Jungho Hwang

List of Publications by Year
in descending order

192 papers	5,284 citations	101543 36 h-index	114465 63 g-index
195 all docs	195 docs citations	195 times ranked	6233 citing authors

#	Article	IF	Citations
1	Susceptibility constants of Escherichia coli and Bacillus subtilis to silver and copper nanoparticles. Science of the Total Environment, 2007, 373, 572-575.	8.0	753
2	Antimicrobial Effect of Silver Particles on Bacterial Contamination of Activated Carbon Fibers. Environmental Science & Technology, 2008, 42, 1251-1255.	10.0	179
3	Phytofabrication of Silver Nanoparticles by Leaf Extract of <I>Datura metel</I>: Hypothetical Mechanism Involved in Synthesis. Journal of Bionanoscience, 2009, 3, 39-44.	0.4	141
4	Study of the pyrolysis of biomass using thermo-gravimetric analysis (TGA) and concentration measurements of the evolved species. Journal of Analytical and Applied Pyrolysis, 2010, 89, 66-73.	5.5	124
5	Electrohydrodynamic printing of silver nanoparticles by using a focused nanocolloid jet. Applied Physics Letters, 2007, 90, 081905.	3.3	107
6	Spark generation of monometallic and bimetallic aerosol nanoparticles. Journal of Aerosol Science, 2008, 39, 888-896.	3.8	106
7	Study of coal pyrolysis by thermo-gravimetric analysis (TGA) and concentration measurements of the evolved species. Journal of Analytical and Applied Pyrolysis, 2011, 92, 209-216.	5.5	93
8	Study on pyrolysis characteristics of refuse plastic fuel using lab-scale tube furnace and thermogravimetric analysis reactor. Journal of Analytical and Applied Pyrolysis, 2012, 97, 29-38.	5.5	92
9	Co-gasification of coalâ€“biomass blended char with CO2 at temperatures of 900â€“1100 Â°C. Fuel, 2014, 116, 465-470.	6.4	92
10	Fabrication of silver nanowire transparent electrodes using electrohydrodynamic spray deposition for flexible organic solar cells. Journal of Materials Chemistry A, 2013, 1, 14286.	10.3	90
11	Gasification reactivity of biomass chars with CO2. Biomass and Bioenergy, 2010, 34, 1946-1953.	5.7	87
12	Evaluation of Ag nanoparticle coated air filter against aerosolized virus: Anti-viral efficiency with dust loading. Journal of Hazardous Materials, 2016, 301, 547-553.	12.4	84
13	Study of the Effect of Coal Type and Particle Size on Charâ€“CO‹sub›2‹/sub› Gasification via Gas Analysis. Energy & Fuels, 2011, 25, 5044-5054.	5.1	81
14	Removal of submicron particles using a carbon fiber ionizer-assisted medium air filter in a heating, ventilation, and air-conditioning (HVAC) system. Building and Environment, 2011, 46, 1699-1708.	6.9	68
15	Particle charging and agglomeration in DC and AC electric fields. Journal of Electrostatics, 2004, 61, 57-68.	1.9	65
16	Numerical investigation of particle transport hydrodynamics and coal combustion in an industrial-scale circulating fluidized bed combustor: Effects of coal feeder positions and coal feeding rates. Fuel, 2017, 192, 187-200.	6.4	65
17	Collection of submicron particles by an electrostatic precipitator using a dielectric barrier discharge. Journal of Aerosol Science, 2006, 37, 1618-1628.	3.8	61
18	Simultaneous removal of gaseous NOx and SO2 by gas-phase oxidation with ozone and wet scrubbing with sodium hydroxide. Chemical Engineering Journal, 2020, 381, 122601.	12.7	61

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19	CFD modeling for coal size effect on coal gasification in a two-stage commercial entrained-bed gasifier with an improved char gasification model. Applied Energy, 2014, 123, 29-36.	10.1	60
20	Application of corona discharge-generated air ions for filtration of aerosolized virus and inactivation of filtered virus. Journal of Aerosol Science, 2017, 107, 31-40.	3.8	57
21	Prompt and synergistic antibacterial activity of silver nanoparticle-decorated silica hybrid particles on air filtration. Journal of Materials Chemistry B, 2014, 2, 6714-6722.	5.8	56
22	Effects of hydrothermal treatment of sewage sludge on pyrolysis and steam gasification. Energy Conversion and Management, 2015, 103, 401-407.	9.2	56
23	Size distributions of total airborne particles and bioaerosols in a municipal composting facility. Bioresource Technology, 2008, 99, 5150-5154.	9.6	55
24	Removal of gaseous toluene and submicron aerosol particles using a dielectric barrier discharge reactor. Journal of Hazardous Materials, 2010, 175, 417-422.	12.4	55
25	Fabrication of a multi-walled carbon nanotube-deposited glass fiber air filter for the enhancement of nano and submicron aerosol particle filtration and additional antibacterial efficacy. Science of the Total Environment, 2011, 409, 4132-4138.	8.0	55
26	Filtration and inactivation of aerosolized bacteriophage MS2 by a CNT air filter fabricated using electro-aerodynamic deposition. Carbon, 2014, 75, 401-410.	10.3	54
27	Fabrication of silver nanowire coated fibrous air filter medium via a two-step process of electrospinning and electrospray for anti-bioaerosol treatment. Journal of Hazardous Materials, 2021, 411, 125043.	12.4	51
28	Fabrication of an anti-viral air filter with SiO2â€"Ag nanoparticles and performance evaluation in a continuous airflow condition. Journal of Hazardous Materials, 2014, 280, 356-363.	12.4	47
29	Simultaneous removal of odors, airborne particles, and bioaerosols in a municipal composting facility by dielectric barrier discharge. Separation and Purification Technology, 2011, 77, 87-93.	7.9	43
30	Co-gasification of bituminous coalâ€"pine sawdust blended char with H 2 O at temperatures of 750â€"850 Â°C. Fuel, 2015, 156, 26-29.	6.4	43
31	Fabrication of a flexible Ag-grid transparent electrode using ac based electrohydrodynamic Jet printing. Journal Physics D: Applied Physics, 2014, 47, 405102.	2.8	42
32	Antimicrobial Characteristics of Silver Aerosol Nanoparticles againstBacillus subtilisBioaerosols. Environmental Engineering Science, 2008, 25, 289-294.	1.6	41
33	Real-time monitoring of bioaerosols via cell-lysis by air ion and ATP bioluminescence detection. Biosensors and Bioelectronics, 2014, 52, 379-383.	10.1	40
34	Design and evaluation of a silicon based multi-nozzle for addressable jetting using a controlled flow rate in electrohydrodynamic jet printing. Applied Physics Letters, 2008, 93, 243114.	3.3	39
35	Investigation on co-gasification of coal and biomass in Shell gasifier by using a validated gasification model. Fuel, 2017, 196, 371-377.	6.4	39
36	Formation of Ni-catalyzed multiwalled carbon nanotubes and nanofibers on a substrate using an ethylene inverse diffusion flame. Combustion and Flame, 2004, 139, 167-175.	5.2	36

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37	Removal of submicron aerosol particles and bioaerosols using carbon fiber ionizer assisted fibrous medium filter media. Journal of Mechanical Science and Technology, 2009, 23, 1846-1851.	1.5	36
38	Removal of PM2.5 entering through the ventilation duct in an automobile using a carbon fiber ionizer-assisted cabin air filter. Journal of Aerosol Science, 2010, 41, 935-943.	3.8	36
39	Spray deposition of electrohydrodynamically atomized polymer mixture for active layer fabrication in organic photovoltaics. Solar Energy Materials and Solar Cells, 2011, 95, 352-356.	6.2	36
40	Micromachined cascade virtual impactor with a flow rate distributor for wide range airborne particle classification. Applied Physics Letters, 2007, 91, .	3.3	35
41	Application of air ions for bacterial de-colonization in air filters contaminated by aerosolized bacteria. Science of the Total Environment, 2011, 409, 748-755.	8.0	35
42	Flue Gas Desulfurization with an Electrostatic Spraying Absorber. Energy & Fuels, 2008, 22, 1041-1045.	5.1	34
43	Co-gasification of coalâ€“biomass blended char with CO 2 and H 2 O: Effect of partial pressure of the gasifying agent on reaction kinetics. Fuel, 2015, 162, 234-238.	6.4	34
44	Continuous and real-time bioaerosol monitoring by combined aerosol-to-hydrosol sampling and ATP bioluminescence assay. Analytica Chimica Acta, 2016, 941, 101-107.	5.4	34
45	Pyrolysis Characteristics of Refuse Derived Fuel in a Pilot-Scale Unit. Energy & Fuels, 2007, 21, 3730-3734.	5.1	33
46	Morphology of metallic nanoparticles as a function of deposition time in electroless deposition of metal on multi-walled carbon nanotubes. Surface and Coatings Technology, 2008, 203, 357-363.	4.8	33
47	Integrated particle detection chip for environmental monitoring. Lab on A Chip, 2008, 8, 1950.	6.0	32
48	Prediction of drop-on-demand (DOD) pattern size in pulse voltage-applied electrohydrodynamic (EHD) jet printing of Ag colloid ink. Applied Physics A: Materials Science and Processing, 2014, 117, 2225-2234.	2.3	32
49	3-D CFD Modeling for Parametric Study in a 300-MWe One-Stage Oxygen-Blown Entrained-Bed Coal Gasifier. Energies, 2015, 8, 4216-4236.	3.1	32
50	Single and Combined Removal of HCl and Alkali Metal Vapor from High-temperature Gas by Solid Sorbents. Energy & Fuels, 2007, 21, 1019-1023.	5.1	31
51	Kinetic Study in Modeling Pyrolysis of Refuse Plastic Fuel. Energy & Fuels, 2007, 21, 1442-1447.	5.1	29
52	New bio-aerosol collector using a micromachined virtual impactor. Journal of Aerosol Science, 2009, 40, 415-422.	3.8	29
53	Transient behavior of devolatilization and char reaction during steam gasification of biomass. Bioresource Technology, 2013, 133, 429-436.	9.6	29
54	Numerical simulation of a dense flow cyclone using the kinetic theory of granular flow in a dense discrete phase model. Powder Technology, 2019, 356, 129-138.	4.2	29

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55	Development of Rapid Assessment Method to Determine Bacterial Viability Based on Ultraviolet and Visible (UV-Vis) Spectroscopy Analysis Including Application to Bioaerosols. Aerosol and Air Quality Research, 2012, 12, 399-408.	2.1	28
56	Characteristics of electroless copper-deposited activated carbon fibers for antibacterial action and adsorptionâ€"desorption of volatile organic compounds. Carbon, 2007, 45, 2313-2316.	10.3	27
57	Ambient spark generation to synthesize carbon-encapsulated metal nanoparticles in continuous aerosol manner. Nanoscale, 2009, 1, 339.	5.6	27
58	Fabrication of ordered bulk heterojunction organic photovoltaic cells using nanopatterning and electrohydrodynamic spray deposition methods. Nanoscale, 2012, 4, 7773.	5.6	27
59	Design and evaluation of single nozzle with a non-conductive tip for reducing applied voltage and pattern width in electrohydrodynamic jet printing (EHDP). Journal of Micromechanics and Microengineering, 2010, 20, 055009.	2.6	26
60	Kinetic study on coalâ€"biomass mixed char co-gasification with H2O in the presence of H2. Fuel, 2016, 181, 1066-1073.	6.4	26
61	Removal of tar component over cracking catalysts from high temperature fuel gas. Energy Conversion and Management, 2008, 49, 2247-2253.	9.2	25
62	Design and Application of an Inertial Impactor in Combination with an ATP Bioluminescence Detector for In Situ Rapid Estimation of the Efficacies of Air Controlling Devices on Removal of Bioaerosols. Environmental Science & Technology, 2010, 44, 1742-1746.	10.0	25
63	Fast Monitoring of Indoor Bioaerosol Concentrations with ATP Bioluminescence Assay Using an Electrostatic Rod-Type Sampler. PLoS ONE, 2015, 10, e0125251.	2.5	25
64	Susceptibility constants of airborne bacteria to dielectric barrier discharge for antibacterial performance evaluation. Journal of Hazardous Materials, 2013, 244-245, 421-428.	12.4	24
65	Hierarchical ZnO nano-spines grown on a carbon fiber seed layer for efficient VOC removal and airborne virus and bacteria inactivation. Journal of Hazardous Materials, 2022, 424, 127262.	12.4	24
66	Filtration of Submicron Aerosol Particles Using a Carbon Fiber Ionizer-assisted Electret Filter. Aerosol and Air Quality Research, 2011, 11, 811-821.	2.1	23
67	Direct pattern formation of bacterial cells using micro-droplets generated by electrohydrodynamic forces. Microfluidics and Nanofluidics, 2009, 7, 829-839.	2.2	22
68	One-pass antibacterial efficacy of bipolar air ions against aerosolized Staphylococcus epidermidis in a duct flow. Journal of Aerosol Science, 2014, 69, 71-81.	3.8	22
69	A batch-by-batch free route for the continuous production of black phosphorus nanosheets for targeted combination cancer therapy. NPG Asia Materials, 2018, 10, 727-739.	7.9	22
70	Catalytic Activation of Activated Carbon Fibers via Palladium Aerosol Nanoparticles for Use in Electroless Silver Deposition. Journal of Physical Chemistry C, 2008, 112, 3627-3632.	3.1	21
71	Structuring of conductive silver line by electrohydrodynamic jet printing and its electrical characterization. Journal of Physics: Conference Series, 2008, 142, 012039.	0.4	21
72	Determination of Air Filter Anti-Viral Efficiency against an Airborne Infectious Virus. Journal of Hazardous Materials, 2020, 396, 122640.	12.4	21

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73	Removal of volatile organic compounds by spark generated carbon aerosol particles. Carbon, 2006, 44, 2106-2108.	10.3	20
74	Electroless copper deposition on a pitch-based activated carbon fiber and an application for NO removal. Surface and Coatings Technology, 2008, 202, 3571-3578.	4.8	20
75	Aerosol-to-Hydrosol Sampling and Simultaneous Enrichment of Airborne Bacteria For Rapid Biosensing. ACS Sensors, 2020, 5, 2763-2771.	7.8	20
76	On-demand electrohydrodynamic jetting with meniscus control by a piezoelectric actuator for ultra-fine patterns. Journal of Micromechanics and Microengineering, 2009, 19, 107001.	2.6	19
77	Effects of condensational growth on culturability of airborne bacteria: Implications for sampling and control of bioaerosols. Journal of Aerosol Science, 2011, 42, 213-223.	3.8	19
78	An integrated system of air sampling and simultaneous enrichment for rapid biosensing of airborne coronavirus and influenza virus. Biosensors and Bioelectronics, 2020, 170, 112656.	10.1	19
79	Photothermally Modulatable and Structurally Disintegratable Sub-8-nm Au1Ag9 Embedded Nanoblocks for Combination Cancer Therapy Produced by Plug-in Assembly. ACS Nano, 2020, 14, 11040-11054.	14.6	19
80	Synthesis of carbon nanotubes on a catalytic metal substrate by using an ethylene inverse diffusion flame. Carbon, 2004, 42, 682-685.	10.3	18
81	Development and performance test of a micromachined unipolar charger for measurements of submicron aerosol particles having a log-normal size distribution. Journal of Aerosol Science, 2010, 41, 490-500.	3.8	18
82	Correlation between the Antibacterial Ability of Silver Nanoparticle Coated Air Filters and the Dust Loading. Aerosol and Air Quality Research, 2013, 13, 1009-1018.	2.1	18
83	High air flow-rate electrostatic sampler for the rapid monitoring of airborne coronavirus and influenza viruses. Journal of Hazardous Materials, 2021, 412, 125219.	12.4	18
84	Drop-on-demand hybrid printing using a piezoelectric MEMS printhead at various waveforms, high voltages and jetting frequencies. Journal of Micromechanics and Microengineering, 2013, 23, 065011.	2.6	17
85	Effect of relative humidity and disk acceleration on tribocharge build-up at a sliderâ€"disk interface. Tribology International, 2007, 40, 1253-1257.	5.9	16
86	Anti-agglomeration of spark discharge-generated aerosols via unipolar air ions. Journal of Aerosol Science, 2014, 67, 144-156.	3.8	16
87	Feasibility study of a combined Ocean Thermal Energy Conversion method in South Korea. Energy, 2014, 75, 443-452.	8.8	16
88	MEMS-based particle detection system for measuring airborne ultrafine particles. Sensors and Actuators A: Physical, 2018, 283, 235-244.	4.1	16
89	Increased survivability of coronavirus and H1N1 influenza virus under electrostatic aerosol-to-hydrosol sampling. Journal of Hazardous Materials, 2021, 413, 125417.	12.4	16
90	Characteristics of Submicron-sized Aerosol Filtration and Pressure Drop of an Electret Filter Installed in an Air Diffuser in a Residential Apartment Unit. Aerosol and Air Quality Research, 2011, 11, 80-89.	2.1	16

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91	Dry Aerosol Coating of Anti-viral Particles on Commercial Air Filters Using a High-volume Flow Atomizer. Aerosol and Air Quality Research, 2019, 19, 1636-1644.	2.1	15
92	A novel and facile synthesis of Ag-doped TiO2 nanofiber for airborne virus/bacteria inactivation and VOC elimination under visible light. Applied Surface Science, 2022, 599, 153930.	6.1	15
93	Thermophoretic deposition of palladium aerosol nanoparticles for electroless micropatterning of copper. Electrochemistry Communications, 2008, 10, 1272-1275.	4.7	14
94	Methodology for Modeling the Microbial Contamination of Air Filters. PLoS ONE, 2014, 9, e88514.	2.5	14
95	Detection of airborne viruses using electro-aerodynamic deposition and a field-effect transistor. Scientific Reports, 2015, 5, 17462.	3.3	14
96	Plug-In Safe-by-Design Nanoinorganic Antibacterials. ACS Nano, 2019, 13, 12798-12809.	14.6	14
97	Charge distributions of aerosol dioctyl sebacate particles charged in a dielectric barrier discharger. Journal of Aerosol Science, 2008, 39, 460-466.	3.8	13
98	Site-Selective Catalytic Surface Activation via Aerosol Nanoparticles for Use in Metal Micropatterning. Langmuir, 2008, 24, 5949-5954.	3.5	13
99	Microscopic energy conversion process in the ion drift region of electrohydrodynamic flow. Applied Physics Letters, 2012, 100, .	3.3	13
100	Deposition of Charged Aerosol Particles on a Substrate by Collimating Through an Electric Field Assisted Coaxial Flow Nozzle. Aerosol Science and Technology, 2013, 47, 512-519.	3.1	13
101	Oil mist collection and oil mist-to-gas conversion via dielectric barrier discharge at atmospheric pressure. Separation and Purification Technology, 2015, 151, 324-331.	7.9	13
102	The effect of CO on coalâ€“biomass co-gasification with CO2. Fuel, 2017, 188, 98-101.	6.4	13
103	Effects of vortex finder length on flow field and collection efficiency of cyclone in an industrialâ€scale circulating fluidized bed boiler: Numerical study. International Journal of Energy Research, 2020, 44, 7229-7241.	4.5	13
104	Co-firing of paper sludge with high-calorific industrial wastes in a pilot-scale nozzle-grate incinerator. Journal of Hazardous Materials, 2003, 101, 273-283.	12.4	12
105	Full-Scale Fire Test of an Intercity Train Car. Fire Technology, 2016, 52, 1559-1574.	3.0	12
106	Artificial Nanoscale Erythrocytes from Clinically Relevant Compounds for Enhancing Cancer Immunotherapy. Nano-Micro Letters, 2020, 12, 90.	27.0	12
107	Fabrication of a Metal Membrane on a Perforated Polymer Substrate by Palladium Aerosol Activation and Subsequent Electroless Plating. ACS Applied Materials & Interfaces, 2009, 1, 261-265.	8.0	11
108	Size Control of Chitosan Capsules Containing Insulin for Oral Drug Delivery via a Combined Process of Ionic Gelation with Electrohydrodynamic Atomization. Industrial & Engineering Chemistry Research, 2011, 50, 13762-13770.	3.7	11

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109	A comprehensive study on co-pyrolysis of bituminous coal and pine sawdust using TG. Journal of Thermal Analysis and Calorimetry, 2015, 120, 1867-1875.	3.6	11
110	Methodology to set up nozzle-to-substrate gap for high resolution electrohydrodynamic jet printing. Applied Physics Letters, 2016, 109, .	3.3	11
111	Comparison of lab-made electrostatic rod-type sampler with single stage viable impactor for identification of indoor airborne bacteria. Journal of Aerosol Science, 2018, 115, 190-197.	3.8	11
112	Prevention of damage caused by corona discharge-generated reactive oxygen species under electrostatic aerosol-to-hydrosol sampling. Journal of Hazardous Materials, 2020, 384, 121477.	12.4	11
113	Continuous measurement of PM10 and PM2.5 concentration in coal-fired power plant stacks using a newly developed diluter and optical particle counter. Fuel, 2020, 269, 117445.	6.4	11
114	Particle deposition on a rotating disk in application to vapor axial deposition (VAD) process. Journal of Aerosol Science, 1998, 29, 99-114.	3.8	10
115	Design and evaluation of a unipolar aerosol charger to generate highly charged micron-sized aerosol particles. Journal of Electrostatics, 2011, 69, 126-132.	1.9	10
116	Electric propulsion using an alternating positive/negative corona discharge configuration composed of wire emitters and wire collector arrays in air. Applied Physics Letters, 2011, 99, .	3.3	10
117	Development of a new dilution system for continuous measurement of particle concentration in the exhaust from a coal-fired power plant. Fuel, 2019, 257, 116045.	6.4	10
118	MEMS-based condensation particle growth chip for optically measuring the airborne nanoparticle concentration. Lab on A Chip, 2019, 19, 1471-1483.	6.0	10
119	In situ lysis droplet supply to efficiently extract ATP from dust particles for near-real-time bioaerosol monitoring. Journal of Hazardous Materials, 2019, 369, 684-690.	12.4	10
120	Evaporation-condensation in the presence of unipolar ionic flow for solvent-free production of ultrasmall antibacterial particles. Chemical Engineering Journal, 2020, 381, 122639.	12.7	10
121	Computational Fluid Dynamic Modelling of Particle Charging and Collection in a Wire-to-Plate Type Single-Stage Electrostatic Precipitator. Aerosol and Air Quality Research, 2018, 18, 590-601.	2.1	10
122	A Study of Particle Charging for Electric Field Enhanced Deposition. Aerosol Science and Technology, 1992, 16, 113-125.	3.1	9
123	Formation of Ceramic Nanoparticle Patterns Using Electrohydrodynamic Jet Printing with Pin-to-Pin Electrodes. Japanese Journal of Applied Physics, 2008, 47, 1723-1725.	1.5	9
124	Collection and decomposition of oil mist via corona discharge and surface dielectric barrier discharge. Journal of Hazardous Materials, 2021, 411, 125038.	12.4	9
125	Nano-dry-salt deposition on electret nonwoven confers anticoronaviral effect while retaining aerosol filtration performance. Environmental Science: Nano, 2021, 8, 2780-2791.	4.3	9
126	Estimations of heat release rate curve of railcar fire. Journal of Mechanical Science and Technology, 2013, 27, 1665-1670.	1.5	8

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127	AN EXPERIMENTAL STUDY ON PERFORMANCE IMPROVEMENT FOR AN AIR SOURCE HEAT PUMP BY ALTERNATE DEFROSTING OF OUTDOOR HEAT EXCHANGER. International Journal of Air-Conditioning and Refrigeration, 2014, 22, 1450017.	0.7	8
128	Competition between H2O and CO2 for active sites during co-gasification of bituminous coal and pineapple sawdust in an atmosphere containing H2O, CO2, H2, and CO. Fuel, 2017, 207, 198-203.	6.4	8
129	Assessment of indoor bioaerosols using a lab-made virtual impactor. Aerosol Science and Technology, 2017, 51, 159-167.	3.1	8
130	Study on the Simultaneous Measurement of O₂ and CO Concentrations in the Exhaust Gas of a Methane/Air Flame Using Tunable Diode Laser Absorption Spectroscopy. Energy & Fuels, 2020, 34, 3780-3787.	5.1	8
131	Reduction of submicron-sized aerosols emission in electrostatic precipitation by electrical attraction with micron-sized aerosols. Powder Technology, 2021, 377, 882-889.	4.2	8
132	Dry process for SO2 and NOx removal via gas-to-particle conversion with ozone and ammonia injection. Separation and Purification Technology, 2022, 281, 119835.	7.9	8
133	A Quantitative Determination of the Antibacterial Efficiency of Fibrous Air Filters Based on the Disc Diffusion Method. Aerosol and Air Quality Research, 2014, 14, 928-933.	2.1	8
134	Electric field enhanced deposition in flame-synthesized materials manufacturing. Journal of Aerosol Science, 1995, 26, 5-18.	3.8	7
135	Deposition of polydisperse particles in a Falkner-Skan wedge flow. Journal of Aerosol Science, 1996, 27, 249-261.	3.8	7
136	Investigation of contamination particle's trajectory in a slider disk interface. IEEE Transactions on Magnetics, 2000, 36, 2739-2741.	2.1	7
137	Measurements of particle size distribution and average particle charge in operating a hard disk drive. Microsystem Technologies, 2005, 11, 1223-1229.	2.0	7
138	Realâ€Time Measurement of the Size Distribution of Diesel Exhaust Particles using a Portable 4â€stage Electrical Low Pressure Impactor. Particle and Particle Systems Characterization, 2009, 26, 179-186.	2.3	7
139	Design and performance test of a multi-channel diffusion charger for real-time measurements of submicron aerosol particles having a unimodal log-normal size distribution. Journal of Aerosol Science, 2009, 40, 858-867.	3.8	7
140	Wall loss reduction technique using an electrodynamic disturbance for airborne particle processing chip applications. Journal of Micromechanics and Microengineering, 2010, 20, 035034.	2.6	7
141	Continuous Coaxial Electrohydrodynamic Atomization System for Waterâ€Stable Wrapping of Magnetic Nanoparticles. Small, 2013, 9, 2325-2330.	10.0	7
142	Maskless, site-selective, nanoaerosol deposition via electro-aerodynamic jet to enhance the performance of flexible Ag-grid transparent electrodes. RSC Advances, 2015, 5, 44847-44852.	3.6	7
143	Ultrafine particle counter using a MEMS-based particle processing chip. , 2015, , .		7
144	Thermal decomposition characteristics of expired single-based propellant using a lab-scale tube furnace and a thermo-gravimetric analysis reactor. Journal of Thermal Analysis and Calorimetry, 2016, 124, 657-665.	3.6	7

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145	Plug-and-Play Continuous Gas Flow Assembly of Cysteine-Inserted AuCu Nanobimetals for Folate-Receptor-Targeted Chemo-Phototherapy. ACS Applied Materials & Interfaces, 2019, 11, 17193-17203.	8.0	7
146	Measurement of Temperature and H2O Concentration in Premixed CH4/Air Flame Using Two Partially Overlapped H2O Absorption Signals in the Near Infrared Region. Applied Sciences (Switzerland), 2021, 11, 3701.	2.5	7
147	Characterization of a vapor axial deposition (VAD) flame impinging on a disk for a study o felectric field enhanced deposition. Experimental Thermal and Fluid Science, 1994, 8, 58-66.	2.7	6
148	Observation Evaluation of Nozzle Clogging in a Micro-orifice Impactor Used for Atmospheric Aerosol Sampling. Particulate Science and Technology, 2006, 24, 85-96.	2.1	6
149	Emission of submicron aerosol particles in operating a laser beam printer. International Journal of Precision Engineering and Manufacturing, 2009, 10, 33-36.	2.2	6
150	A hybrid chip based on aerodynamics and electrostatics for the size-dependent classification of ultrafine and nano particles. Lab on A Chip, 2009, 9, 2722.	6.0	6
151	Plug-and-play safe-by-design production of metal-doped tellurium nanoparticles with safer antimicrobial activities. Environmental Science: Nano, 2019, 6, 2074-2083.	4.3	6
152	Micromachined cascade virtual impactor for aerodynamic size classification of airborne particles. , 2007, , .		5
153	Application and performance test of a micro-machined unipolar charger for real-time measurements of exhaust particles from a diesel engine vehicle. Journal of Aerosol Science, 2011, 42, 747-758.	3.8	5
154	Design and Performance Test of a Lab-Made Single-Stage Low-Pressure Impactor for Morphology Analysis of Diesel Exhaust Particles. Aerosol Science and Technology, 2015, 49, 895-901.	3.1	5
155	Real-time separation of aerosolized Staphylococcus epidermidis and polystyrene latex particles with similar size distributions. Aerosol Science and Technology, 2017, 51, 1389-1397.	3.1	5
156	Size classification of airborne particle for air-based lab-on-a-chip using micromachined electrical mobility analyzer. Current Applied Physics, 2009, 9, e308-e310.	2.4	4
157	Site-specific growth and density control of carbon nanotubes by direct deposition of catalytic nanoparticles generated by spark discharge. Nanoscale Research Letters, 2013, 8, 409.	5.7	4
158	Particle size spectrometer using inertial classification and electrical measurement techniques for real-time monitoring of particle size distribution. Lab on A Chip, 2018, 18, 2642-2652.	6.0	4
159	Training an artificial neural network for recognizing electron collision patterns. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 387, 127005.	2.1	4
160	Effects of bioâ€syngas <scp> CO ₂ </scp> concentration on waterâ€gas shift and side reactions with <scp>Feâ€Cr</scp> based catalyst. International Journal of Energy Research, 2021, 45, 1857-1866.	4.5	4
161	Reusable surface amplified nanobiosensor for the sub PFU/mL level detection of airborne virus. Scientific Reports, 2021, 11, 16776.	3.3	4
162	Micromachined electrical mobility analyzer for wide range airborne particle classification. Proceedings of the IEEE International Conference on Micro Electro Mechanical Systems (MEMS), 2008, , .	0.0	3

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163	Design of electrohydrodynamic lens for stabilizing of eletrohydrodynamic jet printing. Journal of Physics: Conference Series, 2008, 142, 012053.	0.4	3
164	Electrohydrodynamic Jet Printing Capable of Removing Substrate Effects and Modulating Printing Characteristics. , 2009, , .		3
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