

# Jennifer L Peel

## List of Publications by Year in descending order

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92  
papers

3,697  
citations

147726

31  
h-index

138417

58  
g-index

96  
all docs

96  
docs citations

96  
times ranked

4466  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ambient Air Pollution and Respiratory Emergency Department Visits. <i>Epidemiology</i> , 2005, 16, 164-174.	1.2	417
2	Ambient Air Pollution and Cardiovascular Emergency Department Visits. <i>Epidemiology</i> , 2004, 15, 46-56.	1.2	275
3	Health and Household Air Pollution from Solid Fuel Use: The Need for Improved Exposure Assessment. <i>Environmental Health Perspectives</i> , 2013, 121, 1120-1128.	2.8	223
4	Ambient Coarse Particulate Matter and Human Health: A Systematic Review and Meta-Analysis. <i>Current Environmental Health Reports</i> , 2014, 1, 258-274.	3.2	176
5	Ambient Air Pollution and Cardiovascular Emergency Department Visits in Potentially Sensitive Groups. <i>American Journal of Epidemiology</i> , 2007, 165, 625-633.	1.6	150
6	The Temporal Lag Structure of Short-term Associations of Fine Particulate Matter Chemical Constituents and Cardiovascular and Respiratory Hospitalizations. <i>Environmental Health Perspectives</i> , 2012, 120, 1094-1099.	2.8	148
7	Familial, Social, and Individual Factors Contributing to Risk for Adolescent Substance Use. <i>Journal of Addiction</i> , 2013, 2013, 1-9.	0.9	133
8	Multipollutant modeling issues in a study of ambient air quality and emergency department visits in Atlanta. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2007, 17, S29-S35.	1.8	131
9	Mind the Gap. <i>Environmental Health Perspectives</i> , 2010, 118, 1643-1645.	2.8	121
10	Impact of nitrogen and climate change interactions on ambient air pollution and human health. <i>Biogeochemistry</i> , 2013, 114, 121-134.	1.7	85
11	Impact of improved cookstoves on indoor air pollution and adverse health effects among Honduran women. <i>International Journal of Environmental Health Research</i> , 2009, 19, 357-368.	1.3	81
12	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. <i>Environmental Health Perspectives</i> , 2020, 128, 47008.	2.8	72
13	Cardiopulmonary Impact of Particulate Air Pollution in High-Risk Populations. <i>Journal of the American College of Cardiology</i> , 2020, 76, 2878-2894.	1.2	68
14	The Fort Collins Commuter Study: Impact of route type and transport mode on personal exposure to multiple air pollutants. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2016, 26, 397-404.	1.8	64
15	Interim results of the study of particulates and health in Atlanta (SOPHIA). <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2000, 10, 446-460.	1.8	63
16	Exposure to household air pollution from biomass cookstoves and blood pressure among women in rural Honduras: A cross-sectional study. <i>Indoor Air</i> , 2019, 29, 130-142.	2.0	63
17	Assessing Exposure to Household Air Pollution: A Systematic Review and Pooled Analysis of Carbon Monoxide as a Surrogate Measure of Particulate Matter. <i>Environmental Health Perspectives</i> , 2017, 125, 076002.	2.8	61
18	A Laboratory Assessment of 120 Air Pollutant Emissions from Biomass and Fossil Fuel Cookstoves. <i>Environmental Science &amp; Technology</i> , 2019, 53, 7114-7125.	4.6	58

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19	The Fort Collins commuter study: Variability in personal exposure to air pollutants by microenvironment. <i>Indoor Air</i> , 2019, 29, 231-241.	2.0	50
20	Ambient Air Pollution and Cardiac Arrhythmias in Patients With Implantable Defibrillators. <i>Epidemiology</i> , 2007, 18, 585-592.	1.2	47
21	A Baseline Evaluation of Traditional Cook Stove Smoke Exposures and Indicators of Cardiovascular and Respiratory Health among Nicaraguan Women. <i>International Journal of Occupational and Environmental Health</i> , 2011, 17, 113-121.	1.2	45
22	Modeling the potential health benefits of lower household air pollution after a hypothetical liquified petroleum gas (LPG) cookstove intervention. <i>Environment International</i> , 2018, 111, 71-79.	4.8	44
23	Challenges in the diagnosis of paediatric pneumonia in intervention field trials: recommendations from a pneumonia field trial working group. <i>Lancet Respiratory Medicine</i> , 2019, 7, 1068-1083.	5.2	44
24	Effects of Instrument Precision and Spatial Variability on the Assessment of the Temporal Variation of Ambient Air Pollution in Atlanta, Georgia. <i>Journal of the Air and Waste Management Association</i> , 2006, 56, 876-888.	0.9	42
25	Positive Matrix Factorization of PM <sub>2.5</sub> : Comparison and Implications of Using Different Speciation Data Sets. <i>Environmental Science &amp; Technology</i> , 2012, 46, 11962-11970.	4.6	42
26	A Baseline Evaluation of Traditional Cook Stove Smoke Exposures and Indicators of Cardiovascular and Respiratory Health among Nicaraguan Women. <i>International Journal of Occupational and Environmental Health</i> , 2011, 17, 113-121.	1.2	41
27	Household air pollution from biomass-burning cookstoves and metabolic syndrome, blood lipid concentrations, and waist circumference in Honduran women: A cross-sectional study. <i>Environmental Research</i> , 2019, 170, 46-55.	3.7	41
28	Air Pollutant Exposure and Stove Use Assessment Methods for the Household Air Pollution Intervention Network (HAPIN) Trial. <i>Environmental Health Perspectives</i> , 2020, 128, 47009.	2.8	36
29	Relationships between indicators of cardiovascular disease and intensity of oil and natural gas activity in Northeastern Colorado. <i>Environmental Research</i> , 2019, 170, 56-64.	3.7	35
30	Positive matrix factorization of a 32-month series of daily PM <sub>2.5</sub> speciation data with incorporation of temperature stratification. <i>Atmospheric Environment</i> , 2013, 65, 11-20.	1.9	34
31	An accurate filter loading correction is essential for assessing personal exposure to black carbon using an Aethalometer. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2017, 27, 409-416.	1.8	34
32	Prenatal exposure to traffic and ambient air pollution and infant weight and adiposity: The Healthy Start study. <i>Environmental Research</i> , 2020, 182, 109130.	3.7	33
33	Measuring personal exposure to fine particulate matter (PM <sub>2.5</sub> ) among rural Honduran women: A field evaluation of the Ultrasonic Personal Aerosol Sampler (UPAS). <i>Environment International</i> , 2019, 123, 50-53.	4.8	31
34	Comparisons of urban and rural PM <sub>10</sub> and PM <sub>2.5</sub> mass concentrations and semi-volatile fractions in northeastern Colorado. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 7469-7484.	1.9	28
35	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. <i>BMJ Open</i> , 2020, 10, e037761.	0.8	28
36	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. <i>The Lancet Global Health</i> , 2020, 8, e362-e373.	2.9	28

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37	Interactions Between Diet and Exposure to Secondhand Smoke on Metabolic Syndrome Among Children: NHANES 2007-2010. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 52-58.	1.8	27
38	Association of short-term exposure to ground-level ozone and respiratory outpatient clinic visits in a rural location - Sublette County, Wyoming, 2008-2011. <i>Environmental Research</i> , 2015, 137, 1-7.	3.7	24
39	Ambient Air Pollution and Apnea and Bradycardia in High-Risk Infants on Home Monitors. <i>Environmental Health Perspectives</i> , 2011, 119, 1321-1327.	2.8	23
40	Acute Effects on Blood Pressure Following Controlled Exposure to Cookstove Air Pollution in the STOVES Study. <i>Journal of the American Heart Association</i> , 2019, 8, e012246.	1.6	23
41	Design and Rationale of the Biomarker Center of the Household Air Pollution Intervention Network (HAPIN) Trial. <i>Environmental Health Perspectives</i> , 2020, 128, 47010.	2.8	22
42	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. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12592.	1.2	22
43	Characterization and Nonparametric Regression of Rural and Urban Coarse Particulate Matter Mass Concentrations in Northeastern Colorado. <i>Aerosol Science and Technology</i> , 2012, 46, 108-123.	1.5	21
44	The short-term association of selected components of fine particulate matter and mortality in the Denver Aerosol Sources and Health (DASH) study. <i>Environmental Health</i> , 2015, 14, 49.	1.7	21
45	Tropical Cyclone Exposures and Risks of Emergency Medicare Hospital Admission for Cardiorespiratory Diseases in 175 Urban United States Counties, 1999-2010. <i>Epidemiology</i> , 2021, 32, 315-326.	1.2	21
46	Impact of improved air quality during the 1996 Summer Olympic Games in Atlanta on multiple cardiovascular and respiratory outcomes. <i>Research Report (health Effects Institute)</i> , 2010, , 3-23; discussion 25-33.	1.6	21
47	Intra-urban spatial variability of PM2.5-bound carbonaceous components. <i>Atmospheric Environment</i> , 2012, 60, 486-494.	1.9	20
48	Variation in gravimetric correction factors for nephelometer-derived estimates of personal exposure to PM2.5. <i>Environmental Pollution</i> , 2019, 250, 251-261.	3.7	20
49	Kitchen concentrations of fine particulate matter and particle number concentration in households using biomass cookstoves in rural Honduras. <i>Environmental Pollution</i> , 2020, 258, 113697.	3.7	19
50	Intra-urban spatial variability and uncertainty assessment of PM2.5 sources based on carbonaceous species. <i>Atmospheric Environment</i> , 2012, 60, 305-315.	1.9	18
51	LPG stove and fuel intervention among pregnant women reduce fine particle air pollution exposures in three countries: Pilot results from the HAPIN trial. <i>Environmental Pollution</i> , 2021, 291, 118198.	3.7	18
52	The use of bluetooth low energy Beacon systems to estimate indirect personal exposure to household air pollution. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2020, 30, 990-1000.	1.8	16
53	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. <i>Environmental Research</i> , 2020, 180, 108831.	3.7	16
54	Perspectives in Household Air Pollution Research: Who Will Benefit from Interventions?. <i>Current Environmental Health Reports</i> , 2014, 1, 250-257.	3.2	14

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55	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. <i>BMC Public Health</i> , 2020, 20, 1799.	1.2	14
56	Understanding Self-Rated Health and Unconventional Oil and Gas Development in Three Colorado Communities. <i>Society and Natural Resources</i> , 2021, 34, 60-81.	0.9	14
57	Community-wide Mortality Rates in Beijing, China, During the July 2012 Flood Compared with Unexposed Periods. <i>Epidemiology</i> , 2020, 31, 319-326.	1.2	13
58	Chemical Composition and Emissions Factors for Cookstove Startup (Ignition) Materials. <i>Environmental Science &amp; Technology</i> , 2018, 52, 9505-9513.	4.6	12
59	Comparison of next-generation portable pollution monitors to measure exposure to PM <sub>2.5</sub> from household air pollution in Puno, Peru. <i>Indoor Air</i> , 2020, 30, 445-458.	2.0	12
60	Resources and Geographic Access to Care for Severe Pediatric Pneumonia in Four Resource-limited Settings. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 183-197.	2.5	12
61	Exposure to household air pollution from biomass cookstoves and self-reported symptoms among women in rural Honduras. <i>International Journal of Environmental Health Research</i> , 2020, 30, 160-173.	1.3	11
62	Design and conduct of facility-based surveillance for severe childhood pneumonia in the Household Air Pollution Intervention Network (HAPIN) trial. <i>ERJ Open Research</i> , 2020, 6, 00308-2019.	1.1	11
63	Short-term differences in cardiac function following controlled exposure to cookstove air pollution: The subclinical tests on volunteers exposed to smoke (STOVES) study. <i>Environment International</i> , 2021, 146, 106254.	4.8	11
64	Exposure to ambient air pollution during pregnancy and inflammatory biomarkers in maternal and umbilical cord blood: The Healthy Start study. <i>Environmental Research</i> , 2021, 197, 111165.	3.7	11
65	Are Randomized Trials Necessary to Advance Epidemiologic Research on Household Air Pollution?. <i>Current Epidemiology Reports</i> , 2015, 2, 263-270.	1.1	10
66	Exposure to Household Air Pollution from Biomass Cookstoves and Levels of Fractional Exhaled Nitric Oxide (FeNO) among Honduran Women. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2544.	1.2	10
67	Acute changes in lung function following controlled exposure to cookstove air pollution in the subclinical tests of volunteers exposed to smoke (STOVES) study. <i>Inhalation Toxicology</i> , 2020, 32, 115-123.	0.8	10
68	Errors in coarse particulate matter mass concentrations and spatiotemporal characteristics when using subtraction estimation methods. <i>Journal of the Air and Waste Management Association</i> , 2013, 63, 1386-1398.	0.9	8
69	Study protocol for a stepped-wedge randomized cookstove intervention in rural Honduras: household air pollution and cardiometabolic health. <i>BMC Public Health</i> , 2019, 19, 903.	1.2	8
70	A risk assessment tool for resumption of research activities during the COVID-19 pandemic for field trials in low resource settings. <i>BMC Medical Research Methodology</i> , 2021, 21, 68.	1.4	8
71	Impact of the wood-burning Justa cookstove on fine particulate matter exposure: A stepped-wedge randomized trial in rural Honduras. <i>Science of the Total Environment</i> , 2021, 767, 144369.	3.9	8
72	Carbonyl reactive protein from dried blood spots: Application to household air pollution field studies. <i>Indoor Air</i> , 2020, 30, 24-30.	2.0	7

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73	Association between personal exposure to household air pollution and gestational blood pressure among women using solid cooking fuels in rural Tamil Nadu, India. <i>Environmental Research</i> , 2022, 208, 112756.	3.7	7
74	Effects of a Liquefied Petroleum Gas Stove Intervention on Gestational Blood Pressure: Intention-to-Treat and Exposure-Response Findings From the HAPIN Trial. <i>Hypertension</i> , 2022, 79, 1887-1898.	1.3	7
75	Comparing Multipollutant Emissions-Based Mobile Source Indicators to Other Single Pollutant and Multipollutant Indicators in Different Urban Areas. <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 11727-11752.	1.2	6
76	An expert survey on the material types used to start cookstoves. <i>Energy for Sustainable Development</i> , 2019, 48, 59-66.	2.0	6
77	Prenatal exposure to ambient air pollution and traffic and indicators of adiposity in early childhood: the Healthy Start study. <i>International Journal of Obesity</i> , 2022, 46, 494-501.	1.6	6
78	Electrochemical dithiothreitol assay for large-scale particulate matter studies. <i>Aerosol Science and Technology</i> , 2019, 53, 268-275.	1.5	5
79	Acute differences in blood lipids and inflammatory biomarkers following controlled exposures to cookstove air pollution in the STOVES study. <i>International Journal of Environmental Health Research</i> , 2020, , 1-14.	1.3	5
80	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. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 1506-1513.	0.7	4
81	Evaluating public acceptability of a potential Lyme disease vaccine using a population-based, cross-sectional survey in high incidence areas of the United States. <i>Vaccine</i> , 2022, 40, 298-305.	1.7	4
82	Ambient air pollution during pregnancy and DNA methylation in umbilical cord blood, with potential mediation of associations with infant adiposity: The Healthy Start study. <i>Environmental Research</i> , 2022, 214, 113881.	3.7	4
83	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. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1154, 122284.	1.2	3
84	Effects of household and participant characteristics on personal exposure and kitchen concentration of fine particulate matter and black carbon in rural Honduras. <i>Environmental Research</i> , 2022, 214, 113869.	3.7	3
85	Interactions Between Diet and Exposure to Secondhand Smoke on Glycated Hemoglobin Levels Among US Children: Results From NHANES 2007-2012. <i>Nicotine and Tobacco Research</i> , 2016, 19, ntw261.	1.4	2
86	Diet, Secondhand Smoke, and Glycated Hemoglobin (HbA1c) Levels among Singapore Chinese Adults. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 5148.	1.2	1
87	The relationship between black carbon and polycyclic aromatic hydrocarbon exposures and mortality in Allegheny County, Pennsylvania. <i>Air Quality, Atmosphere and Health</i> , 2020, 13, 893-908.	1.5	1
88	Ambient air pollution during pregnancy and cardiometabolic biomarkers in cord blood. <i>Environmental Epidemiology</i> , 2022, 6, e203.	1.4	1
89	Household air pollution from wood-burning cookstoves and C-reactive protein among women in rural Honduras. <i>International Journal of Hygiene and Environmental Health</i> , 2022, 241, 113949.	2.1	1
90	Ambient air pollution exposure during pregnancy and cardio-metabolic markers in cord blood: The Healthy Start study. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0

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91	Effects of an LPG stove intervention on gestational blood pressure: findings from Household Air Pollution Intervention Network randomized controlled trial. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
92	Facing the Realities of Pragmatic Design Choices in Environmental Health Studies: Experiences from the Household Air Pollution Intervention Network Trial. International Journal of Environmental Research and Public Health, 2022, 19, 3790.	1.2	0