

Jungho Hwang

List of Publications by Year in descending order

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192
papers

5,284
citations

101543

36
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114465

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195
all docs

195
docs citations

195
times ranked

6233
citing authors

#	ARTICLE	IF	CITATIONS
1	Dry process for SO ₂ and NO _x removal via gas-to-particle conversion with ozone and ammonia injection. Separation and Purification Technology, 2022, 281, 119835.	7.9	8
2	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
3	Particle resolved numerical modeling of unsteady forced convection of nanofluid around a porous cuboid with sinusoidal inlet velocity. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2022, 77, 487-505.	1.5	0
4	Effects of nanosized water droplet generation on number concentration measurement of virus aerosols when using an airblast atomizer. Scientific Reports, 2022, 12, 6546.	3.3	1
5	A novel and facile synthesis of Ag-doped TiO ₂ nanofiber for airborne virus/bacteria inactivation and VOC elimination under visible light. Applied Surface Science, 2022, 599, 153930.	6.1	15
6	Development of a sampling probe with a small non-isokinetic sampling error in variable flow velocity environments. Aerosol Science and Technology, 2022, 56, 906-916.	3.1	0
7	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
8	Effects of bio-syngas CO ₂ concentration on water-gas shift and side reactions with Fe-Cr based catalyst. International Journal of Energy Research, 2021, 45, 1857-1866.	4.5	4
9	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
10	Measurement of Temperature and H ₂ O Concentration in Premixed CH ₄ /Air Flame Using Two Partially Overlapped H ₂ O Absorption Signals in the Near Infrared Region. Applied Sciences (Switzerland), 2021, 11, 3701.	2.5	7
11	Bioaerosol: A Key Vessel between Environment and Health. Frontiers of Environmental Science and Engineering, 2021, 15, 49.	6.0	3
12	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
13	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
14	Collection and decomposition of oil mist via corona discharge and surface dielectric barrier discharge. Journal of Hazardous Materials, 2021, 411, 125038.	12.4	9
15	Increased survivability of coronavirus and H1N1 influenza virus under electrostatic aerosol-to-hydrosol sampling. Journal of Hazardous Materials, 2021, 413, 125417.	12.4	16
16	Reusable surface amplified nanobiosensor for the sub PFU/mL level detection of airborne virus. Scientific Reports, 2021, 11, 16776.	3.3	4
17	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
18	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

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19	Prevention of damage caused by corona discharge-generated reactive oxygen species under electrostatic aerosol-to-hydrosol sampling. <i>Journal of Hazardous Materials</i> , 2020, 384, 121477.	12.4	11
20	Simultaneous removal of gaseous NO _x and SO ₂ by gas-phase oxidation with ozone and wet scrubbing with sodium hydroxide. <i>Chemical Engineering Journal</i> , 2020, 381, 122601.	12.7	61
21	An integrated system of air sampling and simultaneous enrichment for rapid biosensing of airborne coronavirus and influenza virus. <i>Biosensors and Bioelectronics</i> , 2020, 170, 112656.	10.1	19
22	Two-step numerical procedure on the removal process of gaseous potassium chloride generated from waste incineration via the injection of sulfate-based additives. <i>Waste Management</i> , 2020, 107, 36-43.	7.4	0
23	Detection Limit of CO Concentration Measurement in LPG/Air Flame Flue Gas Using Tunable Diode Laser Absorption Spectroscopy. <i>Energies</i> , 2020, 13, 4234.	3.1	3
24	Photothermally Modulatable and Structurally Disintegratable Sub-8-nm Au ₁ Ag ₉ Embedded Nanoblocks for Combination Cancer Therapy Produced by Plug-in Assembly. <i>ACS Nano</i> , 2020, 14, 11040-11054.	14.6	19
25	Aerosol-to-Hydrosol Sampling and Simultaneous Enrichment of Airborne Bacteria For Rapid Biosensing. <i>ACS Sensors</i> , 2020, 5, 2763-2771.	7.8	20
26	Continuous measurement of PM ₁₀ and PM _{2.5} concentration in coal-fired power plant stacks using a newly developed diluter and optical particle counter. <i>Fuel</i> , 2020, 269, 117445.	6.4	11
27	Numerical investigation of the separation mechanism in an electrostatic aerosol-to-hydrosol separator by glow corona discharge: a quantitative comparison of the effects of ionic wind and Coulomb force. <i>Plasma Sources Science and Technology</i> , 2020, 29, 075008.	3.1	1
28	Study on the Simultaneous Measurement of O ₂ and CO Concentrations in the Exhaust Gas of a Methane/Air Flame Using Tunable Diode Laser Absorption Spectroscopy. <i>Energy & Fuels</i> , 2020, 34, 3780-3787.	5.1	8
29	Effects of vortex finder length on flow field and collection efficiency of cyclone in an industrial-scale circulating fluidized bed boiler: Numerical study. <i>International Journal of Energy Research</i> , 2020, 44, 7229-7241.	4.5	13
30	Artificial Nanoscale Erythrocytes from Clinically Relevant Compounds for Enhancing Cancer Immunotherapy. <i>Nano-Micro Letters</i> , 2020, 12, 90.	27.0	12
31	Determination of Air Filter Anti-Viral Efficiency against an Airborne Infectious Virus. <i>Journal of Hazardous Materials</i> , 2020, 396, 122640.	12.4	21
32	Numerical simulation of a dense flow cyclone using the kinetic theory of granular flow in a dense discrete phase model. <i>Powder Technology</i> , 2019, 356, 129-138.	4.2	29
33	Plug-In Safe-by-Design Nanoinorganic Antibacterials. <i>ACS Nano</i> , 2019, 13, 12798-12809.	14.6	14
34	Development of a new dilution system for continuous measurement of particle concentration in the exhaust from a coal-fired power plant. <i>Fuel</i> , 2019, 257, 116045.	6.4	10
35	Simulated experiments with TiO ₂ particles using a lab-designed single-stage impactor to evaluate impaction characteristics of particles leaked by steam generator tube rupture. <i>JMST Advances</i> , 2019, 1, 205-211.	1.9	0
36	Utilizing deactivated catalysts from the nitric oxide removal process for the fabrication of metal oxide/carbon supercapacitors. <i>Green Chemistry</i> , 2019, 21, 491-497.	9.0	3

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37	Plug-and-play safe-by-design production of metal-doped tellurium nanoparticles with safer antimicrobial activities. <i>Environmental Science: Nano</i> , 2019, 6, 2074-2083.	4.3	6
38	Plug-and-Play Continuous Gas Flow Assembly of Cysteine-Inserted AuCu Nanobimetals for Folate-Receptor-Targeted Chemo-Phototherapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17193-17203.	8.0	7
39	MEMS-based condensation particle growth chip for optically measuring the airborne nanoparticle concentration. <i>Lab on A Chip</i> , 2019, 19, 1471-1483.	6.0	10
40	In situ lysis droplet supply to efficiently extract ATP from dust particles for near-real-time bioaerosol monitoring. <i>Journal of Hazardous Materials</i> , 2019, 369, 684-690.	12.4	10
41	Reconfigurable plug-and-play assembly for the continuous production of composite anodes for modulating lithium storage. <i>Chemical Engineering Journal</i> , 2019, 364, 485-492.	12.7	3
42	MEMS Based Particle Size Analyzer Using Electrostatic Measuring Techniques. , 2019, , .		3
43	Dry Aerosol Coating of Anti-viral Particles on Commercial Air Filters Using a High-volume Flow Atomizer. <i>Aerosol and Air Quality Research</i> , 2019, 19, 1636-1644.	2.1	15
44	Comparison of lab-made electrostatic rod-type sampler with single stage viable impactor for identification of indoor airborne bacteria. <i>Journal of Aerosol Science</i> , 2018, 115, 190-197.	3.8	11
45	Numerical investigation for the effect of electro-aerodynamic nanoparticle deposition on the performance of a metal grid type transparent electrode. <i>Journal of Aerosol Science</i> , 2018, 116, 48-56.	3.8	0
46	MEMS-based particle detection system for measuring airborne ultrafine particles. <i>Sensors and Actuators A: Physical</i> , 2018, 283, 235-244.	4.1	16
47	Particle size spectrometer using inertial classification and electrical measurement techniques for real-time monitoring of particle size distribution. <i>Lab on A Chip</i> , 2018, 18, 2642-2652.	6.0	4
48	A batch-by-batch free route for the continuous production of black phosphorus nanosheets for targeted combination cancer therapy. <i>NPG Asia Materials</i> , 2018, 10, 727-739.	7.9	22
49	Computational Fluid Dynamic Modelling of Particle Charging and Collection in a Wire-to-Plate Type Single-Stage Electrostatic Precipitator. <i>Aerosol and Air Quality Research</i> , 2018, 18, 590-601.	2.1	10
50	Aerosol particle size spectrometer using a micromachined cascade impactor. , 2017, , .		2
51	Application of corona discharge-generated air ions for filtration of aerosolized virus and inactivation of filtered virus. <i>Journal of Aerosol Science</i> , 2017, 107, 31-40.	3.8	57
52	Investigation on co-gasification of coal and biomass in Shell gasifier by using a validated gasification model. <i>Fuel</i> , 2017, 196, 371-377.	6.4	39
53	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. <i>Fuel</i> , 2017, 192, 187-200.	6.4	65
54	Application of Moment Method for Predicting Condensational Growth of Nuclear Aerosols in a Severe Accident. <i>Nuclear Technology</i> , 2017, 200, 241-249.	1.2	1

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55	Real-time separation of aerosolized <i>Staphylococcus epidermidis</i> and polystyrene latex particles with similar size distributions. <i>Aerosol Science and Technology</i> , 2017, 51, 1389-1397.	3.1	5
56	Competition between H ₂ O and CO ₂ for active sites during co-gasification of bituminous coal and pineapple sawdust in an atmosphere containing H ₂ O, CO ₂ , H ₂ , and CO. <i>Fuel</i> , 2017, 207, 198-203.	6.4	8
57	Assessment of indoor bioaerosols using a lab-made virtual impactor. <i>Aerosol Science and Technology</i> , 2017, 51, 159-167.	3.1	8
58	The effect of CO on coal-biomass co-gasification with CO ₂ . <i>Fuel</i> , 2017, 188, 98-101.	6.4	13
59	Methodology to set up nozzle-to-substrate gap for high resolution electrohydrodynamic jet printing. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	11
60	Kinetic study on coal-biomass mixed char co-gasification with H ₂ O in the presence of H ₂ . <i>Fuel</i> , 2016, 181, 1066-1073.	6.4	26
61	Thermal decomposition characteristics of expired single-based propellant using a lab-scale tube furnace and a thermo-gravimetric analysis reactor. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 124, 657-665.	3.6	7
62	Continuous and real-time bioaerosol monitoring by combined aerosol-to-hydrosol sampling and ATP bioluminescence assay. <i>Analytica Chimica Acta</i> , 2016, 941, 101-107.	5.4	34
63	A micromachined corona-based unipolar aerosol charger having separated ionization and charging zones for reducing the electrical losses of charged particles. , 2016, , .		2
64	Evaluation of Ag nanoparticle coated air filter against aerosolized virus: Anti-viral efficiency with dust loading. <i>Journal of Hazardous Materials</i> , 2016, 301, 547-553.	12.4	84
65	Full-Scale Fire Test of an Intercity Train Car. <i>Fire Technology</i> , 2016, 52, 1559-1574.	3.0	12
66	Detection of airborne viruses using electro-aerodynamic deposition and a field-effect transistor. <i>Scientific Reports</i> , 2015, 5, 17462.	3.3	14
67	Circuitual characterisation of space-charge motion with a time-varying applied bias. <i>Scientific Reports</i> , 2015, 5, 11738.	3.3	2
68	Fast Monitoring of Indoor Bioaerosol Concentrations with ATP Bioluminescence Assay Using an Electrostatic Rod-Type Sampler. <i>PLoS ONE</i> , 2015, 10, e0125251.	2.5	25
69	Maskless, site-selective, nanoaerosol deposition via electro-aerodynamic jet to enhance the performance of flexible Ag-grid transparent electrodes. <i>RSC Advances</i> , 2015, 5, 44847-44852.	3.6	7
70	Ultrafine particle counter using a MEMS-based particle processing chip. , 2015, , .		7
71	Design and Performance Test of a Lab-Made Single-Stage Low-Pressure Impactor for Morphology Analysis of Diesel Exhaust Particles. <i>Aerosol Science and Technology</i> , 2015, 49, 895-901.	3.1	5
72	A comprehensive study on co-pyrolysis of bituminous coal and pine sawdust using TG. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 120, 1867-1875.	3.6	11

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73	Co-gasification of bituminous coal–pine sawdust blended char with H ₂ O at temperatures of 750–850 °C. <i>Fuel</i> , 2015, 156, 26-29.	6.4	43
74	Oil mist collection and oil mist-to-gas conversion via dielectric barrier discharge at atmospheric pressure. <i>Separation and Purification Technology</i> , 2015, 151, 324-331.	7.9	13
75	Effects of hydrothermal treatment of sewage sludge on pyrolysis and steam gasification. <i>Energy Conversion and Management</i> , 2015, 103, 401-407.	9.2	56
76	3-D CFD Modeling for Parametric Study in a 300-MWe One-Stage Oxygen-Blown Entrained-Bed Coal Gasifier. <i>Energies</i> , 2015, 8, 4216-4236.	3.1	32
77	Co-gasification of coal–biomass blended char with CO ₂ and H ₂ O: Effect of partial pressure of the gasifying agent on reaction kinetics. <i>Fuel</i> , 2015, 162, 234-238.	6.4	34
78	Methodology for Modeling the Microbial Contamination of Air Filters. <i>PLoS ONE</i> , 2014, 9, e88514.	2.5	14
79	AN EXPERIMENTAL STUDY ON PERFORMANCE IMPROVEMENT FOR AN AIR SOURCE HEAT PUMP BY ALTERNATE DEFROSTING OF OUTDOOR HEAT EXCHANGER. <i>International Journal of Air-Conditioning and Refrigeration</i> , 2014, 22, 1450017.	0.7	8
80	Prediction of drop-on-demand (DOD) pattern size in pulse voltage-applied electrohydrodynamic (EHD) jet printing of Ag colloid ink. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 117, 2225-2234.	2.3	32
81	Co-gasification of coal–biomass blended char with CO ₂ at temperatures of 900–1100 °C. <i>Fuel</i> , 2014, 116, 465-470.	6.4	92
82	Real-time monitoring of bioaerosols via cell-lysis by air ion and ATP bioluminescence detection. <i>Biosensors and Bioelectronics</i> , 2014, 52, 379-383.	10.1	40
83	Anti-agglomeration of spark discharge-generated aerosols via unipolar air ions. <i>Journal of Aerosol Science</i> , 2014, 67, 144-156.	3.8	16
84	Feasibility study of a combined Ocean Thermal Energy Conversion method in South Korea. <i>Energy</i> , 2014, 75, 443-452.	8.8	16
85	Prompt and synergistic antibacterial activity of silver nanoparticle-decorated silica hybrid particles on air filtration. <i>Journal of Materials Chemistry B</i> , 2014, 2, 6714-6722.	5.8	56
86	One-pass antibacterial efficacy of bipolar air ions against aerosolized <i>Staphylococcus epidermidis</i> in a duct flow. <i>Journal of Aerosol Science</i> , 2014, 69, 71-81.	3.8	22
87	Fabrication of a flexible Ag-grid transparent electrode using ac based electrohydrodynamic Jet printing. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 405102.	2.8	42
88	Fabrication of an anti-viral air filter with SiO ₂ –Ag nanoparticles and performance evaluation in a continuous airflow condition. <i>Journal of Hazardous Materials</i> , 2014, 280, 356-363.	12.4	47
89	Filtration and inactivation of aerosolized bacteriophage MS2 by a CNT air filter fabricated using electro-aerodynamic deposition. <i>Carbon</i> , 2014, 75, 401-410.	10.3	54
90	CFD modeling for coal size effect on coal gasification in a two-stage commercial entrained-bed gasifier with an improved char gasification model. <i>Applied Energy</i> , 2014, 123, 29-36.	10.1	60

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91	Morphology characterization of phenyl-C61-butyric acid methyl ester films via an electrohydrodynamic spraying route. <i>Thin Solid Films</i> , 2014, 550, 395-403.	1.8	2
92	A Quantitative Determination of the Antibacterial Efficiency of Fibrous Air Filters Based on the Disc Diffusion Method. <i>Aerosol and Air Quality Research</i> , 2014, 14, 928-933.	2.1	8
93	Estimations of heat release rate curve of railcar fire. <i>Journal of Mechanical Science and Technology</i> , 2013, 27, 1665-1670.	1.5	8
94	Transient behavior of devolatilization and char reaction during steam gasification of biomass. <i>Bioresource Technology</i> , 2013, 133, 429-436.	9.6	29
95	Susceptibility constants of airborne bacteria to dielectric barrier discharge for antibacterial performance evaluation. <i>Journal of Hazardous Materials</i> , 2013, 244-245, 421-428.	12.4	24
96	Continuous Coaxial Electrohydrodynamic Atomization System for Waterâ€Stable Wrapping of Magnetic Nanoparticles. <i>Small</i> , 2013, 9, 2325-2330.	10.0	7
97	Fabrication of silver nanowire transparent electrodes using electrohydrodynamic spray deposition for flexible organic solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 14286.	10.3	90
98	Site-specific growth and density control of carbon nanotubes by direct deposition of catalytic nanoparticles generated by spark discharge. <i>Nanoscale Research Letters</i> , 2013, 8, 409.	5.7	4
99	Micromachined tip-to-plate corona discharger with slit dielectric barrier for measuring the airborne particle number concentration. , 2013, , .		0
100	Drop-on-demand hybrid printing using a piezoelectric MEMS printhead at various waveforms, high voltages and jetting frequencies. <i>Journal of Micromechanics and Microengineering</i> , 2013, 23, 065011.	2.6	17
101	Deposition of Charged Aerosol Particles on a Substrate by Collimating Through an Electric Field Assisted Coaxial Flow Nozzle. <i>Aerosol Science and Technology</i> , 2013, 47, 512-519.	3.1	13
102	An integrated microchannel with continuous electrodynamic anti-adhesion capability for particle loss reduction in air-based microfluidic chips. <i>Journal of Adhesion Science and Technology</i> , 2013, 27, 2517-2530.	2.6	3
103	Correlation between the Antibacterial Ability of Silver Nanoparticle Coated Air Filters and the Dust Loading. <i>Aerosol and Air Quality Research</i> , 2013, 13, 1009-1018.	2.1	18
104	A hybrid electrohydrodynamic drop-on-demand printing system using a piezoelectric MEMS nozzle. <i>Journal of Micromechanics and Microengineering</i> , 2012, 22, 045013.	2.6	2
105	Fabrication of ordered bulk heterojunction organic photovoltaic cells using nanopatterning and electrohydrodynamic spray deposition methods. <i>Nanoscale</i> , 2012, 4, 7773.	5.6	27
106	Study on pyrolysis characteristics of refuse plastic fuel using lab-scale tube furnace and thermogravimetric analysis reactor. <i>Journal of Analytical and Applied Pyrolysis</i> , 2012, 97, 29-38.	5.5	92
107	Microscopic energy conversion process in the ion drift region of electrohydrodynamic flow. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	13
108	Development of Rapid Assessment Method to Determine Bacterial Viability Based on Ultraviolet and Visible (UV-Vis) Spectroscopy Analysis Including Application to Bioaerosols. <i>Aerosol and Air Quality Research</i> , 2012, 12, 399-408.	2.1	28

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109	Study of the Effect of Coal Type and Particle Size on Charâ€“CO ₂ Gasification via Gas Analysis. Energy & Fuels, 2011, 25, 5044-5054.	5.1	81
110	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
111	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
112	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
113	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
114	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
115	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
116	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
117	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
118	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
119	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
120	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
121	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
122	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
123	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
124	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
125	Gasification reactivity of biomass chars with CO ₂ . Biomass and Bioenergy, 2010, 34, 1946-1953.	5.7	87
126	Aerosol assisted fabrication of metallic film/carbon fiber and heat treatment to form crystalline alloy film. Thin Solid Films, 2010, 518, 6839-6843.	1.8	1

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127	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
128	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
129	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
130	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
131	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
132	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
133	Classification and Condensation of Nano-Sized Airborne Particles by Electrically Tuning Collection Size. , 2009, , .		0
134	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
135	Aerosol palladium activation for electroless copper deposition and heat treatment with NO injection to fabricate Cu oxide/carbon fibre. Journal Physics D: Applied Physics, 2009, 42, 055303.	2.8	1
136	Direct pattern formation of bacterial cells using micro-droplets generated by electrohydrodynamic forces. Microfluidics and Nanofluidics, 2009, 7, 829-839.	2.2	22
137	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
138	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
139	Real-time Measurement of the Size Distribution of Diesel Exhaust Particles using a Portable 4-stage Electrical Low Pressure Impactor. Particle and Particle Systems Characterization, 2009, 26, 179-186.	2.3	7
140	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
141	Ambient spark generation to synthesize carbon-encapsulated metal nanoparticles in continuous aerosol manner. Nanoscale, 2009, 1, 339.	5.6	27
142	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
143	New bio-aerosol collector using a micromachined virtual impactor. Journal of Aerosol Science, 2009, 40, 415-422.	3.8	29
144	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

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145	Design and Performance Test of Comb-Shaped Clamp/Spacer for Improvement of Recirculation Filter Efficacy in a Hard Disk Drive. IEEE Transactions on Magnetics, 2009, 45, 201-205.	2.1	2
146	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
147	An anti-adhesion technique reducing particle-loss using electrodynamic disturbance for aerodynamic chip. , 2009, , .		0
148	Electrohydrodynamic Jet Printing Capable of Removing Substrate Effects and Modulating Printing Characteristics. , 2009, , .		3
149	Electrical Characterization of a Microstrip Line Patterned by Electrohydrodynamic Jet Printing of Silver Nanoparticles. Journal of Imaging Science and Technology, 2009, 53, 41203-1-41203-4.	0.5	2
150	Thermophoretic deposition of palladium aerosol nanoparticles for electroless micropatterning of copper. Electrochemistry Communications, 2008, 10, 1272-1275.	4.7	14
151	Size distributions of total airborne particles and bioaerosols in a municipal composting facility. Bioresource Technology, 2008, 99, 5150-5154.	9.6	55
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