urban Air Pollution May Enhance COVID-19 Case-Fatality and Mortality Rates in the United States. <i>Innovation(China)</i> , 2020, 1, 100047.	9.1	177
42	Application of Bayesian Additive Regression Trees for Estimating Daily Concentrations of PM <sub>2.5</sub> Components. <i>Atmosphere</i> , 2020, 11, 1233.	2.3	10
43	Temporal changes in short-term associations between cardiorespiratory emergency department visits and PM <sub>2.5</sub> in Los Angeles, 2005 to 2016. <i>Environmental Research</i> , 2020, 190, 109967.	7.5	16
44	Faecal contamination of the environment and child health: a systematic review and individual participant data meta-analysis. <i>Lancet Planetary Health</i> , The, 2020, 4, e405-e415.	11.4	22
45	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
46	A spatial hierarchical model for integrating and bias-correcting data from passive and active disease surveillance systems. <i>Spatial and Spatio-temporal Epidemiology</i> , 2020, 35, 100341.	1.7	4
47	Exposure measurement error and the characterization of child exposure to fecal contamination in drinking water. <i>Npj Clean Water</i> , 2020, 3, .	8.0	10
48	Design and Rationale of the HAPIN Study: A Multicountry Randomized Controlled Trial to Assess the Effect of Liquefied Petroleum Gas Stove and Continuous Fuel Distribution. <i>Environmental Health Perspectives</i> , 2020, 128, 47008.	6.0	72
49	Environmental and spatial determinants of enteric pathogen infection in rural Lao People's Democratic Republic: A cross-sectional study. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008180.	3.0	10
50	Cardiovascular disease risk and pathophysiology in South Asians: can longitudinal multi-omics shed light?. <i>Wellcome Open Research</i> , 2020, 5, 255.	1.8	4
51	The DIOS framework for optimizing infectious disease surveillance: Numerical methods for simulation and multi-objective optimization of surveillance network architectures. <i>PLoS Computational Biology</i> , 2020, 16, e1008477.	3.2	3
52	Characterization of the concentration-response curve for ambient ozone and acute respiratory morbidity in 5 US cities. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2019, 29, 267-277.	3.9	6
53	Assessing longer-term effectiveness of a combined household-level piped water and sanitation intervention on child diarrhoea, acute respiratory infection, soil-transmitted helminth infection and nutritional status: a matched cohort study in rural Odisha, India. <i>International Journal of Epidemiology</i> , 2019, 48, 1757-1767.	1.9	35
54	Impact of a school-based water, sanitation, and hygiene intervention on school absence, diarrhea, respiratory infection, and soil-transmitted helminths: results from the WASH HELPS cluster-randomized trial. <i>Journal of Global Health</i> , 2019, 9, 020402.	2.7	43

#	ARTICLE	IF	CITATIONS
55	Time-series analysis of satellite-derived fine particulate matter pollution and asthma morbidity in Jackson, MS. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 280.	2.7	16
56	Sex differences in the interaction of short-term particulate matter exposure and psychosocial stressors on C-reactive protein in a Puerto Rican cohort. <i>SSM - Population Health</i> , 2019, 9, 100500.	2.7	3
57	Application of a Fusion Method for Gas and Particle Air Pollutants between Observational Data and Chemical Transport Model Simulations Over the Contiguous United States for 2005–2014. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3314.	2.6	17
58	A Bayesian ensemble approach to combine PM <sub>2.5</sub> estimates from statistical models using satellite imagery and numerical model simulation. <i>Environmental Research</i> , 2019, 178, 108601.	7.5	31
59	Precipitation and Salmonellosis Incidence in Georgia, USA: Interactions between Extreme Rainfall Events and Antecedent Rainfall Conditions. <i>Environmental Health Perspectives</i> , 2019, 127, 97005.	6.0	18
60	Associations of wildfire smoke PM <sub>2.5</sub> exposure with cardiorespiratory events in Colorado 2011–2014. <i>Environment International</i> , 2019, 133, 105151.	10.0	94
61	Spatiotemporal Error in Rainfall Data: Consequences for Epidemiologic Analysis of Waterborne Diseases. <i>American Journal of Epidemiology</i> , 2019, 188, 950-959.	3.4	17
62	Mass Gatherings and Diarrheal Disease Transmission Among Rural Communities in Coastal Ecuador. <i>American Journal of Epidemiology</i> , 2019, 188, 1475-1483.	3.4	7
63	Associations between soil-transmitted helminthiasis and viral, bacterial, and protozoal enteroinfections: a cross-sectional study in rural Laos. <i>Parasites and Vectors</i> , 2019, 12, 216.	2.5	16
64	Impact of air pollution control policies on cardiorespiratory emergency department visits, Atlanta, GA, 1999–2013. <i>Environment International</i> , 2019, 126, 627-634.	10.0	13
65	2329. Incidences and Characteristics of Influenza Among Pregnant Women in Middle-Income Countries: Preliminary Results of the Pregnancy and Influenza Multinational Epidemiologic (PRIME) Study. <i>Open Forum Infectious Diseases</i> , 2019, 6, S800-S800.	0.9	1
66	Source-AppORTioned PM <sub>2.5</sub> and Cardiorespiratory Emergency Department Visits. <i>Epidemiology</i> , 2019, 30, 789-798.	2.7	18
67	Associations Between Ambient Air Pollutant Concentrations and Birth Weight. <i>Epidemiology</i> , 2019, 30, 624-632.	2.7	22
68	Age-Specific Associations of Ozone and Fine Particulate Matter with Respiratory Emergency Department Visits in the United States. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 882-890.	5.6	96
69	Spatial regression with an informatively missing covariate: Application to mapping fine particulate matter. <i>Environmetrics</i> , 2018, 29, e2499.	1.4	6
70	Cross-comparison and evaluation of air pollution field estimation methods. <i>Atmospheric Environment</i> , 2018, 179, 49-60.	4.1	50
71	Data Integration Model for Air Quality: A Hierarchical Approach to the Global Estimation of Exposures to Ambient Air Pollution. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2018, 67, 231-253.	1.0	112
72	Modeling the potential health benefits of lower household air pollution after a hypothetical liquified petroleum gas (LPG) cookstove intervention. <i>Environment International</i> , 2018, 111, 71-79.	10.0	44

#	ARTICLE	IF	CITATIONS
73	Estimates of global seasonal influenza-associated respiratory mortality: a modelling study. <i>Lancet, The</i> , 2018, 391, 1285-1300.	13.7	1,870
74	A longitudinal feature selection method identifies relevant genes to distinguish complicated injury and uncomplicated injury over time. <i>BMC Medical Informatics and Decision Making</i> , 2018, 18, 115.	3.0	5
75	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
76	The sensitivity of satellite-based PM <sub>2.5</sub> estimates to its inputs: Implications to model development in data-poor regions. <i>Environment International</i> , 2018, 121, 550-560.	10.0	26
77	A Bayesian Downscaler Model to Estimate Daily PM <sub>2.5</sub> Levels in the Conterminous US. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1999.	2.6	12
78	An Ensemble Machine-Learning Model To Predict Historical PM <sub>2.5</sub> Concentrations in China from Satellite Data. <i>Environmental Science &amp; Technology</i> , 2018, 52, 13260-13269.	10.0	215
79	Estimating Acute Cardiovascular Effects of Ambient PM <sub>2.5</sub> Metals. <i>Environmental Health Perspectives</i> , 2018, 126, 027007.	6.0	53
80	Longitudinal impacts of two causal drivers of alcohol demand on outlet concentrations within community settings: Population size and income effects. <i>Spatial and Spatio-temporal Epidemiology</i> , 2018, 27, 21-28.	1.7	3
81	Associations between birth outcomes and maternal PM <sub>2.5</sub> exposure in Shanghai: A comparison of three exposure assessment approaches. <i>Environment International</i> , 2018, 117, 226-236.	10.0	66
82	The impact of school water, sanitation, and hygiene improvements on infectious disease using serum antibody detection. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006418.	3.0	19
83	Satellite-Based Daily PM <sub>2.5</sub> Estimates During Fire Seasons in Colorado. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 8159-8171.	3.3	36
84	Errors associated with the use of roadside monitoring in the estimation of acute traffic pollutant-related health effects. <i>Environmental Research</i> , 2018, 165, 210-219.	7.5	21
85	Time-Series Analysis of Air Pollution and Health Accounting for Covariate-Dependent Overdispersion. <i>American Journal of Epidemiology</i> , 2018, 187, 2698-2704.	3.4	3
86	A multicity study of air pollution and cardiorespiratory emergency department visits: Comparing approaches for combining estimates across cities. <i>Environment International</i> , 2018, 120, 312-320.	10.0	14
87	Short-and medium-term associations of particle number concentration with cardiovascular markers in a Puerto Rican cohort. <i>Environmental Research</i> , 2018, 166, 595-601.	7.5	6
88	Use of high-resolution metabolomics for the identification of metabolic signals associated with traffic-related air pollution. <i>Environment International</i> , 2018, 120, 145-154.	10.0	113
89	Satellite-Based Daily PM <sub>2.5</sub> Estimates during Fire Seasons in Colorado. <i>ISEE Conference Abstracts</i> , 2018, .	0.0	2
90	Assessment of neighbourhood-level socioeconomic status as a modifier of air pollution-asthma associations among children in Atlanta. <i>Journal of Epidemiology and Community Health</i> , 2017, 71, 129-136.	3.7	75

#	ARTICLE	IF	CITATIONS
91	Ozone and childhood respiratory disease in three US cities: evaluation of effect measure modification by neighborhood socioeconomic status using a Bayesian hierarchical approach. <i>Environmental Health</i> , 2017, 16, 36.	4.0	40
92	Identification of prognostic genes and gene sets for early-stage non-small cell lung cancer using bi-level selection methods. <i>Scientific Reports</i> , 2017, 7, 46164.	3.3	9
93	Evaluation of individual and area-level factors as modifiers of the association between warm-season temperature and pediatric asthma morbidity in Atlanta, GA. <i>Environmental Research</i> , 2017, 156, 132-144.	7.5	33
94	Daily ambient air pollution metrics for five cities: Evaluation of data-fusion-based estimates and uncertainties. <i>Atmospheric Environment</i> , 2017, 158, 36-50.	4.1	27
95	Socioeconomic Status and Non-Fatal Adult Injuries in Selected Atlanta (Georgia USA) Hospitals. <i>Prehospital and Disaster Medicine</i> , 2017, 32, 403-413.	1.3	5
96	Stepped-wedge cluster-randomised controlled trial to assess the cardiovascular health effects of a managed aquifer recharge initiative to reduce drinking water salinity in southwest coastal Bangladesh: study design and rationale. <i>BMJ Open</i> , 2017, 7, e015205.	1.9	18
97	Full-coverage high-resolution daily PM <sub>2.5</sub> estimation using MAIAC AOD in the Yangtze River Delta of China. <i>Remote Sensing of Environment</i> , 2017, 199, 437-446.	11.0	239
98	The impact of climate change and emissions control on future ozone levels: Implications for human health. <i>Environment International</i> , 2017, 108, 41-50.	10.0	52
99	Design and rationale of a matched cohort study to assess the effectiveness of a combined household-level piped water and sanitation intervention in rural Odisha, India. <i>BMJ Open</i> , 2017, 7, e012719.	1.9	16
100	Estimating Acute Cardiorespiratory Effects of Ambient Volatile Organic Compounds. <i>Epidemiology</i> , 2017, 28, 197-206.	2.7	47
101	The Potential Impact of Satellite-Retrieved Cloud Parameters on Ground-Level PM <sub>2.5</sub> Mass and Composition. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1244.	2.6	15
102	Time-series Analysis of Heat Waves and Emergency Department Visits in Atlanta, 1993 to 2012. <i>Environmental Health Perspectives</i> , 2017, 125, 057009.	6.0	52
103	Associations between Ambient Fine Particulate Oxidative Potential and Cardiorespiratory Emergency Department Visits. <i>Environmental Health Perspectives</i> , 2017, 125, 107008.	6.0	96
104	Pediatric Emergency Visits and Short-Term Changes in PM <sub>2.5</sub> Concentrations in the U.S. State of Georgia. <i>Environmental Health Perspectives</i> , 2016, 124, 690-696.	6.0	64
105	Air Pollution and Preterm Birth in the U.S. State of Georgia (2002–2006): Associations with Concentrations of 11 Ambient Air Pollutants Estimated by Combining Community Multiscale Air Quality Model (CMAQ) Simulations with Stationary Monitor Measurements. <i>Environmental Health Perspectives</i> , 2016, 124, 875-880.	6.0	75
106	A Bioequivalence Test by the Direct Comparison of Concentration-versus-Time Curves Using Local Polynomial Smoothers. <i>Computational and Mathematical Methods in Medicine</i> , 2016, 2016, 1-6.	1.3	1
107	Genetic Evidence of Contemporary Dispersal of the Intermediate Snail Host of <i>Schistosoma japonicum</i> : Movement of an NTD Host Is Facilitated by Land Use and Landscape Connectivity. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0005151.	3.0	8
108	A county-level analysis of persons living with HIV in the southern United States. <i>AIDS Care - Psychological and Socio-Medical Aspects of AIDS/HIV</i> , 2016, 28, 266-272.	1.2	11

#	ARTICLE	IF	CITATIONS
109	Improving the Accuracy of Daily PM <sub>2.5</sub> Distributions Derived from the Fusion of Ground-Level Measurements with Aerosol Optical Depth Observations, a Case Study in North China. <i>Environmental Science &amp; Technology</i> , 2016, 50, 4752-4759.	10.0	118
110	Characterizing the spatial distribution of multiple pollutants and populations at risk in Atlanta, Georgia. <i>Spatial and Spatio-temporal Epidemiology</i> , 2016, 18, 13-23.	1.7	17
111	The Impact of a School-Based Water, Sanitation, and Hygiene Program on Absenteeism, Diarrhea, and Respiratory Infection: A Matchedâ€“Control Trial in Mali. <i>American Journal of Tropical Medicine and Hygiene</i> , 2016, 94, 1418-1425.	1.4	60
112	Weighted-SAMGSR: combining significance analysis of microarray-gene set reduction algorithm with pathway topology-based weights to select relevant genes. <i>Biology Direct</i> , 2016, 11, 50.	4.6	14
113	Warm season temperatures and emergency department visits in Atlanta, Georgia. <i>Environmental Research</i> , 2016, 147, 314-323.	7.5	68
114	Ambient air pollution epidemiology systematic review and meta-analysis: A review of reporting and methods practice. <i>Environment International</i> , 2016, 92-93, 647-656.	10.0	23
115	Method for Fusing Observational Data and Chemical Transport Model Simulations To Estimate Spatiotemporally Resolved Ambient Air Pollution. <i>Environmental Science &amp; Technology</i> , 2016, 50, 3695-3705.	10.0	86
116	Ambient air pollution and emergency department visits for asthma: a multi-city assessment of effect modification by age. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2016, 26, 180-188.	3.9	75
117	Current Methods and Challenges for Epidemiological Studies of the Associations Between Chemical Constituents of Particulate Matter and Health. <i>Current Environmental Health Reports</i> , 2015, 2, 388-398.	6.7	27
118	Exploring associations between multipollutant day types and asthma morbidity: epidemiologic applications of self-organizing map ambient air quality classifications. <i>Environmental Health</i> , 2015, 14, 55.	4.0	19
119	Associations between ambient air pollutant mixtures and pediatric asthma emergency department visits in three cities: a classification and regression tree approach. <i>Environmental Health</i> , 2015, 14, 58.	4.0	18
120	Assessment of critical exposure and outcome windows in time-to-event analysis with application to air pollution and preterm birth study. <i>Biostatistics</i> , 2015, 16, 509-521.	1.5	59
121	Associations between Weather and Microbial Load on Fresh Produce Prior to Harvest. <i>Journal of Food Protection</i> , 2015, 78, 849-854.	1.7	11
122	Ensemble-Based Source Apportionment of Fine Particulate Matter and Emergency Department Visits for Pediatric Asthma. <i>American Journal of Epidemiology</i> , 2015, 181, 504-512.	3.4	31
123	Geographic variation and neighborhood factors are associated with low rates of preâ€“end-stage renal disease nephrology care. <i>Kidney International</i> , 2015, 88, 614-621.	5.2	29
124	Calibrating MODIS aerosol optical depth for predicting daily PM <sub>2.5</sub> concentrations via statistical downscaling. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2014, 24, 398-404.	3.9	59
125	An Empirical Assessment of Exposure Measurement Error and Effect Attenuation in Bipollutant Epidemiologic Models. <i>Environmental Health Perspectives</i> , 2014, 122, 1216-1224.	6.0	30
126	A spectral method for spatial downscaling. <i>Biometrics</i> , 2014, 70, 932-942.	1.4	22



#	ARTICLE	IF	CITATIONS
127	Using self-organizing maps to develop ambient air quality classifications: a time series example. <i>Environmental Health</i> , 2014, 13, 56.	4.0	37
128	Classification and regression trees for epidemiologic research: an air pollution example. <i>Environmental Health</i> , 2014, 13, 17.	4.0	50
129	Inter-Model Comparison of the Landscape Determinants of Vector-Borne Disease: Implications for Epidemiological and Entomological Risk Modeling. <i>PLoS ONE</i> , 2014, 9, e103163.	2.5	4
130	A Spatial Time-to-Event Approach for Estimating Associations Between Air Pollution and Preterm Birth. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2013, 62, 167-179.	1.0	17
131	Application of alternative spatiotemporal metrics of ambient air pollution exposure in a time-series epidemiological study in Atlanta. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2013, 23, 593-605.	3.9	52
132	Spatially-Explicit Simulation Modeling of Ecological Response to Climate Change: Methodological Considerations in Predicting Shifting Population Dynamics of Infectious Disease Vectors. <i>ISPRS International Journal of Geo-Information</i> , 2013, 2, 645-664.	2.9	7
133	Time-to-Event Analysis of Fine Particle Air Pollution and Preterm Birth: Results From North Carolina, 2001-2005. <i>American Journal of Epidemiology</i> , 2012, 175, 91-98.	3.4	101
134	Time series analysis of personal exposure to ambient air pollution and mortality using an exposure simulator. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2012, 22, 483-488.	3.9	14
135	Estimating the acute health effects of coarse particulate matter accounting for exposure measurement error. <i>Biostatistics</i> , 2011, 12, 637-652.	1.5	71
136	Coarse Particulate Matter Air Pollution and Hospital Admissions for Cardiovascular and Respiratory Diseases Among Medicare Patients. <i>JAMA - Journal of the American Medical Association</i> , 2008, 299, 2172.	7.4	327