Amanda J Wheeler

List of Publications by Year
in descending order

123 papers	5,159 citations	70961 41 h-index	95083 68 g-index
125 all docs	125 docs citations	125 times ranked	6498 citing authors

#	Article	IF	Citations
1	A cohort study relating urban green space with mortality in Ontario, Canada. Environmental Research, 2012, 115, 51-58.	3.7	344
2	Acute Effects of Air Pollution on Pulmonary Function, Airway Inflammation, and Oxidative Stress in Asthmatic Children. Environmental Health Perspectives, 2009, 117, 668-674.	2.8	208
3	The Inflammatory Bowel Diseases and Ambient Air Pollution: A Novel Association. American Journal of Gastroenterology, 2010, 105, 2412-2419.	0.2	197
4	Acute Effects of Air Pollution on Pulmonary Function, Airway Inflammation, and Oxidative Stress in Asthmatic Children. Environmental Health Perspectives, 2009, 117, 668-674.	2.8	170
5	Intra-urban variability of air pollution in Windsor, Ontario—Measurement and modeling for human exposure assessment. Environmental Research, 2008, 106, 7-16.	3.7	157
6	Validation of continuous particle monitors for personal, indoor, and outdoor exposures. Journal of Exposure Science and Environmental Epidemiology, 2011, 21, 49-64.	1.8	145
7	Source apportionment of indoor and outdoor volatile organic compounds at homes in Edmonton, Canada. Building and Environment, 2015, 90, 114-124.	3.0	145
8	Quality of indoor residential air and health. Cmaj, 2008, 179, 147-152.	0.9	142
9	Long-Term Exposure to Traffic-Related Air Pollution and Cardiovascular Mortality. Epidemiology, 2013, 24, 35-43.	1.2	138
10	Further interpretation of the acute effect of nitrogen dioxide observed in Canadian time-series studies. Journal of Exposure Science and Environmental Epidemiology, 2007, 17, S36-S44.	1.8	109
11	Effect of ambient air pollution on the incidence of appendicitis. Cmaj, 2009, 181, 591-597.	0.9	108
12	The Relationship between Ambient Air Pollution and Heart Rate Variability Differs for Individuals with Heart and Pulmonary Disease. Environmental Health Perspectives, 2006, 114, 560-566.	2.8	101
13	Effects of Indoor, Outdoor, and Personal Exposure to Particulate Air Pollution on Cardiovascular Physiology and Systemic Mediators in Seniors. Journal of Occupational and Environmental Medicine, 2009, 51, 1088-1098.	0.9	100
14	Multi-season, multi-year concentrations and correlations amongst the BTEX group of VOCs in an urbanized industrial city. Atmospheric Environment, 2012, 61, 305-315.	1.9	94
15	Residential indoor and outdoor ultrafine particles in Windsor, Ontario. Atmospheric Environment, 2011, 45, 7583-7593.	1.9	92
16	Spatial Variability and Application of Ratios between BTEX in Two Canadian Cities. Scientific World Journal, The, 2011, 11, 2536-2549.	0.8	89
17	A randomized double–blind crossover study of indoor air filtration and acute changes in cardiorespiratory health in a First Nations community. Indoor Air, 2013, 23, 175-184.	2.0	83
18	Quantifying the contribution of ambient and indoor-generated fine particles to indoor air in residential environments. Indoor Air, 2014, 24, 362-375.	2.0	82

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19	Factors influencing variability in the infiltration of PM2.5 mass and its components. Atmospheric Environment, 2012, 61, 518-532.	1.9	81
20	The Influence of Living Near Roadways on Spirometry and Exhaled Nitric Oxide in Elementary Schoolchildren. Environmental Health Perspectives, 2008, 116, 1423-1427.	2.8	78
21	Residential infiltration of fine and ultrafine particles in Edmonton. Atmospheric Environment, 2014, 94, 793-805.	1.9	76
22	Personal, Indoor, and Outdoor Concentrations of Fine and Ultrafine Particles Using Continuous Monitors in Multiple Residences. Aerosol Science and Technology, 2011, 45, 1078-1089.	1.5	75
23	Associations between personal exposure to air pollutants and lung function tests and cardiovascular indices among children with asthma living near an industrial complex and petroleum refineries. Environmental Research, 2014, 132, 38-45.	3.7	74
24	Influence of Personal Exposure to Particulate Air Pollution on Cardiovascular Physiology and Biomarkers of Inflammation and Oxidative Stress in Subjects With Diabetes. Journal of Occupational and Environmental Medicine, 2007, 49, 258-265.	0.9	68
25	Evaluation of airborne particulate matter and metals data in personal, indoor and outdoor environments using ED-XRF and ICP-MS and co-located duplicate samples. Atmospheric Environment, 2010, 44, 235-245.	1.9	66
26	Intra-urban correlation and spatial variability of air toxics across an international airshed in Detroit, Michigan (USA) and Windsor, Ontario (Canada). Atmospheric Environment, 2010, 44, 1162-1174.	1.9	63
27	Urinary polycyclic aromatic hydrocarbons as a biomarker of exposure to PAHs in air: A pilot study among pregnant women. Journal of Exposure Science and Environmental Epidemiology, 2012, 22, 70-81.	1.8	62
28	Volatile organic compounds within indoor environments in Australia. Building and Environment, 2017, 122, 116-125.	3.0	62
29	The transferability of NO and NO2 land use regression models between cities and pollutants. Atmospheric Environment, 2011, 45, 369-378.	1.9	61
30	Particulate Oxidative Burden as a Predictor of Exhaled Nitric Oxide in Children with Asthma. Environmental Health Perspectives, 2016, 124, 1616-1622.	2.8	57
31	A cohort study of intra-urban variations in volatile organic compounds and mortality, Toronto, Canada. Environmental Pollution, 2013, 183, 30-39.	3.7	56
32	Within- and between-city contrasts in nitrogen dioxide and mortality in 10 Canadian cities; a subset of the Canadian Census Health and Environment Cohort (CanCHEC). Journal of Exposure Science and Environmental Epidemiology, 2015, 25, 482-489.	1.8	56
33	Intraurban concentrations, spatial variability and correlation of ambient polycyclic aromatic hydrocarbons (PAH) and PM2.5. Atmospheric Environment, 2012, 59, 272-283.	1.9	52
34	Title is missing!. Environmental Monitoring and Assessment, 2000, 65, 69-77.	1.3	50
35	The Canadian Healthy Infant Longitudinal Development (CHILD) birth cohort study: assessment of environmental exposures. Journal of Exposure Science and Environmental Epidemiology, 2015, 25, 580-592.	1.8	49
36	Impact of microenvironments and personal activities on personal PM2.5 exposures among asthmatic children. Journal of Exposure Science and Environmental Epidemiology, 2014, 24, 260-268.	1.8	48

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37	Predictors of Indoor Air Concentrations in Smoking and Non-Smoking Residences. International Journal of Environmental Research and Public Health, 2010, 7, 3080-3099.	1.2	47
38	Impacts of Air Cleaners on Indoor Air Quality in Residences Impacted by Wood Smoke. Environmental Science & Technology, 2014, 48, 12157-12163.	4.6	47
39	Development of temporally refined land-use regression models predicting daily household-level air pollution in a panel study of lung function among asthmatic children. Journal of Exposure Science and Environmental Epidemiology, 2013, 23, 259-267.	1.8	45
40	Effects of Ambient Coarse, Fine, and Ultrafine Particles and Their Biological Constituents on Systemic Biomarkers: A Controlled Human Exposure Study. Environmental Health Perspectives, 2015, 123, 534-540.	2.8	45
41	Indoor and Outdoor Levels and Sources of Submicron Particles (PM$_1$) at Homes in Edmonton, Canada. Environmental Science & Technology, 2015, 49, 6419-6429.	4.6	44
42	Identifying the sources driving observed PM&lt;sub&gt;2.5&lt;/sub&gt; temporal variability over Halifax, Nova Scotia, during BORTAS-B. Atmospheric Chemistry and Physics, 2013, 13, 7199-7213.	1.9	42
43	Exploring Variation and Predictors of Residential Fine Particulate Matter Infiltration. International Journal of Environmental Research and Public Health, 2010, 7, 3211-3224.	1.2	41
44	Ambient Ozone Concentrations and the Risk of Perforated and Nonperforated Appendicitis: A Multicity Case-Crossover Study. Environmental Health Perspectives, 2013, 121, 939-943.	2.8	41
45	Using smartphone technology to reduce health impacts from atmospheric environmental hazards. Environmental Research Letters, 2018, 13, 044019.	2.2	40
46	Back-extrapolation of estimates of exposure from current land-use regression models. Atmospheric Environment, 2010, 44, 4346-4354.	1.9	37
47	Fine and Ultrafine Particle Decay Rates in Multiple Homes. Environmental Science & Technology, 2013, 47, 12929-12937.	4.6	37
48	Monitoring personal, indoor, and outdoor exposures to metals in airborne particulate matter: Risk of contamination during sampling, handling and analysis. Atmospheric Environment, 2007, 41, 5897-5907.	1.9	35
49	Predicting personal exposure of Windsor, Ontario residents to volatile organic compounds using indoor measurements and survey data. Atmospheric Environment, 2008, 42, 5905-5912.	1.9	35
50	The Influence of Neighborhood Roadways on Respiratory Symptoms Among Elementary Schoolchildren. Journal of Occupational and Environmental Medicine, 2009, 51, 654-660.	0.9	35
51	Development of Land Use Regression models for predicting exposure to NO2 and NOx in Metropolitan Perth, Western Australia. Environmental Modelling and Software, 2015, 74, 258-267.	1.9	35
52	Windsor, Ontario Exposure Assessment Study: Design and Methods Validation of Personal, Indoor, and Outdoor Air Pollution Monitoring. Journal of the Air and Waste Management Association, 2011, 61, 324-338.	0.9	34
53	Trace metal exposure is associated with increased exhaled nitric oxide in asthmatic children. Environmental Health, 2016, 15, 94.	1.7	32
54	Early life exposure to coal mine fire smoke emissions and altered lung function in young children. Respirology, 2020, 25, 198-205.	1.3	32

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55	Using Global Positioning Systems (GPS) and temperature data to generate time-activity classifications for estimating personal exposure in air monitoring studies: an automated method. Environmental Health, 2014, 13, 33.	1.7	30
56	Physiological and perceived health effects from daily changes in air pollution and weather among persons with heart failure: A panel study. Journal of Exposure Science and Environmental Epidemiology, 2015, 25, 187-199.	1.8	30
57	Is remaining indoors an effective way of reducing exposure to fine particulate matter during biomass burning events?. Journal of the Air and Waste Management Association, 2019, 69, 611-622.	0.9	30
58	Predictors of coarse particulate matter and associated endotoxin concentrations in residential environments. Atmospheric Environment, 2014, 92, 221-230.	1.9	29
59	Indoor volatile organic compounds at an Australian university. Building and Environment, 2018, 135, 344-351.	3.0	28
60	Outdoor particulate matter exposure and upper respiratory tract infections in children and adolescents: A systematic review and meta-analysis. Environmental Research, 2022, 210, 112969.	3.7	28
61	Residential indoor and outdoor coarse particles and associated endotoxin exposures. Atmospheric Environment, 2011, 45, 7064-7071.	1.9	26
62	Windsor, Ontario Exposure Assessment Study: Design and Methods Validation of Personal, Indoor, and Outdoor Air Pollution Monitoring. Journal of the Air and Waste Management Association, 2011, 61, 142-156.	0.9	26
63	Can smartphone data identify the local environmental drivers of respiratory disease?. Environmental Research, 2020, 182, 109118.	3.7	25
64	Development of Land Use Regression models for particulate matter and associated components in a low air pollutant concentration airshed. Atmospheric Environment, 2016, 144, 69-78.	1.9	24
65	Do Questions Reflecting Indoor Air Pollutant Exposure from a Questionnaire Predict Direct Measure of Exposure in Owner-Occupied Houses?. International Journal of Environmental Research and Public Health, 2010, 7, 3270-3297.	1.2	23
66	Investigating the relationship between environmental factors and respiratory health outcomes in school children using the forced oscillation technique. International Journal of Hygiene and Environmental Health, 2017, 220, 494-502.	2.1	23
67	Early life exposure to phthalates in the Canadian Healthy Infant Longitudinal Development (CHILD) study: a multi-city birth cohort. Journal of Exposure Science and Environmental Epidemiology, 2020, 30, 70-85.	1.8	23
68	Using Digital Technology to Protect Health in Prolonged Poor Air Quality Episodes: A Case Study of the AirRater App during the Australian 2019â€"20 Fires. Fire, 2020, 3, 40.	1.2	22
69	Characterising non-linear associations between airborne pollen counts and respiratory symptoms from the AirRater smartphone app in Tasmania, Australia: A case time series approach. Environmental Research, 2021, 200, 111484.	3.7	22
70	Establishing the spatial variability of ambient nitrogen dioxide in Windsor, Ontario. International Journal of Environmental Studies, 2006, 63, 487-500.	0.7	20
71	From urban neighbourhood environments to cognitive health: a cross-sectional analysis of the role of physical activity and sedentary behaviours. BMC Public Health, 2021, 21, 2320.	1.2	20
72	The pro-inflammatory effects of particulate matter on epithelial cells are associated with elemental composition. Chemosphere, 2018, 202, 530-537.	4.2	18

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73	The impact of Traffic-Related air pollution on child and adolescent academic Performance: A systematic review. Environment International, 2021, 155, 106696.	4.8	18
74	The Relationship between Averaged Sulfate Exposures and Concentrations: Results from Exposure Assessment Panel Studies in Four U.S. Cities. Environmental Science & Technology, 2009, 43, 5028-5034.	4.6	17
75	Exhaust ventilation in attached garages improves residential indoor air quality. Indoor Air, 2017, 27, 487-499.	2.0	17
76	Public Health Messaging During Extreme Smoke Events: Are We Hitting the Mark?. Frontiers in Public Health, 2020, 8, 465.	1.3	17
77	Emissions from dryer vents during use of fragranced and fragrance-free laundry products. Air Quality, Atmosphere and Health, 2019, 12, 289-295.	1.5	15
78	Respiratory and atopic conditions in children two to four years after the 2014 Hazelwood coalmine fire. Medical Journal of Australia, 2020, 213, 269-275.	0.8	15
79	Urban Neighbourhood Environments, Cardiometabolic Health and Cognitive Function: A National Cross-Sectional Study of Middle-Aged and Older Adults in Australia. Toxics, 2022, 10, 23.	1.6	15
80	A scripted activity study of the impact of protective advice on personal exposure to ultra-fine and fine particulate matter and volatile organic compounds. Journal of Exposure Science and Environmental Epidemiology, 2008, 18, 495-502.	1.8	13
81	Maternal exposure to particulate matter alters early post-natal lung function and immune cell development. Environmental Research, 2018, 164, 625-635.	3.7	13
82	Exposure to air pollution during the first 1000 days of life and subsequent health service and medication usage in children. Environmental Pollution, 2020, 256, 113340.	3.7	13
83	Urinary and breast milk biomarkers to assess exposure to naphthalene in pregnant women: an investigation of personal and indoor air sources. Environmental Health, 2014, 13, 30.	1.7	12
84	Fragranced consumer products: effects on asthmatic Australians. Air Quality, Atmosphere and Health, 2018, 11, 365-371.	1.5	12
85	Associations of traffic-related air pollution and greenery with academic outcomes among primary schoolchildren. Environmental Research, 2021, 199, 111325.	3.7	12
86	Estimation of bias with the single€zone assumption in measurement of residential air exchange using the perfluorocarbon tracer gas method. Indoor Air, 2015, 25, 610-619.	2.0	11
87	Can changing the timing of outdoor air intake reduce indoor concentrations of traffic€related pollutants in schools?. Indoor Air, 2016, 26, 687-701.	2.0	11
88	Cohort Profile: The Hazelwood Health Study Latrobe Early Life Follow-Up (ELF) Study. International Journal of Epidemiology, 2021, 49, 1779-1780.	0.9	11
89	Can Public Spaces Effectively Be Used as Cleaner Indoor Air Shelters during Extreme Smoke Events?. International Journal of Environmental Research and Public Health, 2021, 18, 4085.	1.2	11
90	Estimating risk of emergency room visits for asthma from personal versus fixed site measurements of NO2. Environmental Research, 2015, 137, 323-328.	3.7	10

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91	Environmental Hazards and Behavior Change: User Perspectives on the Usability and Effectiveness of the AirRater Smartphone App. International Journal of Environmental Research and Public Health, 2021, 18, 3591.	1.2	10
92	International Mind, Activities and Urban Places (iMAP) study: methods of a cohort study on environmental and lifestyle influences on brain and cognitive health. BMJ Open, 2020, 10, e036607.	0.8	9
93	Long-term impacts of prenatal and infant exposure to fine particulate matter on wheezing and asthma. Environmental Epidemiology, 2019, 3, e042.	1.4	8
94	Roof cavity dust as an exposure proxy for extreme air pollution events. Chemosphere, 2020, 244, 125537.	4.2	8
95	Household determinants of biocontaminant exposures in Canadian homes. Indoor Air, 2022, 32, .	2.0	8
96	Interannual variation of air quality across an international airshed in Detroit (USA) and Windsor (Canada): A comparison of two sampling campaigns in both cities. Atmospheric Environment, 2019, 198, 417-426.	1.9	7
97	Windsor, Ontario exposure assessment study: design and methods validation of personal, indoor, and outdoor air pollution monitoring. Journal of the Air and Waste Management Association, 2011, 61, 324-38.	0.9	7
98	A new exposure metric for traffic-related air pollution? An analysis of determinants of hopanes in settled indoor house dust. Environmental Health, 2013, 12, 48.	1.7	6
99	Behavioral interventions to reduce nickel exposure in a nickel processing plant. Journal of Occupational and Environmental Hygiene, 2017, 14, 823-830.	0.4	6
100	Evaluation of missing value methods for predicting ambient BTEX concentrations in two neighbouring cities in Southwestern Ontario Canada. Atmospheric Environment, 2018, 181, 126-134.	1.9	6
101	Predictors of indoor BTEX concentrations in Canadian residences. Health Reports, 2013, 24, 11-7.	0.6	6
102	Adverse effects of prenatal exposure to residential dust on post-natal brain development. Environmental Research, 2021, 198, 110489.	3.7	5
103	Windsor, Ontario exposure assessment study: design and methods validation of personal, indoor, and outdoor air pollution monitoring. Journal of the Air and Waste Management Association, 2011, 61, 142-56.	0.9	5
104	Predicting intraurban airborne PM1.0-trace elements in a port city: Land use regression by ordinary least squares and a machine learning algorithm. Science of the Total Environment, 2022, 806, 150149.	3.9	4
105	Traffic exposure, air pollution and children's physical activity at early childhood education and care. International Journal of Hygiene and Environmental Health, 2022, 240, 113885.	2.1	4
106	Vegetation and vehicle emissions around primary schools across urban Australia: associations with academic performance. Environmental Research, 2022, 212, 113256.	3.7	4
107	AirRater Tasmania: Using Smartphone Technology to Understand Local Environmental Drivers of Symptoms in People with Asthma and Allergic Rhinitis. Journal of Allergy and Clinical Immunology, 2018, 141, AB84.	1.5	3
108	Performance and Deployment of Low-Cost Particle Sensor Units to Monitor Biomass Burning Events and Their Application in an Educational Initiative. Sensors, 2021, 21, 7206.	2.1	3

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109	Monitoring children's personal exposure to airborne particulate matter in London, UK – method development and study design. Science of the Total Environment, 1999, 235, 397-398.	3.9	2
110	Associations between respiratory and vascular function in early childhood. Respirology, 2021, 26, 1060-1066.	1.3	2
111	Estimating Retrospectively Exposures to Outdoor Air Pollution at the Intraurban Scale in an Ontario Cohort Study. Epidemiology, 2009, 20, S181-S182.	1.2	2
112	Woodsmoke Source Apportionment, Home Infiltration, and High Efficiency Particle Air Filter Intervention Assessment in the Rural Annapolis Valley, Nova Scotia, Canada. Epidemiology, 2011, 22, S185.	1.2	1
113	Sub-Clinical Effects of Outdoor Smoke in Affected Communities. International Journal of Environmental Research and Public Health, 2021, 18, 1131.	1.2	1
114	An Update on the Research Activities of the Environmental and Occupational Working Group for the Ontario Health Study (OHS). Epidemiology, 2009, 20, S102.	1.2	1
115	Associations between Traffic-Related Air Pollution and Cognitive Function in Australian Urban Settings: The Moderating Role of Diabetes Status. Toxics, 2022, 10, 289.	1.6	1
116	Assessing the Value of Including Global Position System in Personal Exposure Monitoring Studies. Epidemiology, 2011, 22, S91.	1.2	0
117	The Use of a Distance-weighted Directional Buffer Function in Land Use Regression Modeling for Urban Air Quality Assessment of Windsor, Ontario, Canada. Epidemiology, 2011, 22, S269-S270.	1.2	0
118	VOC Concentrations at a Residential Site and at Windsor International Airport, Ontario, Canada. Epidemiology, 2011, 22, S192.	1.2	0
119	757Using smartphone technology to characterise associations between respiratory symptoms and pollen. International Journal of Epidemiology, 2021, 50, .	0.9	0
120	Effects of Industrial Emissions on Cardiovascular and Respiratory Markers of Asthmatic Children in Montreal, Canada. Epidemiology, 2009, 20, S211.	1.2	0
121	Infiltration of PM2.5 into Homes in Toronto, Canada: Can Commonly Available Housing Characteristics Be Used to Improve Exposure Estimates?. Epidemiology, 2009, 20, S213.	1.2	0
122	Estimating Long-Term Exposure to Outdoor Air Pollution at the Interurban Scale in an Ontario Cohort Study. Epidemiology, 2009, 20, S181.	1.2	0
123	An Investigation into Which Methods Best Explain Children's Exposure to Traffic-Related Air Pollution. Toxics, 2022, 10, 284.	1.6	0