

# Amanda J Wheeler

## List of Publications by Year in descending order

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Version: 2024-02-01

123  
papers

5,159  
citations

71102

41  
h-index

95266

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. <i>Environmental Research</i> , 2012, 115, 51-58.	7.5	344
2	Acute Effects of Air Pollution on Pulmonary Function, Airway Inflammation, and Oxidative Stress in Asthmatic Children. <i>Environmental Health Perspectives</i> , 2009, 117, 668-674.	6.0	208
3	The Inflammatory Bowel Diseases and Ambient Air Pollution: A Novel Association. <i>American Journal of Gastroenterology</i> , 2010, 105, 2412-2419.	0.4	197
4	Acute Effects of Air Pollution on Pulmonary Function, Airway Inflammation, and Oxidative Stress in Asthmatic Children. <i>Environmental Health Perspectives</i> , 2009, 117, 668-674.	6.0	170
5	Intra-urban variability of air pollution in Windsor, Ontario—Measurement and modeling for human exposure assessment. <i>Environmental Research</i> , 2008, 106, 7-16.	7.5	157
6	Validation of continuous particle monitors for personal, indoor, and outdoor exposures. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2011, 21, 49-64.	3.9	145
7	Source apportionment of indoor and outdoor volatile organic compounds at homes in Edmonton, Canada. <i>Building and Environment</i> , 2015, 90, 114-124.	6.9	145
8	Quality of indoor residential air and health. <i>Cmaj</i> , 2008, 179, 147-152.	2.0	142
9	Long-Term Exposure to Traffic-Related Air Pollution and Cardiovascular Mortality. <i>Epidemiology</i> , 2013, 24, 35-43.	2.7	138
10	Further interpretation of the acute effect of nitrogen dioxide observed in Canadian time-series studies. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2007, 17, S36-S44.	3.9	109
11	Effect of ambient air pollution on the incidence of appendicitis. <i>Cmaj</i> , 2009, 181, 591-597.	2.0	108
12	The Relationship between Ambient Air Pollution and Heart Rate Variability Differs for Individuals with Heart and Pulmonary Disease. <i>Environmental Health Perspectives</i> , 2006, 114, 560-566.	6.0	101
13	Effects of Indoor, Outdoor, and Personal Exposure to Particulate Air Pollution on Cardiovascular Physiology and Systemic Mediators in Seniors. <i>Journal of Occupational and Environmental Medicine</i> , 2009, 51, 1088-1098.	1.7	100
14	Multi-season, multi-year concentrations and correlations amongst the BTEX group of VOCs in an urbanized industrial city. <i>Atmospheric Environment</i> , 2012, 61, 305-315.	4.1	94
15	Residential indoor and outdoor ultrafine particles in Windsor, Ontario. <i>Atmospheric Environment</i> , 2011, 45, 7583-7593.	4.1	92
16	Spatial Variability and Application of Ratios between BTEX in Two Canadian Cities. <i>Scientific World Journal</i> , The, 2011, 11, 2536-2549.	2.1	89
17	A randomized double-blind crossover study of indoor air filtration and acute changes in cardiorespiratory health in a First Nations community. <i>Indoor Air</i> , 2013, 23, 175-184.	4.3	83
18	Quantifying the contribution of ambient and indoor-generated fine particles to indoor air in residential environments. <i>Indoor Air</i> , 2014, 24, 362-375.	4.3	82

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19	Factors influencing variability in the infiltration of PM2.5 mass and its components. <i>Atmospheric Environment</i> , 2012, 61, 518-532.	4.1	81
20	The Influence of Living Near Roadways on Spirometry and Exhaled Nitric Oxide in Elementary Schoolchildren. <i>Environmental Health Perspectives</i> , 2008, 116, 1423-1427.	6.0	78
21	Residential infiltration of fine and ultrafine particles in Edmonton. <i>Atmospheric Environment</i> , 2014, 94, 793-805.	4.1	76
22	Personal, Indoor, and Outdoor Concentrations of Fine and Ultrafine Particles Using Continuous Monitors in Multiple Residences. <i>Aerosol Science and Technology</i> , 2011, 45, 1078-1089.	3.1	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. <i>Environmental Research</i> , 2014, 132, 38-45.	7.5	74
24	Influence of Personal Exposure to Particulate Air Pollution on Cardiovascular Physiology and Biomarkers of Inflammation and Oxidative Stress in Subjects With Diabetes. <i>Journal of Occupational and Environmental Medicine</i> , 2007, 49, 258-265.	1.7	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. <i>Atmospheric Environment</i> , 2010, 44, 235-245.	4.1	66
26	Intra-urban correlation and spatial variability of air toxics across an international airshed in Detroit, Michigan (USA) and Windsor, Ontario (Canada). <i>Atmospheric Environment</i> , 2010, 44, 1162-1174.	4.1	63
27	Urinary polycyclic aromatic hydrocarbons as a biomarker of exposure to PAHs in air: A pilot study among pregnant women. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2012, 22, 70-81.	3.9	62
28	Volatile organic compounds within indoor environments in Australia. <i>Building and Environment</i> , 2017, 122, 116-125.	6.9	62
29	The transferability of NO and NO2 land use regression models between cities and pollutants. <i>Atmospheric Environment</i> , 2011, 45, 369-378.	4.1	61
30	Particulate Oxidative Burden as a Predictor of Exhaled Nitric Oxide in Children with Asthma. <i>Environmental Health Perspectives</i> , 2016, 124, 1616-1622.	6.0	57
31	A cohort study of intra-urban variations in volatile organic compounds and mortality, Toronto, Canada. <i>Environmental Pollution</i> , 2013, 183, 30-39.	7.5	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). <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2015, 25, 482-489.	3.9	56
33	Intraurban concentrations, spatial variability and correlation of ambient polycyclic aromatic hydrocarbons (PAH) and PM2.5. <i>Atmospheric Environment</i> , 2012, 59, 272-283.	4.1	52
34	Title is missing!. <i>Environmental Monitoring and Assessment</i> , 2000, 65, 69-77.	2.7	50
35	The Canadian Healthy Infant Longitudinal Development (CHILD) birth cohort study: assessment of environmental exposures. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2015, 25, 580-592.	3.9	49
36	Impact of microenvironments and personal activities on personal PM2.5 exposures among asthmatic children. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2014, 24, 260-268.	3.9	48

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37	Predictors of Indoor Air Concentrations in Smoking and Non-Smoking Residences. <i>International Journal of Environmental Research and Public Health</i> , 2010, 7, 3080-3099.	2.6	47
38	Impacts of Air Cleaners on Indoor Air Quality in Residences Impacted by Wood Smoke. <i>Environmental Science &amp; Technology</i> , 2014, 48, 12157-12163.	10.0	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. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2013, 23, 259-267.	3.9	45
40	Effects of Ambient Coarse, Fine, and Ultrafine Particles and Their Biological Constituents on Systemic Biomarkers: A Controlled Human Exposure Study. <i>Environmental Health Perspectives</i> , 2015, 123, 534-540.	6.0	45
41	Indoor and Outdoor Levels and Sources of Submicron Particles (PM <sub>1</sub> ) at Homes in Edmonton, Canada. <i>Environmental Science &amp; Technology</i> , 2015, 49, 6419-6429.	10.0	44
42	Identifying the sources driving observed PM <sub>2.5</sub> ; temporal variability over Halifax, Nova Scotia, during BORTAS-B. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 7199-7213.	4.9	42
43	Exploring Variation and Predictors of Residential Fine Particulate Matter Infiltration. <i>International Journal of Environmental Research and Public Health</i> , 2010, 7, 3211-3224.	2.6	41
44	Ambient Ozone Concentrations and the Risk of Perforated and Nonperforated Appendicitis: A Multicity Case-Crossover Study. <i>Environmental Health Perspectives</i> , 2013, 121, 939-943.	6.0	41
45	Using smartphone technology to reduce health impacts from atmospheric environmental hazards. <i>Environmental Research Letters</i> , 2018, 13, 044019.	5.2	40
46	Back-extrapolation of estimates of exposure from current land-use regression models. <i>Atmospheric Environment</i> , 2010, 44, 4346-4354.	4.1	37
47	Fine and Ultrafine Particle Decay Rates in Multiple Homes. <i>Environmental Science &amp; Technology</i> , 2013, 47, 12929-12937.	10.0	37
48	Monitoring personal, indoor, and outdoor exposures to metals in airborne particulate matter: Risk of contamination during sampling, handling and analysis. <i>Atmospheric Environment</i> , 2007, 41, 5897-5907.	4.1	35
49	Predicting personal exposure of Windsor, Ontario residents to volatile organic compounds using indoor measurements and survey data. <i>Atmospheric Environment</i> , 2008, 42, 5905-5912.	4.1	35
50	The Influence of Neighborhood Roadways on Respiratory Symptoms Among Elementary Schoolchildren. <i>Journal of Occupational and Environmental Medicine</i> , 2009, 51, 654-660.	1.7	35
51	Development of Land Use Regression models for predicting exposure to NO <sub>2</sub> and NO <sub>x</sub> in Metropolitan Perth, Western Australia. <i>Environmental Modelling and Software</i> , 2015, 74, 258-267.	4.5	35
52	Windsor, Ontario Exposure Assessment Study: Design and Methods Validation of Personal, Indoor, and Outdoor Air Pollution Monitoring. <i>Journal of the Air and Waste Management Association</i> , 2011, 61, 324-338.	1.9	34
53	Trace metal exposure is associated with increased exhaled nitric oxide in asthmatic children. <i>Environmental Health</i> , 2016, 15, 94.	4.0	32
54	Early life exposure to coal mine fire smoke emissions and altered lung function in young children. <i>Respirology</i> , 2020, 25, 198-205.	2.3	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. <i>Environmental Health</i> , 2014, 13, 33.	4.0	30
56	Physiological and perceived health effects from daily changes in air pollution and weather among persons with heart failure: A panel study. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2015, 25, 187-199.	3.9	30
57	Is remaining indoors an effective way of reducing exposure to fine particulate matter during biomass burning events?. <i>Journal of the Air and Waste Management Association</i> , 2019, 69, 611-622.	1.9	30
58	Predictors of coarse particulate matter and associated endotoxin concentrations in residential environments. <i>Atmospheric Environment</i> , 2014, 92, 221-230.	4.1	29
59	Indoor volatile organic compounds at an Australian university. <i>Building and Environment</i> , 2018, 135, 344-351.	6.9	28
60	Outdoor particulate matter exposure and upper respiratory tract infections in children and adolescents: A systematic review and meta-analysis. <i>Environmental Research</i> , 2022, 210, 112969.	7.5	28
61	Residential indoor and outdoor coarse particles and associated endotoxin exposures. <i>Atmospheric Environment</i> , 2011, 45, 7064-7071.	4.1	26
62	Windsor, Ontario Exposure Assessment Study: Design and Methods Validation of Personal, Indoor, and Outdoor Air Pollution Monitoring. <i>Journal of the Air and Waste Management Association</i> , 2011, 61, 142-156.	1.9	26
63	Can smartphone data identify the local environmental drivers of respiratory disease?. <i>Environmental Research</i> , 2020, 182, 109118.	7.5	25
64	Development of Land Use Regression models for particulate matter and associated components in a low air pollutant concentration airshed. <i>Atmospheric Environment</i> , 2016, 144, 69-78.	4.1	24
65	Do Questions Reflecting Indoor Air Pollutant Exposure from a Questionnaire Predict Direct Measure of Exposure in Owner-Occupied Houses?. <i>International Journal of Environmental Research and Public Health</i> , 2010, 7, 3270-3297.	2.6	23
66	Investigating the relationship between environmental factors and respiratory health outcomes in school children using the forced oscillation technique. <i>International Journal of Hygiene and Environmental Health</i> , 2017, 220, 494-502.	4.3	23
67	Early life exposure to phthalates in the Canadian Healthy Infant Longitudinal Development (CHILD) study: a multi-city birth cohort. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2020, 30, 70-85.	3.9	23
68	Using Digital Technology to Protect Health in Prolonged Poor Air Quality Episodes: A Case Study of the AirRater App during the Australian 2019-20 Fires. <i>Fire</i> , 2020, 3, 40.	2.8	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. <i>Environmental Research</i> , 2021, 200, 111484.	7.5	22
70	Establishing the spatial variability of ambient nitrogen dioxide in Windsor, Ontario. <i>International Journal of Environmental Studies</i> , 2006, 63, 487-500.	1.6	20
71	From urban neighbourhood environments to cognitive health: a cross-sectional analysis of the role of physical activity and sedentary behaviours. <i>BMC Public Health</i> , 2021, 21, 2320.	2.9	20
72	The pro-inflammatory effects of particulate matter on epithelial cells are associated with elemental composition. <i>Chemosphere</i> , 2018, 202, 530-537.	8.2	18

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73	The impact of Traffic-Related air pollution on child and adolescent academic Performance: A systematic review. <i>Environment International</i> , 2021, 155, 106696.	10.0	18
74	The Relationship between Averaged Sulfate Exposures and Concentrations: Results from Exposure Assessment Panel Studies in Four U.S. Cities. <i>Environmental Science &amp; Technology</i> , 2009, 43, 5028-5034.	10.0	17
75	Exhaust ventilation in attached garages improves residential indoor air quality. <i>Indoor Air</i> , 2017, 27, 487-499.	4.3	17
76	Public Health Messaging During Extreme Smoke Events: Are We Hitting the Mark?. <i>Frontiers in Public Health</i> , 2020, 8, 465.	2.7	17
77	Emissions from dryer vents during use of fragranced and fragrance-free laundry products. <i>Air Quality, Atmosphere and Health</i> , 2019, 12, 289-295.	3.3	15
78	Respiratory and atopic conditions in children two to four years after the 2014 Hazelwood coalmine fire. <i>Medical Journal of Australia</i> , 2020, 213, 269-275.	1.7	15
79	Urban Neighbourhood Environments, Cardiometabolic Health and Cognitive Function: A National Cross-Sectional Study of Middle-Aged and Older Adults in Australia. <i>Toxics</i> , 2022, 10, 23.	3.7	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. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2008, 18, 495-502.	3.9	13
81	Maternal exposure to particulate matter alters early post-natal lung function and immune cell development. <i>Environmental Research</i> , 2018, 164, 625-635.	7.5	13
82	Exposure to air pollution during the first 1000 days of life and subsequent health service and medication usage in children. <i>Environmental Pollution</i> , 2020, 256, 113340.	7.5	13
83	Urinary and breast milk biomarkers to assess exposure to naphthalene in pregnant women: an investigation of personal and indoor air sources. <i>Environmental Health</i> , 2014, 13, 30.	4.0	12
84	Fragranced consumer products: effects on asthmatic Australians. <i>Air Quality, Atmosphere and Health</i> , 2018, 11, 365-371.	3.3	12
85	Associations of traffic-related air pollution and greenery with academic outcomes among primary schoolchildren. <i>Environmental Research</i> , 2021, 199, 111325.	7.5	12
86	Estimation of bias with the single-zone assumption in measurement of residential air exchange using the perfluorocarbon tracer gas method. <i>Indoor Air</i> , 2015, 25, 610-619.	4.3	11
87	Can changing the timing of outdoor air intake reduce indoor concentrations of traffic-related pollutants in schools?. <i>Indoor Air</i> , 2016, 26, 687-701.	4.3	11
88	Cohort Profile: The Hazelwood Health Study Latrobe Early Life Follow-Up (ELF) Study. <i>International Journal of Epidemiology</i> , 2021, 49, 1779-1780.	1.9	11
89	Can Public Spaces Effectively Be Used as Cleaner Indoor Air Shelters during Extreme Smoke Events?. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4085.	2.6	11
90	Estimating risk of emergency room visits for asthma from personal versus fixed site measurements of NO <sub>2</sub> . <i>Environmental Research</i> , 2015, 137, 323-328.	7.5	10

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91	Environmental Hazards and Behavior Change: User Perspectives on the Usability and Effectiveness of the AirRater Smartphone App. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3591.	2.6	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. <i>BMJ Open</i> , 2020, 10, e036607.	1.9	9
93	Long-term impacts of prenatal and infant exposure to fine particulate matter on wheezing and asthma. <i>Environmental Epidemiology</i> , 2019, 3, e042.	3.0	8
94	Roof cavity dust as an exposure proxy for extreme air pollution events. <i>Chemosphere</i> , 2020, 244, 125537.	8.2	8
95	Household determinants of biocontaminant exposures in Canadian homes. <i>Indoor Air</i> , 2022, 32, .	4.3	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. <i>Atmospheric Environment</i> , 2019, 198, 417-426.	4.1	7
97	Windsor, Ontario exposure assessment study: design and methods validation of personal, indoor, and outdoor air pollution monitoring. <i>Journal of the Air and Waste Management Association</i> , 2011, 61, 324-38.	1.9	7
98	A new exposure metric for traffic-related air pollution? An analysis of determinants of hopanes in settled indoor house dust. <i>Environmental Health</i> , 2013, 12, 48.	4.0	6
99	Behavioral interventions to reduce nickel exposure in a nickel processing plant. <i>Journal of Occupational and Environmental Hygiene</i> , 2017, 14, 823-830.	1.0	6
100	Evaluation of missing value methods for predicting ambient BTEX concentrations in two neighbouring cities in Southwestern Ontario Canada. <i>Atmospheric Environment</i> , 2018, 181, 126-134.	4.1	6
101	Predictors of indoor BTEX concentrations in Canadian residences. <i>Health Reports</i> , 2013, 24, 11-7.	0.8	6
102	Adverse effects of prenatal exposure to residential dust on post-natal brain development. <i>Environmental Research</i> , 2021, 198, 110489.	7.5	5
103	Windsor, Ontario exposure assessment study: design and methods validation of personal, indoor, and outdoor air pollution monitoring. <i>Journal of the Air and Waste Management Association</i> , 2011, 61, 142-56.	1.9	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. <i>Science of the Total Environment</i> , 2022, 806, 150149.	8.0	4
105	Traffic exposure, air pollution and children's physical activity at early childhood education and care. <i>International Journal of Hygiene and Environmental Health</i> , 2022, 240, 113885.	4.3	4
106	Vegetation and vehicle emissions around primary schools across urban Australia: associations with academic performance. <i>Environmental Research</i> , 2022, 212, 113256.	7.5	4
107	AirRater Tasmania: Using Smartphone Technology to Understand Local Environmental Drivers of Symptoms in People with Asthma and Allergic Rhinitis. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, AB84.	2.9	3
108	Performance and Deployment of Low-Cost Particle Sensor Units to Monitor Biomass Burning Events and Their Application in an Educational Initiative. <i>Sensors</i> , 2021, 21, 7206.	3.8	3

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109	Monitoring children's personal exposure to airborne particulate matter in London, UK – method development and study design. <i>Science of the Total Environment</i> , 1999, 235, 397-398.	8.0	2
110	Associations between respiratory and vascular function in early childhood. <i>Respirology</i> , 2021, 26, 1060-1066.	2.3	2
111	Estimating Retrospectively Exposures to Outdoor Air Pollution at the Intraurban Scale in an Ontario Cohort Study. <i>Epidemiology</i> , 2009, 20, S181-S182.	2.7	2
112	Woodsmoke Source Apportionment, Home Infiltration, and High Efficiency Particle Air Filter Intervention Assessment in the Rural Annapolis Valley, Nova Scotia, Canada. <i>Epidemiology</i> , 2011, 22, S185.	2.7	1
113	Sub-Clinical Effects of Outdoor Smoke in Affected Communities. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1131.	2.6	1
114	An Update on the Research Activities of the Environmental and Occupational Working Group for the Ontario Health Study (OHS). <i>Epidemiology</i> , 2009, 20, S102.	2.7	1
115	Associations between Traffic-Related Air Pollution and Cognitive Function in Australian Urban Settings: The Moderating Role of Diabetes Status. <i>Toxics</i> , 2022, 10, 289.	3.7	1
116	Assessing the Value of Including Global Position System in Personal Exposure Monitoring Studies. <i>Epidemiology</i> , 2011, 22, S91.	2.7	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. <i>Epidemiology</i> , 2011, 22, S269-S270.	2.7	0
118	VOC Concentrations at a Residential Site and at Windsor International Airport, Ontario, Canada. <i>Epidemiology</i> , 2011, 22, S192.	2.7	0
119	Using smartphone technology to characterise associations between respiratory symptoms and pollen. <i>International Journal of Epidemiology</i> , 2021, 50, .	1.9	0
120	Effects of Industrial Emissions on Cardiovascular and Respiratory Markers of Asthmatic Children in Montreal, Canada. <i>Epidemiology</i> , 2009, 20, S211.	2.7	0
121	Infiltration of PM <sub>2.5</sub> into Homes in Toronto, Canada: Can Commonly Available Housing Characteristics Be Used to Improve Exposure Estimates?. <i>Epidemiology</i> , 2009, 20, S213.	2.7	0
122	Estimating Long-Term Exposure to Outdoor Air Pollution at the Interurban Scale in an Ontario Cohort Study. <i>Epidemiology</i> , 2009, 20, S181.	2.7	0
123	An Investigation into Which Methods Best Explain Children's Exposure to Traffic-Related Air Pollution. <i>Toxics</i> , 2022, 10, 284.	3.7	0