Stuart A Batterman

List of Publications by Year
in descending order

215 papers	8,326 citations	36303 51 h-index	66911 78 g-index
218 all docs	218 docs citations	218 times ranked	9482 citing authors

#	Article	IF	Citations
1	Air pollution and health risks due to vehicle traffic. Science of the Total Environment, 2013, 450-451, 307-316.	8.0	457
2	A Critical Review of Naphthalene Sources and Exposures Relevant to Indoor and Outdoor Air. International Journal of Environmental Research and Public Health, 2010, 7, 2903-2939.	2.6	216
3	VOCs in industrial, urban and suburban neighborhoods, Part 1: Indoor and outdoor concentrations, variation, and risk drivers. Atmospheric Environment, 2008, 42, 2083-2100.	4.1	197
4	Indoor air quality in Michigan schools. Indoor Air, 2007, 17, 109-121.	4.3	192
5	Optimizing Traffic Control to Reduce Fuel Consumption and Vehicular Emissions. Transportation Research Record, 2009, 2128, 105-113.	1.9	156
6	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.	3.9	147
7	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, 145.	2.6	147
8	Optimal Coating Selection for the Analysis of Organic Vapor Mixtures with Polymer-Coated Surface Acoustic Wave Sensor Arrays. Analytical Chemistry, 1995, 67, 1092-1106.	6.5	139
9	Concentrations and Emissions of Polybrominated Diphenyl Ethers from U.S. Houses and Garages. Environmental Science & Technology, 2009, 43, 2693-2700.	10.0	136
10	Vehicle emissions in congestion: Comparison of work zone, rush hour and free-flow conditions. Atmospheric Environment, 2011, 45, 1929-1939.	4.1	136
11	Levels and sources of volatile organic compounds in homes of children with asthma. Indoor Air, 2014, 24, 403-415.	4.3	125
12	Migration of volatile organic compounds from attached garages to residences: A major exposure source. Environmental Research, 2007, 104, 224-240.	7.5	117
13	Association of Environmental Toxins With Amyotrophic Lateral Sclerosis. JAMA Neurology, 2016, 73, 803.	9.0	117
14	Statistical strategies for constructing health risk models with multiple pollutants and their interactions: possible choices and comparisons. Environmental Health, 2013, 12, 85.	4.0	116
15	Life-cycle energy and greenhouse gas analysis of three building types in a residential area in Lisbon. Energy and Buildings, 2014, 69, 344-353.	6.7	108
16	VOCs in industrial, urban and suburban neighborhoodsâ€"Part 2: Factors affecting indoor and outdoor concentrations. Atmospheric Environment, 2008, 42, 2101-2116.	4.1	107
17	Characterization of Particulate Emissions from Occupant Activities in Offices. Indoor Air, 2001, 11, 35-48.	4.3	98
18	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.	4.1	98

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19	Brominated flame retardants in offices in Michigan, U.S.A.. Environment International, 2010, 36, 548-556.	10.0	94
20	Particulate matter concentrations in residences: an intervention study evaluating stand-alone filters and air conditioners. Indoor Air, 2012, 22, 235-252.	4.3	88
21	Performance evaluation of a sorbent tube sampling method using short path thermal desorption for volatile organic compounds. Journal of Environmental Monitoring, 2000, 2, 313-324.	2.1	86
22	Levels and composition of volatile organic compounds on commuting routes in Detroit, Michigan. Atmospheric Environment, 2002, 36, 6015-6030.	4.1	85
23	PCBs in air, soil and milk in industrialized and urban areas of KwaZulu-Natal, South Africa. Environmental Pollution, 2009, 157, 654-663.	7.5	77
24	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, 173-186.	8.0	76
25	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, 333-344.	2.3	74
26	Sustainable Control of Water-Related Infectious Diseases: A Review and Proposal for Interdisciplinary Health-Based Systems Research. Environmental Health Perspectives, 2009, 117, 1023-1032.	6.0	73
27	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.	8.0	73
28	Distributions of personal VOC exposures: A population-based analysis. Environment International, 2008, 34, 922-931.	10.0	72
29	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, 1137-1147.	7.5	71
30	Sources, concentrations, and risks of naphthalene in indoor and outdoor air. Indoor Air, 2012, 22, 266-278.	4.3	70
31	Experimental and modeling study of visible light responsive photocatalytic oxidation (PCO) materials for toluene degradation. Applied Catalysis B: Environmental, 2017, 216, 122-132.	20.2	70
32	Spatiotemporal characteristics of PM2.5 and PM10 at urban and corresponding background sites in 23 cities in China. Science of the Total Environment, 2017, 599-600, 2074-2084.	8.0	70
33	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.	10.0	68
34	VOC and Particulate Emissions from Commercial Cigarettes: Analysis of 2,5-DMF as an ETS Tracer. Environmental Science & Technology, 2008, 42, 1324-1331.	10.0	66
35	Impacts of Climate Change on Public Health in India: Future Research Directions. Environmental Health Perspectives, 2011, 119, 765-770.	6.0	66
36	Environmental Risk Factors and Amyotrophic Lateral Sclerosis (ALS): A Case-Control Study of ALS in Michigan. PLoS ONE, 2014, 9, e101186.	2.5	66

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37	Determinants of personal, indoor and outdoor VOC concentrations: An analysis of the RIOPA data. Environmental Research, 2013, 126, 192-203.	7.5	65
38	Analysis and stability of aldehydes and terpenes in electropolished canisters. Atmospheric Environment, 1998, 32, 1647-1655.	4.1	64
39	Partition coefficients for the trihalomethanes among blood, urine, water, milk and air. Science of the Total Environment, 2002, 284, 237-247.	8.0	63
40	Composition and emissions of VOCs in main- and side-stream smoke of research cigarettes. Atmospheric Environment, 2007, 41, 5371-5384.	4.1	63
41	Environmental Reporting by the Fortune 50 Firms. Environmental Management, 1997, 21, 865-875.	2.7	61
42	Concentrations and emissions of gasoline and other vapors from residential vehicle garages. Atmospheric Environment, 2006, 40, 1828-1844.	4.1	61
43	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, 100.	2.6	61
44	Hydrocarbon Vapor Transport in Low Moisture Soils. Environmental Science & Technology, 1995, 29, 171-180.	10.0	60
45	VOC composition of current motor vehicle fuels and vapors, and collinearity analyses for receptor modeling. Chemosphere, 2012, 86, 951-958.	8.2	60
46	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.	6.9	58
47	Factors affecting pollutant concentrations in the near-road environment. Atmospheric Environment, 2015, 115, 223-235.	4.1	57
48	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, 1503-1517.	1.9	56
49	Long Duration Tests of Room Air Filters in Cigarette Smokers' Homes. Environmental Science & Technology, 2005, 39, 7260-7268.	10.0	55
50	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.	4.1	53
51	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, 4639-4661.	2.6	53
52	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.	10.0	53
53	Reduction of Ingestion Exposure to Trihalomethanes Due to Volatilization. Environmental Science & Technology, 2000, 34, 4418-4424.	10.0	52
54	Ventilation rates in recently constructed U.S. school classrooms. Indoor Air, 2017, 27, 880-890.	4.3	52

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55	Trends of brominated diphenyl ethers in fresh and archived Great Lakes fish (1979â€"2005). Chemosphere, 2007, 69, 444-457.	8.2	51
56	Characteristics of PM2.5 concentrations across Beijing during 2013â€"2015. Atmospheric Environment, 2016, 145, 104-114.	4.1	51
57	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, 361-370.	2.1	50
58	GPS-based microenvironment tracker (MicroTrac) model to estimate timeâ€"location of individuals for air pollution exposure assessments: Model evaluation in central North Carolina. Journal of Exposure Science and Environmental Epidemiology, 2014, 24, 412-420.	3.9	49
59	Multimedia Model for Polycyclic Aromatic Hydrocarbons (PAHs) and Nitro-PAHs in Lake Michigan. Environmental Science & Technology, 2014, 48, 13817-13825.	10.0	49
60	Proximity of schools in Detroit, Michigan to automobile and truck traffic. Journal of Exposure Science and Environmental Epidemiology, 2006, 16, 457-470.	3.9	48
61	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.	4.0	48
62	Variability of indoor and outdoor VOC measurements: An analysis using variance components. Environmental Pollution, 2012, 169, 152-159.	7.5	46
63	Temporal variation of traffic on highways and the development of accurate temporal allocation factors for air pollution analyses. Atmospheric Environment, 2015, 107, 351-363.	4.1	46
64	VOC sources and exposures in nail salons: a pilot study in Michigan, USA. International Archives of Occupational and Environmental Health, 2019, 92, 141-153.	2.3	45
65	Ambient pollution and respiratory outcomes among schoolchildren in Durban, South Africa. SAJCH South African Journal of Child Health, 2013, 7, 127.	0.2	44
66	Urinary metal mixtures and longitudinal changes in glucose homeostasis: The Study of Womenâ€™s Health Across the Nation (SWAN). Environment International, 2020, 145, 106109.	10.0	43
67	Spatial resolution requirements for traffic-related air pollutant exposure evaluations. Atmospheric Environment, 2014, 94, 518-528.	4.1	42
68	Disease and Health Inequalities Attributable to Air Pollutant Exposure in Detroit, Michigan. International Journal of Environmental Research and Public Health, 2017, 14, 1243.	2.6	42
69	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, 3042.	2.6	42
70	Quenching of chlorination disinfection by-product formation in drinking water by hydrogen peroxide. Water Research, 2000, 34, 1652-1658.	11.3	41
71	Simultaneous measurement of ventilation using tracer gas techniques and VOC concentrations in homes, garages and vehicles. Journal of Environmental Monitoring, 2006, 8, 249.	2.1	41
72	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.	2.1	40

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73	Health impact metrics for air pollution management strategies. Environment International, 2015, 85, 84-95.	10.0	40
74	Concentrations and speciation of polybrominated diphenyl ethers in human amniotic fluid. Science of the Total Environment, 2012, 417-418, 294-298.	8.0	39
75	High plasma concentrations of organic pollutants negatively impact survival in amyotrophic lateral sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2019, 90, 907-912.	1.9	39
76	Polybrominated Diphenyl Ethers in Human Gestational Membranes from Women in Southeast Michigan. Environmental Science & Technology, 2009, 43, 3042-3046.	10.0	38
77	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, 9553-9577.	2.6	38
78	Air exchange rates and migration of VOCs in basements and residences. Indoor Air, 2015, 25, 598-609.	4.3	38
79	Manganese and lead in children's blood and airborne particulate matter in Durban, South Africa. Science of the Total Environment, 2011, 409, 1058-1068.	8.0	37
80	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.	5.1	37
81	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, 228-238.	4.1	37
82	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, 8777-8793.	2.6	36
83	Concentrations and risks of organic and metal contaminants in Eurasian caviar. Ecotoxicology and Environmental Safety, 2008, 71, 138-148.	6.0	35
84	Trends in PM2.5 emissions, concentrations and apportionments in Detroit and Chicago. Atmospheric Environment, 2016, 129, 197-209.	4.1	35
85	Urinary metals and metal mixtures in midlife women: The Study of Women's Health Across the Nation (SWAN). International Journal of Hygiene and Environmental Health, 2019, 222, 778-789.	4.3	35
86	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.	8.8	35
87	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, 325-335.	2.3	34
88	Air Pollution Exposure Model for Individuals (EMI) in Health Studies: Evaluation for Ambient PM$_{2.5}$ in Central North Carolina. Environmental Science & Technology, 2015, 49, 14184-14194.	10.0	34
89	Acute respiratory symptoms associated with short term fluctuations in ambient pollutants among schoolchildren in Durban, South Africa. Environmental Pollution, 2018, 233, 529-539.	7.5	34
90	Extended disjoint principal-components regression analysis of SAW vapor sensor-array responses. Sensors and Actuators B: Chemical, 1993, 12, 123-133.	7.8	33

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91	Time-resolved cutaneous absorption and permeation rates of methanol in human volunteers. International Archives of Occupational and Environmental Health, 1997, 70, 341-351.	2.3	33
92	TVOC and CO2 Concentrations as Indicators in Indoor Air Quality Studies. AIHA Journal, 1995, 56, 55-65.	0.4	32
93	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.	10.0	32
94	Ethnicity, housing and personal factors as determinants of VOC exposures. Atmospheric Environment, 2009, 43, 2884-2892.	4.1	32
95	Formation of trihalomethanes in foods and beverages. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2009, 26, 947-957.	2.3	32
96	Air quality in the Industrial Heartland of Alberta, Canada and potential impacts on human health. Atmospheric Environment, 2013, 81, 702-709.	4.1	32
97	High Resolution Spatial and Temporal Mapping of Traffic-Related Air Pollutants. International Journal of Environmental Research and Public Health, 2015, 12, 3646-3666.	2.6	31
98	Sources and migration of volatile organic compounds in mixed-use buildings. Indoor Air, 2010, 20, 357-369.	4.3	29
99	Prediction and analysis of near-road concentrations using a reduced-form emission/dispersion model. Environmental Health, 2010, 9, 29.	4.0	29
100	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.	0.3	28
101	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.	0.9	28
102	PAHs, nitroâ€PAHs, hopanes, and steranes in lake trout from Lake Michigan. Environmental Toxicology and Chemistry, 2014, 33, 1792-1801.	4.3	28
103	Dispersion Modeling of Traffic-Related Air Pollutant Exposures and Health Effects among Children with Asthma in Detroit, Michigan. Transportation Research Record, 2014, 2452, 105-113.	1.9	28
104	Diffusive uptake in passive and active adsorbent sampling using thermal desorption tubes. Journal of Environmental Monitoring, 2002, 4, 870-878.	2.1	27
105	Extreme value analyses of VOC exposures and risks: A comparison of RIOPA and NHANES datasets. Atmospheric Environment, 2012, 62, 97-106.	4.1	27
106	*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, 1078-1086.	2.1	27
107	Concentrations and risks of *p*-dichlorobenzene in indoor and outdoor air. Indoor Air, 2013, 23, 40-49.	4.3	27
108	Significance of mobility in the life-cycle assessment of buildings. Building Research and Information, 2016, 44, 376-393.	3.9	26

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109	Volatile organic compounds in feminine hygiene products sold in the US market: A survey of products and health risks. Environment International, 2020, 144, 105740.	10.0	26
110	Trends of VOC exposures among a nationally representative sample: Analysis of the NHANES 1988 through 2004 data sets. Atmospheric Environment, 2011, 45, 4858-4867.	4.1	25
111	Operational evaluation of the RLINE dispersion model for studies of traffic-related air pollutants. Atmospheric Environment, 2018, 182, 213-224.	4.1	25
112	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.	8.0	25
113	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, e3169-e3182.	3.6	25
114	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.	4.3	25
115	Sorption of trihalomethanes in foods. Environment International, 2010, 36, 754-762.	10.0	24
116	Composition and Integrity of PAHs, Nitro-PAHs, Hopanes, and Steranes in Diesel Exhaust Particulate Matter. Water, Air, and Soil Pollution, 2013, 224, 1.	2.4	24
117	Effect of geocoding errors on traffic-related air pollutant exposure and concentration estimates. Journal of Exposure Science and Environmental Epidemiology, 2015, 25, 490-498.	3.9	24
118	On-Road Chemical Transformation as an Important Mechanism of NO_2 Formation. Environmental Science & Technology, 2018, 52, 4574-4582.	10.0	24
119	Effectiveness of Using Enhanced Filters in Schools and Homes to Reduce Indoor Exposures to $PM_{2.5}$ from Outdoor Sources and Subsequent Health Benefits for Children with Asthma. Environmental Science & Technology, 2018, 52, 10767-10776.	10.0	24
120	Performance and storage integrity of dried blood spots for PCB, BFR and pesticide measurements. Science of the Total Environment, 2014, 494-495, 252-260.	8.0	23
121	Air exchange rates from atmospheric CO2 daily cycle. Energy and Buildings, 2015, 92, 188-194.	6.7	23
122	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.	1.4	23
123	Design and evaluation of a long-term soil gas flux sampler. Environmental Science & Technology, 1992, 26, 709-714.	10.0	21
124	Prenatal exposures and DNA methylation in newborns: a pilot study in Durban, South Africa. Environmental Sciences: Processes and Impacts, 2016, 18, 908-917.	3.5	21
125	Rapid determination of ETS markers with a prototype field-portable GC employing a microsensor array detector. Journal of Environmental Monitoring, 2007, 9, 440.	2.1	20
126	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, 5493-5500.	8.0	20

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127	TVOC and CO2 Concentrations as Indicators in Indoor Air Quality Studies. AIHA Journal, 1995, 56, 55-65.	0.4	20
128	Continuous, intermittent and passive sampling of airborne VOCs. Journal of Environmental Monitoring, 2007, 9, 1220.	2.1	18
129	Exposure to Volatile Organic Compounds and Use of Feminine Hygiene Products Among Reproductive-Aged Women in the United States. Journal of Women's Health, 2020, 29, 65-73.	3.3	18
130	Breath Monitoring of Inhalation and Dermal Methanol Exposure. Journal of Occupational and Environmental Hygiene, 1995, 10, 833-839.	0.4	17
131	Air Quality Impacts at an Eâ€Waste Site in Ghana Using Flexible, Moderateâ€Cost and Qualityâ€Assured Measurements. GeoHealth, 2020, 4, e2020GH000247.	4.0	17
132	Threshold quantity criteria for risk management programs: recommendations for toxic releases. Journal of Hazardous Materials, 2003, 105, 39-60.	12.4	16
133	Indoor environment quality in dental clinics: potential concerns from particulate matter. American Journal of Dentistry, 2003, 16, 260-6.	0.1	16
134	Design and performance evaluation of a medium flow sampler for airborne brominated flame retardants (BFRs). Journal of Environmental Monitoring, 2009, 11, 858.	2.1	15
135	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, 11481-11504.	2.6	15
136	Spatiotemporal variations in traffic activity and their influence on air pollution levels in communities near highways. Atmospheric Environment, 2020, 242, 117758.	4.1	15
137	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.	12.4	15
138	Associations of self-reported occupational exposures and settings to ALS: a caseâ€"control study. International Archives of Occupational and Environmental Health, 2022, 95, 1567-1586.	2.3	15
139	Use of free-standing filters in an asthma intervention study. Air Quality, Atmosphere and Health, 2013, 6, 759-767.	3.3	14
140	Modeling and analysis of personal exposures to VOC mixtures using copulas. Environment International, 2014, 63, 236-245.	10.0	14
141	Urban-scale variation in pollen concentrations: a single station is insufficient to characterize daily exposure. Aerobiologia, 2020, 36, 417-431.	1.7	14
142	Time series analysis of total and direct associations between high temperatures and preterm births in Detroit, Michigan. BMJ Open, 2020, 10, e032476.	1.9	14
143	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.	3.3	13
144	Pollen production for 13 urban North American tree species: allometric equations for tree trunk diameter and crown area. Aerobiologia, 2020, 36, 401-415.	1.7	13

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145	Personal exposure to mixtures of volatile organic compounds: modeling and further analysis of the RIOPA data. Research Report (health Effects Institute), 2014, , 3-63.	1.6	13
146	Selection and evaluation of air pollution exposure indicators based on geographic areas. Science of the Total Environment, 2000, 253, 127-144.	8.0	12
147	Non-methane hydrocarbon emissions from vehicle fuel caps. Atmospheric Environment, 2005, 39, 1855-1867.	4.1	12
148	Hepatic polybrominated diphenyl ether (PBDE) levels in Wisconsin river otters (Lontra canadensis) and Michigan bald eagles (Haliaeetus leucocephalus). Journal of Great Lakes Research, 2015, 41, 222-227.	1.9	12
149	Airborne volatile organic compounds at an e-waste site in Ghana: Source apportionment, exposure and health risks. Journal of Hazardous Materials, 2021, 419, 126353.	12.4	12
150	Variable Selection with Multiply-Imputed Datasets: Choosing Between Stacked and Grouped Methods. Journal of Computational and Graphical Statistics, 2022, 31, 1063-1075.	1.7	12
151	Reproducibility and imputation of air toxics data. Journal of Environmental Monitoring, 2007, 9, 1358.	2.1	11
152	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.	6.8	11
153	Measurement and Comparison of Organic Compound Concentrations in Plasma, Whole Blood, and Dried Blood Spot Samples. Frontiers in Genetics, 2016, 7, 64.	2.3	11
154	Allergenic pollen production across a large city for common ragweed (Ambrosia artemisiifolia). Landscape and Urban Planning, 2019, 190, 103615.	7.5	11
155	Effect modifiers of lung function and daily air pollutant variability in a panel of schoolchildren. Thorax, 2019, 74, 1055-1062.	5.6	11
156	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.	2.9	11
157	Development of a mobile platform for monitoring gaseous, particulate, and greenhouse gas (GHG) pollutants. Environmental Monitoring and Assessment, 2021, 193, 7.	2.7	11
158	Occupational exposures to particulate matter and PM2.5-associated polycyclic aromatic hydrocarbons at the Agbogbloshie waste recycling site in Ghana. Environment International, 2022, 158, 106971.	10.0	11
159	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.	10.0	10
160	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.	10.0	10
161	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.	2.3	10
162	Autocorrelation and Variability of Indoor Air Quality Measurements. AIHAJ: A Journal for the Science of Occupational and Environmental Health and Safety, 2000, 61, 658-668.	0.4	9

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163	A probabilistic model for silver bioaccumulation in aquatic systems and assessment of human health risks. Environmental Toxicology and Chemistry, 2001, 20, 432-441.	4.3	9
164	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.	2.2	9
165	Sensitivity analysis of the near-road dispersion model RLINE - An evaluation at Detroit, Michigan. Atmospheric Environment, 2018, 181, 135-144.	4.1	9
166	Influence of viral infection on the relationships between airway cytokines and lung function in asthmatic children. Respiratory Research, 2018, 19, 228.	3.6	9
167	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.	4.1	9
168	Improved Classification of Urban Trees Using a Widespread Multi-Temporal Aerial Image Dataset. Remote Sensing, 2020, 12, 2475.	4.0	9
169	Evaluation of Methanol and Formate in Urine as Biological Exposure Indices of Methanol Exposure. Journal of Occupational and Environmental Hygiene, 1997, 12, 367-374.	0.4	8
170	Ozone removal by diesel particulate matter. Atmospheric Environment, 2005, 39, 3343-3354.	4.1	8
171	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, 1110-1121.	2.1	8
172	Impact of community respiratory viral infections in urban children with asthma. Annals of Allergy, Asthma and Immunology, 2019, 122, 175-183.e2.	1.0	8
173	Optimal estimators for ambient air quality levels. Atmospheric Environment Part A General Topics, 1992, 26, 113-123.	1.3	7
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175	Estimation and Evaluation of Exposures from a Large Sulfur Fire in South Africa. Environmental Research, 1999, 81, 316-333.	7.5	6
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