Jennifer L Peel

List of Publications by Citations

84 papers	2,700 citations	23 h-index	50 g-index
96 ext. papers	3,224 ext. citations	6.2 avg, IF	4.88 L-index

#	Paper	IF	Citations
84	Ambient air pollution and respiratory emergency department visits. *Epidemiology*, **2005**, 16, 164-74	3.1	371
83	Ambient air pollution and cardiovascular emergency department visits. *Epidemiology*, **2004**, 15, 46-56	3.1	247
82	Health and household air pollution from solid fuel use: the need for improved exposure assessment. *Environmental Health Perspectives*, **2013**, 121, 1120-8	8.4	178
81	Ambient Coarse Particulate Matter and Human Health: A Systematic Review and Meta-Analysis. *Current Environmental Health Reports*, **2014**, 1, 258-274	6.5	135
80	Ambient air pollution and cardiovascular emergency department visits in potentially sensitive groups. *American Journal of Epidemiology*, **2007**, 165, 625-33	3.8	130
79	The temporal lag structure of short-term associations of fine particulate matter chemical constituents and cardiovascular and respiratory hospitalizations. *Environmental Health Perspectives*, **2012**, 120, 1094-9	8.4	125
78	Multipollutant modeling issues in a study of ambient air quality and emergency department visits in Atlanta. *Journal of Exposure Science and Environmental Epidemiology*, **2007**, 17 Suppl 2, S29-35	6.7	120
77	Mind the gap. *Environmental Health Perspectives*, **2010**, 118, 1643-5	8.4	102
76	Familial, social, and individual factors contributing to risk for adolescent substance use. *Journal of Addiction*, **2013**, 2013, 579310	2.2	83
75	Impact of improved cookstoves on indoor air pollution and adverse health effects among Honduran women. *International Journal of Environmental Health Research*, **2009**, 19, 357-68	3.6	73
74	Impact of nitrogen and climate change interactions on ambient air pollution and human health. *Biogeochemistry*, **2013**, 114, 121-134	3.8	61
73	Interim results of the study of particulates and health in Atlanta (SOPHIA). *Journal of Exposure Science and Environmental Epidemiology*, **2000**, 10, 446-60	6.7	57
72	The Fort Collins Commuter Study: Impact of route type and transport mode on personal exposure to multiple air pollutants. *Journal of Exposure Science and Environmental Epidemiology*, **2016**, 26, 397-404	6.7	50
71	Assessing Exposure to Household Air Pollution: A Systematic Review and Pooled Analysis of Carbon Monoxide as a Surrogate Measure of Particulate Matter. *Environmental Health Perspectives*, **2017**, 125, 076002	8.4	47
70	Design and Rationale of the HAPIN Study: A Multicountry Randomized Controlled Trial to Assess the Effect of Liquefied Petroleum Gas Stove and Continuous Fuel Distribution. *Environmental Health Perspectives*, **2020**, 128, 47008	8.4	43
69	Ambient air pollution and cardiac arrhythmias in patients with implantable defibrillators. *Epidemiology*, **2007**, 18, 585-92	3.1	42
68	Effects of instrument precision and spatial variability on the assessment of the temporal variation of ambient air pollution in Atlanta, Georgia. *Journal of the Air and Waste Management Association*, **2006**, 56, 876-88	2.4	37

67	Exposure to household air pollution from biomass cookstoves and blood pressure among women in rural Honduras: A cross-sectional study. *Indoor Air*, **2019**, 29, 130-142	5.4	37
66	A baseline evaluation of traditional cook stove smoke exposures and indicators of cardiovascular and respiratory health among Nicaraguan women. *International Journal of Occupational and Environmental Health*, **2011**, 17, 113-21		36
65	The Fort Collins commuter study: Variability in personal exposure to air pollutants by microenvironment. *Indoor Air*, **2019**, 29, 231-241	5.4	34
64	Positive matrix factorization of PM(2.5): comparison and implications of using different speciation data sets. *Environmental Science & Technology*, **2012**, 46, 11962-70	10.3	33
63	A Laboratory Assessment of 120 Air Pollutant Emissions from Biomass and Fossil Fuel Cookstoves. *Environmental Science & Technology*, **2019**, 53, 7114-7125	10.3	28
62	Modeling the potential health benefits of lower household air pollution after a hypothetical liquified petroleum gas (LPG) cookstove intervention. *Environment International*, **2018**, 111, 71-79	12.9	28
61	Measuring personal exposure to fine particulate matter (PM) among rural Honduran women: A field evaluation of the Ultrasonic Personal Aerosol Sampler (UPAS). *Environment International*, **2019**, 123, 50-53	12.9	23
60	Positive matrix factorization of a 32-month series of daily PM speciation data with incorporation of temperature stratification. *Atmospheric Environment*, **2013**, 65, 11-20	5.3	22
59	Ambient air pollution and apnea and bradycardia in high-risk infants on home monitors. *Environmental Health Perspectives*, **2011**, 119, 1321-7	8.4	22
58	Cardiopulmonary Impact of Particulate Air Pollution in High-Risk Populations: JACC State-of-the-Art Review. *Journal of the American College of Cardiology*, **2020**, 76, 2878-2894	15.1	22
57	Relationships between indicators of cardiovascular disease and intensity of oil and natural gas activity in Northeastern Colorado. *Environmental Research*, **2019**, 170, 56-64	7.9	22
56	Association of short-term exposure to ground-level ozone and respiratory outpatient clinic visits in a rural location - Sublette County, Wyoming, 2008-2011. *Environmental Research*, **2015**, 137, 1-7	7.9	20
55	Interactions Between Diet and Exposure to Secondhand Smoke on Metabolic Syndrome Among Children: NHANES 2007-2010. *Journal of Clinical Endocrinology and Metabolism*, **2016**, 101, 52-8	5.6	20
54	Characterization and Nonparametric Regression of Rural and Urban Coarse Particulate Matter Mass Concentrations in Northeastern Colorado. *Aerosol Science and Technology*, **2012**, 46, 108-123	3.4	20
53	An accurate filter loading correction is essential for assessing personal exposure to black carbon using an Aethalometer. *Journal of Exposure Science and Environmental Epidemiology*, **2017**, 27, 409-416	6.7	19
52	Challenges in the diagnosis of paediatric pneumonia in intervention field trials: recommendations from a pneumonia field trial working group. *Lancet Respiratory Medicine,the*, **2019**, 7, 1068-1083	35.1	19
51	Variation in gravimetric correction factors for nephelometer-derived estimates of personal exposure to PM. *Environmental Pollution*, **2019**, 250, 251-261	9.3	19
50	Comparisons of urban and rural PM_{10−2.5} and PM_{2.5} mass concentrations and semi-volatile fractions in northeastern Colorado. *Atmospheric Chemistry and Physics*, **2016**, 16, 7469-7484	6.8	19

49	Household air pollution from biomass-burning cookstoves and metabolic syndrome, blood lipid concentrations, and waist circumference in Honduran women: A cross-sectional study. *Environmental Research*, **2019**, 170, 46-55	7.9	19
48	Impact of improved air quality during the 1996 Summer Olympic Games in Atlanta on multiple cardiovascular and respiratory outcomes. *Research Report (health Effects Institute)*, **2010**, 3-23; discussion 25-33	0.9	19
47	A Baseline Evaluation of Traditional Cook Stove Smoke Exposures and Indicators of Cardiovascular and Respiratory Health among Nicaraguan Women		18
46	Prenatal exposure to traffic and ambient air pollution and infant weight and adiposity: The Healthy Start study. *Environmental Research*, **2020**, 182, 109130	7.9	17
45	Intra-urban spatial variability and uncertainty assessment of PM sources based on carbonaceous species. *Atmospheric Environment*, **2012**, 60, 305-315	5.3	17
44	Air Pollutant Exposure and Stove Use Assessment Methods for the Household Air Pollution Intervention Network (HAPIN) Trial. *Environmental Health Perspectives*, **2020**, 128, 47009	8.4	16
43	Acute Effects on Blood Pressure Following Controlled Exposure to Cookstove Air Pollution in the STOVES Study. *Journal of the American Heart Association*, **2019**, 8, e012246	6	16
42	Effects of high altitude on respiratory rate and oxygen saturation reference values in healthy infants and children younger than 2 years in four countries: a cross-sectional study. *The Lancet Global Health*, **2020**, 8, e362-e373	13.6	14
41	Intra-urban spatial variability of PM-bound carbonaceous components. *Atmospheric Environment*, **2012**, 60, 486-494	5.3	14
40	The short-term association of selected components of fine particulate matter and mortality in the Denver Aerosol Sources and Health (DASH) study. *Environmental Health*, **2015**, 14, 49	6	13
39	Design and Rationale of the Biomarker Center of the Household Air Pollution Intervention Network (HAPIN) Trial. *Environmental Health Perspectives*, **2020**, 128, 47010	8.4	12
38	Perspectives in Household Air Pollution Research: Who Will Benefit from Interventions?. *Current Environmental Health Reports*, **2014**, 1, 250-257	6.5	12
37	Designing a comprehensive behaviour change intervention to promote and monitor exclusive use of liquefied petroleum gas stoves for the Household Air Pollution Intervention Network (HAPIN) trial. *BMJ Open*, **2020**, 10, e037761	3	11
36	The use of bluetooth low energy Beacon systems to estimate indirect personal exposure to household air pollution. *Journal of Exposure Science and Environmental Epidemiology*, **2020**, 30, 990-1000	6.7	10
35	Are Randomized Trials Necessary to Advance Epidemiologic Research on Household Air Pollution?. *Current Epidemiology Reports*, **2015**, 2, 263-270	2.9	9
34	Chemical Composition and Emissions Factors for Cookstove Startup (Ignition) Materials. *Environmental Science & Technology*, **2018**, 52, 9505-9513	10.3	8
33	Acute differences in pulse wave velocity, augmentation index, and central pulse pressure following controlled exposures to cookstove air pollution in the Subclinical Tests of Volunteers Exposed to Smoke (SToVES) study. *Environmental Research*, **2020**, 180, 108831	7.9	8
32	Understanding Self-Rated Health and Unconventional Oil and Gas Development in Three Colorado Communities. *Society and Natural Resources*, **2021**, 34, 60-81	2.4	8

31	Kitchen concentrations of fine particulate matter and particle number concentration in households using biomass cookstoves in rural Honduras. *Environmental Pollution*, **2020**, 258, 113697	9.3	7
30	Exposure contrasts associated with a liquefied petroleum gas (LPG) intervention at potential field sites for the multi-country household air pollution intervention network (HAPIN) trial in India: results from pilot phase activities in rural Tamil Nadu. *BMC Public Health*, **2020**, 20, 1799	4.1	7
29	Short-term differences in cardiac function following controlled exposure to cookstove air pollution: The subclinical tests on volunteers exposed to smoke (STOVES) study. *Environment International*, **2021**, 146, 106254	12.9	7
28	Study protocol for a stepped-wedge randomized cookstove intervention in rural Honduras: household air pollution and cardiometabolic health. *BMC Public Health*, **2019**, 19, 903	4.1	6
27	Errors in coarse particulate matter mass concentrations and spatiotemporal characteristics when using subtraction estimation methods. *Journal of the Air and Waste Management Association*, **2013**, 63, 1386-98	2.4	6
26	C-reactive protein from dried blood spots: Application to household air pollution field studies. *Indoor Air*, **2020**, 30, 24-30	5.4	6
25	Comparison of next-generation portable pollution monitors to measure exposure to PM from household air pollution in Puno, Peru. *Indoor Air*, **2020**, 30, 445-458	5.4	6
24	Design and conduct of facility-based surveillance for severe childhood pneumonia in the Household Air Pollution Intervention Network (HAPIN) trial. *ERJ Open Research*, **2020**, 6,	3.5	6
23	Tropical Cyclone Exposures and Risks of Emergency Medicare Hospital Admission for Cardiorespiratory Diseases in 175 Urban United States Counties, 1999-2010. *Epidemiology*, **2021**, 32, 315-326	3.1	6
22	Exposure to Household Air Pollution from Biomass Cookstoves and Levels of Fractional Exhaled Nitric Oxide (FeNO) among Honduran Women. *International Journal of Environmental Research and Public Health*, **2018**, 15,	4.6	6
21	Comparing multipollutant emissions-based mobile source indicators to other single pollutant and multipollutant indicators in different urban areas. *International Journal of Environmental Research and Public Health*, **2014**, 11, 11727-52	4.6	5
20	Impact of the wood-burning Justa cookstove on fine particulate matter exposure: A stepped-wedge randomized trial in rural Honduras. *Science of the Total Environment*, **2021**, 767, 144369	10.2	5
19	Exposure to household air pollution from biomass cookstoves and self-reported symptoms among women in rural Honduras. *International Journal of Environmental Health Research*, **2020**, 30, 160-173	3.6	5
18	Community-wide Mortality Rates in Beijing, China, During the July 2012 Flood Compared with Unexposed Periods. *Epidemiology*, **2020**, 31, 319-326	3.1	4
17	Exposure to ambient air pollution during pregnancy and inflammatory biomarkers in maternal and umbilical cord blood: The Healthy Start study. *Environmental Research*, **2021**, 197, 111165	7.9	4
16	An Expert Survey on the Material Types used to Start Cookstoves. *Energy for Sustainable Development*, **2019**, 48, 59-66	5.4	4
15	LPG stove and fuel intervention among pregnant women reduce fine particle air pollution exposures in three countries: Pilot results from the HAPIN trial. *Environmental Pollution*, **2021**, 291, 118198	9.2	4
14	Fidelity and Adherence to a Liquefied Petroleum Gas Stove and Fuel Intervention during Gestation: The Multi-Country Household Air Pollution Intervention Network (HAPIN) Randomized Controlled Trial. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	3

13	Electrochemical Dithiothreitol Assay for Large-Scale Particulate Matter Studies. *Aerosol Science and Technology*, **2019**, 53, 268-275	3.4	3
12	Interactions Between Diet and Exposure to Secondhand Smoke on Glycated Hemoglobin Levels Among US Children: Results From NHANES 2007-2012. *Nicotine and Tobacco Research*, **2017**, 19, 845-851	4.9	2
11	Cross-validation of biomonitoring methods for polycyclic aromatic hydrocarbon metabolites in human urine: Results from the formative phase of the Household Air Pollution Intervention Network (HAPIN) trial in India. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2020**, 1154, 122284	3.2	2
10	A risk assessment tool for resumption of research activities during the COVID-19 pandemic for field trials in low resource settings. *BMC Medical Research Methodology*, **2021**, 21, 68	4.7	2
9	Acute changes in lung function following controlled exposure to cookstove air pollution in the subclinical tests of volunteers exposed to smoke (STOVES) study. *Inhalation Toxicology*, **2020**, 32, 115-123	2.7	2
8	Acute differences in blood lipids and inflammatory biomarkers following controlled exposures to cookstove air pollution in the STOVES study. *International Journal of Environmental Health Research* , **2020**, 1-14	3.6	1
7	The relationship between black carbon and polycyclic aromatic hydrocarbon exposures and mortality in Allegheny County, Pennsylvania. *Air Quality, Atmosphere and Health*, **2020**, 13, 893-908	5.6	1
6	Ultrasound Core Laboratory for the Household Air Pollution Intervention Network Trial: Standardized Training and Image Management for Field Studies Using Portable Ultrasound in Fetal, Lung, and Vascular Evaluations. *Ultrasound in Medicine and Biology*, **2021**, 47, 1506-1513	3.5	1
5	Diet, Secondhand Smoke, and Glycated Hemoglobin (HbA1c) Levels among Singapore Chinese Adults. *International Journal of Environmental Research and Public Health*, **2019**, 16,	4.6	1
4	Household air pollution from wood-burning cookstoves and C-reactive protein among women in rural Honduras.. *International Journal of Hygiene and Environmental Health*, **2022**, 241, 113949	6.9	1
3	Association between personal exposure to household air pollution and gestational blood pressure among women using solid cooking fuels in rural Tamil Nadu, India.. *Environmental Research*, **2022**, 208, 112756	7.9	0
2	Evaluating public acceptability of a potential Lyme disease vaccine using a population-based, cross-sectional survey in high incidence areas of the United States.. *Vaccine*, **2021**, 40, 298-298	4.1	0
1	Ambient air pollution during pregnancy and cardiometabolic biomarkers in cord blood.. *Environmental Epidemiology*, **2022**, 6, e203	0.2	