

John Volckens

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

140
papers

3,750
citations

30
h-index

55
g-index

168
ext. papers

4,391
ext. citations

5.7
avg, IF

5.69
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 140 | Multilayer paper-based device for colorimetric and electrochemical quantification of metals. <i>Analytical Chemistry</i> , 2014 , 86, 3555-62 | 7.8 | 256 |
| 139 | Microfluidic paper-based analytical device for particulate metals. <i>Analytical Chemistry</i> , 2012 , 84, 4474-80 | 7.8 | 241 |
| 138 | Simple, distance-based measurement for paper analytical devices. <i>Lab on A Chip</i> , 2013 , 13, 2397-404 | 7.2 | 237 |
| 137 | Paper-based analytical devices for environmental analysis. <i>Analyst, The</i> , 2016 , 141, 1874-87 | 5 | 200 |
| 136 | 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, 40-8 | 6.6 | 194 |
| 135 | Multiplexed paper analytical device for quantification of metals using distance-based detection. <i>Lab on A Chip</i> , 2015 , 15, 2808-18 | 7.2 | 170 |
| 134 | Counting and particle transmission efficiency of the aerodynamic particle sizer. <i>Journal of Aerosol Science</i> , 2005 , 36, 1400-1408 | 4.3 | 87 |
| 133 | A microfluidic paper-based analytical device for rapid quantification of particulate chromium. <i>Analytica Chimica Acta</i> , 2013 , 800, 50-5 | 6.6 | 83 |
| 132 | Microfluidic paper-based analytical device for aerosol oxidative activity. <i>Environmental Science & Technology</i> , 2013 , 47, 932-40 | 10.3 | 68 |
| 131 | Comparison of wildfire smoke estimation methods and associations with cardiopulmonary-related hospital admissions. <i>GeoHealth</i> , 2017 , 1, 122-136 | 5 | 67 |
| 130 | Rapid flow in multilayer microfluidic paper-based analytical devices. <i>Lab on A Chip</i> , 2018 , 18, 793-802 | 7.2 | 66 |
| 129 | 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 & Technology</i> , 2009 , 43, 4595-9 | 10.3 | 64 |
| 128 | Microfluidic electrochemical sensor for on-line monitoring of aerosol oxidative activity. <i>Journal of the American Chemical Society</i> , 2012 , 134, 10562-8 | 16.4 | 63 |
| 127 | Impact of a cleaner-burning cookstove intervention on blood pressure in Nicaraguan women. <i>Indoor Air</i> , 2013 , 23, 105-14 | 5.4 | 56 |
| 126 | Development and evaluation of an ultrasonic personal aerosol sampler. <i>Indoor Air</i> , 2017 , 27, 409-416 | 5.4 | 55 |
| 125 | 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 | 6.7 | 50 |
| 124 | Uncertainties in global aerosols and climate effects due to biofuel emissions. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 8577-8596 | 6.8 | 50 |

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| 123 | Determination of aerosol oxidative activity using silver nanoparticle aggregation on paper-based analytical devices. <i>Analyst, The</i> , 2013 , 138, 6766-73 | 5 | 46 |
| 122 | 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 | 5.3 | 44 |
| 121 | Solid-Phase Extraction Coupled to a Paper-Based Technique for Trace Copper Detection in Drinking Water. <i>Environmental Science & Technology</i> , 2018 , 52, 3567-3573 | 10.3 | 43 |
| 120 | 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 | 4.4 | 42 |
| 119 | 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 | 5.4 | 37 |
| 118 | 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, 113-21 | | 36 |
| 117 | Development of a method for personal, spatiotemporal exposure assessment. <i>Journal of Environmental Monitoring</i> , 2009 , 11, 1331-9 | | 35 |
| 116 | Proinflammatory effects of cookstove emissions on human bronchial epithelial cells. <i>Indoor Air</i> , 2013 , 23, 4-13 | 5.4 | 34 |
| 115 | The Fort Collins commuter study: Variability in personal exposure to air pollutants by microenvironment. <i>Indoor Air</i> , 2019 , 29, 231-241 | 5.4 | 34 |
| 114 | Field measurements of solid-fuel cookstove emissions from uncontrolled cooking in China, Honduras, Uganda, and India. <i>Atmospheric Environment</i> , 2018 , 190, 116-125 | 5.3 | 34 |
| 113 | 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 | 5.4 | 33 |
| 112 | Effects of sampling bias on gas/particle partitioning of semi-volatile compounds. <i>Atmospheric Environment</i> , 2003 , 37, 3385-3393 | 5.3 | 32 |
| 111 | Linking Load, Fuel, and Emission Controls to Photochemical Production of Secondary Organic Aerosol from a Diesel Engine. <i>Environmental Science & Technology</i> , 2017 , 51, 1377-1386 | 10.3 | 31 |
| 110 | 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 | 3 | 30 |
| 109 | Comparison of methods for measuring gas-particle partitioning of semivolatile compounds. <i>Atmospheric Environment</i> , 2003 , 37, 3177-3188 | 5.3 | 30 |
| 108 | A Laboratory Assessment of 120 Air Pollutant Emissions from Biomass and Fossil Fuel Cookstoves. <i>Environmental Science & Technology</i> , 2019 , 53, 7114-7125 | 10.3 | 28 |
| 107 | Quantifying the Contribution to Uncertainty in Mortality Attributed to Household, Ambient, and Joint Exposure to PM From Residential Solid Fuel Use. <i>GeoHealth</i> , 2018 , 2, 25-39 | 5 | 28 |
| 106 | Exposure to household air pollution from biomass-burning cookstoves and HbA1c and diabetic status among Honduran women. <i>Indoor Air</i> , 2018 , 28, 768 | 5.4 | 27 |

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| 105 | Biodiesel effects on particulate radiocarbon (¹⁴ C) emissions from a diesel engine. <i>Journal of Aerosol Science</i> , 2008 , 39, 667-678 | 4.3 | 27 |
| 104 | Airborne Transmission of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2): What We Know. <i>Clinical Infectious Diseases</i> , 2021 , 73, 1924-1926 | 11.6 | 27 |
| 103 | Technical Note: Performance of a Personal Electrostatic Precipitator Particle Sampler. <i>Aerosol Science and Technology</i> , 2002 , 36, 162-165 | 3.4 | 25 |
| 102 | Janus Electrochemical Paper-Based Analytical Devices for Metals Detection in Aerosol Samples. <i>Analytical Chemistry</i> , 2020 , 92, 1439-1446 | 7.8 | 25 |
| 101 | Measurement of Gaseous and Particulate Emissions from Algae-Based Fatty Acid Methyl Esters. <i>SAE International Journal of Fuels and Lubricants</i> , 2010 , 3, 292-321 | 1.8 | 24 |
| 100 | A Personal, Thermophoretic Sampler for Airborne Nanoparticles. <i>Aerosol Science and Technology</i> , 2011 , 45, 744-750 | 3.4 | 24 |
| 99 | Oil Mist Concentration: A Comparison of Sampling Methods. <i>AIHA Journal</i> , 1999 , 60, 684-689 | | 24 |
| 98 | 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 | 6 | 24 |
| 97 | Size, Composition, and Source Profiles of Inhalable Bioaerosols from Colorado Dairies. <i>Environmental Science & Technology</i> , 2017 , 51, 6430-6440 | 10.3 | 23 |
| 96 | Oil Mist Concentration: A Comparison of Sampling Methods. <i>AIHA Journal</i> , 1999 , 60, 684-689 | | 23 |
| 95 | A low-cost particulate matter (PM _{2.5}) monitor for wildland fire smoke. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 1087-1097 | 4 | 23 |
| 94 | Development of a Transfer Function for a Personal, Thermophoretic Nanoparticle Sampler. <i>Aerosol Science and Technology</i> , 2014 , 48, 81-89 | 3.4 | 20 |
| 93 | Emissions profile from new and in-use handheld, 2-stroke engines. <i>Atmospheric Environment</i> , 2007 , 41, 640-649 | 5.3 | 20 |
| 92 | Partitioning theory for respiratory deposition of semivolatile aerosols. <i>Annals of Occupational Hygiene</i> , 2003 , 47, 157-64 | | 20 |
| 91 | Personal Exposure to PM Black Carbon and Aerosol Oxidative Potential using an Automated Microenvironmental Aerosol Sampler (AMAS). <i>Environmental Science & Technology</i> , 2018 , 52, 11267-11275 | 10.3 | 20 |
| 90 | Paper-based microfluidics for experimental design: screening masking agents for simultaneous determination of Mn(II) and Co(II). <i>Analytical Methods</i> , 2017 , 9, 534-540 | 3.2 | 19 |
| 89 | 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 | 6.7 | 19 |
| 88 | Variation in gravimetric correction factors for nephelometer-derived estimates of personal exposure to PM. <i>Environmental Pollution</i> , 2019 , 250, 251-261 | 9.3 | 19 |

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| 87 | LABORATORY EVALUATION OF A MICROFLUIDIC ELECTROCHEMICAL SENSOR FOR AEROSOL OXIDATIVE LOAD. <i>Aerosol Science and Technology</i> , 2014 , 48, 489-497 | 3.4 | 19 |
| 86 | Carbonaceous species emitted from handheld two-stroke engines. <i>Atmospheric Environment</i> , 2008 , 42, 1239-1248 | 5.3 | 19 |
| 85 | 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 | 7.9 | 19 |
| 84 | Rapid detection of transition metals in welding fumes using paper-based analytical devices. <i>Annals of Occupational Hygiene</i> , 2014 , 58, 413-23 | | 18 |
| 83 | Time course of bronchial cell inflammation following exposure to diesel particulate matter using a modified EAVES. <i>Toxicology in Vitro</i> , 2014 , 28, 829-37 | 3.6 | 18 |
| 82 | Electrostatic sampler for semivolatile aerosols: chemical artifacts. <i>Environmental Science & Technology</i> , 2002 , 36, 4608-12 | 10.3 | 18 |
| 81 | A Baseline Evaluation of Traditional Cook Stove Smoke Exposures and Indicators of Cardiovascular and Respiratory Health among Nicaraguan Women | | 18 |
| 80 | Effects of aerosol type and simulated aging on performance of low-cost PM sensors. <i>Journal of Aerosol Science</i> , 2020 , 150, 105654 | 4.3 | 18 |
| 79 | 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 | 10.2 | 18 |
| 78 | 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 | 4.1 | 17 |
| 77 | 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, 583-94 | 3.2 | 17 |
| 76 | 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 | 6.7 | 17 |
| 75 | 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 | 4.7 | 16 |
| 74 | The Firepower Sweep Test: A novel approach to cookstove laboratory testing. <i>Indoor Air</i> , 2018 , 28, 936-949 | 3.4 | 16 |
| 73 | 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 | 6 | 16 |
| 72 | Prospects and pitfalls of occupational hazard mapping: 'between these lines there be dragons'. <i>Annals of Occupational Hygiene</i> , 2011 , 55, 829-40 | | 16 |
| 71 | Filter and electrostatic samplers for semivolatile aerosols: physical artifacts. <i>Environmental Science & Technology</i> , 2002 , 36, 4613-7 | 10.3 | 16 |
| 70 | Ambient Particulate Matter Size Distributions Drive Regional and Global Variability in Particle Deposition in the Respiratory Tract. <i>GeoHealth</i> , 2018 , 2, 298-312 | 5 | 16 |

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| 69 | Design and evaluation of a portable PM monitor featuring a low-cost sensor in line with an active filter sampler. <i>Environmental Sciences: Processes and Impacts</i> , 2019 , 21, 1403-1415 | 4.3 | 15 |
| 68 | Modeling evaporative loss of oil mist collected by sampling filters. <i>Journal of Occupational and Environmental Hygiene</i> , 2000 , 15, 90-6 | | 15 |
| 67 | 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 | 3.4 | 14 |
| 66 | Development of a sampler for total aerosol deposition in the human respiratory tract. <i>Annals of Occupational Hygiene</i> , 2009 , 53, 731-8 | | 13 |
| 65 | 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 | | 13 |
| 64 | An improved model for particle deposition in porous foams. <i>Journal of Aerosol Science</i> , 2009 , 40, 563-574. | 4.3 | 13 |
| 63 | Mist concentration measurements. II: Laboratory and field evaluations. <i>Journal of Occupational and Environmental Hygiene</i> , 2000 , 15, 370-9 | | 13 |
| 62 | Evaluation of the pDR-1200 real-time aerosol monitor. <i>Journal of Occupational and Environmental Hygiene</i> , 2008 , 5, 353-9 | 2.9 | 12 |
| 61 | A Simple and Disposable Sampler for Inhalable Aerosol. <i>Annals of Occupational Hygiene</i> , 2016 , 60, 150-60 | | 11 |
| 60 | 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 | 4 | 11 |
| 59 | Effects of data sparsity and spatiotemporal variability on hazard maps of workplace noise. <i>Journal of Occupational and Environmental Hygiene</i> , 2015 , 12, 256-65 | 2.9 | 10 |
| 58 | A quantitative model of cookstove variability and field performance: Implications for sample size. <i>Biomass and Bioenergy</i> , 2015 , 72, 233-241 | 5.3 | 10 |
| 57 | 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 | | 10 |
| 56 | 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 | 2.5 | 10 |
| 55 | High-throughput, semi-automated dithiothreitol (DTT) assays for oxidative potential of fine particulate matter. <i>Atmospheric Environment</i> , 2020 , 222, 117132 | 5.3 | 10 |
| 54 | Quantitative Protection Factors for Common Masks and Face Coverings. <i>Environmental Science & Technology</i> , 2021 , 55, 3136-3143 | 10.3 | 10 |
| 53 | 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 | 4 | 9 |
| 52 | Effects of Fuel Moisture Content on Emissions from a Rocket-Elbow Cookstove. <i>Environmental Science & Technology</i> , 2019 , 53, 4648-4656 | 10.3 | 8 |

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| 51 | 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 | 4.3 | 8 |
| 50 | Chemical Composition and Emissions Factors for Cookstove Startup (Ignition) Materials. <i>Environmental Science & Technology</i> , 2018 , 52, 9505-9513 | 10.3 | 8 |
| 49 | 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 | 7.9 | 8 |
| 48 | Design and computational fluid dynamics investigation of a personal, high flow inhalable sampler. <i>Annals of Occupational Hygiene</i> , 2010 , 54, 427-42 | | 7 |
| 47 | 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 | 9.3 | 7 |
| 46 | Variability of aerosol mass and number concentrations during taconite mining operations. <i>Journal of Occupational and Environmental Hygiene</i> , 2020 , 17, 1-14 | 2.9 | 7 |
| 45 | 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 | 12.9 | 7 |
| 44 | Short-term markers of DNA damage among roofers who work with hot asphalt. <i>Environmental Health</i> , 2016 , 15, 99 | 6 | 6 |
| 43 | 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 | 4.1 | 6 |
| 42 | C-reactive protein from dried blood spots: Application to household air pollution field studies. <i>Indoor Air</i> , 2020 , 30, 24-30 | 5.4 | 6 |
| 41 | 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 | 6.7 | 6 |
| 40 | 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, | 4.6 | 6 |
| 39 | Aerosol Optical Properties and Climate Implications of Emissions from Traditional and Improved Cookstoves. <i>Environmental Science & Technology</i> , 2018 , 52, 13647-13656 | 10.3 | 6 |
| 38 | Design and performance of UPAS inlets for respirable and thoracic mass sampling. <i>Journal of Occupational and Environmental Hygiene</i> , 2020 , 17, 274-282 | 2.9 | 5 |
| 37 | The Relationship Between MAIAC Smoke Plume Heights and Surface PM. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088949 | 4.9 | 5 |
| 36 | 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 | 10.2 | 5 |
| 35 | 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 | 3.4 | 5 |
| 34 | 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 | 3.6 | 5 |

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| 33 | Performance evaluation of disposable inhalable aerosol sampler at a copper electrorefinery. <i>Journal of Occupational and Environmental Hygiene</i> , 2019 , 16, 250-257 | 2.9 | 4 |
| 32 | Comparing regional stove-usage patterns and using those patterns to model indoor air quality impacts. <i>Indoor Air</i> , 2020 , 30, 521-533 | 5.4 | 4 |
| 31 | Sampling efficiency of modified 37-mm sampling cassettes using computational fluid dynamics. <i>Journal of Occupational and Environmental Hygiene</i> , 2016 , 13, 148-58 | 2.9 | 4 |
| 30 | 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 | 2.9 | 4 |
| 29 | 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, | 1.7 | 4 |
| 28 | Absence of 14C in PM2.5 Emissions from Gasohol Combustion in Small Engines. <i>Aerosol Science and Technology</i> , 2006 , 40, 657-663 | 3.4 | 4 |
| 27 | Control methods for mineral oil mists. <i>Journal of Occupational and Environmental Hygiene</i> , 2003 , 18, 883-9 | | 4 |
| 26 | Uncertainties in global aerosols and climate effects due to biofuel emissions | | 4 |
| 25 | An Expert Survey on the Material Types used to Start Cookstoves. <i>Energy for Sustainable Development</i> , 2019 , 48, 59-66 | 5.4 | 4 |
| 24 | 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 | 2.9 | 3 |
| 23 | Novel Instrument to Separate Large Inhalable Particles. <i>Aerosol Science and Technology</i> , 2015 , 49, 1195-1209 | 3.4 | 3 |
| 22 | A rotating bluff-body disc for reduced variability in wind tunnel aerosol studies. <i>Annals of Occupational Hygiene</i> , 2011 , 55, 86-96 | | 3 |
| 21 | An Aerosol Generation System for the Production of Respirable Grain Dust. <i>Journal of Occupational and Environmental Hygiene</i> , 1998 , 13, 122-126 | | 3 |
| 20 | 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, | 11.5 | 3 |
| 19 | Measuring and modeling the primary organic aerosol volatility from a modern non-road diesel engine. <i>Atmospheric Environment</i> , 2020 , 223, 117221 | 5.3 | 3 |
| 18 | Electrochemical Dithiothreitol Assay for Large-Scale Particulate Matter Studies. <i>Aerosol Science and Technology</i> , 2019 , 53, 268-275 | 3.4 | 3 |
| 17 | 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 | 6.7 | 2 |
| 16 | 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 | 2.9 | 2 |

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| 15 | 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 | 2.7 | 2 |
| 14 | Quantifying the Health Benefits of Face Masks and Respirators to Mitigate Exposure to Severe Air Pollution. <i>GeoHealth</i> , 2021 , 5, e2021GH000482 | 5 | 2 |
| 13 | Design and Testing of a Low-Cost Sensor and Sampling Platform for Indoor Air Quality. <i>Building and Environment</i> , 2021 , 206, | 6.5 | 2 |
| 12 | 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 | 2.6 | 1 |
| 11 | 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 | 4.3 | 1 |
| 10 | Emissions and radiative impacts of sub-10 nm particles from biofuel and fossil fuel cookstoves. <i>Aerosol Science and Technology</i> , 2020 , 54, 1231-1243 | 3.4 | 1 |
| 9 | 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 | 3.6 | 1 |
| 8 | Aerosol size distribution in the Schwartzwalder uranium mine. <i>Health Physics</i> , 2014 , 106, S20-4 | 2.3 | 1 |
| 7 | A direct-reading particle sizer with elemental composition analysis for large inhalable particles. <i>Aerosol Science and Technology</i> , 1-11 | 3.4 | 1 |
| 6 | 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 | 2.4 | 1 |
| 5 | A low-cost monitor for simultaneous measurement of fine particulate matter and aerosol optical depth [Part B]: Automation and design improvements. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 6023-6038 | 4 | 1 |
| 4 | 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 | 6.9 | 1 |
| 3 | Bayesian nonparametric monotone regression. <i>Environmetrics</i> , 2020 , 31, e2642 | 1.3 | 0 |
| 2 | Envisioning ARPA-C: A Transdisciplinary Institution for Radical Climate Research and Intervention. <i>Earths Future</i> , 2021 , 9, e2021EF002115 | 7.9 | 0 |
| 1 | Response to Comment on Electrostatic Sampler for Semivolatile Aerosols: Chemical Artifacts and Filter and Electrostatic Samplers for Semivolatile Aerosols: Physical Artifacts <i>Environmental Science & Technology</i> , 2003 , 37, 2023-2023 | 10.3 | |