Sheng-Hsiu Huang

List of Publications by Year
in descending order

45	923	516215 16	454577 30
papers	citations	h-index	g-index

46	46	46	1199
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evaluation of Bias in the Measurement of Condensable Particulate Matter with Method 202. Aerosol and Air Quality Research, 2021, 21, 200149.	0.9	5
2	Exposures and health impact for bicycle and electric scooter commuters in Taipei. Transportation Research, Part D: Transport and Environment, 2021, 91, 102696.	3.2	6
3	Development of an Orientation-independent Handheld Nebulizer. Aerosol and Air Quality Research, 2021, 21, 200203.	0.9	0
4	A novel lung alveolar cell model for exploring volatile biomarkers of particle-induced lung injury. Scientific Reports, 2020, 10, 15700.	1.6	2
5	In Vitro Evaluation of Aerosol Performance and Delivery Efficiency During Mechanical Ventilation Between Soft Mist Inhaler and Pressurized Metered-Dose Inhaler. Respiratory Care, 2020, 65, 1001-1010.	0.8	10
6	Characterization of Aerosol Emission from Single-film Rupture in a Tube. Aerosol and Air Quality Research, 2020, 20, 2239-2248.	0.9	1
7	Development of respirable virtual-cyclone samplers. Journal of Occupational and Environmental Hygiene, 2019, 16, 785-792.	0.4	2
8	Parameters affecting recoveries of viable Staphylococcus aureus bioaerosols in liquid-based samplers. Journal of Aerosol Science, 2019, 136, 82-90.	1.8	2
9	Characterization of a Piezoelectric Inkjet Aerosol Generator for the Study of Bioaerosol Survivability. Aerosol and Air Quality Research, 2019, 19, 959-970.	0.9	1
10	Multi-Scale Microstructure Investigation for a PM2.5 Air-Filter Efficiency Study of Non-Woven Polypropylene. Quantum Beam Science, 2019, 3, 20.	0.6	17
11	Experimental Measurements of Regional Lung Deposition in Taiwanese. Aerosol and Air Quality Research, 2019, 19, 832-839.	0.9	3
12	Characterization of Vibrating Mesh Aerosol Generators. Aerosol and Air Quality Research, 2019, 19, 1678-1687.	0.9	15
13	Experimental Characterization of Aerosol Suspension in a Rotating Drum. Aerosol and Air Quality Research, 2019, 19, 688-697.	0.9	4
14	Effects of temperature, dust concentration, and filtration superficial velocity on the loading behavior and dust cakes of ceramic candle filters during hot gas filtration. Separation and Purification Technology, 2018, 198, 146-154.	3.9	37
15	Effect of Aerosol Loading on Separation Performance of PM2.5 Cyclone Separators. Aerosol and Air Quality Research, 2018, 18, 1366-1374.	0.9	9
16	Source apportionment of PM 2.5 size distribution and composition data from multiple stationary sites using a mobile platform. Atmospheric Research, 2017, 190, 21-28.	1.8	9
17	Characterization of aerosol emissions from single bubble bursting. Journal of Aerosol Science, 2017, 109, 1-12.	1.8	26
18	Filter quality of electret masks in filtering 14.6â€“594 nm aerosol particles: Effects of five decontamination methods. PLoS ONE, 2017, 12, e0186217.	1.1	86

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19	Measurement and Evaluation of Elastic Light Scattering from a Single Levitated Irregular Particle. Aerosol and Air Quality Research, 2017, 17, 1256-1266.	0.9	2
20	Cancer mortality in a population exposed to nephrite processing. Occupational and Environmental Medicine, 2016, 73, 528-536.	1.3	9
21	Effects of the geometric configuration on cyclone performance. Journal of Aerosol Science, 2015, 86, 1-12.	1.8	50
22	Development of a Reliable and Cost-Effective Weighing Chamber for Aerosol Sample Analyses. Aerosol and Air Quality Research, 2015, 15, 749-758.	0.9	2
23	Particle Size Concentration Distribution and Influences on Exhaled Breath Particles in Mechanically Ventilated Patients. PLoS ONE, 2014, 9, e87088.	1.1	21
24	An Experimental Study on Performance Improvement of the Stairmand Cyclone Design. Aerosol and Air Quality Research, 2014, 14, 1003-1016.	0.9	17
25	Effect of aerosol loading on breakthrough characteristics of activated charcoal cartridges. Journal of Aerosol Science, 2013, 55, 57-65.	1.8	7
26	Factors Affecting Filter Penetration and Quality Factor of Particulate Respirators. Aerosol and Air Quality Research, 2013, 13, 162-171.	0.9	107
27	A Sampling Train for Rapid Measurement of Regional Lung Deposition. Aerosol and Air Quality Research, 2013, 13, 608-617.	0.9	1
28	Penetration of charged particles through metallic tubes. Journal of Aerosol Science, 2012, 48, 10-17.	1.8	13
29	From electrostatic precipitation to nanoparticle generation. Journal of Aerosol Science, 2012, 51, 57-65.	1.8	12
30	Experimental Study on the Effect of Fiber Orientation on Filter Quality. Aerosol Science and Technology, 2010, 44, 964-971.	1.5	8
31	Filtration and loading characteristics of granular bed filters. Journal of Aerosol Science, 2010, 41, 223-229.	1.8	44
32	Filter Quality of Pleated Filter Cartridges. Annals of Occupational Hygiene, 2008, 52, 207-12.	1.9	16
33	Reducing Particle Bounce and Loading Effect for a Multi-Hole Impactor. Aerosol Science and Technology, 2008, 42, 114-122.	1.5	12
34	Precision Evaluation of Size-Selective Aerosol Samplers. Aerosol Science and Technology, 2007, 41, 589-596.	1.5	1
35	Penetration of 4.5nm to aerosol particles through fibrous filters. Journal of Aerosol Science, 2007, 38, 719-727.	1.8	101
36	Evaluation of Exhalation Valves. Annals of Occupational Hygiene, 2005, 49, 563-8.	1.9	7

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37	Development of a Size-Selective Inlet-Simulating ICRP Lung Deposition Fraction. Aerosol Science and Technology, 2005, 39, 437-443.	1.5	20
38	Loading Characteristics of a Miniature Wire-Plate Electrostatic Precipitator. Aerosol Science and Technology, 2003, 37, 109-121.	1.5	29
39	Ultrafine Aerosol Penetration through Electrostatic Precipitators. Environmental Science & Technology, 2002, 36, 4625-4632.	4.6	71
40	Aerosol Penetration through Silica Gel Tubes. Aerosol Science and Technology, 2002, 36, 457-468.	1.5	2
41	Filtration Characteristics of a Miniature Electrostatic Precipitator. Aerosol Science and Technology, 2001, 35, 792-804.	1.5	31
42	Experimental Study on the Loading Characteristics of Needlefelt Filters with Micrometer-Sized Monodisperse Aerosols. Aerosol Science and Technology, 2001, 34, 262-273.	1.5	14
43	The Virtual Cyclone as a Personal Respirable Sampler. Aerosol Science and Technology, 1999, 31, 422-432.	1.5	12
44	Shift of Aerosol Penetration in Respirable Cyclone Samplers. AIHA Journal, 1999, 60, 720-729.	0.4	24
45	The Effects of Particle Charge on the Performance of a Filtering Facepiece. AIHA Journal, 1998, 59, 227-233.	0.4	55