

# John Volckens

## List of Publications by Year in descending order

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152  
papers

5,019  
citations

101535

36  
h-index

110368

64  
g-index

168  
all docs

168  
docs citations

168  
times ranked

5639  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multilayer Paper-Based Device for Colorimetric and Electrochemical Quantification of Metals. <i>Analytical Chemistry</i> , 2014, 86, 3555-3562.	6.5	288
2	Simple, distance-based measurement for paper analytical devices. <i>Lab on A Chip</i> , 2013, 13, 2397.	6.0	281
3	Microfluidic Paper-Based Analytical Device for Particulate Metals. <i>Analytical Chemistry</i> , 2012, 84, 4474-4480.	6.5	270
4	Sensitive electrochemical sensor using a graphene-polyaniline nanocomposite for simultaneous detection of Zn(II), Cd(II), and Pb(II). <i>Analytica Chimica Acta</i> , 2015, 874, 40-48.	5.4	260
5	Paper-based analytical devices for environmental analysis. <i>Analyst, The</i> , 2016, 141, 1874-1887.	3.5	238
6	Multiplexed paper analytical device for quantification of metals using distance-based detection. <i>Lab on A Chip</i> , 2015, 15, 2808-2818.	6.0	208
7	Comparison of wildfire smoke estimation methods and associations with cardiopulmonary-related hospital admissions. <i>GeoHealth</i> , 2017, 1, 122-136.	4.0	113
8	Counting and particle transmission efficiency of the aerodynamic particle sizer. <i>Journal of Aerosol Science</i> , 2005, 36, 1400-1408.	3.8	106
9	A microfluidic paper-based analytical device for rapid quantification of particulate chromium. <i>Analytica Chimica Acta</i> , 2013, 800, 50-55.	5.4	95
10	Rapid flow in multilayer microfluidic paper-based analytical devices. <i>Lab on A Chip</i> , 2018, 18, 793-802.	6.0	95
11	Laboratory evaluation of low-cost PurpleAir PM monitors and in-field correction using co-located portable filter samplers. <i>Atmospheric Environment</i> , 2020, 220, 117067.	4.1	95
12	Microfluidic Paper-Based Analytical Device for Aerosol Oxidative Activity. <i>Environmental Science &amp; Technology</i> , 2013, 47, 932-940.	10.0	77
13	Microfluidic Electrochemical Sensor for On-Line Monitoring of Aerosol Oxidative Activity. <i>Journal of the American Chemical Society</i> , 2012, 134, 10562-10568.	13.7	73
14	Direct Particle-to-Cell Deposition of Coarse Ambient Particulate Matter Increases the Production of Inflammatory Mediators from Cultured Human Airway Epithelial Cells. <i>Environmental Science &amp; Technology</i> , 2009, 43, 4595-4599.	10.0	68
15	Development and evaluation of an ultrasonic personal aerosol sampler. <i>Indoor Air</i> , 2017, 27, 409-416.	4.3	68
16	Solid-Phase Extraction Coupled to a Paper-Based Technique for Trace Copper Detection in Drinking Water. <i>Environmental Science &amp; Technology</i> , 2018, 52, 3567-3573.	10.0	68
17	Impact of a cleaner-burning cookstove intervention on blood pressure in Nicaraguan women. <i>Indoor Air</i> , 2013, 23, 105-114.	4.3	66
18	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.	3.9	64

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19	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.	4.3	63
20	Uncertainties in global aerosols and climate effects due to biofuel emissions. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 8577-8596.	4.9	62
21	Determination of aerosol oxidative activity using silver nanoparticle aggregation on paper-based analytical devices. <i>Analyst</i> , 2013, 138, 6766.	3.5	59
22	A Laboratory Assessment of 120 Air Pollutant Emissions from Biomass and Fossil Fuel Cookstoves. <i>Environmental Science &amp; Technology</i> , 2019, 53, 7114-7125.	10.0	58
23	Airborne Transmission of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2): What We Know. <i>Clinical Infectious Diseases</i> , 2021, 73, 1924-1926.	5.8	55
24	Field measurements of solid-fuel cookstove emissions from uncontrolled cooking in China, Honduras, Uganda, and India. <i>Atmospheric Environment</i> , 2018, 190, 116-125.	4.1	52
25	Effects of aerosol type and simulated aging on performance of low-cost PM sensors. <i>Journal of Aerosol Science</i> , 2020, 150, 105654.	3.8	52
26	The Fort Collins commuter study: Variability in personal exposure to air pollutants by microenvironment. <i>Indoor Air</i> , 2019, 29, 231-241.	4.3	50
27	Oxidative Stress and Aromatic Hydrocarbon Response of Human Bronchial Epithelial Cells Exposed to Petro- or Biodiesel Exhaust Treated with a Diesel Particulate Filter. <i>Toxicological Sciences</i> , 2014, 141, 505-514.	3.1	47
28	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
29	Development of a method for personal, spatiotemporal exposure assessment. <i>Journal of Environmental Monitoring</i> , 2009, 11, 1331.	2.1	43
30	Influence of stove type and cooking pot temperature on particulate matter emissions from biomass cook stoves. <i>Energy for Sustainable Development</i> , 2012, 16, 448-455.	4.5	43
31	Proinflammatory effects of cookstove emissions on human bronchial epithelial cells. <i>Indoor Air</i> , 2013, 23, 4-13.	4.3	42
32	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
33	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.	7.5	41
34	Janus Electrochemical Paper-Based Analytical Devices for Metals Detection in Aerosol Samples. <i>Analytical Chemistry</i> , 2020, 92, 1439-1446.	6.5	40
35	Linking Load, Fuel, and Emission Controls to Photochemical Production of Secondary Organic Aerosol from a Diesel Engine. <i>Environmental Science &amp; Technology</i> , 2017, 51, 1377-1386.	10.0	38
36	AgNP/Bi/Nafion-modified Disposable Electrodes for Sensitive Zn(II), Cd(II), and Pb(II) Detection in Aerosol Samples. <i>Electroanalysis</i> , 2017, 29, 880-889.	2.9	37

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37	The association between wildfire smoke exposure and asthma-specific medical care utilization in Oregon during the 2013 wildfire season. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2020, 30, 618-628.	3.9	37
38	Ambient Particulate Matter Size Distributions Drive Regional and Global Variability in Particle Deposition in the Respiratory Tract. <i>GeoHealth</i> , 2018, 2, 298-312.	4.0	36
39	Comparison of methods for measuring gas-particle partitioning of semivolatile compounds. <i>Atmospheric Environment</i> , 2003, 37, 3177-3188.	4.1	35
40	Effects of sampling bias on gas-particle partitioning of semi-volatile compounds. <i>Atmospheric Environment</i> , 2003, 37, 3385-3393.	4.1	35
41	Within-microenvironment exposure to particulate matter and health effects in children with asthma: a pilot study utilizing real-time personal monitoring with GPS interface. <i>Environmental Health</i> , 2016, 15, 96.	4.0	35
42	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.	3.9	34
43	Quantifying the Contribution to Uncertainty in Mortality Attributed to Household, Ambient, and Joint Exposure to PM <sub>2.5</sub> From Residential Solid Fuel Use. <i>GeoHealth</i> , 2018, 2, 25-39.	4.0	34
44	Exposure to household air pollution from biomass-burning cookstoves and HbA1c and diabetic status among Honduran women. <i>Indoor Air</i> , 2018, 28, 768-776.	4.3	34
45	A low-cost particulate matter (PM <sub>2.5</sub> ) monitor for wildland fire smoke. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 1087-1097.	3.1	33
46	Biodiesel effects on particulate radiocarbon ( <sup>14</sup> C) emissions from a diesel engine. <i>Journal of Aerosol Science</i> , 2008, 39, 667-678.	3.8	32
47	Technical Note: Performance of a Personal Electrostatic Precipitator Particle Sampler. <i>Aerosol Science and Technology</i> , 2002, 36, 162-165.	3.1	30
48	Oil Mist Concentration: A Comparison of Sampling Methods. <i>AIHA Journal</i> , 1999, 60, 684-689.	0.4	29
49	Measurement of Gaseous and Particulate Emissions from Algae-Based Fatty Acid Methyl Esters. <i>SAE International Journal of Fuels and Lubricants</i> , 0, 3, 292-321.	0.2	28
50	A Personal, Thermophoretic Sampler for Airborne Nanoparticles. <i>Aerosol Science and Technology</i> , 2011, 45, 744-750.	3.1	28
51	Size, Composition, and Source Profiles of Inhalable Bioaerosols from Colorado Dairies. <i>Environmental Science &amp; Technology</i> , 2017, 51, 6430-6440.	10.0	28
52	Quantifying the Health Benefits of Face Masks and Respirators to Mitigate Exposure to Severe Air Pollution. <i>GeoHealth</i> , 2021, 5, e2021GH000482.	4.0	28
53	Design and testing of a low-cost sensor and sampling platform for indoor air quality. <i>Building and Environment</i> , 2021, 206, 108398.	6.9	26
54	Respiratory Aerosol Emissions from Vocalization: Age and Sex Differences Are Explained by Volume and Exhaled CO <sub>2</sub> . <i>Environmental Science and Technology Letters</i> , 2021, 8, 1071-1076.	8.7	26

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55	Partitioning Theory for Respiratory Deposition of Semivolatile Aerosols. <i>Annals of Occupational Hygiene</i> , 2003, 47, 157-64.	1.9	25
56	Carbonaceous species emitted from handheld two-stroke engines. <i>Atmospheric Environment</i> , 2008, 42, 1239-1248.	4.1	25
57	Low-cost reusable sensor for cobalt and nickel detection in aerosols using adsorptive cathodic square-wave stripping voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 2017, 805, 75-82.	3.8	25
58	Air Pollution Monitoring for Health Research and Patient Care. An Official American Thoracic Society Workshop Report. <i>Annals of the American Thoracic Society</i> , 2019, 16, 1207-1214.	3.2	25
59	Oil Mist Concentration: A Comparison of Sampling Methods. <i>AIHA Journal</i> , 1999, 60, 684-689.	0.4	25
60	Rapid Detection of Transition Metals in Welding Fumes Using Paper-Based Analytical Devices. <i>Annals of Occupational Hygiene</i> , 2014, 58, 413-23.	1.9	24
61	Quantitative Protection Factors for Common Masks and Face Coverings. <i>Environmental Science &amp; Technology</i> , 2021, 55, 3136-3143.	10.0	24
62	Development of a Transfer Function for a Personal, Thermophoretic Nanoparticle Sampler. <i>Aerosol Science and Technology</i> , 2014, 48, 81-89.	3.1	23
63	Laboratory Evaluation of a Microfluidic Electrochemical Sensor for Aerosol Oxidative Load. <i>Aerosol Science and Technology</i> , 2014, 48, 489-497.	3.1	23
64	Differential Response of Human Nasal and Bronchial Epithelial Cells Upon Exposure to Size-Fractionated Dairy Dust. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2015, 78, 583-594.	2.3	23
65	Murine precision-cut lung slices exhibit acute responses following exposure to gasoline direct injection engine emissions. <i>Science of the Total Environment</i> , 2016, 568, 1102-1109.	8.0	23
66	The Firepower Sweep Test: A novel approach to cookstove laboratory testing. <i>Indoor Air</i> , 2018, 28, 936-949.	4.3	23
67	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.	3.7	23
68	Electrostatic Sampler for Semivolatile Aerosols:Â Chemical Artifacts. <i>Environmental Science &amp; Technology</i> , 2002, 36, 4608-4612.	10.0	22
69	Emissions profile from new and in-use handheld, 2-stroke engines. <i>Atmospheric Environment</i> , 2007, 41, 640-649.	4.1	22
70	Paper-based microfluidics for experimental design: screening masking agents for simultaneous determination of Mn( <sup>ii</sup> ) and Co( <sup>ii</sup> ). <i>Analytical Methods</i> , 2017, 9, 534-540.	2.7	22
71	Filter and Electrostatic Samplers for Semivolatile Aerosols:Â Physical Artifacts. <i>Environmental Science &amp; Technology</i> , 2002, 36, 4613-4617.	10.0	21
72	Personal Exposure to PM <sub>2.5</sub> Black Carbon and Aerosol Oxidative Potential using an Automated Microenvironmental Aerosol Sampler (AMAS). <i>Environmental Science &amp; Technology</i> , 2018, 52, 11267-11275.	10.0	21

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73	Design and evaluation of a portable PM <sub>2.5</sub> monitor featuring a low-cost sensor in line with an active filter sampler. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 1403-1415.	3.5	21
74	Time course of bronchial cell inflammation following exposure to diesel particulate matter using a modified EAVES. <i>Toxicology in Vitro</i> , 2014, 28, 829-837.	2.4	20
75	Variation in gravimetric correction factors for nephelometer-derived estimates of personal exposure to PM <sub>2.5</sub> . <i>Environmental Pollution</i> , 2019, 250, 251-261.	7.5	20
76	Prospects and Pitfalls of Occupational Hazard Mapping: "Between These Lines There Be Dragons". <i>Annals of Occupational Hygiene</i> , 2011, 55, 829-40.	1.9	19
77	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.	7.5	19
78	Effects of operational mode on particle size and number emissions from a biomass gasifier cookstove. <i>Aerosol Science and Technology</i> , 2018, 52, 87-97.	3.1	18
79	Modeling Evaporative Loss of Oil Mist Collected by Sampling Filters. <i>Journal of Occupational and Environmental Hygiene</i> , 2000, 15, 90-96.	0.4	17
80	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.	7.5	16
81	Mist Concentration Measurements II: Laboratory and Field Evaluations. <i>Journal of Occupational and Environmental Hygiene</i> , 2000, 15, 370-379.	0.4	15
82	Solid versus Liquid Particle Sampling Efficiency of Three Personal Aerosol Samplers when Facing the Wind. <i>Annals of Occupational Hygiene</i> , 2012, 56, 194-206.	1.9	15
83	Secondary organic aerosol formation from evaporated biofuels: comparison to gasoline and correction for vapor wall losses. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 1461-1474.	3.5	15
84	Evaluation of the pDR-1200 Real-Time Aerosol Monitor. <i>Journal of Occupational and Environmental Hygiene</i> , 2008, 5, 353-359.	1.0	14
85	Effects of Fuel Moisture Content on Emissions from a Rocket-Elbow Cookstove. <i>Environmental Science &amp; Technology</i> , 2019, 53, 4648-4656.	10.0	14
86	SARS-CoV-2 indoor air transmission is a threat that can be addressed with science. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	14
87	Flexible low-cost system for small animal aerosol inhalation exposure to drugs, proteins, inflammatory agents, and infectious agents. <i>BioTechniques</i> , 2009, 46, Piii-Pviii.	1.8	13
88	Development of a Sampler for Total Aerosol Deposition in the Human Respiratory Tract. <i>Annals of Occupational Hygiene</i> , 2009, 53, 731-738.	1.9	13
89	An improved model for particle deposition in porous foams. <i>Journal of Aerosol Science</i> , 2009, 40, 563-572.	3.8	13
90	Development of a Sampler to Estimate Regional Deposition of Aerosol in the Human Respiratory Tract. <i>Annals of Occupational Hygiene</i> , 2013, 57, 1138-47.	1.9	13

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91	A quantitative model of cookstove variability and field performance: Implications for sample size. <i>Biomass and Bioenergy</i> , 2015, 72, 233-241.	5.7	13
92	Effects of Data Sparsity and Spatiotemporal Variability on Hazard Maps of Workplace Noise. <i>Journal of Occupational and Environmental Hygiene</i> , 2015, 12, 256-265.	1.0	12
93	Chemical Composition and Emissions Factors for Cookstove Startup (Ignition) Materials. <i>Environmental Science &amp; Technology</i> , 2018, 52, 9505-9513.	10.0	12
94	A low-cost monitor for simultaneous measurement of fine particulate matter and aerosol optical depth – Part 1: Specifications and testing. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 5431-5441.	3.1	12
95	A low-cost monitor for measurement of fine particulate matter and aerosol optical depth – Part 2: Citizen-science pilot campaign in northern Colorado. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 6385-6399.	3.1	12
96	Variability of aerosol mass and number concentrations during taconite mining operations. <i>Journal of Occupational and Environmental Hygiene</i> , 2020, 17, 1-14.	1.0	12
97	A Simple and Disposable Sampler for Inhalable Aerosol. <i>Annals of Occupational Hygiene</i> , 2016, 60, 150-160.	1.9	11
98	Development and validation of models to predict personal ventilation rate for air pollution research. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2019, 29, 568-577.	3.9	11
99	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.	2.7	11
100	Measuring and modeling the primary organic aerosol volatility from a modern non-road diesel engine. <i>Atmospheric Environment</i> , 2020, 223, 117221.	4.1	11
101	High-throughput, semi-automated dithiothreitol (DTT) assays for oxidative potential of fine particulate matter. <i>Atmospheric Environment</i> , 2020, 222, 117132.	4.1	11
102	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.	10.0	11
103	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.	2.6	10
104	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.	1.6	10
105	Aerosol Optical Properties and Climate Implications of Emissions from Traditional and Improved Cookstoves. <i>Environmental Science &amp; Technology</i> , 2018, 52, 13647-13656.	10.0	9
106	Dynamic classification of personal microenvironments using a suite of wearable, low-cost sensors. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2020, 30, 962-970.	3.9	9
107	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.	2.9	8
108	The Relationship Between MAIAC Smoke Plume Heights and Surface PM. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088949.	4.0	8

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109	Design and performance of UPAS inlets for respirable and thoracic mass sampling. <i>Journal of Occupational and Environmental Hygiene</i> , 2020, 17, 274-282.	1.0	8
110	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.	8.0	8
111	Design and Computational Fluid Dynamics Investigation of a Personal, High Flow Inhalable Sampler. <i>Annals of Occupational Hygiene</i> , 2010, 54, 427-42.	1.9	7
112	Short-term markers of DNA damage among roofers who work with hot asphalt. <i>Environmental Health</i> , 2016, 15, 99.	4.0	7
113	Carbonyl reactive protein from dried blood spots: Application to household air pollution field studies. <i>Indoor Air</i> , 2020, 30, 24-30.	4.3	7
114	Comparing regional stove usage patterns and using those patterns to model indoor air quality impacts. <i>Indoor Air</i> , 2020, 30, 521-533.	4.3	7
115	A High-throughput, Robotic System for Analysis of Aerosol Sampling Filters. <i>Aerosol and Air Quality Research</i> , 2021, 21, 210037.	2.1	7
116	Sampling efficiency of modified 37-mm sampling cassettes using computational fluid dynamics. <i>Journal of Occupational and Environmental Hygiene</i> , 2016, 13, 148-158.	1.0	6
117	An expert survey on the material types used to start cookstoves. <i>Energy for Sustainable Development</i> , 2019, 48, 59-66.	4.5	6
118	Characterization of Particulate Matter Emissions From a Four-Stroke, Lean-Burn, Natural Gas Engine. <i>Journal of Engineering for Gas Turbines and Power</i> , 2008, 130, .	1.1	5
119	A Rotating Bluff-Body Disc for Reduced Variability in Wind Tunnel Aerosol Studies. <i>Annals of Occupational Hygiene</i> , 2011, 55, 86-96.	1.9	5
120	Nanoscale aerovirology: An efficient yet simple method to analyze the viral distribution of single bioaerosols. <i>Aerosol Science and Technology</i> , 2016, 50, 732-739.	3.1	5
121	Performance of prototype high-flow inhalable dust sampler in a livestock production facility. <i>Journal of Occupational and Environmental Hygiene</i> , 2017, 14, 313-322.	1.0	5
122	Electrochemical dithiothreitol assay for large-scale particulate matter studies. <i>Aerosol Science and Technology</i> , 2019, 53, 268-275.	3.1	5
123	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.	2.7	5
124	Control Methods for Mineral Oil Mists. <i>Journal of Occupational and Environmental Hygiene</i> , 2003, 18, 883-889.	0.4	4
125	Absence of <sup>14</sup> C in PM <sub>2.5</sub> Emissions from Gasohol Combustion in Small Engines. <i>Aerosol Science and Technology</i> , 2006, 40, 657-663.	3.1	4
126	Performance evaluation of disposable inhalable aerosol sampler at a copper electrorefinery. <i>Journal of Occupational and Environmental Hygiene</i> , 2019, 16, 250-257.	1.0	4



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127	Emissions and radiative impacts of sub-10µm particles from biofuel and fossil fuel cookstoves. <i>Aerosol Science and Technology</i> , 2020, 54, 1231-1243.	3.1	4
128	An Aerosol Generation System for the Production of Respirable Grain Dust. <i>Journal of Occupational and Environmental Hygiene</i> , 1998, 13, 122-126.	0.4	3
129	Novel Instrument to Separate Large Inhalable Particles. <i>Aerosol Science and Technology</i> , 2015, 49, 1195-1209.	3.1	3
130	Assessment of increased sampling pump flow rates in a disposable, inhalable aerosol sampler. <i>Journal of Occupational and Environmental Hygiene</i> , 2017, 14, 207-213.	1.0	3
131	Aerosol emissions from wind instruments: effects of performer age, sex, sound pressure level, and bell covers. <i>Scientific Reports</i> , 2022, 12, .	3.3	3
132	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.	7.5	3
133	A method for the improved detection of aerosolized influenza viruses and the male-specific (F+) RNA coliphage MS2. <i>Journal of Virological Methods</i> , 2017, 246, 38-41.	2.1	2
134	The power of the crowd: Prospects and pitfalls for citizen science in occupational health. <i>Journal of Occupational and Environmental Hygiene</i> , 2019, 16, 191-198.	1.0	2
135	Bayesian nonparametric monotone regression. <i>Environmetrics</i> , 2020, 31, e2642.	1.4	2
136	Envisioning ARPA-E: A Transdisciplinary Institution for Radical Climate Research and Intervention. <i>Earth's Future</i> , 2021, 9, e2021EF002115.	6.3	2
137	A low-cost monitor for simultaneous measurement of fine particulate matter and aerosol optical depth – Part 3: Automation and design improvements. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 6023-6038.	3.1	2
138	A direct-reading particle sizer with elemental composition analysis for large inhalable particles. <i>Aerosol Science and Technology</i> , 0, , 1-11.	3.1	2
139	Reduced Black Carbon Concentrations following a Three-Year Stepped-Wedge Randomized Trial of the Wood-Burning <i>Justa</i> Cookstove in Rural Honduras. <i>Environmental Science and Technology Letters</i> , 2022, 9, 538-542.	8.7	2
140	Aerosol Size Distribution in the Schwartzwalder Uranium Mine. <i>Health Physics</i> , 2014, 106, S20-S24.	0.5	1
141	Detection of Viruses from Bioaerosols Using Anion Exchange Resin. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	1
142	Emerging investigator series: oxidative potential of diesel exhaust particles: role of fuel, engine load, and emissions control. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 819-830.	3.5	1
143	Field Evaluation of the Ultrasonic Personal Aerosol Sampler (UPAS) for Respirable Dust Exposure in a Taconite Mine. <i>Annals of Work Exposures and Health</i> , 2021, 65, 127-135.	1.4	1
144	Can Modifications Make Electric Pressure Cookers –Minigrid Friendly? –™. , 2020, , .		1

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145	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.	4.3	1
146	Response to Comment on "Electrostatic Sampler for Semivolatile Aerosols: Chemical Artifacts" and "Filter and Electrostatic Samplers for Semivolatile Aerosols: Physical Artifacts". <i>Environmental Science &amp; Technology</i> , 2003, 37, 2023-2023.	10.0	0
147	Direct, Air-to-Cell Deposition of Coarse Particulate Matter Increases the Inflammatory Response In Vitro. , 2009, , .		0
148	An Adaptive Green Zone Strategy for Hybrid Electric Vehicle Control. , 2018, , .		0
149	AIHce Education Sessions. <i>The Synergist / American Industrial Hygiene Association</i> , 2007, 18, 50.	1.0	0
150	Characterization of Particulate Matter Emissions From a 4-Stroke, Lean-Burn, Natural Gas Engine. , 2007, , .		0
151	Health Endpoints Assessed During the Baseline Year of an Improved Cookstove Intervention Among Nicaraguan Women. <i>Epidemiology</i> , 2009, 20, S216-S217.	2.7	0
152	Infinite Hidden Markov Models for Multiple Multivariate Time Series with Missing Data. <i>Biometrics</i> , 2023, 79, 2592-2604.	1.4	0