Stuart A Batterman

List of Publications by Citations

Source: https://exaly.com/author-pdf/2344053/stuart-a-batterman-publications-by-citations.pdf
Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
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. *Science of the Total Environment*, **2013**, 450-451, 307-16	16.2	284
207	VOCs in industrial, urban and suburban neighborhoods, Part 1: Indoor and outdoor concentrations, variation, and risk drivers. *Atmospheric Environment*, **2008**, 42, 2083-2100	5.3	174
206	Indoor air quality in Michigan schools. *Indoor Air*, **2007**, 17, 109-21	5.4	161
205	A critical review of naphthalene sources and exposures relevant to indoor and outdoor air. *International Journal of Environmental Research and Public Health*, **2010**, 7, 2903-39	4.6	147
204	Optimizing Traffic Control to Reduce Fuel Consumption and Vehicular Emissions: Integrated Approach with VISSIM, CMEM, and VISGAOST. *Transportation Research Record*, **2009**, 2128, 105-113	1.7	127
203	Concentrations and emissions of polybrominated diphenyl ethers from U.S. houses and garages. *Environmental Science & Technology*, **2009**, 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. *Analytical Chemistry*, **1995**, 67, 1092-106	7.8	114
201	Vehicle emissions in congestion: Comparison of work zone, rush hour and free-flow conditions. *Atmospheric Environment*, **2011**, 45, 1929-1939	5.3	105
200	Migration of volatile organic compounds from attached garages to residences: a major exposure source. *Environmental Research*, **2007**, 104, 224-40	7.9	104
199	Statistical strategies for constructing health risk models with multiple pollutants and their interactions: possible choices and comparisons. *Environmental Health*, **2013**, 12, 85	6	95
198	VOCs in industrial, urban and suburban neighborhoodsPart 2: Factors affecting indoor and outdoor concentrations. *Atmospheric Environment*, **2008**, 42, 2101-2116	5.3	92
197	Levels and sources of volatile organic compounds in homes of children with asthma. *Indoor Air*, **2014**, 24, 403-15	5.4	90
196	Life-cycle energy and greenhouse gas analysis of three building types in a residential area in Lisbon. *Energy and Buildings*, **2014**, 69, 344-353	7	87
195	Trends of chlorinated organic contaminants in great lakes trout and walleye from 1970 to 1998. *Archives of Environmental Contamination and Toxicology*, **2006**, 50, 97-110	3.2	86
194	Brominated flame retardants in offices in Michigan, USA. *Environment International*, **2010**, 36, 548-56	12.9	85
193	Characterization of particulate emissions from occupant activities in offices. *Indoor Air*, **2001**, 11, 35-48	5.4	83
192	Performance evaluation of a sorbent tube sampling method using short path thermal desorption for volatile organic compounds. *Journal of Environmental Monitoring*, **2000**, 2, 313-24		75

191	Levels and composition of volatile organic compounds on commuting routes in Detroit, Michigan. *Atmospheric Environment*, **2002**, 36, 6015-6030	5.3	74
190	Particulate matter concentrations in residences: an intervention study evaluating stand-alone filters and air conditioners. *Indoor Air*, **2012**, 22, 235-52	5.4	73
189	Review and Extension of CO2-Based Methods to Determine Ventilation Rates with Application to School Classrooms. *International Journal of Environmental Research and Public Health*, **2017**, 14,	4.6	72
188	Association of Environmental Toxins With Amyotrophic Lateral Sclerosis. *JAMA Neurology*, **2016**, 73, 803-11	17.2	68
187	Residence location as a measure of environmental exposure: a review of air pollution epidemiology studies. *Journal of Exposure Science and Environmental Epidemiology*, **2000**, 10, 66-85	6.7	67
186	The Near-Road Exposures and Effects of Urban Air Pollutants Study (NEXUS): study design and methods. *Science of the Total Environment*, **2013**, 448, 38-47	10.2	64
185	Experimental and modeling study of visible light responsive photocatalytic oxidation (PCO) materials for toluene degradation. *Applied Catalysis B: Environmental*, **2017**, 216, 122-132	21.8	63
184	Distributions of personal VOC exposures: a population-based analysis. *Environment International*, **2008**, 34, 922-31	12.9	63
183	PCBs in air, soil and milk in industrialized and urban areas of KwaZulu-Natal, South Africa. *Environmental Pollution*, **2009**, 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. *Environmental Research*, **2011**, 111, 1137-47	7.9	60
181	Composition and emissions of VOCs in main- and side-stream smoke of research cigarettes. *Atmospheric Environment*, **2007**, 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. *Science of the Total Environment*, **2014**, 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. *Environment International*, **2012**, 44, 7-17	12.9	57
178	Indoor air quality and thermal comfort-results of a pilot study in elderly care centers in Portugal. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2013**, 76, 333-44	3.2	57
177	VOC and particulate emissions from commercial cigarettes: analysis of 2,5-DMF as an ETS tracer. *Environmental Science & Technology*, **2008**, 42, 1324-31	10.3	57
176	Analysis and stability of aldehydes and terpenes in electropolished canisters. *Atmospheric Environment*, **1998**, 32, 1647-1655	5.3	56
175	Sustainable control of water-related infectious diseases: a review and proposal for interdisciplinary health-based systems research. *Environmental Health Perspectives*, **2009**, 117, 1023-32	8.4	55
174	Concentrations and emissions of gasoline and other vapors from residential vehicle garages. *Atmospheric Environment*, **2006**, 40, 1828-1844	5.3	55

173	Spatiotemporal characteristics of PM and PM at urban and corresponding background sites in 23 cities in China. *Science of the Total Environment*, **2017**, 599-600, 2074-2084	10.2	54
172	Impacts of climate change on public health in India: future research directions. *Environmental Health Perspectives*, **2011**, 119, 765-70	8.4	54
171	Environmental Reporting by the Fortune 50 Firms. *Environmental Management*, **1997**, 21, 865-75	3.1	54
170	Sources, concentrations, and risks of naphthalene in indoor and outdoor air. *Indoor Air*, **2012**, 22, 266-78	5.4	53
169	Hydrocarbon vapor transport in low moisture soils. *Environmental Science & Technology*, **1995**, 29, 171-80	10.3	53
168	Partition coefficients for the trihalomethanes among blood, urine, water, milk and air. *Science of the Total Environment*, **2002**, 284, 237-47	10.2	52
167	Determinants of personal, indoor and outdoor VOC concentrations: an analysis of the RIOPA data. *Environmental Research*, **2013**, 126, 192-203	7.9	51
166	Trends of brominated diphenyl ethers in fresh and archived Great Lakes fish (1979-2005). *Chemosphere*, **2007**, 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. *Building and Environment*, **2011**, 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. *Environmental Health*, **2011**, 10, 34	6	45
163	Near-road air pollutant concentrations of CO and PM2.5: A comparison of MOBILE6.2/CALINE4 and generalized additive models. *Atmospheric Environment*, **2010**, 44, 1740-1748	5.3	45
162	Characteristics of PM Concentrations across Beijing during 2013-2015. *Atmospheric Environment*, **2016**, 145, 104-114	5.3	45
161	Environmental risk factors and amyotrophic lateral sclerosis (ALS): a case-control study of ALS in Michigan. *PLoS ONE*, **2014**, 9, e101186	3.7	44
160	Proximity of schools in Detroit, Michigan to automobile and truck traffic. *Journal of Exposure Science and Environmental Epidemiology*, **2006**, 16, 457-70	6.7	43
159	Variability of indoor and outdoor VOC measurements: an analysis using variance components. *Environmental Pollution*, **2012**, 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. *Journal of Exposure Science and Environmental Epidemiology*, **2014**, 24, 412-20	6.7	42
157	Long duration tests of room air filters in cigarette smokers' homes. *Environmental Science & Technology*, **2005**, 39, 7260-8	10.3	42
156	Ozone artifacts and carbonyl measurements using Tenax GR, Tenax TA, Carbopack B, and Carbopack X adsorbents. *Journal of the Air and Waste Management Association*, **2006**, 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. *International Journal of Environmental Research and Public Health*, **2012**, 9, 4639-61	4.6	41
154	VOC composition of current motor vehicle fuels and vapors, and collinearity analyses for receptor modeling. *Chemosphere*, **2012**, 86, 951-8	8.4	41
153	Factors affecting pollutant concentrations in the near-road environment. *Atmospheric Environment*, **2015**, 115, 223-235	5.3	40
152	Volatile Organic Compounds (VOCs) in Conventional and High Performance School Buildings in the U.S. *International Journal of Environmental Research and Public Health*, **2017**, 14,	4.6	40
151	Temporal variation of traffic on highways and the development of accurate temporal allocation factors for air pollution analyses. *Atmospheric Environment*, **2015**, 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. *Journal of Environmental Monitoring*, **2002**, 4, 361-70		39
149	Reduction of Ingestion Exposure to Trihalomethanes Due to Volatilization. *Environmental Science & Technology*, **2000**, 34, 4418-4424	10.3	39
148	Ventilation rates in recently constructed U.S. school classrooms. *Indoor Air*, **2017**, 27, 880-890	5.4	37
147	Concentrations and speciation of polybrominated diphenyl ethers in human amniotic fluid. *Science of the Total Environment*, **2012**, 417-418, 294-8	10.2	37
146	Spatial Resolution Requirements for Traffic-Related Air Pollutant Exposure Evaluations. *Atmospheric Environment*, **2014**, 94, 518-528	5.3	36
145	Simultaneous measurement of ventilation using tracer gas techniques and VOC concentrations in homes, garages and vehicles. *Journal of Environmental Monitoring*, **2006**, 8, 249-56		35
144	Air exchange rates and migration of VOCs in basements and residences. *Indoor Air*, **2015**, 25, 598-609	5.4	34
143	Polybrominated diphenyl ethers in human gestational membranes from women in southeast Michigan. *Environmental Science & Technology*, **2009**, 43, 3042-6	10.3	34
142	Quenching of chlorination disinfection by-product formation in drinking water by hydrogen peroxide. *Water Research*, **2000**, 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. *Journal of Environmental Monitoring*, **2006**, 8, 1029-42		33
140	Multimedia model for polycyclic aromatic hydrocarbons (PAHs) and nitro-PAHs in Lake Michigan. *Environmental Science & Technology*, **2014**, 48, 13817-25	10.3	32
139	A comparison of exposure metrics for traffic-related air pollutants: application to epidemiology studies in Detroit, Michigan. *International Journal of Environmental Research and Public Health*, **2014** , 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. *Environment International*, **2020**, 135, 105381	12.9	32

137	Air quality modeling in support of the Near-Road Exposures and Effects of Urban Air Pollutants Study (NEXUS). *International Journal of Environmental Research and Public Health*, **2014**, 11, 8777-93	4.6	31
136	Disease and Health Inequalities Attributable to Air Pollutant Exposure in Detroit, Michigan. *International Journal of Environmental Research and Public Health*, **2017**, 14,	4.6	31
135	Ambient pollution and respiratory outcomes among schoolchildren in Durban, South Africa. *SAJCH South African Journal of Child Health*, **2013**, 7, 127-134	0.8	31
134	Manganese and lead in children's blood and airborne particulate matter in Durban, South Africa. *Science of the Total Environment*, **2011**, 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. *Environmental Science & Technology*, **2015**, 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. *Energy & Fuels*, **2012**, 26, 6737-6748	4.1	30
131	Health impact metrics for air pollution management strategies. *Environment International*, **2015**, 85, 84-95	12.9	29
130	Concentrations and risks of organic and metal contaminants in Eurasian caviar. *Ecotoxicology and Environmental Safety*, **2008**, 71, 138-48	7	29
129	Trends in PM emissions, concentrations and apportionments in Detroit and Chicago. *Atmospheric Environment*, **2016**, 129, 197-209	5.3	28
128	Ethnicity, housing and personal factors as determinants of VOC exposures. *Atmospheric Environment*, **2009**, 43, 2884-2892	5.3	28
127	Breath, urine, and blood measurements as biological exposure indices of short-term inhalation exposure to methanol. *International Archives of Occupational and Environmental Health*, **1998**, 71, 325-35	3.2	28
126	Effects of fuels, engine load and exhaust after-treatment on diesel engine SVOC emissions and development of SVOC profiles for receptor modeling. *Atmospheric Environment*, **2015**, 102, 229-238	5.3	27
125	Formation of trihalomethanes in foods and beverages. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, **2009**, 26, 947-57	3.2	27
124	Time-resolved cutaneous absorption and permeation rates of methanol in human volunteers. *International Archives of Occupational and Environmental Health*, **1997**, 70, 341-51	3.2	27
123	Extended disjoint principal-components regression analysis of SAW vapor sensor-array responses. *Sensors and Actuators B: Chemical*, **1993**, 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. *Environmental Science & Technology*, **1996**, 30, 770-778	10.3	26
121	TVOC and CO2 Concentrations as Indicators in Indoor Air Quality Studies. *AIHA Journal*, **1995**, 56, 55-65		26
120	Air quality in the Industrial Heartland of Alberta, Canada and potential impacts on human health. *Atmospheric Environment*, **2013**, 81, 702-709	5.3	25

119	Diffusive uptake in passive and active adsorbent sampling using thermal desorption tubes. *Journal of Environmental Monitoring*, **2002**, 4, 870-8		25
118	High resolution spatial and temporal mapping of traffic-related air pollutants. *International Journal of Environmental Research and Public Health*, **2015**, 12, 3646-66	4.6	24
117	VOC sources and exposures in nail salons: a pilot study in Michigan, USA. *International Archives of Occupational and Environmental Health*, **2019**, 92, 141-153	3.2	24
116	Urinary metals and metal mixtures in midlife women: The Study of Womenʼs Health Across the Nation (SWAN). *International Journal of Hygiene and Environmental Health*, **2019**, 222, 778-789	6.9	23
115	Concentrations and risks of p-dichlorobenzene in indoor and outdoor air. *Indoor Air*, **2013**, 23, 40-9	5.4	23
114	PAHs, nitro-PAHs, hopanes, and steranes in lake trout from Lake Michigan. *Environmental Toxicology and Chemistry*, **2014**, 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. *American Journal of Industrial Medicine*, **2012**, 55, 1078-86	2.7	23
112	Sources and migration of volatile organic compounds in mixed-use buildings. *Indoor Air*, **2010**, 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. *Transportation Research Record*, **2014**, 2452, 105-112	1.7	22
110	High plasma concentrations of organic pollutants negatively impact survival in amyotrophic lateral sclerosis. *Journal of Neurology, Neurosurgery and Psychiatry*, **2019**, 90, 907-912	5.5	22
109	Acute respiratory symptoms associated with short term fluctuations in ambient pollutants among schoolchildren in Durban, South Africa. *Environmental Pollution*, **2018**, 233, 529-539	9.3	22
108	Prediction and analysis of near-road concentrations using a reduced-form emission/dispersion model. *Environmental Health*, **2010**, 9, 29	6	21
107	Effect of geocoding errors on traffic-related air pollutant exposure and concentration estimates. *Journal of Exposure Science and Environmental Epidemiology*, **2015**, 25, 490-8	6.7	20
106	Effect of Particulate Matter Exposure on Respiratory Health of e-Waste Workers at Agbogbloshie, Accra, Ghana. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	20
105	Extreme value analyses of VOC exposures and risks: A comparison of RIOPA and NHANES datasets. *Atmospheric Environment*, **2012**, 62, 97-106	5.3	20
104	Sorption of trihalomethanes in foods. *Environment International*, **2010**, 36, 754-62	12.9	20
103	Development and Application of Competencies for Graduate Programs in Energy and Sustainability. *Journal of Professional Issues in Engineering Education and Practice*, **2011**, 137, 198-207	0.7	20
102	The relationship between asthma and ambient air pollutants among primary school students in Durban, South Africa. *International Journal of Environment and Health*, **2008**, 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). *Environment International*, **2020**, 145, 106109	12.9	20
100	Significance of mobility in the life-cycle assessment of buildings. *Building Research and Information*, **2016**, 44, 376-393	4.3	20
99	Operational evaluation of the RLINE dispersion model for studies of traffic-related air pollutants. *Atmospheric Environment*, **2018**, 182, 213-224	5.3	19
98	Rapid determination of ETS markers with a prototype field-portable GC employing a microsensor array detector. *Journal of Environmental Monitoring*, **2007**, 9, 440-8		19
97	Design and evaluation of a long-term soil gas flux sampler. *Environmental Science & Technology* , **1992**, 26, 709-714	10.3	19
96	TVOC and CO2 Concentrations as Indicators in Indoor Air Quality Studies. *AIHA Journal*, **1995**, 56, 55-65		19
95	On-Road Chemical Transformation as an Important Mechanism of NO Formation. *Environmental Science & Technology*, **2018**, 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. *Annals of Work Exposures and Health*, **2019**, 63, 829-841	2.4	18
93	Composition and Integrity of PAHs, Nitro-PAHs, Hopanes and Steranes In Diesel Exhaust Particulate Matter. *Water, Air, and Soil Pollution*, **2013**, 224, 1	2.6	18
92	Trends of VOC exposures among a nationally representative sample: Analysis of the NHANES 1988 through 2004 data sets. *Atmospheric Environment*, **2011**, 45, 4858-4867	5.3	18
91	Performance and storage integrity of dried blood spots for PCB, BFR and pesticide measurements. *Science of the Total Environment*, **2014**, 494-495, 252-60	10.2	17
90	Air exchange rates from atmospheric CO daily cycle. *Energy and Buildings*, **2015**, 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. *Science of the Total Environment*, **2009**, 407, 5493-500	10.2	17
88	Prenatal exposures and DNA methylation in newborns: a pilot study in Durban, South Africa. *Environmental Sciences: Processes and Impacts*, **2016**, 18, 908-17	4.3	17
87	Associations of Perfluoroalkyl Substances with Incident Natural Menopause: The Study of Women's Health Across the Nation. *Journal of Clinical Endocrinology and Metabolism*, **2020**, 105,	5.6	16
86	Design and performance evaluation of a medium flow sampler for airborne brominated flame retardants (BFRs). *Journal of Environmental Monitoring*, **2009**, 11, 858-66		15
85	Continuous, intermittent and passive sampling of airborne VOCs. *Journal of Environmental Monitoring*, **2007**, 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. *Environmental Science & Technology*, **2018**, 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). *International Journal of Environmental Research and Public Health*, **2014**, 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. *Energy*, **2020**, 209, 118436	7.9	13
81	Use of Free-standing Filters in an Asthma Intervention Study. *Air Quality, Atmosphere and Health*, **2013**, 6, 759-767	5.6	12
80	Threshold quantity criteria for risk management programs: recommendations for toxic releases. *Journal of Hazardous Materials*, **2003**, 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. *Science of the Total Environment* , **2019**, 653, 1213-1222	10.2	12
78	Indoor environment quality in dental clinics: potential concerns from particulate matter. *American Journal of Dentistry*, **2003**, 16, 260-6	1.3	12
77	Hepatic polybrominated diphenyl ether (PBDE) levels in Wisconsin river otters () and Michigan bald eagles (). *Journal of Great Lakes Research*, **2015**, 41, 222-227	3	11
76	Air Quality Impacts at an E-Waste Site in Ghana Using Flexible, Moderate-Cost and Quality-Assured Measurements. *GeoHealth*, **2020**, 4, e2020GH000247	5	11
75	Occupational exposure and health risks of volatile organic compounds of hotel housekeepers: Field measurements of exposure and health risks. *Indoor Air*, **2021**, 31, 26-39	5.4	11
74	Modeling and analysis of personal exposures to VOC mixtures using copulas. *Environment International*, **2014**, 63, 236-45	12.9	10
73	Reproducibility and imputation of air toxics data. *Journal of Environmental Monitoring*, **2007**, 9, 1358-72		10
72	Non-methane hydrocarbon emissions from vehicle fuel caps. *Atmospheric Environment*, **2005**, 39, 1855-1867	3.5	10
71	Personal exposure to mixtures of volatile organic compounds: modeling and further analysis of the RIOPA data. *Research Report (health Effects Institute)*, **2014**, 3-63	0.9	10
70	Measurement and Comparison of Organic Compound Concentrations in Plasma, Whole Blood, and Dried Blood Spot Samples. *Frontiers in Genetics*, **2016**, 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). *Environment International*, **2016**, 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. *Transportation Research, Part D: Transport and Environment* , **2015**, 41, 401-415	6.4	9
67	Selection and evaluation of air pollution exposure indicators based on geographic areas. *Science of the Total Environment*, **2000**, 253, 127-44	10.2	9
66	Breath Monitoring of Inhalation and Dermal Methanol Exposure. *Journal of Occupational and Environmental Hygiene*, **1995**, 10, 833-839		9

65	Effect modifiers of lung function and daily air pollutant variability in a panel of schoolchildren. *Thorax*, **2019**, 74, 1055-1062	7.3	9
64	Interaction between ambient pollutant exposure, CD14 (-159) polymorphism and respiratory outcomes among children in Kwazulu-Natal, Durban. *Human and Experimental Toxicology*, **2017**, 36, 238-246	3.4	8
63	Air pollutant strategies to reduce adverse health impacts and health inequalities: a quantitative assessment for Detroit, Michigan. *Air Quality, Atmosphere and Health*, **2018**, 11, 409-422	5.6	8
62	Ozone removal by diesel particulate matter. *Atmospheric Environment*, **2005**, 39, 3343-3354	5.3	8
61	A probabilistic model for silver bioaccumulation in aquatic systems and assessment of human health risks. *Environmental Toxicology and Chemistry*, **2001**, 20, 432-441	3.8	8
60	Urban-scale variation in pollen concentrations: A single station is insufficient to characterize daily exposure. *Aerobiologia*, **2020**, 36, 417-431	2.4	8
59	Exposure to Volatile Organic Compounds and Use of Feminine Hygiene Products Among Reproductive-Aged Women in the United States. *Journal of Womens Health*, **2020**, 29, 65-73	3	8
58	Allergenic pollen production across a large city for common ragweed (). *Landscape and Urban Planning*, **2019**, 190,	7.7	7
57	Optimal estimators for ambient air quality levels. *Atmospheric Environment Part A General Topics*, **1992**, 26, 113-123		7
56	Volatile organic compounds in feminine hygiene products sold in the US market: A survey of products and health risks. *Environment International*, **2020**, 144, 105740	12.9	7
55	Addressing extrema and censoring in pollutant and exposure data using mixture of normal distributions. *Atmospheric Environment*, **2013**, 77, 464-464	5.3	6
54	Characterization of allergens and airborne fungi in low and middle-income homes of primary school children in Durban, South Africa. *American Journal of Industrial Medicine*, **2012**, 55, 1110-21	2.7	6
53	Permeation of gasoline, diesel, bioethanol (E85), and biodiesel (B20) fuels through six glove materials. *Journal of Occupational and Environmental Hygiene*, **2010**, 7, 417-28	2.9	6
52	Evaluation of Methanol and Formate in Urine as Biological Exposure Indices of Methanol Exposure. *Journal of Occupational and Environmental Hygiene*, **1997**, 12, 367-374		6
51	Autocorrelation and variability of indoor air quality measurements. *AIHAJ: A Journal for the Science of Occupational and Environmental Health and Safety*, **2000**, 61, 658-68		6
50	Estimation and evaluation of exposures from a large sulfur fire in South Africa. *Environmental Research*, **1999**, 81, 316-33	7.9	6
49	Spatiotemporal variations in traffic activity and their influence on air pollution levels in communities near highways. *Atmospheric Environment*, **2020**, 242, 117758	5.3	6
48	Micronutrient-rich dietary intake is associated with a reduction in the effects of particulate matter on blood pressure among electronic waste recyclers at Agbogbloshie, Ghana. *BMC Public Health*, **2020**, 20, 1067	4.1	6

47	Influence of viral infection on the relationships between airway cytokines and lung function in asthmatic children. *Respiratory Research*, **2018**, 19, 228	7.3	6
46	Time series analysis of total and direct associations between high temperatures and preterm births in Detroit, Michigan. *BMJ Open*, **2020**, 10, e032476	3	5
45	SO2 sorption characteristics of air sampling filter media using a new laboratory test. *Atmospheric Environment*, **1997**, 31, 1041-1047	5.3	5
44	The Near-Road Ambient Monitoring Network and Exposure Estimates for Health Studies. *Em: Air and Waste Management Associations Magazine for Environmental Managers*, **2013**, 2013, 24-30		5
43	Nonstationary spatiotemporal Bayesian data fusion for pollutants in the near-road environment. *Environmetrics*, **2019**, 30, e2581	1.3	4
42	Sensitivity analysis of the near-road dispersion model RLINE - an evaluation at Detroit, Michigan. *Atmospheric Environment*, **2018**, 181, 135-144	5.3	4
41	Evaluation of Changes in Lead Levels in Drinking Water Due to Replacement of Water Mains: A Comprehensive Study in Chicago, Illinois. *Environmental Science & Technology*, **2019**, 53, 8833-8844	10.3	4
40	Copulas and Other Multivariate Models of Personal Exposures to VOC Mixtures. *Human and Ecological Risk Assessment (HERA)*, **2010**, 16, 873-900	4.9	4
39	Optimized acid rain abatement strategies using ecological goals. *Environmental Management*, **1992**, 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. *Asian Pacific Journal of Allergy and Immunology*, **2016**, 34, 217-222	5.4	4
37	Improved Classification of Urban Trees Using a Widespread Multi-Temporal Aerial Image Dataset. *Remote Sensing*, **2020**, 12, 2475	5	4
36	Non-stationary spatio-temporal modeling of traffic-related pollutants in near-road environments. *Spatial and Spatio-temporal Epidemiology*, **2016**, 18, 24-37	3.5	4
35	Impact of community respiratory viral infections in urban children with asthma. *Annals of Allergy, Asthma and Immunology*, **2019**, 122, 175-183.e2	3.2	4
34	Environmental impacts of commuting modes in Lisbon: a life-cycle assessment addressing particulate matter impacts on health. *International Journal of Sustainable Transportation*, **2019**, 13, 652-663	3.6	4
33	Development of a mobile platform for monitoring gaseous, particulate, and greenhouse gas (GHG) pollutants. *Environmental Monitoring and Assessment*, **2020**, 193, 7	3.1	4
32	Pollen production for 13 urban North American tree species: Allometric equations for tree trunk diameter and crown area. *Aerobiologia*, **2020**, 36, 401-415	2.4	3
31	Distributions of PCB Congeners and Homologues in White Sucker and Coho Salmon from Lake Michigan. *Environmental Science & Technology*, **2018**, 52, 4393-4401	10.3	3
30	Applicability of the environmental relative moldiness index for quantification of residential mold contamination in an air pollution health effects study. *Journal of Environmental and Public Health*, **2014**, 2014, 261357	2.6	3

29	Characterization of Emission Sources in Buildings and HVAC Systems: Quantification and Uncertainty. *AIHA Journal*, **1995**, 56, 1083-1089		3
28	Blood and Urine Bioindicators for Methanol Exposure: Effect of Chilled and Frozen Sample Storage. *Journal of Occupational and Environmental Hygiene*, **1996**, 11, 25-29		3
27	Bayesian analysis of time-series data under case-crossover designs: posterior equivalence and inference. *Biometrics*, **2013**, 69, 925-36	1.8	2
26	An Extreme Value Analysis of Pollutant Concentrations in Surface Soils Due to Atmospheric Deposition. *Human and Ecological Risk Assessment (HERA)*, **2003**, 9, 1729-1746	4.9	2
25	Effect of Precipitation Variability on Pollutant Concentrations in Soil: Implications for Exposure and Risk Assessments. *Human and Ecological Risk Assessment (HERA)*, **2000**, 6, 809-825	4.9	2
24	A Dominant Source of VOC Exposure: Attached Garages. *Epidemiology*, **2006**, 17, S350	3.1	2
23	Demolition Activity and Elevated Blood Lead Levels among Children in Detroit, Michigan, 2014-2018. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	2
22	Global DNA (LINE-1) methylation is associated with lead exposure and certain job tasks performed by electronic waste workers. *International Archives of Occupational and Environmental Health*, **2021**, 94, 1931-1944	3.2	2
21	Measurement of Infiltration Rates from the Daily Cycle of Ambient CO2. *International Journal of Ventilation*, **2016**, 14, 409-420	1.1	2
20	Health risk assessment of exposure to organochlorine pesticides in the general population in Seoul, Korea over 12 years: A cross-sectional epidemiological study. *Journal of Hazardous Materials*, **2022**, 424, 127381	12.8	2
19	Use of Medicaid and housing data may help target areas of high asthma prevalence. *Journal of Asthma*, **2017**, 54, 230-238	1.9	1
18	Intake fraction estimates for on-road fine particulate matter (PM2.5) emissions: Exploring spatial variation of emissions and population distribution in Lisbon, Portugal. *Atmospheric Environment*, **2018**, 190, 284-293	5.3	1
17	Point source modeling of matched case-control data with multiple disease subtypes. *Statistics in Medicine*, **2012**, 31, 3617-37	2.3	1
16	Evaluation of the use of low flow passive sampling technique in offset printing plants. *International Journal of Occupational Medicine and Environmental Health*, **2006**, 19, 228-34	1.5	1
15	Life-Cycle Assessment and Environmental Engineering. *Journal of Environmental Engineering, ASCE*, **2004**, 130, 1229-1230	2	1
14	Probability and Persistence of High Pollutant Concentrations in Soils: A Modeling Study and Implications for Exposure and Risk Assessment. *Human and Ecological Risk Assessment (HERA)*, **2003** , 9, 1713-1728	4.9	1
13	Evaluating the environmental performance of passenger vehicles. *International Journal of Life Cycle Assessment*, **2001**, 6, 251-253	4.6	1
12	Occupational exposures to particulate matter and PM-associated polycyclic aromatic hydrocarbons at the Agbogbloshie waste recycling site in Ghana.. *Environment International*, **2022**, 158, 106971	12.9	1

11	Personal exposure to particulate matter and heart rate variability among informal electronic waste workers at Agbogbloshie: a longitudinal study. *BMC Public Health*, **2021**, 21, 2161	4.1	1
10	Absence of PCB Hot Spot Effect in Walleye Sander vitreus from Lower Green Bay of Lake Michigan. *Archives of Environmental Contamination and Toxicology*, **2019**, 76, 442-452	3.2	1
9	Airborne volatile organic compounds at an e-waste site in Ghana: Source apportionment, exposure and health risks. *Journal of Hazardous Materials*, **2021**, 419, 126353	12.8	1
8	Variable selection with multiply-imputed datasets: choosing between stacked and grouped methods. *Journal of Computational and Graphical Statistics*,1-35	1.4	0
7	Be alert for vapor intrusion of 1,4-dioxane from contaminated groundwater.. *Science of the Total Environment*, **2022**, 153713	10.2	0
6	A community noise survey in Southwest Detroit and the value of supplemental metrics for truck noise. *Environmental Research*, **2021**, 197, 111064	7.9	0
5	Opportunities and challenges in reducing personal inhalation exposure to air pollution among electronic waste recovery workers in Ghana. *American Journal of Industrial Medicine*, **2021**, 64, 381-397	2.7	0
4	Association between global DNA methylation (LINE-1) and occupational particulate matter exposure among informal electronic-waste recyclers in Ghana. *International Journal of Environmental Health Research*, **2021**, 1-19	3.6	0
3	Enhancing Models and Measurements of Traffic-Related Air Pollutants for Health Studies Using Dispersion Modeling and Bayesian Data Fusion. *Research Report (health Effects Institute)*, **2020**, 1-63	0.9	0
2	Incorrect Data Used in Statistical Analyses. *JAMA Neurology*, **2017**, 74, 611-612	17.2	
1	Airborne emissions at skin surfaces: a potential biological exposure index. *International Archives of Occupational and Environmental Health*, **1996**, 68, 268-274	3.2	