

Byung Uk Lee

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,216
citations

346980

22
h-index

425179

34
g-index

53
all docs

53
docs citations

53
times ranked

1388
citing authors

#	ARTICLE	IF	CITATIONS
1	Airborne Transmission of the SARS-CoV-2 Delta Variant and the SARS-CoV-2 Omicron Variant. <i>Aerosol and Air Quality Research</i> , 2022, 22, 210250.	0.9	1
2	Why Does the SARS-CoV-2 Delta VOC Spread So Rapidly? Universal Conditions for the Rapid Spread of Respiratory Viruses, Minimum Viral Loads for Viral Aerosol Generation, Effects of Vaccination on Viral Aerosol Generation, and Viral Aerosol Clouds. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9804.	1.2	19
3	A high attack rate of 90% of SARS-CoV-2 Delta variant infections in crew personnel on a single navy ship. <i>Journal of Travel Medicine</i> , 2021, , .	1.4	3
4	Antimicrobial Air Filters Using Natural Sea Salt Particles for Deactivating Airborne Bacterial Particles. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 190.	1.2	15
5	Minimum Sizes of Respiratory Particles Carrying SARS-CoV-2 and the Possibility of Aerosol Generation. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6960.	1.2	67
6	Cryogenic Aerosol Generation: Airborne Mist Particles Surrounding Liquid Nitrogen. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1071.	1.2	4
7	Comparison of filtration performance of commercially available automotive cabin air filters against various airborne pollutants. <i>Building and Environment</i> , 2019, 161, 106272.	3.0	17
8	Concentrations of Atmospheric Culturable Bioaerosols at Mountain and Seashore Sites. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4323.	1.2	5
9	Electrospray patterning of yeast cells for applications in alcoholic fermentation. <i>Scientific Reports</i> , 2019, 9, 18662.	1.6	5
10	Washable antimicrobial polyester/aluminum air filter with a high capture efficiency and low pressure drop. <i>Journal of Hazardous Materials</i> , 2018, 351, 29-37.	6.5	66
11	Evaluation of aerosolization characteristics of biocontaminated particles from flood-damaged housing materials. <i>Journal of Aerosol Science</i> , 2017, 106, 93-99.	1.8	5
12	Effects of human activities on concentrations of culturable bioaerosols in indoor air environments. <i>Journal of Aerosol Science</i> , 2017, 104, 58-65.	1.8	66
13	Effects of Antimicrobial Air Filters on the Viability and Culturability of Airborne Bacteria. <i>Clean - Soil, Air, Water</i> , 2016, 44, 1268-1277.	0.7	3
14	Measurement of aerosol nanoparticles from a combustion particle generator by using three types of dilutors. <i>Atmospheric Pollution Research</i> , 2016, 7, 303-306.	1.8	3
15	Concentration of culturable bioaerosols during winter. <i>Journal of Aerosol Science</i> , 2016, 94, 1-8.	1.8	42
16	Seasonal variation in the concentrations of culturable bacterial and fungal aerosols in underground subway systems. <i>Journal of Aerosol Science</i> , 2016, 92, 122-129.	1.8	24
17	Viable Bacterial Cell Patterning Using a Pulsed Jet Electrospray System. <i>Journal of Microbiology and Biotechnology</i> , 2015, 25, 381-385.	0.9	5
18	Why Does Rain Increase the Concentrations of Environmental Bioaerosols during Monsoon?. <i>Aerosol and Air Quality Research</i> , 2015, 15, 2320-2324.	0.9	17

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19	Analysis of genome integrity of influenza virus in formaldehyde-inactivated split vaccines. <i>Genes and Genomics</i> , 2014, 36, 633-641.	0.5	0
20	Concentration of environmental fungal and bacterial bioaerosols during the monsoon season. <i>Journal of Aerosol Science</i> , 2014, 77, 31-37.	1.8	57
21	Effect of Treatment with a Natural Extract of <i>Mukdenia Rossii</i> (Oliv) Koidz and Unipolar Ion Emission on the Antibacterial Performance of Air Filters. <i>Aerosol and Air Quality Research</i> , 2013, 13, 771-776.	0.9	9
22	Distinguishing Biotic and Abiotic Particles Using an Ultraviolet Aerodynamic Particle Sizer for Real-Time Detection of Bacterial Bioaerosols. <i>Environmental Engineering Science</i> , 2012, 29, 866-874.	0.8	14
23	Short-term effect of humid airflow on antimicrobial air filters using <i>Sophora flavescens</i> nanoparticles. <i>Science of the Total Environment</i> , 2012, 421-422, 273-279.	3.9	19
24	Bacterial Bioaerosol Concentrations in Public Restroom Environments. <i>Aerosol and Air Quality Research</i> , 2012, 12, 251-255.	0.9	42
25	Short Calculation of Particle Transport Properties in Hydrogen Gas. <i>Aerosol and Air Quality Research</i> , 2012, 12, 141-144.	0.9	0
26	Electrohydrodynamic nano-spraying of ethanolic natural plant extracts. <i>Journal of Aerosol Science</i> , 2011, 42, 725-736.	1.8	25
27	Antimicrobial Air Filtration Using Airborne <i>Sophora Flavescens</i> Natural-Product Nanoparticles. <i>Aerosol Science and Technology</i> , 2011, 45, 1510-1518.	1.5	38
28	Aerosol Particle Size Distribution and Genetic Characteristics of Aerosolized Influenza A H1N1 Virus Vaccine Particles. <i>Aerosol and Air Quality Research</i> , 2011, 11, 230-237.	0.9	15
29	Life Comes from the Air: A Short Review on Bioaerosol Control. <i>Aerosol and Air Quality Research</i> , 2011, 11, 921-927.	0.9	78
30	Effect of hybrid UV-thermal energy stimuli on inactivation of <i>S. epidermidis</i> and <i>B. subtilis</i> bacterial bioaerosols. <i>Science of the Total Environment</i> , 2010, 408, 5903-5909.	3.9	49
31	Electrospray-Assisted Ultraviolet Aerodynamic Particle Sizer Spectrometer for Real-time Characterization of Bacterial Particles. <i>Analytical Chemistry</i> , 2010, 82, 664-671.	3.2	23
32	Generation characteristics of fungal spore and fragment bioaerosols by airflow control over fungal cultures. <i>Journal of Aerosol Science</i> , 2010, 41, 319-325.	1.8	14
33	Effect of relative humidity and variation of particle number size distribution on the inactivation effectiveness of airborne silver nanoparticles against bacteria bioaerosols deposited on a filter. <i>Journal of Aerosol Science</i> , 2010, 41, 447-456.	1.8	39
34	Application of UVAPS to real-time detection of inactivation of fungal bioaerosols due to thermal energy. <i>Journal of Aerosol Science</i> , 2010, 41, 694-701.	1.8	19
35	Drop-on-Demand Patterning of Bacterial Cells Using Pulsed Jet Electro spraying. <i>Analytical Chemistry</i> , 2010, 82, 2109-2112.	3.2	29
36	Effect of Vibration on Dispersal of <i>Cladosporium cladosporioides</i> Bioaerosols. <i>Journal of Microbiology and Biotechnology</i> , 2010, 20, 904-907.	0.9	3

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37	Treatment of Fungal Bioaerosols by a High-Temperature, Short-Time Process in a Continuous-Flow System. <i>Applied and Environmental Microbiology</i> , 2009, 75, 2742-2749.	1.4	60
38	Design and characterization of a fungal bioaerosol generator using multi-orifice air jets and a rotating substrate. <i>Journal of Aerosol Science</i> , 2009, 40, 72-80.	1.8	28
39	Use of an electrospray for the generation of bacterial bioaerosols. <i>Journal of Aerosol Science</i> , 2008, 39, 365-372.	1.8	15
40	Inactivation of <i>S. epidermidis</i> , <i>B. subtilis</i> , and <i>E. coli</i> bacteria bioaerosols deposited on a filter utilizing airborne silver nanoparticles. <i>Journal of Microbiology and Biotechnology</i> , 2008, 18, 176-82.	0.9	34
41	Development of a fungal spore aerosol generator: test with <i>Cladosporium cladosporioides</i> and <i>Penicillium citrinum</i> . <i>Journal of Microbiology and Biotechnology</i> , 2008, 18, 795-8.	0.9	1
42	Thermophoretic deposition of ultrafine particles in a turbulent pipe flow: Simulation of ultrafine particle behaviour in an automobile exhaust pipe. <i>Journal of Aerosol Science</i> , 2006, 37, 1788-1796.	1.8	23
43	Filtering Efficiency of N95- and R95-Type Facepiece Respirators, Dust-Mist Facepiece Respirators, and Surgical Masks Operating in Unipolarly Ionized Indoor Air Environments. <i>Aerosol and Air Quality Research</i> , 2005, 5, 25-38.	0.9	22
44	Removal of fine and ultrafine particles from indoor air environments by the unipolar ion emission. <i>Atmospheric Environment</i> , 2004, 38, 4815-4823.	1.9	78
45	Unipolar ion emission enhances respiratory protection against fine and ultrafine particles. <i>Journal of Aerosol Science</i> , 2004, 35, 1359-1368.	1.8	35
46	New type of impactor with a cooled impaction plate for capturing PM2.5 and other aerosols. <i>Journal of Aerosol Science</i> , 2003, 34, 957-962.	1.8	6
47	Sampling <i>E. coli</i> and <i>B. subtilis</i> bacteria bioaerosols by a new type of impactor with a cooled impaction plate. <i>Journal of Aerosol Science</i> , 2003, 34, 1097-1100.	1.8	14
48	The effect of varying impaction plate temperature on impactor performance: experimental studies. <i>Journal of Aerosol Science</i> , 2002, 33, 451-457.	1.8	15
49	Hygroscopic growth of <i>E. coli</i> and <i>B. subtilis</i> bioaerosols. <i>Journal of Aerosol Science</i> , 2002, 33, 1721-1723.	1.8	33
50	Thermophoresis in the cryogenic temperature range. <i>Journal of Aerosol Science</i> , 2001, 32, 107-119.	1.8	8