

Jungho Hwang

List of Publications by Year in descending order

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192
papers

5,284
citations

101384

36
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114278

63
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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. | 3.9 | 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. | 6.5 | 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. | 0.7 | 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. | 1.6 | 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. | 3.1 | 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. | 1.5 | 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. | 0.9 | 4 |
| 8 | Effects of bioaerosol concentration on water-gas shift and side reactions with Fe-Cr based catalyst. International Journal of Energy Research, 2021, 45, 1857-1866. | 2.2 | 4 |
| 9 | Reduction of submicron-sized aerosols emission in electrostatic precipitation by electrical attraction with micron-sized aerosols. Powder Technology, 2021, 377, 882-889. | 2.1 | 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. | 1.3 | 7 |
| 11 | Bioaerosol: A Key Vessel between Environment and Health. Frontiers of Environmental Science and Engineering, 2021, 15, 49. | 3.3 | 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. | 6.5 | 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. | 6.5 | 18 |
| 14 | Collection and decomposition of oil mist via corona discharge and surface dielectric barrier discharge. Journal of Hazardous Materials, 2021, 411, 125038. | 6.5 | 9 |
| 15 | Increased survivability of coronavirus and H1N1 influenza virus under electrostatic aerosol-to-hydrosol sampling. Journal of Hazardous Materials, 2021, 413, 125417. | 6.5 | 16 |
| 16 | Reusable surface amplified nanobiosensor for the sub PFU/mL level detection of airborne virus. Scientific Reports, 2021, 11, 16776. | 1.6 | 4 |
| 17 | Nano-dry-salt deposition on electret nonwoven confers anticoronaviral effect while retaining aerosol filtration performance. Environmental Science: Nano, 2021, 8, 2780-2791. | 2.2 | 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. | 6.6 | 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. | 6.5 | 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. | 6.6 | 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. | 5.3 | 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. | 3.7 | 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. | 1.6 | 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. | 7.3 | 19 |
| 25 | Aerosol-to-Hydrosol Sampling and Simultaneous Enrichment of Airborne Bacteria For Rapid Biosensing. <i>ACS Sensors</i> , 2020, 5, 2763-2771. | 4.0 | 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. | 3.4 | 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. | 1.3 | 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. | 2.5 | 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. | 2.2 | 13 |
| 30 | Artificial Nanoscale Erythrocytes from Clinically Relevant Compounds for Enhancing Cancer Immunotherapy. <i>Nano-Micro Letters</i> , 2020, 12, 90. | 14.4 | 12 |
| 31 | Determination of Air Filter Anti-Viral Efficiency against an Airborne Infectious Virus. <i>Journal of Hazardous Materials</i> , 2020, 396, 122640. | 6.5 | 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. | 2.1 | 29 |
| 33 | Plug-In Safe-by-Design Nanoinorganic Antibacterials. <i>ACS Nano</i> , 2019, 13, 12798-12809. | 7.3 | 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. | 3.4 | 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. | 0.6 | 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. | 4.6 | 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. | 2.2 | 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. | 4.0 | 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. | 3.1 | 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. | 6.5 | 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. | 6.6 | 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. | 0.9 | 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. | 1.8 | 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. | 1.8 | 0 |
| 46 | MEMS-based particle detection system for measuring airborne ultrafine particles. <i>Sensors and Actuators A: Physical</i> , 2018, 283, 235-244. | 2.0 | 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. | 3.1 | 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. | 3.8 | 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. | 0.9 | 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. | 1.8 | 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. | 3.4 | 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. | 3.4 | 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. | 0.7 | 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. | 1.5 | 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. | 3.4 | 8 |
| 57 | Assessment of indoor bioaerosols using a lab-made virtual impactor. <i>Aerosol Science and Technology</i> , 2017, 51, 159-167. | 1.5 | 8 |
| 58 | The effect of CO on coal-biomass co-gasification with CO ₂ . <i>Fuel</i> , 2017, 188, 98-101. | 3.4 | 13 |
| 59 | Methodology to set up nozzle-to-substrate gap for high resolution electrohydrodynamic jet printing. <i>Applied Physics Letters</i> , 2016, 109, . | 1.5 | 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. | 3.4 | 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. | 2.0 | 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. | 2.6 | 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. | 6.5 | 84 |
| 65 | Full-Scale Fire Test of an Intercity Train Car. <i>Fire Technology</i> , 2016, 52, 1559-1574. | 1.5 | 12 |
| 66 | Detection of airborne viruses using electro-aerodynamic deposition and a field-effect transistor. <i>Scientific Reports</i> , 2015, 5, 17462. | 1.6 | 14 |
| 67 | Circuitual characterisation of space-charge motion with a time-varying applied bias. <i>Scientific Reports</i> , 2015, 5, 11738. | 1.6 | 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. | 1.1 | 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. | 1.7 | 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. | 1.5 | 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. | 2.0 | 11 |

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|----|---|-----|-----------|
| 73 | Co-gasification of bituminous coalâ€“pine sawdust blended char with H ₂ O at temperatures of 750â€“850 Â°C. <i>Fuel</i> , 2015, 156, 26-29. | 3.4 | 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. | 3.9 | 13 |
| 75 | Effects of hydrothermal treatment of sewage sludge on pyrolysis and steam gasification. <i>Energy Conversion and Management</i> , 2015, 103, 401-407. | 4.4 | 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. | 1.6 | 32 |
| 77 | 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. <i>Fuel</i> , 2015, 162, 234-238. | 3.4 | 34 |
| 78 | Methodology for Modeling the Microbial Contamination of Air Filters. <i>PLoS ONE</i> , 2014, 9, e88514. | 1.1 | 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. | 0.8 | 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. | 1.1 | 32 |
| 81 | Co-gasification of coalâ€“biomass blended char with CO ₂ at temperatures of 900â€“1100 Â°C. <i>Fuel</i> , 2014, 116, 465-470. | 3.4 | 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. | 5.3 | 40 |
| 83 | Anti-agglomeration of spark discharge-generated aerosols via unipolar air ions. <i>Journal of Aerosol Science</i> , 2014, 67, 144-156. | 1.8 | 16 |
| 84 | Feasibility study of a combined Ocean Thermal Energy Conversion method in South Korea. <i>Energy</i> , 2014, 75, 443-452. | 4.5 | 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. | 2.9 | 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. | 1.8 | 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. | 1.3 | 42 |
| 88 | Fabrication of an anti-viral air filter with SiO ₂ â€“Ag nanoparticles and performance evaluation in a continuous airflow condition. <i>Journal of Hazardous Materials</i> , 2014, 280, 356-363. | 6.5 | 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. | 5.4 | 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. | 5.1 | 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. | 0.8 | 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. | 0.9 | 8 |
| 93 | Estimations of heat release rate curve of railcar fire. <i>Journal of Mechanical Science and Technology</i> , 2013, 27, 1665-1670. | 0.7 | 8 |
| 94 | Transient behavior of devolatilization and char reaction during steam gasification of biomass. <i>Bioresource Technology</i> , 2013, 133, 429-436. | 4.8 | 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. | 6.5 | 24 |
| 96 | Continuous Coaxial Electrohydrodynamic Atomization System for Water- ϵ -Stable Wrapping of Magnetic Nanoparticles. <i>Small</i> , 2013, 9, 2325-2330. | 5.2 | 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. | 5.2 | 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. | 3.1 | 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. | 1.5 | 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. | 1.5 | 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. | 1.4 | 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. | 0.9 | 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. | 1.5 | 2 |
| 105 | Fabrication of ordered bulk heterojunction organic photovoltaic cells using nanopatterning and electrohydrodynamic spray deposition methods. <i>Nanoscale</i> , 2012, 4, 7773. | 2.8 | 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. | 2.6 | 92 |
| 107 | Microscopic energy conversion process in the ion drift region of electrohydrodynamic flow. <i>Applied Physics Letters</i> , 2012, 100, . | 1.5 | 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. | 0.9 | 28 |

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|-----|---|-----|-----------|
| 109 | Study of the Effect of Coal Type and Particle Size on Char ² Gasification via Gas Analysis. <i>Energy & Fuels</i> , 2011, 25, 5044-5054. | 2.5 | 81 |
| 110 | Size Control of Chitosan Capsules Containing Insulin for Oral Drug Delivery via a Combined Process of Ionic Gelation with Electrohydrodynamic Atomization. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 13762-13770. | 1.8 | 11 |
| 111 | Effects of condensational growth on culturability of airborne bacteria: Implications for sampling and control of bioaerosols. <i>Journal of Aerosol Science</i> , 2011, 42, 213-223. | 1.8 | 19 |
| 112 | Application and performance test of a micro-machined unipolar charger for real-time measurements of exhaust particles from a diesel engine vehicle. <i>Journal of Aerosol Science</i> , 2011, 42, 747-758. | 1.8 | 5 |
| 113 | Application of air ions for bacterial de-colonization in air filters contaminated by aerosolized bacteria. <i>Science of the Total Environment</i> , 2011, 409, 748-755. | 3.9 | 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. <i>Science of the Total Environment</i> , 2011, 409, 4132-4138. | 3.9 | 55 |
| 115 | Removal of submicron particles using a carbon fiber ionizer-assisted medium air filter in a heating, ventilation, and air-conditioning (HVAC) system. <i>Building and Environment</i> , 2011, 46, 1699-1708. | 3.0 | 68 |
| 116 | Design and evaluation of a unipolar aerosol charger to generate highly charged micron-sized aerosol particles. <i>Journal of Electrostatics</i> , 2011, 69, 126-132. | 1.0 | 10 |
| 117 | Study of coal pyrolysis by thermo-gravimetric analysis (TGA) and concentration measurements of the evolved species. <i>Journal of Analytical and Applied Pyrolysis</i> , 2011, 92, 209-216. | 2.6 | 93 |
| 118 | Simultaneous removal of odors, airborne particles, and bioaerosols in a municipal composting facility by dielectric barrier discharge. <i>Separation and Purification Technology</i> , 2011, 77, 87-93. | 3.9 | 43 |
| 119 | Spray deposition of electrohydrodynamically atomized polymer mixture for active layer fabrication in organic photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, 352-356. | 3.0 | 36 |
| 120 | Electric propulsion using an alternating positive/negative corona discharge configuration composed of wire emitters and wire collector arrays in air. <i>Applied Physics Letters</i> , 2011, 99, . | 1.5 | 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. <i>Aerosol and Air Quality Research</i> , 2011, 11, 80-89. | 0.9 | 16 |
| 122 | Filtration of Submicron Aerosol Particles Using a Carbon Fiber Ionizer-assisted Electret Filter. <i>Aerosol and Air Quality Research</i> , 2011, 11, 811-821. | 0.9 | 23 |
| 123 | Removal of gaseous toluene and submicron aerosol particles using a dielectric barrier discharge reactor. <i>Journal of Hazardous Materials</i> , 2010, 175, 417-422. | 6.5 | 55 |
| 124 | Study of the pyrolysis of biomass using thermo-gravimetric analysis (TGA) and concentration measurements of the evolved species. <i>Journal of Analytical and Applied Pyrolysis</i> , 2010, 89, 66-73. | 2.6 | 124 |
| 125 | Gasification reactivity of biomass chars with CO ₂ . <i>Biomass and Bioenergy</i> , 2010, 34, 1946-1953. | 2.9 | 87 |
| 126 | Aerosol assisted fabrication of metallic film/carbon fiber and heat treatment to form crystalline alloy film. <i>Thin Solid Films</i> , 2010, 518, 6839-6843. | 0.8 | 1 |

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| 127 | Wall loss reduction technique using an electrodynamic disturbance for airborne particle processing chip applications. <i>Journal of Micromechanics and Microengineering</i> , 2010, 20, 035034. | 1.5 | 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. <i>Environmental Science & Technology</i> , 2010, 44, 1742-1746. | 4.6 | 25 |
| 129 | Development and performance test of a micromachined unipolar charger for measurements of submicron aerosol particles having a log-normal size distribution. <i>Journal of Aerosol Science</i> , 2010, 41, 490-500. | 1.8 | 18 |
| 130 | Removal of PM2.5 entering through the ventilation duct in an automobile using a carbon fiber ionizer-assisted cabin air filter. <i>Journal of Aerosol Science</i> , 2010, 41, 935-943. | 1.8 | 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). <i>Journal of Micromechanics and Microengineering</i> , 2010, 20, 055009. | 1.5 | 26 |
| 132 | Phytofabrication of Silver Nanoparticles by Leaf Extract of <i>Datura metel</i>; Hypothetical Mechanism Involved in Synthesis. <i>Journal of Bionanoscience</i> , 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. <i>Journal of Micromechanics and Microengineering</i> , 2009, 19, 107001. | 1.5 | 19 |
| 135 | Aerosol palladium activation for electroless copper deposition and heat treatment with NO injection to fabricate Cu oxide/carbon fibre. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 055303. | 1.3 | 1 |
| 136 | Direct pattern formation of bacterial cells using micro-droplets generated by electrohydrodynamic forces. <i>Microfluidics and Nanofluidics</i> , 2009, 7, 829-839. | 1.0 | 22 |
| 137 | Removal of submicron aerosol particles and bioaerosols using carbon fiber ionizer assisted fibrous medium filter media. <i>Journal of Mechanical Science and Technology</i> , 2009, 23, 1846-1851. | 0.7 | 36 |
| 138 | Emission of submicron aerosol particles in operating a laser beam printer. <i>International Journal of Precision Engineering and Manufacturing</i> , 2009, 10, 33-36. | 1.1 | 6 |
| 139 | Real-time Measurement of the Size Distribution of Diesel Exhaust Particles using a Portable 4-stage Electrical Low Pressure Impactor. <i>Particle and Particle Systems Characterization</i> , 2009, 26, 179-186. | 1.2 | 7 |
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