

Kihong Park

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

3,358
citations

304602

22
h-index

168321

53
g-index

56
all docs

56
docs citations

56
times ranked

3339
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphological and chemical classification of fine particles over the Yellow Sea during spring, 2015–2018. <i>Environmental Pollution</i> , 2022, 305, 119286.	3.7	5
2	Application of laser-induced breakdown spectroscopy for detection of elements in flowback water samples from shale gas wells. <i>Applied Optics</i> , 2020, 59, 2254.	0.9	0
3	Chemical Characteristics of Size-Resolved Aerosols in Coastal Areas during KORUS-AQ Campaign; Comparison of Ion Neutralization Model. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2019, 55, 387-399.	1.3	8
4	Comparison of the physical and chemical characteristics of fine road dust at different urban sites. <i>Journal of the Air and Waste Management Association</i> , 2018, 68, 812-823.	0.9	15
5	Investigation of ambient aerosol effective density with and without using a catalytic stripper. <i>Atmospheric Environment</i> , 2018, 187, 84-92.	1.9	10
6	Physicochemical properties and oxidative potential of fine particles produced from coal combustion. <i>Aerosol Science and Technology</i> , 2018, 52, 1134-1144.	1.5	4
7	Application of laser-induced breakdown spectroscopy for real-time detection of contamination particles during the manufacturing process. <i>Applied Optics</i> , 2018, 57, 3288.	0.9	9
8	Development of laser-induced breakdown spectroscopy (LIBS) with timed ablation to improve detection efficiency. <i>Aerosol Science and Technology</i> , 2017, 51, 1009-1015.	1.5	11
9	Morphological and elemental properties of urban aerosols among PM events and different traffic systems. <i>Journal of Hazardous Materials</i> , 2016, 317, 108-118.	6.5	18
10	Effect of phytoplankton biomass in seawater on chemical properties of sea spray aerosols. <i>Marine Pollution Bulletin</i> , 2016, 110, 231-237.	2.3	2
11	Optical and thermal characteristics of carbonaceous aerosols measured at an urban site in Gwangju, Korea, in the winter of 2011. <i>Journal of the Air and Waste Management Association</i> , 2016, 66, 151-163.	0.9	3
12	Mass concentration coupled with mass loading rate for evaluating PM2.5 pollution status in the atmosphere: A case study based on dairy barns. <i>Environmental Pollution</i> , 2015, 207, 374-380.	3.7	3
13	Effect of Volume Fraction on Transient Structural Behavior of Aerosol Particles Using Off-Lattice Kinetic Monte Carlo Simulation. <i>Aerosol Science and Technology</i> , 2015, 49, 1242-1255.	1.5	6
14	Comparison of Hygroscopicity, Volatility, and Mixing State of Submicrometer Particles between Cruises over the Arctic Ocean and the Pacific Ocean. <i>Environmental Science & Technology</i> , 2015, 49, 12024-12035.	4.6	9
15	The Effect of Particle Morphology on Unipolar Diffusion Charging of Silver Nanowires. <i>Aerosol Science and Technology</i> , 2015, 49, 290-298.	1.5	2
16	Evaluation of Particle Bounce in Various Collection Substrates to be Used as Vaporizer in Aerosol Mass Spectrometer. <i>Aerosol Science and Technology</i> , 2015, 49, 332-339.	1.5	7
17	Mixing State of Submicrometer Sea Spray Particles Enriched by Insoluble Species in Bubble-Bursting Experiments. <i>Journal of Atmospheric and Oceanic Technology</i> , 2014, 31, 93-104.	0.5	23
18	Kriging interpolation method for laser induced breakdown spectroscopy (LIBS) analysis of Zn in various soils. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 76-84.	1.6	21

#	ARTICLE	IF	CITATIONS
19	Measurement of insoluble submicrometer particles and biological materials in seawater to investigate marine aerosol production. <i>Journal of Aerosol Science</i> , 2014, 45, 22-34.	1.8	5
20	Mixing State of Size-Selected Submicrometer Particles in the Arctic in May and September 2012. <i>Environmental Science & Technology</i> , 2014, 48, 909-919.	4.6	11
21	A new approach for determination of fouling potential by colloidal nanoparticles during reverse osmosis (RO) membrane filtration of seawater. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	9
22	Rapid detection of soils contaminated with heavy metals and oils by laser induced breakdown spectroscopy (LIBS). <i>Journal of Hazardous Materials</i> , 2013, 263, 754-760.	6.5	67
23	Mixing State of Size-Selected Submicrometer Particles During Photochemical and Combustion Events Measured with the Tandem System. <i>Aerosol Science and Technology</i> , 2013, 47, 746-754.	1.5	3
24	Atmospheric Aging of Asian Dust Particles During Long Range Transport. <i>Aerosol Science and Technology</i> , 2012, 46, 913-924.	1.5	31
25	Determination of lead in soil at a historical mining and smelting site using laser-induced breakdown spectroscopy. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 2177-2184.	1.2	15
26	Production of Residue-Free Nanoparticles by Atomization of Aqueous Solutions. <i>Aerosol Science and Technology</i> , 2012, 46, 354-360.	1.5	18
27	Determination of Heavy Metal Distribution in PM ₁₀ During Asian Dust and Local Pollution Events Using Laser Induced Breakdown Spectroscopy (LIBS). <i>Aerosol Science and Technology</i> , 2012, 46, 1079-1089.	1.5	23
28	Detection of Nutrient Elements and Contamination by Pesticides in Spinach and Rice Samples Using Laser-Induced Breakdown Spectroscopy (LIBS). <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 718-724.	2.4	105
29	Combination of transmission electron and atomic force microscopy techniques to determine volume equivalent diameter of submicrometer particles. <i>Microscopy Research and Technique</i> , 2012, 75, 505-512.	1.2	4
30	Quantification of a Mixture of Insoluble Submicrometer Particles and Dissolved Solids in Water using Membrane Filtration and Aerosolization Method. <i>Aerosol Science and Technology</i> , 2011, 45, 1010-1018.	1.5	7
31	Measurements of hygroscopicity and volatility of atmospheric ultrafine particles in the rural Pearl River Delta area of China. <i>Atmospheric Environment</i> , 2011, 45, 4661-4670.	1.9	9
32	A semi-continuous measurement of gaseous ammonia and particulate ammonium concentrations in PM _{2.5} in the ambient atmosphere. <i>Journal of Atmospheric Chemistry</i> , 2011, 68, 251-263.	1.4	6
33	Evaluation of a soft X-ray unipolar charger for charging nanoparticles. <i>Journal of Nanoparticle Research</i> , 2011, 13, 579-585.	0.8	7
34	Development of a cloud condensation nuclei (CCN) counter using a laser and charge-coupled device (CCD) camera. <i>Frontiers of Environmental Science and Engineering in China</i> , 2011, 5, 313-319.	0.8	4
35	Application of Laser Based Spectroscopic Monitoring into Soil Remediation Process of PAH-Contaminated Soil. <i>Geosystem Engineering</i> , 2011, 14, 15-22.	0.7	4
36	Characterization of metal aerosols in PM ₁₀ from urban, industrial, and Asian Dust sources. <i>Environmental Monitoring and Assessment</i> , 2010, 160, 289-300.	1.3	43

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37	Morphological and Elemental Classification of Freshly Emitted Soot Particles and Atmospheric Ultrafine Particles using the TEM/EDS. <i>Aerosol Science and Technology</i> , 2010, 44, 202-215.	1.5	98
38	Development of an Aerosol Focusing-Laser Induced Breakdown Spectroscopy (Aerosol Focusing-LIBS) for Determination of Fine and Ultrafine Metal Aerosols. <i>Aerosol Science and Technology</i> , 2009, 43, 375-386.	1.5	46
39	Quantitative analysis of arsenic in mine tailing soils using double pulse-laser induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009, 64, 1105-1110.	1.5	56
40	A study on effects of size and structure on hygroscopicity of nanoparticles using a tandem differential mobility analyzer and TEM. <i>Journal of Nanoparticle Research</i> , 2009, 11, 175-183.	0.8	59
41	Measurements of Hygroscopicity and Volatility of Atmospheric Ultrafine Particles during Ultrafine Particle Formation Events at Urban, Industrial, and Coastal Sites. <i>Environmental Science & Technology</i> , 2009, 43, 6710-6716.	4.6	26
42	Aerosol light absorption, black carbon, and elemental carbon at the Fresno Supersite, California. <i>Atmospheric Research</i> , 2009, 93, 874-887.	1.8	123
43	Continuous and filter-based measurements of PM _{2.5} nitrate and sulfate at the Fresno Supersite. <i>Environmental Monitoring and Assessment</i> , 2008, 144, 179-189.	1.3	23
44	Seasonal and diurnal variations of ultrafine particle concentration in urban Gwangju, Korea: Observation of ultrafine particle events. <i>Atmospheric Environment</i> , 2008, 42, 788-799.	1.9	65
45	PM _{2.5} and PM ₁₀ Mass Measurements in California's San Joaquin Valley. <i>Aerosol Science and Technology</i> , 2006, 40, 796-810.	1.5	48
46	Surface Passivation of Bare Aluminum Nanoparticles Using Perfluoroalkyl Carboxylic Acids. <i>Chemistry of Materials</i> , 2005, 17, 2987-2996.	3.2	207
47	Measurement of Inherent Material Density of Nanoparticle Agglomerates. <i>Journal of Nanoparticle Research</i> , 2004, 6, 267-272.	0.8	263
48	Structural Properties of Diesel Exhaust Particles Measured by Transmission Electron Microscopy (TEM): Relationships to Particle Mass and Mobility. <i>Aerosol Science and Technology</i> , 2004, 38, 881-889.	1.5	294
49	Importance of Phase Change of Aluminum in Oxidation of Aluminum Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2004, 108, 14793-14795.	1.2	138
50	Measurement of Inherent Material Density of Nanoparticle Agglomerates. , 2004, 6, 267.		1
51	A closure study of aerosol mass concentration measurements: comparison of values obtained with filters and by direct measurements of mass distributions. <i>Atmospheric Environment</i> , 2003, 37, 1223-1230.	1.9	51
52	On-line measurements of diesel nanoparticle composition and volatility. <i>Atmospheric Environment</i> , 2003, 37, 1199-1210.	1.9	343
53	Relationship between Particle Mass and Mobility for Diesel Exhaust Particles. <i>Environmental Science & Technology</i> , 2003, 37, 577-583.	4.6	444
54	Size-Dependent Mixing Characteristics of Volatile and Nonvolatile Components in Diesel Exhaust Aerosols. <i>Environmental Science & Technology</i> , 2003, 37, 5487-5495.	4.6	155

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55	The Relationship between Mass and Mobility for Atmospheric Particles: A New Technique for Measuring Particle Density. <i>Aerosol Science and Technology</i> , 2002, 36, 227-238.	1.5	391