T Renee Anthony

List of Publications by Year
in descending order

37 papers	461 citations	759233 12 h-index	794594 19 g-index
37 all docs	37 docs citations	37 times ranked	369 citing authors

#	Article	IF	Citations
1	A Personal Nanoparticle Respiratory Deposition (NRD) Sampler. Environmental Science & Technology, 2011, 45, 6483-6490.	10.0	49
2	Computational fluid dynamics investigation of particle inhalability. Journal of Aerosol Science, 2006, 37, 750-765.	3.8	45
3	Accurate quantification of tio_2 nanoparticles collected on air filters using a microwave-assisted acid digestion method. Journal of Occupational and Environmental Hygiene, 2016, 13, 30-39.	1.0	22
4	Wintertime Factors Affecting Contaminant Distribution in a Swine Farrowing Room. Journal of Occupational and Environmental Hygiene, 2013, 10, 287-296.	1.0	21
5	Use of Recirculating Ventilation With Dust Filtration to Improve Wintertime Air Quality in a Swine Farrowing Room. Journal of Occupational and Environmental Hygiene, 2015, 12, 635-646.	1.0	21
6	Distribution of Particle and Gas Concentrations in Swine Gestation Confined Animal Feeding Operations. Annals of Occupational Hygiene, 2012, 56, 1080-90.	1.9	19
7	Evaluation of a Low-Cost Aerosol Sensor to Assess Dust Concentrations in a Swine Building. Annals of Occupational Hygiene, 2016, 60, 597-607.	1.9	19
8	Modeled Effectiveness of Ventilation with Contaminant Control Devices on Indoor Air Quality in a Swine Farrowing Facility. Journal of Occupational and Environmental Hygiene, 2014, 11, 434-449.	1.0	17
9	Evaluation of Facial Features on Particle Inhalation. Annals of Occupational Hygiene, 2004, 49, 179-93.	1.9	16
10	Simulation of air quality and cost to ventilate swine farrowing facilities in winter. Computers and Electronics in Agriculture, 2013, 98, 136-145.	7.7	16
11	Contribution of Facial Feature Dimensions and Velocity Parameters on Particle Inhalability. Annals of Occupational Hygiene, 2010, 54, 710-25.	1.9	15
12	Solid versus Liquid Particle Sampling Efficiency of Three Personal Aerosol Samplers when Facing the Wind. Annals of Occupational Hygiene, 2012, 56, 194-206.	1.9	15
13	CFD Model for a 3-D Inhaling Mannequin: Verification and Validation. Annals of Occupational Hygiene, 2005, 50, 157-73.	1.9	13
14	Method Development Study for APR Cartridge Evaluation in Fire Overhaul Exposures. Annals of Occupational Hygiene, 2007, 51, 703-16.	1.9	13
15	Computational Fluid Dynamics Investigation of Human Aspiration in Low-Velocity Air: Orientation Effects on Mouth-Breathing Simulations. Annals of Occupational Hygiene, 2013, 57, 740-57.	1.9	13
16	The Evaluation of CBRN Canisters for Use by Firefighters during Overhaul. Annals of Occupational Hygiene, 2009, 53, 523-38.	1.9	12
17	A Granular Bed for Use in a Nanoparticle Respiratory Deposition Sampler. Aerosol Science and Technology, 2015, 49, 179-187.	3.1	11
18	A Simple and Disposable Sampler for Inhalable Aerosol. Annals of Occupational Hygiene, 2016, 60, 150-160.	1.9	11

#	Article	IF	Citations
19	Size, composition, morphology, and health implications of airborne incidental metal-containing nanoparticles. Journal of Occupational and Environmental Hygiene, 2019, 16, 387-399.	1.0	11
20	Evaluation of a Shaker Dust Collector for Use in a Recirculating Ventilation System. Journal of Occupational and Environmental Hygiene, 2015, 12, D201-D210.	1.0	10
21	Porous polyurethane foam for use as a particle collection substrate in a nanoparticle respiratory deposition sampler. Aerosol Science and Technology, 2016, 50, 497-506.	3.1	10
22	Assessment of Interventions to Improve Air Quality in a Livestock Building. Journal of Agricultural Safety and Health, 2017, 23, 247-263.	0.4	9
23	Design and Computational Fluid Dynamics Investigation of a Personal, High Flow Inhalable Sampler. Annals of Occupational Hygiene, 2010, 54, 427-42.	1.9	7
24	Influence of secondary aspiration on human aspiration efficiency. Journal of Aerosol Science, 2014, 75, 65-80.	3.8	7
25	Particle Concentrations in Occupational Settings Measured with a Nanoparticle Respiratory Deposition (NRD) Sampler. Annals of Work Exposures and Health, 2018, 62, 699-710.	1.4	7
26	Uncertainty in Aspiration Efficiency Estimates from Torso Simplifications in Computational Fluid Dynamics Simulations. Annals of Occupational Hygiene, 2012, 57, 184-99.	1.9	6
27	Sampling efficiency of modified 37-mm sampling cassettes using computational fluid dynamics. Journal of Occupational and Environmental Hygiene, 2016, 13, 148-158.	1.0	6
28	A Rotating Bluff-Body Disc for Reduced Variability in Wind Tunnel Aerosol Studies. Annals of Occupational Hygiene, 2011, 55, 86-96.	1.9	5
29	Computational Fluid Dynamics Investigation of Human Aspiration in Low Velocity Air: Orientation Effects on Nose-Breathing Simulations. Annals of Occupational Hygiene, 2014, 58, 625-45.	1.9	5
30	Performance of prototype high-flow inhalable dust sampler in a livestock production facility. Journal of Occupational and Environmental Hygiene, 2017, 14, 313-322.	1.0	5
31	Simulation of Air Quality and Operating Cost to Ventilate Swine Farrowing Facilities in the Midwest U.S. During Winter. Transactions of the ASABE, 2017, 60, 465-477.	1.1	5
32	Evaluation of Low-Cost Hydrogen Sulfide Monitors for Use in Livestock Production. Journal of Agricultural Safety and Health, 2017, 23, 265-279.	0.4	5
33	An Empirical Model of Human Aspiration in Low-Velocity Air Using CFD Investigations. Journal of Occupational and Environmental Hygiene, 2015, 12, 245-255.	1.0	4
34	Three-dimensional computational fluid dynamics modeling of particle uptake by an occupational air sampler using manually-scaled and adaptive grids. Journal of Aerosol Science, 2016, 95, 54-66.	3.8	4
35	Assessment of increased sampling pump flow rates in a disposable, inhalable aerosol sampler. Journal of Occupational and Environmental Hygiene, 2017, 14, 207-213.	1.0	3
36	Rapid analysis of the size distribution of metal-containing aerosol. Aerosol Science and Technology, 2017, 51, 108-115.	3.1	3

#	Article	IF	Citations
37	Nonwoven textile for use in a nanoparticle respiratory deposition sampler. Journal of Occupational and Environmental Hygiene, 2017, 14, 368-376.	1.0	1