Darby W Jack

List of Publications by Year
in descending order

72 papers	3,293 citations	147726 31 h-index	155592 55 g-index
73 all docs	73 docs citations	73 times ranked	5055 citing authors

#	Article	IF	Citations
1	Respiratory risks from household air pollution in low and middle income countries. Lancet Respiratory Medicine,the, 2014, 2, 823-860.	5.2	670
2	An analysis of efforts to scale up clean household energy for cooking around the world. Energy for Sustainable Development, 2018, 46, 1-10.	2.0	141
3	Impact of biomass fuels on pregnancy outcomes in central East India. Environmental Health, 2014, 13, 1.	1.7	111
4	Particulate matter pollution in African cities. Air Quality, Atmosphere and Health, 2013, 6, 603-614.	1.5	110
5	Everybody stacks: Lessons from household energy case studies to inform design principles for clean energy transitions. Energy Policy, 2020, 141, 111468.	4.2	109
6	Personal exposures to fine particulate matter and black carbon in households cooking with biomass fuels in rural Ghana. Environmental Research, 2013, 127, 40-48.	3.7	105
7	Assessing public health burden associated with exposure to ambient black carbon in the United States. Science of the Total Environment, 2016, 539, 515-525.	3.9	98
8	Patterns of Stove Usage after Introduction of an Advanced Cookstove: The Long-Term Application of Household Sensors. Environmental Science & Technology, 2014, 48, 14525-14533.	4.6	90
9	The influence of air quality model resolution on health impact assessment for fine particulate matter and its components. Air Quality, Atmosphere and Health, 2016, 9, 51-68.	1.5	81
10	Neighborhood Walkability and Active Travel (Walking and Cycling) in New York City. Journal of Urban Health, 2013, 90, 575-585.	1.8	77
11	Prenatal Household Air Pollution Is Associated with Impaired Infant Lung Function with Sex-Specific Effects. Evidence from GRAPHS, a Cluster Randomized Cookstove Intervention Trial. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 738-746.	2.5	77
12	Use of Google Street View to Assess Environmental Contributions to Pedestrian Injury. American Journal of Public Health, 2016, 106, 462-469.	1.5	73
13	Government policy, clean fuel access, and persistent fuel stacking in Ecuador. Energy for Sustainable Development, 2018, 46, 111-122.	2.0	71
14	Implementation Science to Accelerate Clean Cooking for Public Health. Environmental Health Perspectives, 2017, 125, A3-A7.	2.8	70
15	A Systematic Review of Innate Immunomodulatory Effects of Household Air Pollution Secondary to the Burning of Biomass Fuels. Annals of Global Health, 2018, 81, 368.	0.8	66
16	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.	2.8	61
17	Ghana randomized air pollution and health study (GRAPHS): study protocol for a randomized controlled trial. Trials, 2015, 16, 420.	0.7	59
18	Temperature, ozone, and mortality in urban and non-urban counties in the northeastern United States. Environmental Health, 2015, 14, 3.	1.7	58

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19	Ghana's rural liquefied petroleum gas program scale up: A case study. Energy for Sustainable Development, 2018, 46, 94-102.	2.0	58
20	Association of Carbon Monoxide exposure with blood pressure among pregnant women in rural Ghana: Evidence from GRAPHS. International Journal of Hygiene and Environmental Health, 2016, 219, 176-183.	2.1	52
21	Health co-benefits of climate mitigation in urban areas. Current Opinion in Environmental Sustainability, 2010, 2, 172-177.	3.1	48
22	Household Air Pollution Exposures of Pregnant Women Receiving Advanced Combustion Cookstoves in India: Implications for Intervention. Annals of Global Health, 2018, 81, 375.	0.8	48
23	Socio-economic status, neighbourhood food environments and consumption of fruits and vegetables in New York City. Public Health Nutrition, 2013, 16, 1197-1205.	1.1	47
24	Climate Change and Physical Activity: Estimated Impacts of Ambient Temperatures on Bikeshare Usage in New York City. Environmental Health Perspectives, 2019, 127, 37002.	2.8	46
25	At Odds: Concerns Raised by Using Odds Ratios for Continuous or Common Dichotomous Outcomes in Research on Physical Activity and Obesity. The Open Epidemiology Journal, 2012, 5, 13-17.	1.0	45
26	Lead exposure from soil in Peruvian mining towns: a national assessment supported by two contrasting examples. Bulletin of the World Health Organization, 2012, 90, 878-886.	1.5	42
27	Household fuel mixes in peri-urban and rural Ecuador: Explaining the context of LPG, patterns of continued firewood use, and the challenges of induction cooking. Energy Policy, 2020, 136, 111053.	4.2	42
28	More neighborhood retail associated with lower obesity among New York City public high school students. Health and Place, 2013, 23, 104-110.	1.5	40
29	Long-Term Air Pollution Exposure and COVID-19 Mortality: A Patient-Level Analysis from New York City. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 651-662.	2.5	40
30	The effect of clean cooking interventions on mother and child personal exposure to air pollution: results from the Ghana Randomized Air Pollution and Health Study (GRAPHS). Journal of Exposure Science and Environmental Epidemiology, 2021, 31, 683-698.	1.8	38
31	Measuring health-relevant businesses over 21Âyears: refining the National Establishment Time-Series (NETS), a dynamic longitudinal data set. BMC Research Notes, 2015, 8, 507.	0.6	36
32	Deliberating performance targets workshop: Potential paths for emerging PM2.5 and O3 air sensor progress. Atmospheric Environment: X, 2019, 2, 100031.	0.8	36
33	Ambulatory monitoring demonstrates an acute association between cookstove-related carbon monoxide and blood pressure in a Ghanaian cohort. Environmental Health, 2017, 16, 76.	1.7	34
34	Research Opportunities for Cancer Associated with Indoor Air Pollution from Solid-Fuel Combustion. Environmental Health Perspectives, 2012, 120, 1495-1498.	2.8	32
35	A cluster randomised trial of cookstove interventions to improve infant health in Ghana. BMJ Global Health, 2021, 6, e005599.	2.0	32
36	Prenatal Household Air Pollution Alters Cord Blood Mononuclear Cell Mitochondrial DNA Copy Number: Sex-Specific Associations. International Journal of Environmental Research and Public Health, 2019, 16, 26.	1.2	31

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37	Current respiratory symptoms and risk factors in pregnant women cooking with biomass fuels in rural Ghana. Environment International, 2019, 124, 533-540.	4.8	28
38	Examining the relationship between household air pollution and infant microbial nasal carriage in a Ghanaian cohort. Environment International, 2019, 133, 105150.	4.8	27
39	Experiences with the Mass Distribution of LPG Stoves in Rural Communities of Ghana. EcoHealth, 2018, 15, 757-767.	0.9	26
40	Gestational Age Assessment in the Ghana Randomized Air Pollution and Health Study (GRAPHS): Ultrasound Capacity Building, Fetal Biometry Protocol Development, and Ongoing Quality Control. JMIR Research Protocols, 2014, 3, e77.	0.5	25
41	Prenatal and Postnatal Household Air Pollution Exposure and Infant Growth Trajectories: Evidence from a Rural Ghanaian Pregnancy Cohort. Environmental Health Perspectives, 2021, 129, 117009.	2.8	24
42	Prenatal maternal stress and birth outcomes in rural Ghana: sex-specific associations. BMC Pregnancy and Childbirth, 2019, 19, 391.	0.9	23
43	Laboratory Validation of Hexoskin Biometric Shirt at Rest, Submaximal Exercise, and Maximal Exercise While Riding a Stationary Bicycle. Journal of Occupational and Environmental Medicine, 2019, 61, e104-e111.	0.9	23
44	Climate change and human health in cities. , 2011, , 179-214.		22
45	Do public transport investments promote urban economic development? Evidence from bus rapid transit in BogotÃ¡, Colombia. Transportation, 2014, 41, 57-74.	2.1	22
46	Determining the Enablers and Barriers for the Adoption of Clean Cookstoves in the Middle Belt of Ghanaâ€"A Qualitative Study. International Journal of Environmental Research and Public Health, 2019, 16, 1207.	1.2	21
47	A systematic review of household energy transition in low and middle income countries. Energy Research and Social Science, 2022, 86, 102463.	3.0	21
48	Prenatal household air pollutant exposure is associated with reduced size and gestational age at birth among a cohort of Ghanaian infants. Environment International, 2021, 155, 106659.	4.8	18
49	Long-standing LPG subsidies, cooking fuel stacking, and personal exposure to air pollution in rural and peri-urban Ecuador. Journal of Exposure Science and Environmental Epidemiology, 2020, 30, 707-720.	1.8	17
50	Aligning evidence generation and use across health, development, and environment. Current Opinion in Environmental Sustainability, 2019, 39, 81-93.	3.1	16
51	Prenatal and Postnatal Household Air Pollution Exposures and Pneumonia Risk. Chest, 2021, 160, 1634-1644.	0.4	14
52	Enhancing LPG adoption in GhanaÂ(ELAG): a factorial cluster-randomized controlled trial to Enhance LPG Adoption & Sustained use. BMC Public Health, 2018, 18, 689.	1.2	12
53	Prenatal Household Air Pollution Exposure, Cord Blood Mononuclear Cell Telomere Length and Age Four Blood Pressure: Evidence from a Ghanaian Pregnancy Cohort. Toxics, 2021, 9, 169.	1.6	12
54	Urinary Concentrations of Insecticide and Herbicide Metabolites among Pregnant Women in Rural Ghana: A Pilot Study. International Journal of Environmental Research and Public Health, 2017, 14, 354.	1.2	11

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55	Identification of Bicycling Periods Using the MicroPEM Personal Exposure Monitor. Sensors, 2019, 19, 4613.	2.1	11
56	Using longitudinal survey and sensor data to understand the social and ecological determinants of clean fuels use and discontinuance in rural Ghana. Environmental Research Communications, 2020, 2, 095003.	0.9	9
57	CHILDHOOD RESPIRATORY MORBIDITY AND COOKING PRACTICES AMONG HOUSEHOLDS IN A PREDOMINANTLY RURAL AREA OF GHANA. African Journal of Infectious Diseases, 2016, 10, 102-110.	0.5	8
58	Poor early childhood growth is associated with impaired lung function: Evidence from a Ghanaian pregnancy cohort. Pediatric Pulmonology, 2022, 57, 2136-2146.	1.0	7
59	Pesticide exposures in a malarious and predominantly farming area in Central Ghana. African Journal of Environmental Science and Technology, 2015, 9, 655-661.	0.2	5
60	Prediction of personal exposure to PM2.5 in mother-child pairs in rural Ghana. Journal of Exposure Science and Environmental Epidemiology, 2022, 32, 629-636.	1.8	5
61	Methods for Evaluating Environmental Health Impacts at Different Stages of the Policy Process in Cities. Current Environmental Health Reports, 2022, 9, 183-195.	3.2	4
62	Enhancing LPG Adoption in Ghana (ELAG): A Trial Testing Policy-Relevant Interventions to Increase Sustained Use of Clean Fuels. Sustainability, 2021, 13, 2213.	1.6	2
63	The Conundrum of Cleaner Cookstove Interventions: Necessary but Insufficient?. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 1336-1338.	2.5	2
64	Infant Nasopharyngeal Microbiota Subphenotypes and Early Childhood Lung Function: Evidence from a Rural Ghanaian Pregnancy Cohort. International Journal of Environmental Research and Public Health, 2021, 18, 7276.	1.2	2
65	Examining the Relationship between Household Air Pollution and Infant Nasal Carriage. ISEE Conference Abstracts, 2018, 2018, .	0.0	1
66	Time Use Implication of Clean Cookstoves in Rural Settings in Ghana: A Time Use Study. International Journal of Environmental Research and Public Health, 2021, 18, 166.	1.2	1
67	Estimation of long-term exposure to PM2.5 based on short-term personal measurements in mother-child pairs in rural Ghana. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
68	Household air pollution and personal CO:PM2.5 relationships during cooking in the GRAPHS cohort: important covariates include wearing compliance. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
69	Association between prenatal and early life household air pollution exposure and child lung function in rural Ghana. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
70	Integrating monitor wearing to estimate household air pollution exposure parameters in the Ghana Randomized Air Pollution and Health Study (GRAPHS). ISEE Conference Abstracts, 2021, 2021, .	0.0	0
71	An international application of the city-wide mobile noise mapping methodology: Retro-active traffic attribution on a bicycle commuters health study in New York City. , 2019, 2019, 3265-3276.		0
72	Characterizing sleepâ€“wake patterns in mothers and children in an agrarian community: results from the Ghana Randomized Air Pollution and Health Study. Sleep, 2022, 45, .	0.6	0