

# Stuart A Batterman

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

208 papers	6,315 citations	45 h-index	67 g-index
218 ext. papers	7,284 ext. citations	6.2 avg, IF	6.26 L-index

#	Paper	IF	Citations
208	Air pollution and health risks due to vehicle traffic. <i>Science of the Total Environment</i> , <b>2013</b> , 450-451, 307-16.2	16.2	284
207	VOCs in industrial, urban and suburban neighborhoods, Part 1: Indoor and outdoor concentrations, variation, and risk drivers. <i>Atmospheric Environment</i> , <b>2008</b> , 42, 2083-2100	5.3	174
206	Indoor air quality in Michigan schools. <i>Indoor Air</i> , <b>2007</b> , 17, 109-21	5.4	161
205	A critical review of naphthalene sources and exposures relevant to indoor and outdoor air. <i>International Journal of Environmental Research and Public Health</i> , <b>2010</b> , 7, 2903-39	4.6	147
204	Optimizing Traffic Control to Reduce Fuel Consumption and Vehicular Emissions: Integrated Approach with VISSIM, CMEM, and VISGAOST. <i>Transportation Research Record</i> , <b>2009</b> , 2128, 105-113	1.7	127
203	Concentrations and emissions of polybrominated diphenyl ethers from U.S. houses and garages. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 2693-700	10.3	125
202	Optimal coating selection for the analysis of organic vapor mixtures with polymer-coated surface acoustic wave sensor arrays. <i>Analytical Chemistry</i> , <b>1995</b> , 67, 1092-106	7.8	114
201	Vehicle emissions in congestion: Comparison of work zone, rush hour and free-flow conditions. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 1929-1939	5.3	105
200	Migration of volatile organic compounds from attached garages to residences: a major exposure source. <i>Environmental Research</i> , <b>2007</b> , 104, 224-40	7.9	104
199	Statistical strategies for constructing health risk models with multiple pollutants and their interactions: possible choices and comparisons. <i>Environmental Health</i> , <b>2013</b> , 12, 85	6	95
198	VOCs in industrial, urban and suburban neighborhoods Part 2: Factors affecting indoor and outdoor concentrations. <i>Atmospheric Environment</i> , <b>2008</b> , 42, 2101-2116	5.3	92
197	Levels and sources of volatile organic compounds in homes of children with asthma. <i>Indoor Air</i> , <b>2014</b> , 24, 403-15	5.4	90
196	Life-cycle energy and greenhouse gas analysis of three building types in a residential area in Lisbon. <i>Energy and Buildings</i> , <b>2014</b> , 69, 344-353	7	87
195	Trends of chlorinated organic contaminants in great lakes trout and walleye from 1970 to 1998. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2006</b> , 50, 97-110	3.2	86
194	Brominated flame retardants in offices in Michigan, USA. <i>Environment International</i> , <b>2010</b> , 36, 548-56	12.9	85
193	Characterization of particulate emissions from occupant activities in offices. <i>Indoor Air</i> , <b>2001</b> , 11, 35-48	5.4	83
192	Performance evaluation of a sorbent tube sampling method using short path thermal desorption for volatile organic compounds. <i>Journal of Environmental Monitoring</i> , <b>2000</b> , 2, 313-24		75

191	Levels and composition of volatile organic compounds on commuting routes in Detroit, Michigan. <i>Atmospheric Environment</i> , <b>2002</b> , 36, 6015-6030	5.3	74
190	Particulate matter concentrations in residences: an intervention study evaluating stand-alone filters and air conditioners. <i>Indoor Air</i> , <b>2012</b> , 22, 235-52	5.4	73
189	Review and Extension of CO <sub>2</sub> -Based Methods to Determine Ventilation Rates with Application to School Classrooms. <i>International Journal of Environmental Research and Public Health</i> , <b>2017</b> , 14,	4.6	72
188	Association of Environmental Toxins With Amyotrophic Lateral Sclerosis. <i>JAMA Neurology</i> , <b>2016</b> , 73, 803-112	4.1	68
187	Residence location as a measure of environmental exposure: a review of air pollution epidemiology studies. <i>Journal of Exposure Science and Environmental Epidemiology</i> , <b>2000</b> , 10, 66-85	6.7	67
186	The Near-Road Exposures and Effects of Urban Air Pollutants Study (NEXUS): study design and methods. <i>Science of the Total Environment</i> , <b>2013</b> , 448, 38-47	10.2	64
185	Experimental and modeling study of visible light responsive photocatalytic oxidation (PCO) materials for toluene degradation. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 216, 122-132	21.8	63
184	Distributions of personal VOC exposures: a population-based analysis. <i>Environment International</i> , <b>2008</b> , 34, 922-31	12.9	63
183	PCBs in air, soil and milk in industrialized and urban areas of KwaZulu-Natal, South Africa. <i>Environmental Pollution</i> , <b>2009</b> , 157, 654-63	9.3	62
182	Association of daily asthma emergency department visits and hospital admissions with ambient air pollutants among the pediatric Medicaid population in Detroit: time-series and time-stratified case-crossover analyses with threshold effects. <i>Environmental Research</i> , <b>2011</b> , 111, 1137-47	7.9	60
181	Composition and emissions of VOCs in main- and side-stream smoke of research cigarettes. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 5371-5384	5.3	60
180	PAHs (polycyclic aromatic hydrocarbons), nitro-PAHs, and hopane and sterane biomarkers in sediments of southern Lake Michigan, USA. <i>Science of the Total Environment</i> , <b>2014</b> , 487, 173-86	10.2	59
179	Air pollutant exposure and preterm and term small-for-gestational-age births in Detroit, Michigan: long-term trends and associations. <i>Environment International</i> , <b>2012</b> , 44, 7-17	12.9	57
178	Indoor air quality and thermal comfort-results of a pilot study in elderly care centers in Portugal. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2013</b> , 76, 333-44	3.2	57
177	VOC and particulate emissions from commercial cigarettes: analysis of 2,5-DMF as an ETS tracer. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 1324-31	10.3	57
176	Analysis and stability of aldehydes and terpenes in electropolished canisters. <i>Atmospheric Environment</i> , <b>1998</b> , 32, 1647-1655	5.3	56
175	Sustainable control of water-related infectious diseases: a review and proposal for interdisciplinary health-based systems research. <i>Environmental Health Perspectives</i> , <b>2009</b> , 117, 1023-32	8.4	55
174	Concentrations and emissions of gasoline and other vapors from residential vehicle garages. <i>Atmospheric Environment</i> , <b>2006</b> , 40, 1828-1844	5.3	55

173	Spatiotemporal characteristics of PM and PM at urban and corresponding background sites in 23 cities in China. <i>Science of the Total Environment</i> , <b>2017</b> , 599-600, 2074-2084	10.2	54
172	Impacts of climate change on public health in India: future research directions. <i>Environmental Health Perspectives</i> , <b>2011</b> , 119, 765-70	8.4	54
171	Environmental Reporting by the Fortune 50 Firms. <i>Environmental Management</i> , <b>1997</b> , 21, 865-75	3.1	54
170	Sources, concentrations, and risks of naphthalene in indoor and outdoor air. <i>Indoor Air</i> , <b>2012</b> , 22, 266-78	5.4	53
169	Hydrocarbon vapor transport in low moisture soils. <i>Environmental Science &amp; Technology</i> , <b>1995</b> , 29, 171-80	10.3	53
168	Partition coefficients for the trihalomethanes among blood, urine, water, milk and air. <i>Science of the Total Environment</i> , <b>2002</b> , 284, 237-47	10.2	52
167	Determinants of personal, indoor and outdoor VOC concentrations: an analysis of the RIOPA data. <i>Environmental Research</i> , <b>2013</b> , 126, 192-203	7.9	51
166	Trends of brominated diphenyl ethers in fresh and archived Great Lakes fish (1979-2005). <i>Chemosphere</i> , <b>2007</b> , 69, 444-57	8.4	48
165	Particle Concentrations and Effectiveness of Free-Standing Air Filters in Bedrooms of Children with Asthma in Detroit, Michigan. <i>Building and Environment</i> , <b>2011</b> , 46, 2303-2313	6.5	46
164	Asthma exacerbation and proximity of residence to major roads: a population-based matched case-control study among the pediatric Medicaid population in Detroit, Michigan. <i>Environmental Health</i> , <b>2011</b> , 10, 34	6	45
163	Near-road air pollutant concentrations of CO and PM <sub>2.5</sub> : A comparison of MOBILE6.2/CALINE4 and generalized additive models. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 1740-1748	5.3	45
162	Characteristics of PM Concentrations across Beijing during 2013-2015. <i>Atmospheric Environment</i> , <b>2016</b> , 145, 104-114	5.3	45
161	Environmental risk factors and amyotrophic lateral sclerosis (ALS): a case-control study of ALS in Michigan. <i>PLoS ONE</i> , <b>2014</b> , 9, e101186	3.7	44
160	Proximity of schools in Detroit, Michigan to automobile and truck traffic. <i>Journal of Exposure Science and Environmental Epidemiology</i> , <b>2006</b> , 16, 457-70	6.7	43
159	Variability of indoor and outdoor VOC measurements: an analysis using variance components. <i>Environmental Pollution</i> , <b>2012</b> , 169, 152-9	9.3	42
158	GPS-based microenvironment tracker (MicroTrac) model to estimate time-location of individuals for air pollution exposure assessments: model evaluation in central North Carolina. <i>Journal of Exposure Science and Environmental Epidemiology</i> , <b>2014</b> , 24, 412-20	6.7	42
157	Long duration tests of room air filters in cigarette smokers' homes. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 7260-8	10.3	42
156	Ozone artifacts and carbonyl measurements using Tenax GR, Tenax TA, Carboxen B, and Carboxen X adsorbents. <i>Journal of the Air and Waste Management Association</i> , <b>2006</b> , 56, 1503-17	2.4	42

155	Air change rates and interzonal flows in residences, and the need for multi-zone models for exposure and health analyses. <i>International Journal of Environmental Research and Public Health</i> , <b>2012</b> , 9, 4639-61	4.6	41
154	VOC composition of current motor vehicle fuels and vapors, and collinearity analyses for receptor modeling. <i>Chemosphere</i> , <b>2012</b> , 86, 951-8	8.4	41
153	Factors affecting pollutant concentrations in the near-road environment. <i>Atmospheric Environment</i> , <b>2015</b> , 115, 223-235	5.3	40
152	Volatile Organic Compounds (VOCs) in Conventional and High Performance School Buildings in the U.S. <i>International Journal of Environmental Research and Public Health</i> , <b>2017</b> , 14,	4.6	40
151	Temporal variation of traffic on highways and the development of accurate temporal allocation factors for air pollution analyses. <i>Atmospheric Environment</i> , <b>2015</b> , 107, 351-363	5.3	39
150	Low-flow active and passive sampling of VOCs using thermal desorption tubes: theory and application at an offset printing facility. <i>Journal of Environmental Monitoring</i> , <b>2002</b> , 4, 361-70		39
149	Reduction of Ingestion Exposure to Trihalomethanes Due to Volatilization. <i>Environmental Science &amp; Technology</i> , <b>2000</b> , 34, 4418-4424	10.3	39
148	Ventilation rates in recently constructed U.S. school classrooms. <i>Indoor Air</i> , <b>2017</b> , 27, 880-890	5.4	37
147	Concentrations and speciation of polybrominated diphenyl ethers in human amniotic fluid. <i>Science of the Total Environment</i> , <b>2012</b> , 417-418, 294-8	10.2	37
146	Spatial Resolution Requirements for Traffic-Related Air Pollutant Exposure Evaluations. <i>Atmospheric Environment</i> , <b>2014</b> , 94, 518-528	5.3	36
145	Simultaneous measurement of ventilation using tracer gas techniques and VOC concentrations in homes, garages and vehicles. <i>Journal of Environmental Monitoring</i> , <b>2006</b> , 8, 249-56		35
144	Air exchange rates and migration of VOCs in basements and residences. <i>Indoor Air</i> , <b>2015</b> , 25, 598-609	5.4	34
143	Polybrominated diphenyl ethers in human gestational membranes from women in southeast Michigan. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 3042-6	10.3	34
142	Quenching of chlorination disinfection by-product formation in drinking water by hydrogen peroxide. <i>Water Research</i> , <b>2000</b> , 34, 1652-1658	12.5	34
141	Development and comparison of methods using MS scan and selective ion monitoring modes for a wide range of airborne VOCs. <i>Journal of Environmental Monitoring</i> , <b>2006</b> , 8, 1029-42		33
140	Multimedia model for polycyclic aromatic hydrocarbons (PAHs) and nitro-PAHs in Lake Michigan. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 13817-25	10.3	32
139	A comparison of exposure metrics for traffic-related air pollutants: application to epidemiology studies in Detroit, Michigan. <i>International Journal of Environmental Research and Public Health</i> , <b>2014</b> , 11, 9553-77	4.6	32
138	Longitudinal trends in perfluoroalkyl and polyfluoroalkyl substances among multiethnic midlife women from 1999 to 2011: The Study of Women's Health Across the Nation. <i>Environment International</i> , <b>2020</b> , 135, 105381	12.9	32

137	Air quality modeling in support of the Near-Road Exposures and Effects of Urban Air Pollutants Study (NEXUS). <i>International Journal of Environmental Research and Public Health</i> , <b>2014</b> , 11, 8777-93	4.6	31
136	Disease and Health Inequalities Attributable to Air Pollutant Exposure in Detroit, Michigan. <i>International Journal of Environmental Research and Public Health</i> , <b>2017</b> , 14,	4.6	31
135	Ambient pollution and respiratory outcomes among schoolchildren in Durban, South Africa. <i>SAJCH South African Journal of Child Health</i> , <b>2013</b> , 7, 127-134	0.8	31
134	Manganese and lead in children's blood and airborne particulate matter in Durban, South Africa. <i>Science of the Total Environment</i> , <b>2011</b> , 409, 1058-68	10.2	31
133	Air Pollution Exposure Model for Individuals (EMI) in Health Studies: Evaluation for Ambient PM2.5 in Central North Carolina. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 14184-94	10.3	30
132	Gaseous and Particulate Emissions from Diesel Engines at Idle and under Load: Comparison of Biodiesel Blend and Ultralow Sulfur Diesel Fuels. <i>Energy &amp; Fuels</i> , <b>2012</b> , 26, 6737-6748	4.1	30
131	Health impact metrics for air pollution management strategies. <i>Environment International</i> , <b>2015</b> , 85, 84-95	11.9	29
130	Concentrations and risks of organic and metal contaminants in Eurasian caviar. <i>Ecotoxicology and Environmental Safety</i> , <b>2008</b> , 71, 138-48	7	29
129	Trends in PM emissions, concentrations and apportionments in Detroit and Chicago. <i>Atmospheric Environment</i> , <b>2016</b> , 129, 197-209	5.3	28
128	Ethnicity, housing and personal factors as determinants of VOC exposures. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 2884-2892	5.3	28
127	Breath, urine, and blood measurements as biological exposure indices of short-term inhalation exposure to methanol. <i>International Archives of Occupational and Environmental Health</i> , <b>1998</b> , 71, 325-35	5.2	28
126	Effects of fuels, engine load and exhaust after-treatment on diesel engine SVOC emissions and development of SVOC profiles for receptor modeling. <i>Atmospheric Environment</i> , <b>2015</b> , 102, 229-238	5.3	27
125	Formation of trihalomethanes in foods and beverages. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , <b>2009</b> , 26, 947-57	3.2	27
124	Time-resolved cutaneous absorption and permeation rates of methanol in human volunteers. <i>International Archives of Occupational and Environmental Health</i> , <b>1997</b> , 70, 341-51	3.2	27
123	Extended disjoint principal-components regression analysis of SAW vapor sensor-array responses. <i>Sensors and Actuators B: Chemical</i> , <b>1993</b> , 12, 123-133	8.5	27
122	Effective Gas-Phase Diffusion Coefficients in Soils at Varying Water Content Measured Using a One-Flow Sorbent-Based Technique. <i>Environmental Science &amp; Technology</i> , <b>1996</b> , 30, 770-778	10.3	26
121	TVOC and CO2 Concentrations as Indicators in Indoor Air Quality Studies. <i>AIHA Journal</i> , <b>1995</b> , 56, 55-65		26
120	Air quality in the Industrial Heartland of Alberta, Canada and potential impacts on human health. <i>Atmospheric Environment</i> , <b>2013</b> , 81, 702-709	5.3	25

119	Diffusive uptake in passive and active adsorbent sampling using thermal desorption tubes. <i>Journal of Environmental Monitoring</i> , <b>2002</b> , 4, 870-8		25
118	High resolution spatial and temporal mapping of traffic-related air pollutants. <i>International Journal of Environmental Research and Public Health</i> , <b>2015</b> , 12, 3646-66	4.6	24
117	VOC sources and exposures in nail salons: a pilot study in Michigan, USA. <i>International Archives of Occupational and Environmental Health</i> , <b>2019</b> , 92, 141-153	3.2	24
116	Urinary metals and metal mixtures in midlife women: The Study of Women's Health Across the Nation (SWAN). <i>International Journal of Hygiene and Environmental Health</i> , <b>2019</b> , 222, 778-789	6.9	23
115	Concentrations and risks of p-dichlorobenzene in indoor and outdoor air. <i>Indoor Air</i> , <b>2013</b> , 23, 40-9	5.4	23
114	PAHs, nitro-PAHs, hopanes, and steranes in lake trout from Lake Michigan. <i>Environmental Toxicology and Chemistry</i> , <b>2014</b> , 33, 1792-801	3.8	23
113	GSTM1 and GSTP1 gene variants and the effect of air pollutants on lung function measures in South African children. <i>American Journal of Industrial Medicine</i> , <b>2012</b> , 55, 1078-86	2.7	23
112	Sources and migration of volatile organic compounds in mixed-use buildings. <i>Indoor Air</i> , <b>2010</b> , 20, 357-69	5.4	23
111	Dispersion Modeling of Traffic-Related Air Pollutant Exposures and Health Effects Among Children with Asthma in Detroit, Michigan. <i>Transportation Research Record</i> , <b>2014</b> , 2452, 105-112	1.7	22
110	High plasma concentrations of organic pollutants negatively impact survival in amyotrophic lateral sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2019</b> , 90, 907-912	5.5	22
109	Acute respiratory symptoms associated with short term fluctuations in ambient pollutants among schoolchildren in Durban, South Africa. <i>Environmental Pollution</i> , <b>2018</b> , 233, 529-539	9.3	22
108	Prediction and analysis of near-road concentrations using a reduced-form emission/dispersion model. <i>Environmental Health</i> , <b>2010</b> , 9, 29	6	21
107	Effect of geocoding errors on traffic-related air pollutant exposure and concentration estimates. <i>Journal of Exposure Science and Environmental Epidemiology</i> , <b>2015</b> , 25, 490-8	6.7	20
106	Effect of Particulate Matter Exposure on Respiratory Health of e-Waste Workers at Agbogbloshie, Accra, Ghana. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	20
105	Extreme value analyses of VOC exposures and risks: A comparison of RIOPA and NHANES datasets. <i>Atmospheric Environment</i> , <b>2012</b> , 62, 97-106	5.3	20
104	Sorption of trihalomethanes in foods. <i>Environment International</i> , <b>2010</b> , 36, 754-62	12.9	20
103	Development and Application of Competencies for Graduate Programs in Energy and Sustainability. <i>Journal of Professional Issues in Engineering Education and Practice</i> , <b>2011</b> , 137, 198-207	0.7	20
102	The relationship between asthma and ambient air pollutants among primary school students in Durban, South Africa. <i>International Journal of Environment and Health</i> , <b>2008</b> , 2, 365	1.3	20



101	Urinary metal mixtures and longitudinal changes in glucose homeostasis: The Study of Women's Health Across the Nation (SWAN). <i>Environment International</i> , <b>2020</b> , 145, 106109	12.9	20
100	Significance of mobility in the life-cycle assessment of buildings. <i>Building Research and Information</i> , <b>2016</b> , 44, 376-393	4.3	20
99	Operational evaluation of the RLINE dispersion model for studies of traffic-related air pollutants. <i>Atmospheric Environment</i> , <b>2018</b> , 182, 213-224	5.3	19
98	Rapid determination of ETS markers with a prototype field-portable GC employing a microsensor array detector. <i>Journal of Environmental Monitoring</i> , <b>2007</b> , 9, 440-8		19
97	Design and evaluation of a long-term soil gas flux sampler. <i>Environmental Science &amp; Technology</i> , <b>1992</b> , 26, 709-714	10.3	19
96	TVOC and CO <sub>2</sub> Concentrations as Indicators in Indoor Air Quality Studies. <i>AIHA Journal</i> , <b>1995</b> , 56, 55-65		19
95	On-Road Chemical Transformation as an Important Mechanism of NO Formation. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 4574-4582	10.3	18
94	Derivation of Time-Activity Data Using Wearable Cameras and Measures of Personal Inhalation Exposure among Workers at an Informal Electronic-Waste Recovery Site in Ghana. <i>Annals of Work Exposures and Health</i> , <b>2019</b> , 63, 829-841	2.4	18
93	Composition and Integrity of PAHs, Nitro-PAHs, Hopanes and Steranes In Diesel Exhaust Particulate Matter. <i>Water, Air, and Soil Pollution</i> , <b>2013</b> , 224, 1	2.6	18
92	Trends of VOC exposures among a nationally representative sample: Analysis of the NHANES 1988 through 2004 data sets. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 4858-4867	5.3	18
91	Performance and storage integrity of dried blood spots for PCB, BFR and pesticide measurements. <i>Science of the Total Environment</i> , <b>2014</b> , 494-495, 252-60	10.2	17
90	Air exchange rates from atmospheric CO daily cycle. <i>Energy and Buildings</i> , <b>2015</b> , 92, 188-194	7	17
89	Time allocation shifts and pollutant exposure due to traffic congestion: an analysis using the national human activity pattern survey. <i>Science of the Total Environment</i> , <b>2009</b> , 407, 5493-500	10.2	17
88	Prenatal exposures and DNA methylation in newborns: a pilot study in Durban, South Africa. <i>Environmental Sciences: Processes and Impacts</i> , <b>2016</b> , 18, 908-17	4.3	17
87	Associations of Perfluoroalkyl Substances with Incident Natural Menopause: The Study of Women's Health Across the Nation. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2020</b> , 105,	5.6	16
86	Design and performance evaluation of a medium flow sampler for airborne brominated flame retardants (BFRs). <i>Journal of Environmental Monitoring</i> , <b>2009</b> , 11, 858-66		15
85	Continuous, intermittent and passive sampling of airborne VOCs. <i>Journal of Environmental Monitoring</i> , <b>2007</b> , 9, 1220-30		14
84	Effectiveness of Using Enhanced Filters in Schools and Homes to Reduce Indoor Exposures to PM from Outdoor Sources and Subsequent Health Benefits for Children with Asthma. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 10767-10776	10.3	13



83	Modeling spatial and temporal variability of residential air exchange rates for the Near-Road Exposures and Effects of Urban Air Pollutants Study (NEXUS). <i>International Journal of Environmental Research and Public Health</i> , <b>2014</b> , 11, 11481-504	4.6	13
82	Evaluation of fuel consumption, pollutant emissions and well-to-wheel GHGs assessment from a vehicle operation fueled with bioethanol, gasoline and hydrogen. <i>Energy</i> , <b>2020</b> , 209, 118436	7.9	13
81	Use of Free-standing Filters in an Asthma Intervention Study. <i>Air Quality, Atmosphere and Health</i> , <b>2013</b> , 6, 759-767	5.6	12
80	Threshold quantity criteria for risk management programs: recommendations for toxic releases. <i>Journal of Hazardous Materials</i> , <b>2003</b> , 105, 39-60	12.8	12
79	Effect of intra-urban temperature variation on tree flowering phenology, airborne pollen, and measurement error in epidemiological studies of allergenic pollen. <i>Science of the Total Environment</i> , <b>2019</b> , 653, 1213-1222	10.2	12
78	Indoor environment quality in dental clinics: potential concerns from particulate matter. <i>American Journal of Dentistry</i> , <b>2003</b> , 16, 260-6	1.3	12
77	Hepatic polybrominated diphenyl ether (PBDE) levels in Wisconsin river otters () and Michigan bald eagles (). <i>Journal of Great Lakes Research</i> , <b>2015</b> , 41, 222-227	3	11
76	Air Quality Impacts at an E-Waste Site in Ghana Using Flexible, Moderate-Cost and Quality-Assured Measurements. <i>GeoHealth</i> , <b>2020</b> , 4, e2020GH000247	5	11
75	Occupational exposure and health risks of volatile organic compounds of hotel housekeepers: Field measurements of exposure and health risks. <i>Indoor Air</i> , <b>2021</b> , 31, 26-39	5.4	11
74	Modeling and analysis of personal exposures to VOC mixtures using copulas. <i>Environment International</i> , <b>2014</b> , 63, 236-45	12.9	10
73	Reproducibility and imputation of air toxics data. <i>Journal of Environmental Monitoring</i> , <b>2007</b> , 9, 1358-72		10
72	Non-methane hydrocarbon emissions from vehicle fuel caps. <i>Atmospheric Environment</i> , <b>2005</b> , 39, 1855-1867	13.67	10
71	Personal exposure to mixtures of volatile organic compounds: modeling and further analysis of the RIOPA data. <i>Research Report (health Effects Institute)</i> , <b>2014</b> , 3-63	0.9	10
70	Measurement and Comparison of Organic Compound Concentrations in Plasma, Whole Blood, and Dried Blood Spot Samples. <i>Frontiers in Genetics</i> , <b>2016</b> , 7, 64	4.5	10
69	Assessing concentrations and health impacts of air quality management strategies: Framework for Rapid Emissions Scenario and Health impact ESTimation (FRESH-EST). <i>Environment International</i> , <b>2016</b> , 94, 473-481	12.9	9
68	Temporal and spatial variation in allocating annual traffic activity across an urban region and implications for air quality assessments. <i>Transportation Research, Part D: Transport and Environment</i> , <b>2015</b> , 41, 401-415	6.4	9
67	Selection and evaluation of air pollution exposure indicators based on geographic areas. <i>Science of the Total Environment</i> , <b>2000</b> , 253, 127-44	10.2	9
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58	Allergenic pollen production across a large city for common ragweed (). <i>Landscape and Urban Planning</i> , <b>2019</b> , 190,	7.7	7
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50	Estimation and evaluation of exposures from a large sulfur fire in South Africa. <i>Environmental Research</i> , <b>1999</b> , 81, 316-33	7.9	6
49	Spatiotemporal variations in traffic activity and their influence on air pollution levels in communities near highways. <i>Atmospheric Environment</i> , <b>2020</b> , 242, 117758	5.3	6
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43	Nonstationary spatiotemporal Bayesian data fusion for pollutants in the near-road environment. <i>Environmetrics</i> , <b>2019</b> , 30, e2581	1.3	4
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39	Optimized acid rain abatement strategies using ecological goals. <i>Environmental Management</i> , <b>1992</b> , 16, 133-141	3.1	4
38	Tumour necrosis factor polymorphism (TNF-308G/A) in association with asthma related phenotypes and air pollutants among children in KwaZulu-Natal. <i>Asian Pacific Journal of Allergy and Immunology</i> , <b>2016</b> , 34, 217-222	5.4	4
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36	Non-stationary spatio-temporal modeling of traffic-related pollutants in near-road environments. <i>Spatial and Spatio-temporal Epidemiology</i> , <b>2016</b> , 18, 24-37	3.5	4
35	Impact of community respiratory viral infections in urban children with asthma. <i>Annals of Allergy, Asthma and Immunology</i> , <b>2019</b> , 122, 175-183.e2	3.2	4
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28	Blood and Urine Bioindicators for Methanol Exposure: Effect of Chilled and Frozen Sample Storage. <i>Journal of Occupational and Environmental Hygiene</i> , <b>1996</b> , 11, 25-29		3
27	Bayesian analysis of time-series data under case-crossover designs: posterior equivalence and inference. <i>Biometrics</i> , <b>2013</b> , 69, 925-36	1.8	2
26	An Extreme Value Analysis of Pollutant Concentrations in Surface Soils Due to Atmospheric Deposition. <i>Human and Ecological Risk Assessment (HERA)</i> , <b>2003</b> , 9, 1729-1746	4.9	2
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10	Absence of PCB Hot Spot Effect in Walleye Sander vitreus from Lower Green Bay of Lake Michigan. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2019</b> , 76, 442-452	3.2	1
9	Airborne volatile organic compounds at an e-waste site in Ghana: Source apportionment, exposure and health risks. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 419, 126353	12.8	1
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6	A community noise survey in Southwest Detroit and the value of supplemental metrics for truck noise. <i>Environmental Research</i> , <b>2021</b> , 197, 111064	7.9	0
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