

Michael A Johnson

List of Publications by Year in descending order

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49
papers

2,289
citations

218592

26
h-index

223716

46
g-index

51
all docs

51
docs citations

51
times ranked

2216
citing authors

#	ARTICLE	IF	CITATIONS
1	In-field greenhouse gas emissions from cookstoves in rural Mexican households. <i>Atmospheric Environment</i> , 2008, 42, 1206-1222.	1.9	173
2	Household Light Makes Global Heat: High Black Carbon Emissions From Kerosene Wick Lamps. <i>Environmental Science & Technology</i> , 2012, 46, 13531-13538.	4.6	134
3	Quantitative Guidance for Stove Usage and Performance to Achieve Health and Environmental Targets. <i>Environmental Health Perspectives</i> , 2015, 123, 820-826.	2.8	123
4	Impact of Patsari improved cookstoves on indoor air quality in Michoacán, Mexico. <i>Energy for Sustainable Development</i> , 2007, 11, 45-56.	2.0	116
5	Reduction in personal exposures to particulate matter and carbon monoxide as a result of the installation of a Patsari improved cook stove in Michoacan Mexico. <i>Indoor Air</i> , 2008, 18, 93-105.	2.0	112
6	Beyond fuelwood savings: Valuing the economic benefits of introducing improved biomass cookstoves in the Pur�pecha region of Mexico. <i>Ecological Economics</i> , 2010, 69, 2598-2605.	2.9	108
7	A low-cost particle counter as a realtime fine-particle mass monitor. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 433-439.	1.7	100
8	Assessing the Impact of Water Filters and Improved Cook Stoves on Drinking Water Quality and Household Air Pollution: A Randomised Controlled Trial in Rwanda. <i>PLoS ONE</i> , 2014, 9, e91011.	1.1	91
9	The impact of improved wood-burning stoves on fine particulate matter concentrations in rural Mexican homes. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2007, 17, 224-232.	1.8	87
10	Quantification of Carbon Savings from Improved Biomass Cookstove Projects. <i>Environmental Science & Technology</i> , 2009, 43, 2456-2462.	4.6	85
11	Modeling indoor air pollution from cookstove emissions in developing countries using a Monte Carlo single-box model. <i>Atmospheric Environment</i> , 2011, 45, 3237-3243.	1.9	84
12	New Approaches to Performance Testing of Improved Cookstoves. <i>Environmental Science & Technology</i> , 2010, 44, 368-374.	4.6	78
13	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
14	Black carbon cookstove emissions: A field assessment of 19 stove/fuel combinations. <i>Atmospheric Environment</i> , 2017, 169, 140-149.	1.9	70
15	An inexpensive light-scattering particle monitor: field validation. <i>Journal of Environmental Monitoring</i> , 2007, 9, 1099.	2.1	59
16	Indoor particle size distributions in homes with open fires and improved Patsari cook stoves. <i>Atmospheric Environment</i> , 2010, 44, 2881-2886.	1.9	58
17	Promoting Smoke-Free Homes: A Novel Behavioral Intervention Using Real-Time Audio-Visual Feedback on Airborne Particle Levels. <i>PLoS ONE</i> , 2013, 8, e73251.	1.1	52
18	Field measurements of solid-fuel cookstove emissions from uncontrolled cooking in China, Honduras, Uganda, and India. <i>Atmospheric Environment</i> , 2018, 190, 116-125.	1.9	52

#	ARTICLE	IF	CITATIONS
19	Maximizing the benefits of improved cookstoves: moving from acquisition to correct and consistent use. <i>Global Health, Science and Practice</i> , 2014, 2, 268-274.	0.6	47
20	Are cleaner cooking solutions clean enough? A systematic review and meta-analysis of particulate and carbon monoxide concentrations and exposures. <i>Environmental Research Letters</i> , 2021, 16, 083002.	2.2	43
21	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
22	Small, Smart, Fast, and Cheap: Microchip-Based Sensors to Estimate Air Pollution Exposures in Rural Households. <i>Sensors</i> , 2017, 17, 1879.	2.1	35
23	Fugitive Emissions and Health Implications of Plancha-Type Stoves. <i>Environmental Science & Technology</i> , 2018, 52, 10848-10855.	4.6	34
24	Impacts on household fuel consumption from biomass stove programs in India, Nepal, and Peru. <i>Energy for Sustainable Development</i> , 2013, 17, 403-411.	2.0	31
25	Measuring personal exposure to fine particulate matter (PM _{2.5}) 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
26	Improved stove programs need robust methods to estimate carbon offsets. <i>Climatic Change</i> , 2010, 102, 641-649.	1.7	29
27	Evaluation of Behavior Change Communication Campaigns to Promote Modern Cookstove Purchase and Use in Lower Middle Income Countries. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 11.	1.2	28
28	In-Home Emissions Performance of Cookstoves in Asia and Africa. <i>Atmosphere</i> , 2019, 10, 290.	1.0	25
29	Seasonal fuel consumption, stoves, and end-uses in rural households of the far-western development region of Nepal. <i>Environmental Research Letters</i> , 2017, 12, 125011.	2.2	23
30	The Firepower Sweep Test: A novel approach to cookstove laboratory testing. <i>Indoor Air</i> , 2018, 28, 936-949.	2.0	23
31	Factors Influencing the Acquisition and Correct and Consistent Use of the Top-Lit Updraft Cookstove in Uganda. <i>Journal of Health Communication</i> , 2015, 20, 76-83.	1.2	21
32	Application of Real-time Particle Sensors to Help Mitigate Exposures of Wildland Firefighters. <i>Archives of Environmental and Occupational Health</i> , 2005, 60, 40-43.	0.7	20
33	Building a consumer market for ethanol-methanol cooking fuel in Lagos, Nigeria. <i>Energy for Sustainable Development</i> , 2018, 46, 65-70.	2.0	19
34	Impacts of household energy programs on fuel consumption in Benin, Uganda, and India. <i>Energy for Sustainable Development</i> , 2015, 27, 168-173.	2.0	18
35	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
36	Quantitative Stove Use and Ventilation Guidance for Behavior Change Strategies. <i>Journal of Health Communication</i> , 2015, 20, 6-9.	1.2	17

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37	Using personal exposure measurements of particulate matter to estimate health impacts associated with cooking in peri-urban Accra, Ghana. <i>Energy for Sustainable Development</i> , 2018, 45, 190-197.	2.0	17
38	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
39	Modeling approaches and performance for estimating personal exposure to household air pollution: A case study in Kenya. <i>Indoor Air</i> , 2021, 31, 1441-1457.	2.0	15
40	Prevalent degradation and patterns of use, maintenance, repair, and access to post-acquisition services for biomass stoves in Peru. <i>Energy for Sustainable Development</i> , 2018, 45, 79-87.	2.0	14
41	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
42	Comparison of next-generation portable pollution monitors to measure exposure to PM _{2.5} from household air pollution in Puno, Peru. <i>Indoor Air</i> , 2020, 30, 445-458.	2.0	12
43	Aerosol Optical Properties and Climate Implications of Emissions from Traditional and Improved Cookstoves. <i>Environmental Science & Technology</i> , 2018, 52, 13647-13656.	4.6	9
44	Lumbar Spinal Stenosis and Lower Extremity Motor Control: The Impact of Walking-Induced Strain on a Performance-Based Outcome Measure. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2014, 37, 602-609.	0.4	7
45	Comparing regional stove usage patterns and using those patterns to model indoor air quality impacts. <i>Indoor Air</i> , 2020, 30, 521-533.	2.0	7
46	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
47	The Shamba Chef Educational Entertainment Program to Promote Modern Cookstoves in Kenya: Outcomes and Dose-Response Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 162.	1.2	6
48	Evaluating the Effects of Access to Air Quality Data on Household Air Pollution and Exposure: An Interrupted Time Series Experimental Study in Rwanda. <i>Sustainability</i> , 2021, 13, 11523.	1.6	6
49	Exposures to PM _{2.5} Associated with LPG Stove and Fuel Interventions in Four Countries: Pilot Results from the HAPIN Trial. <i>ISEE Conference Abstracts</i> , 2018, 2018, .	0.0	4