Kihong Park

List of Publications by Year
in descending order

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55	3,358	304602 22	168321 53
papers	citations	h-index	g-index

56	56	56	3339
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Relationship between Particle Mass and Mobility for Diesel Exhaust Particles. Environmental Science & Technology, 2003, 37, 577-583.	4.6	444
2	The Relationship between Mass and Mobility for Atmospheric Particles: A New Technique for Measuring Particle Density. Aerosol Science and Technology, 2002, 36, 227-238.	1.5	391
3	On-line measurements of diesel nanoparticle composition and volatility. Atmospheric Environment, 2003, 37, 1199-1210.	1.9	343
4	Structural Properties of Diesel Exhaust Particles Measured by Transmission Electron Microscopy (TEM): Relationships to Particle Mass and Mobility. Aerosol Science and Technology, 2004, 38, 881-889.	1.5	294
5	Measurement of Inherent Material Density of Nanoparticle Agglomerates. Journal of Nanoparticle Research, 2004, 6, 267-272.	0.8	263
6	Surface Passivation of Bare Aluminum Nanoparticles Using Perfluoroalkyl Carboxylic Acids. Chemistry of Materials, 2005, 17, 2987-2996.	3.2	207
7	Size-Dependent Mixing Characteristics of Volatile and Nonvolatile Components in Diesel Exhaust Aerosols. Environmental Science & Technology, 2003, 37, 5487-5495.	4.6	155
8	Importance of Phase Change of Aluminum in Oxidation of Aluminum Nanoparticles. Journal of Physical Chemistry B, 2004, 108, 14793-14795.	1.2	138
9	Aerosol light absorption, black carbon, and elemental carbon at the Fresno Supersite, California. Atmospheric Research, 2009, 93, 874-887.	1.8	123
10	Detection of Nutrient Elements and Contamination by Pesticides in Spinach and Rice Samples Using Laser-Induced Breakdown Spectroscopy (LIBS). Journal of Agricultural and Food Chemistry, 2012, 60, 718-724.	2.4	105
11	Morphological and Elemental Classification of Freshly Emitted Soot Particles and Atmospheric Ultrafine Particles using the TEM/EDS. Aerosol Science and Technology, 2010, 44, 202-215.	1.5	98
12	Rapid detection of soils contaminated with heavy metals and oils by laser induced breakdown spectroscopy (LIBS). Journal of Hazardous Materials, 2013, 263, 754-760.	6.5	67
13	Seasonal and diurnal variations of ultrafine particle concentration in urban Gwangju, Korea: Observation of ultrafine particle events. Atmospheric Environment, 2008, 42, 788-799.	1.9	65
14	A study on effects of size and structure on hygroscopicity of nanoparticles using a tandem differential mobility analyzer and TEM. Journal of Nanoparticle Research, 2009, 11, 175-183.	0.8	59
15	Quantitative analysis of arsenic in mine tailing soils using double pulse-laser induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2009, 64, 1105-1110.	1.5	56
16	A closure study of aerosol mass concentration measurements: comparison of values obtained with filters and by direct measurements of mass distributions. Atmospheric Environment, 2003, 37, 1223-1230.	1.9	51
17	PM2.5and PM10Mass Measurements in California's San Joaquin Valley. Aerosol Science and Technology, 2006, 40, 796-810.	1.5	48
18	Development of an Aerosol Focusing-Laser Induced Breakdown Spectroscopy (Aerosol Focusing-LIBS) for Determination of Fine and Ultrafine Metal Aerosols. Aerosol Science and Technology, 2009, 43, 375-386.	1.5	46

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19	Characterization of metal aerosols in PM10 from urban, industrial, and Asian Dust sources. Environmental Monitoring and Assessment, 2010, 160, 289-300.	1.3	43
20	Atmospheric Aging of Asian Dust Particles During Long Range Transport. Aerosol Science and Technology, 2012, 46, 913-924.	1.5	31
21	Measurements of Hygroscopicity and Volatility of Atmospheric Ultrafine Particles during Ultrafine Particle Formation Events at Urban, Industrial, and Coastal Sites. Environmental Science & Technology, 2009, 43, 6710-6716.	4.6	26
22	Continuous and filter-based measurements of PM2.5 nitrate and sulfate at the Fresno Supersite. Environmental Monitoring and Assessment, 2008, 144, 179-189.	1.3	23
23	Determination of Heavy Metal Distribution in PM₁₀During Asian Dust and Local Pollution Events Using Laser Induced Breakdown Spectroscopy (LIBS). Aerosol Science and Technology, 2012, 46, 1079-1089.	1.5	23
24	Mixing State of Submicrometer Sea Spray Particles Enriched by Insoluble Species in Bubble-Bursting Experiments. Journal of Atmospheric and Oceanic Technology, 2014, 31, 93-104.	0.5	23
25	Kriging interpolation method for laser induced breakdown spectroscopy (LIBS) analysis of Zn in various soils. Journal of Analytical Atomic Spectrometry, 2014, 29, 76-84.	1.6	21
26	Production of Residue-Free Nanoparticles by Atomization of Aqueous Solutions. Aerosol Science and Technology, 2012, 46, 354-360.	1.5	18
27	Morphological and elemental properties of urban aerosols among PM events and different traffic systems. Journal of Hazardous Materials, 2016, 317, 108-118.	6.5	18
28	Determination of lead in soil at a historical mining and smelting site using laser-induced breakdown spectroscopy. Environmental Technology (United Kingdom), 2012, 33, 2177-2184.	1.2	15
29	Comparison of the physical and chemical characteristics of fine road dust at different urban sites. Journal of the Air and Waste Management Association, 2018, 68, 812-823.	0.9	15
30	Mixing State of Size-Selected Submicrometer Particles in the Arctic in May and September 2012. Environmental Science & Technology, 2014, 48, 909-919.	4.6	11
31	Development of laser-induced breakdown spectroscopy (LIBS) with timed ablation to improve detection efficiency. Aerosol Science and Technology, 2017, 51, 1009-1015.	1.5	11
32	Investigation of ambient aerosol effective density with and without using a catalytic stripper. Atmospheric Environment, 2018, 187, 84-92.	1.9	10
33	Measurements of hygroscopicity and volatility of atmospheric ultrafine particles in the rural Pearl River Delta area of China. Atmospheric Environment, 2011, 45, 4661-4670.	1.9	9
34	A new approach for determination of fouling potential by colloidal nanoparticles during reverse osmosis (RO) membrane filtration of seawater. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	9
35	Comparison of Hygroscopicity, Volatility, and Mixing State of Submicrometer Particles between Cruises over the Arctic Ocean and the Pacific Ocean. Environmental Science & Technology, 2015, 49, 12024-12035.	4.6	9
36	Application of laser-induced breakdown spectroscopy for real-time detection of contamination particles during the manufacturing process. Applied Optics, 2018, 57, 3288.	0.9	9

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37	Chemical Characteristics of Size-Resolved Aerosols in Coastal Areas during KORUS-AQ Campaign; Comparison of Ion Neutralization Model. Asia-Pacific Journal of Atmospheric Sciences, 2019, 55, 387-399.	1.3	8
38	Quantification of a Mixture of Insoluble Submicrometer Particles and Dissolved Solids in Water using Membrane Filtration and Aerosolization Method. Aerosol Science and Technology, 2011, 45, 1010-1018.	1.5	7
39	Evaluation of a soft X-ray unipolar charger for charging nanoparticles. Journal of Nanoparticle Research, 2011, 13, 579-585.	0.8	7
40	Evaluation of Particle Bounce in Various Collection Substrates to be Used as Vaporizer in Aerosol Mass Spectrometer. Aerosol Science and Technology, 2015, 49, 332-339.	1.5	7
41	A semi-continuous measurement of gaseous ammonia and particulate ammonium concentrations in PM2.5 in the ambient atmosphere. Journal of Atmospheric Chemistry, 2011, 68, 251-263.	1.4	6
42	Effect of Volume Fraction on Transient Structural Behavior of Aerosol Particles Using Off-Lattice Kinetic Monte Carlo Simulation. Aerosol Science and Technology, 2015, 49, 1242-1255.	1.5	6
43	Measurement of insoluble submicrometer particles and biological materials in seawater to investigate marine aerosol production. Journal of Aerosol Science, 2014, 75, 22-34.	1.8	5
44	Morphological and chemical classification of fine particles over the Yellow Sea during spring, 2015â€“2018. Environmental Pollution, 2022, 305, 119286.	3.7	5
45	Development of a cloud condensation nuclei (CCN) counter using a laser and charge-coupled device (CCD) camera. Frontiers of Environmental Science and Engineering in China, 2011, 5, 313-319.	0.8	4
46	Application of Laser Based Spectroscopic Monitoring into Soil Remediation Process of PAH-Contaminated Soil. Geosystem Engineering, 2011, 14, 15-22.	0.7	4
47	Combination of transmission electron and atomic force microscopy techniques to determine volume equivalent diameter of submicrometer particles. Microscopy Research and Technique, 2012, 75, 505-512.	1.2	4
48	Physicochemical properties and oxidative potential of fine particles produced from coal combustion. Aerosol Science and Technology, 2018, 52, 1134-1144.	1.5	4
49	Mixing State of Size-Selected Submicrometer Particles During Photochemical and Combustion Events Measured with the Tandem System. Aerosol Science and Technology, 2013, 47, 746-754.	1.5	3
50	Mass concentration coupled with mass loading rate for evaluating PM2.5 pollution status in the atmosphere: A case study based on dairy barns. Environmental Pollution, 2015, 207, 374-380.	3.7	3
51	Optical and thermal characteristics of carbonaceous aerosols measured at an urban site in Gwangju, Korea, in the winter of 2011. Journal of the Air and Waste Management Association, 2016, 66, 151-163.	0.9	3
52	The Effect of Particle Morphology on Unipolar Diffusion Charging of Silver Nanowires. Aerosol Science and Technology, 2015, 49, 290-298.	1.5	2
53	Effect of phytoplankton biomass in seawater on chemical properties of sea spray aerosols. Marine Pollution Bulletin, 2016, 110, 231-237.	2.3	2
54	Measurement of Inherent Material Density of Nanoparticle Agglomerates. , 2004, 6, 267.		1

#	Article	IF	Citations
55	Application of laser-induced breakdown spectroscopy for detection of elements in flowback water samples from shale gas wells. Applied Optics, 2020, 59, 2254.	0.9	0