Jing Wang

List of Publications by Year in descending order

188 papers	6,672 citations	100601 38 h-index	97045 71 g-index
192 all docs	192 docs citations	192 times ranked	8130 citing authors

#	Article	IF	Citations
1	Propulsion Mechanisms of Lightâ€Driven Plasmonic Colloidal Micromotors. Advanced Photonics Research, 2022, 3, 2100189.	1.7	10
2	Effects of relative humidity on heterogeneous reaction of SO2 with CaCO3 particles and formation of CaSO4Â·2H2O crystal as secondary aerosol. Atmospheric Environment, 2022, 268, 118776.	1.9	11
3	Integrated aerodynamic/electrochemical microsystem for collection and detection of nanogram-level airborne bioaccessible metals. Sensors and Actuators B: Chemical, 2022, 351, 130903.	4.0	8
4	Colorimetric immunodetection of bacteria enriched on membranes within a compact multichannel filtration device. Sensors and Actuators B: Chemical, 2022, 353, 131142.	4.0	2
5	PM2.5 drives bacterial functions for carbon, nitrogen, and sulfur cycles in the atmosphere. Environmental Pollution, 2022, 295, 118715.	3.7	8
6	Recent Development of Optofluidics for Imaging and Sensing Applications. Chemosensors, 2022, 10, 15.	1.8	14
7	Replicating the Cynandra opis Butterfly's Structural Color for Bioinspired Bigrating Color Filters. Advanced Materials, 2022, 34, e2109161.	11.1	30
8	Vacancy-Rich and Porous NiFe-Layered Double Hydroxide Ultrathin Nanosheets for Efficient Photocatalytic NO Oxidation and Storage. Environmental Science & Technology, 2022, 56, 1771-1779.	4.6	50
9	An elution-based method for estimating efficiencies of aerosol collection devices not affected by their pressure drops. Separation and Purification Technology, 2022, 287, 120590.	3.9	2
10	Mitigation effects of alternative aviation fuels on non-volatile particulate matter emissions from aircraft gas turbine engines: A review. Science of the Total Environment, 2022, 820, 153233.	3.9	9
11	Air path of antimicrobial resistance related genes from layer farms: Emission inventory, atmospheric transport, and human exposure. Journal of Hazardous Materials, 2022, 430, 128417.	6.5	14
12	Comparison of analytical sensitivity and efficiency for SARS-CoV-2 primer sets by TaqMan-based and SYBR Green-based RT-qPCR. Applied Microbiology and Biotechnology, 2022, 106, 2207-2218.	1.7	8
13	Biomimetic Lightâ€Driven Aerogel Passive Pump for Volatile Organic Pollutant Removal. Advanced Science, 2022, 9, e2105819.	5.6	13
14	Developing a High-Resolution Emission Inventory of Chinaâ€™s Aviation Sector Using Real-World Flight Trajectory Data. Environmental Science & Technology, 2022, 56, 5743-5752.	4.6	14
15	SARS-CoV-2 and other airborne respiratory viruses in outdoor aerosols in three Swiss cities before and during the first wave of the COVID-19 pandemic. Environment International, 2022, 164, 107266.	4.8	13
16	Application of microfibrillated fibers in robust and reusable air filters with long service time in the ambient with high oily aerosols concentration. Separation and Purification Technology, 2022, 295, 121263.	3.9	7
17	Rapid and sensitive multiplex detection of COVID-19 antigens and antibody using electrochemical immunosensor-/aptasensor-enabled biochips. Chemical Communications, 2022, 58, 7285-7288.	2.2	19
18	Heterogeneous Reaction of Peroxyacetyl Nitrate on Real-World PM_{2.5} Aerosols: Kinetics, Influencing Factors, and Atmospheric Implications. Environmental Science & Technology, 2022, 56, 9325-9334.	4.6	4

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19	Measuring Airborne Antibiotic Resistance Genes in Swiss Cities via a DNA-Enabled Electrochemical Chip-Based Sensor. ACS ES&T Engineering, 2022, 2, 1677-1683.	3.7	2
20	An efficient method to recycle and reuse meta-aramid from used dust filter bags. Separation and Purification Technology, 2022, , 121692.	3.9	2
21	Dose-response Relation Deduced for Coronaviruses From Coronavirus Disease 2019, Severe Acute Respiratory Syndrome, and Middle East Respiratory Syndrome: Meta-analysis Results and its Application for Infection Risk Assessment of Aerosol Transmission. Clinical Infectious Diseases, 2021, 73, e241-e245.	2.9	47
22	Infection Risk Assessment of COVID-19 through Aerosol Transmission: a Case Study of South China Seafood Market. Environmental Science & Technology, 2021, 55, 4123-4133.	4.6	79
23	High fidelity simulation of ultrafine PM filtration by multiscale fibrous media characterized by a combination of X-ray CT and FIB-SEM. Journal of Membrane Science, 2021, 620, 118925.	4.1	16
24	Dual-function surface hydrogen bonds enable robust O₂ activation for deep photocatalytic toluene oxidation. Catalysis Science and Technology, 2021, 11, 319-331.	2.1	20
25	Protection Level and Reusability of a Modified Full-Face Snorkel Mask as Alternative Personal Protective Equipment for Healthcare Workers during the COVID-19 Pandemic. Chemical Research in Toxicology, 2021, 34, 110-118.	1.7	6
26	Quantifying respiratory tract deposition of airborne graphene nanoplatelets: The impact of plate-like shape and folded structure. NanoImpact, 2021, 21, 100292.	2.4	5
27	A reduction of settlement probability of Chlorella vulgaris on photo-chemically active ceramics with hierarchical nano-structures. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 610, 125898.	2.3	11
28	Thermoplasmonic-Assisted Cyclic Cleavage Amplification for Self-Validating Plasmonic Detection of SARS-CoV-2. ACS Nano, 2021, 15, 7536-7546.	7.3	44
29	Secondary organic aerosol formation from untreated exhaust of gasoline four-stroke motorcycles. Urban Climate, 2021, 36, 100778.	2.4	3
30	Optical-Switch-Enabled Microfluidics for Sensitive Multichannel Colorimetric Analysis. Analytical Chemistry, 2021, 93, 6784-6791.	3.2	13
31	Importance of the number emission factor of combustion-generated aerosols from nano-enabled products. NanoImpact, 2021, 22, 100307.	2.4	1
32	Direct measurement of thermophoretic and photophoretic force acting on hot micromotors with optical tweezers. Applied Surface Science, 2021, 549, 149319.	3.1	14
33	Impact of political and market-based measures on aviation emissions and passenger behaviors (a Swiss) Tj ETQq1 1 0.784314 rgBT /Ov	1.6	6
34	Filtration Performance Degradation of Inâ€Use Masks by Vapors from Alcoholâ€Based Hand Sanitizers and the Mitigation Solutions. Global Challenges, 2021, 5, 2100015.	1.8	4
35	PET/TPU nanofiber composite filters with high interfacial adhesion strength based on one-step co-electrospinning. Powder Technology, 2021, 387, 136-145.	2.1	24
36	Quantitative modeling of the impact of facemasks and associated leakage on the airborne transmission of SARS-CoV-2. Scientific Reports, 2021, 11, 19403.	1.6	21

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37	Self-supporting smart air filters based on PZT/PVDF electrospun nanofiber composite membrane. Chemical Engineering Journal, 2021, 423, 130247.	6.6	23
38	Abundance and diversity of antibiotic resistance genes possibly released to ambient air by experiments in biology laboratories. Science of the Total Environment, 2021, 797, 149147.	3.9	10
39	A 3D-cascade-microlens optofluidic chip for refractometry with adjustable sensitivity. Lab on A Chip, 2021, 21, 3784-3792.	3.1	8
40	Quantitative Determination of Airborne Redox-Active Compounds Based on Heating-Induced Reduction of Gold Nanoparticles. Analytical Chemistry, 2021, 93, 14859-14868.	3.2	7
41	Plasmonic O₂ dissociation and spillover expedite selective oxidation of primary Câ€“H bonds. Chemical Science, 2021, 12, 15308-15317.	3.7	8
42	Contributions of Traffic and Industrial Emission Reductions to the Air Quality Improvement after the Lockdown of Wuhan and Neighboring Cities Due to COVID-19. Toxics, 2021, 9, 358.	1.6	9
43	Filtration performance and charge degradation during particle loading and reusability of charged PTFE needle felt filters. Separation and Purification Technology, 2020, 233, 116003.	3.9	35
44	Conformal Cu Coating on Electrospun Nanofibers for 3D Electroâ€€Conductive Networks. Advanced Electronic Materials, 2020, 6, 1900767.	2.6	7
45	Effects of Combining Graphene Nanoplatelet and Phosphorous Flame Retardant as Additives on Mechanical Properties and Flame Retardancy of Epoxy Nanocomposite. Polymers, 2020, 12, 2349.	2.0	25
46	Aerodynamic property and filtration evaluation of airborne graphene nanoplatelets with plate-like shape and folded structure. Separation and Purification Technology, 2020, 251, 117293.	3.9	8
47	Evaluation of Regeneration Processes for Filtering Facepiece Respirators in Terms of the Bacteria Inactivation Efficiency and Influences on Filtration Performance. ACS Nano, 2020, 14, 13161-13171.	7.3	43
48	Ambient PM Toxicity Is Correlated with Expression Levels of Specific MicroRNAs. Environmental Science & Technology, 2020, 54, 10227-10236.	4.6	17
49	Laminar Flow-Based Fiber Fabrication and Encoding via Two-Photon Lithography. ACS Applied Materials & Interfaces, 2020, 12, 54068-54074.	4.0	6
50	Liquid repellency enhancement through flexible microstructures. Science Advances, 2020, 6, eaba9721.	4.7	35
51	Influence of Aviation Emission on the Particle Number Concentration near Zurich Airport. Environmental Science & Technology, 2020, 54, 14161-14171.	4.6	24
52	Additive manufacturing of silica aerogels. Nature, 2020, 584, 387-392.	13.7	323
53	Composites of epoxy and graphene-related materials: Nanostructure characterization and release quantification. NanoImpact, 2020, 20, 100266.	2.4	6
54	Self-aligned 3D microlenses in a chip fabricated with two-photon stereolithography for highly sensitive absorbance measurement. Lab on A Chip, 2020, 20, 2334-2342.	3.1	11

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55	The antibacterial performance of positively charged and chitosan dipped air filter media. Building and Environment, 2020, 180, 107020.	3.0	35
56	Regeneration of carbon nanotube saturated with tetracycline by microwave-ultraviolet system: Performance and degradation pathway. Chemical Engineering Journal, 2020, 394, 124752.	6.6	17
57	Flexible and Ultrathin Waterproof Cellular Membranes Based on Highâ€Conjunction Metalâ€Wrapped Polymer Nanofibers for Electromagnetic Interference Shielding. Advanced Materials, 2020, 32, e1908496.	11.1	234
58	Total Bioaerosol Detection by a Succinimidyl-Ester-Functionalized Plasmonic Biosensor To Reveal Different Characteristics at Three Locations in Switzerland. Environmental Science & Technology, 2020, 54, 1353-1362.	4.6	12
59	Electret mechanisms and kinetics of electrospun nanofiber membranes and lifetime in filtration applications in comparison with corona-charged membranes. Journal of Membrane Science, 2020, 600, 117879.	4.1	61
60	Release of graphene-related materials from epoxy-based composites: characterization, quantification and hazard assessment in vitro. Nanoscale, 2020, 12, 10703-10722.	2.8	22
61	Stimuli-Responsive Microarray Films for Real-Time Sensing of Surrounding Media, Temperature, and Solution Properties via Diffraction Patterns. ACS Applied Materials & Interfaces, 2020, 12, 19080-19091.	4.0	23
62	Dual-Functional Plasmonic Photothermal Biosensors for Highly Accurate Severe Acute Respiratory Syndrome Coronavirus 2 Detection. ACS Nano, 2020, 14, 5268-5277.	7.3	838
63	A Counter Propagating Lensâ€Mirror System for Ultrahigh Throughput Single Droplet Detection. Small, 2020, 16, e1907534.	5.2	13
64	Relationship between Aerosols Exposure and Lung Deposition Dose. Aerosol and Air Quality Research, 2020, 20, 1083-1093.	0.9	16
65	Electrocatalytic Reduction of Gaseous CO₂ to CO on Sn/Cuâ€Nanofiberâ€Based Gas Diffusion Electrodes. Advanced Energy Materials, 2019, 9, 1901514.	10.2	74
66	Simulation of performance of fibrous filter media composed of cellulose and synthetic fibers. Cellulose, 2019, 26, 7051-7065.	2.4	19
67	3D-structured supports create complete data sets for electron crystallography. Nature Communications, 2019, 10, 3316.	5.8	21
68	A number-based inventory of size-resolved black carbon particle emissions by global civil aviation. Nature Communications, 2019, 10, 534.	5.8	52
69	UV-Initiated Softâ€“Tough Multifunctional Gel Polymer Electrolyte Achieves Stable-Cycling Li-Metal Battery. ACS Applied Energy Materials, 2019, 2, 4513-4520.	2.5	20
70	Chemical composition and radiative properties of nascent particulate matter emitted by an aircraft turbofan burning conventional and alternative fuels. Atmospheric Chemistry and Physics, 2019, 19, 6809-6820.	1.9	17
71	Differing toxicity of ambient particulate matter (PM) in global cities. Atmospheric Environment, 2019, 212, 305-315.	1.9	51
72	Determination of the delivered dose of nanoparticles in the trachea-bronchial and alveolar regions of the lung. NanoImpact, 2019, 14, 100162.	2.4	14

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73	Impacts of Alternative Fuels on Morphological and Nanostructural Characteristics of Soot Emissions from an Aviation Piston Engine. Environmental Science & Technology, 2019, 53, 4667-4674.	4.6	31
74	Filtration performance and loading capacity of nano-structured composite filter media for applications with high soot concentrations. Separation and Purification Technology, 2019, 221, 175-182.	3.9	21
75	High-performance carbon/MnO2 micromotors and their applications for pollutant removal. Chemosphere, 2019, 219, 427-435.	4.2	24
76	Reinforced and superinsulating silica aerogel through in situ cross-linking with silane terminated prepolymers. Acta Materialia, 2018, 147, 322-328.	3.8	28
77	LCA of mobility solutions: approaches and findingsâ€"66th LCA forum, Swiss Federal Institute of Technology, Zurich, 30 August, 2017. International Journal of Life Cycle Assessment, 2018, 23, 381-386.	2.2	3
78	Identification of secondary aerosol precursors emitted by an aircraft turbofan. Atmospheric Chemistry and Physics, 2018, 18, 7379-7391.	1.9	14
79	Filtration performance of air filter paper containing kapok fibers against oil aerosols. Cellulose, 2018, 25, 6719-6729.	2.4	18
80	Size-Resolved Endotoxin and Oxidative Potential of Ambient Particles in Beijing and ZÃ¼rich. Environmental Science & Technology, 2018, 52, 6816-6824.	4.6	42
81	Global Survey of Antibiotic Resistance Genes in Air. Environmental Science & Technology, 2018, 52, 10975-10984.	4.6	227
82	All-Nanofiber-Based Ultralight Stretchable Triboelectric Nanogenerator for Self-Powered Wearable Electronics. ACS Applied Energy Materials, 2018, 1, 2326-2332.	2.5	47
83	Investigation of surface potential discharge mechanism and kinetics in dielectrics exposed to different organic solvents. Polymer, 2018, 145, 447-453.	1.8	23
84	Assessment of Particle Pollution from Jetliners: from Smoke Visibility to Nanoparticle Counting. Environmental Science & Technology, 2017, 51, 3534-3541.	4.6	32
85	Agglomeration potential of TiO2 in synthetic leachates made from the fly ash of different incinerated wastes. Environmental Pollution, 2017, 223, 616-623.	3.7	9
86	Organic dye removal by MnO2 and Ag micromotors under various ambient conditions: The comparison between two abatement mechanisms. Chemosphere, 2017, 184, 601-608.	4.2	29
87	Transformation of the released asbestos, carbon fibers and carbon nanotubes from composite materials and the changes of their potential health impacts. Journal of Nanobiotechnology, 2017, 15, 15.	4.2	32
88	Characterization of Gas-Phase Organics Using Proton Transfer Reaction Time-of-Flight Mass Spectrometry: Aircraft Turbine Engines. Environmental Science & Technology, 2017, 51, 3621-3629.	4.6	6
89	Very low emissions of airborne particulate pollutants measured from two municipal solid waste incineration plants in Switzerland. Atmospheric Environment, 2017, 166, 99-109.	1.9	22
90	Airborne Nanoparticle Release and Toxicological Risk from Metal-Oxide-Coated Textiles: Toward a Multiscale Safe-by-Design Approach. Environmental Science & Technology, 2017, 51, 9305-9317.	4.6	33

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91	Release and Gas-Particle Partitioning Behaviors of Short-Chain Chlorinated Paraffins (SCCPs) During the Thermal Treatment of Polyvinyl Chloride Flooring. Environmental Science & Technology, 2017, 51, 9005-9012.	4.6	35
92	An integrative model for the filtration efficiencies in realistic tests with consideration of the filtration velocity profile and challenging particle size distribution. Aerosol Science and Technology, 2017, 51, 178-187.	1.5	7
93	Inter-Laboratory Validation of the Method to Determine the Filtration Efficiency for Airborne Particles in the 3-500 nm Range and Results Sensitivity Analysis. Aerosol and Air Quality Research, 2017, 17, 2669-2680.	0.9	13
94	On the Special Issue for the 12th World Filtration Congress. Aerosol and Air Quality Research, 2017, 17, 2643-2644.	0.9	0
95	Response of real-time black carbon mass instruments to mini-CAST soot. Aerosol Science and Technology, 2016, 50, 906-918.	1.5	37
96	Chemical characterization of freshly emitted particulate matter from aircraft exhaust using single particle mass spectrometry. Atmospheric Environment, 2016, 134, 181-197.	1.9	32
97	2nd UMNâ€“CAS Bilateral Seminar on PM2.5 Science, Health Effects and Control Technologies, October 7â€“8, 2015 at 3M Innovation Center, Maplewood, MN, USA. Particuology, 2016, 27, 141-143.	2.0	0
98	Explicit expressions for the minimum efficiency and most penetrating particle size of Nuclepore filters. Journal of Aerosol Science, 2016, 100, 108-117.	1.8	4
99	Effects of relative humidity and particle type on the performance and service life of automobile cabin air filters. Aerosol Science and Technology, 2016, 50, 542-554.	1.5	13
100	Characteristics of airborne fractal-like agglomerates of carbon nanotubes. Carbon, 2015, 93, 441-450.	5.4	18
101	Measurement of Aircraft Engine Non-Volatile PM Emissions: Results of the Aviation-Particle Regulatory Instrumentation Demonstration Experiment (A-PRIDE) 4 Campaign. Aerosol Science and Technology, 2015, 49, 472-484.	1.5	82
102	Optimizing Filtration Experiments for Length and Fractal Dimension Characterization of Non-Spherical Particles. Aerosol Science and Technology, 2015, 49, 547-555.	1.5	6
103	Particle Emission Characteristics of a Gas Turbine with a Double Annular Combustor. Aerosol Science and Technology, 2015, 49, 842-855.	1.5	35
104	Enhanced dispersion stability and mobility of carboxyl-functionalized carbon nanotubes in aqueous solutions through strong hydrogen bonds. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	6
105	Decomposition and particle release of a carbon nanotube/epoxy nanocomposite at elevated temperatures. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	14
106	The capacitance and charge of agglomerated nanoparticles during sintering. Journal of Aerosol Science, 2015, 83, 1-11.	1.8	7
107	Effect of particle agglomeration in nanotoxicology. Archives of Toxicology, 2015, 89, 659-675.	1.9	121
108	Effective Density and Mass-Mobility Exponent of Aircraft Turbine Particulate Matter. Journal of Propulsion and Power, 2015, 31, 573-582.	1.3	31

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109	Effective density and massâ€“mobility exponents of particulate matter in aircraft turbine exhaust: Dependence on engine thrust and particle size. Journal of Aerosol Science, 2015, 88, 135-147.	1.8	33
110	Exposure Assessment of a High-energy Tensile Test With Large Carbon Fiber Reinforced Polymer Cables. Journal of Occupational and Environmental Hygiene, 2015, 12, D178-D183.	0.4	6
111	Weathering of a carbon nanotube/epoxy nanocomposite under UV light and in water bath: impact on abraded particles. Nanoscale, 2015, 7, 18524-18536.	2.8	32
112	Effects of Fuel Aromatic Content on Nonvolatile Particulate Emissions of an In-Production Aircraft Gas Turbine. Environmental Science & Technology, 2015, 49, 13149-13157.	4.6	77
113	Carbon Nanotubes Released from an Epoxy-Based Nanocomposite: Quantification and Particle Toxicity. Environmental Science & Technology, 2015, 49, 10616-10623.	4.6	70
114	Aerosol Emission Monitoring and Assessment of Potential Exposure to Multi-walled Carbon Nanotubes in the Manufacture of Polymer Nanocomposites. Annals of Occupational Hygiene, 2015, 59, 1135-1151.	1.9	16
115	Silver Nanowire Penetration Through Screen Filter. Aerosol Science and Technology, 2014, 48, 480-488.	1.5	7
116	Filtration Performance Against Nanoparticles by Electrospun Nylon-6 Media Containing Ultrathin Nanofibers. Aerosol Science and Technology, 2014, 48, 1332-1344.	1.5	24
117	Carbon Nanotube Penetration Through Fiberglass and Electret Respirator Filter and Nuclepore Filter Media: Experiments and Models. Aerosol Science and Technology, 2014, 48, 997-1008.	1.5	33
118	Physical and Chemical Characterization of Fly Ashes from Swiss Waste Incineration Plants and Determination of the Ash Fraction in the Nanometer Range. Environmental Science & Technology, 2014, 48, 4765-4773.	4.6	33
119	1st UMNâ€“CAS Bilateral Seminar on PM2.5 science, health effects and control technology Xiâ€™an, China, May 27â€“28, 2014. Particuology, 2014, 16, 227-229.	2.0	3
120	Determination of PM mass emissions from an aircraft turbine engine using particle effective density. Atmospheric Environment, 2014, 99, 500-507.	1.9	59
121	Electron Microscopic Study of Soot Particulate Matter Emissions from Aircraft Turbine Engines. Environmental Science & Technology, 2014, 48, 10975-10983.	4.6	58
122	Great wall of solar panels to mitigate yellow dust storm. Particuology, 2014, 13, 146-150.	2.0	3
123	Toward standardized test methods to determine the effectiveness of filtration media against airborne nanoparticles. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	39
124	Release of Carbon Nanotubes from Polymer Nanocomposites. Fibers, 2014, 2, 108-127.	1.8	74
125	Chemical Composition of Nanoparticles Released from Thermal Cutting of Polystyrene Foams and the Associated Isomerization of Hexabromocyclododecane (HBCD) Diastereomers. Aerosol and Air Quality Research, 2014, 14, 1114-1120.	0.9	13
126	Filtration and Length Determination of Airborne Carbon Nanotubes in the Submicrometer Range Using Nanofiber Filters. Aerosol and Air Quality Research, 2014, 14, 1352-1359.	0.9	5

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127	Filtration behavior of silver nanoparticle agglomerates and effects of the agglomerate model in data analysis. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	12
128	Use of Nuclepore filters for ambient and workplace nanoparticle exposure assessmentâ€"Spherical particles. Atmospheric Environment, 2013, 77, 385-393.	1.9	24
129	Integrative filtration research and sustainable nanotechnology. Particuology, 2013, 11, 5-13.	2.0	7
130	Exposure assessment of nanosized engineered agglomerates and aggregates using Nuclepore filter. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	21
131	Modeling the flows of engineered nanomaterials during waste handling. Environmental Sciences: Processes and Impacts, 2013, 15, 251-259.	1.7	73
132	Dispersion and filtration of carbon nanotubes (CNTs) and measurement of nanoparticle agglomerates in diesel exhaust. Chemical Engineering Science, 2013, 85, 69-76.	1.9	36
133	Microstructural and loading characteristics of diesel aggregate cakes. Powder Technology, 2013, 241, 244-251.	2.1	27
134	Aerosol emission monitoring in the production of silicon carbide nanoparticles by induction plasma synthesis. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	6
135	Determination of Geometrical Length of Airborne Carbon Nanotubes by Electron Microscopy, Model Calculation, and Filtration Method. Aerosol Science and Technology, 2013, 47, 776-784.	1.5	18
136	Effects of Particle Size and Morphology on Filtration of Airborne Nanoparticles. KONA Powder and Particle Journal, 2013, 30, 256-266.	0.9	20
137	Rationale for Data Evaluation of the Size Distribution Measurements of Agglomerates and Aggregates in Gases with Extended SMPS-Technology. Aerosol and Air Quality Research, 2013, 13, 1393-1403.	0.9	4
138	Measurement of Metal Nanoparticle Agglomerates Generated by Spark Discharge Using the Universal Nanoparticle Analyzer (UNPA). Aerosol Science and Technology, 2012, 46, 333-346.	1.5	17
139	Release of Carbon Nanotubes from an Epoxy-Based Nanocomposite during an Abrasion Process. Environmental Science & Technology, 2012, 46, 7366-7372.	4.6	110
140	Numerical modeling of nanoparticle penetration through personal protective garments. Separation and Purification Technology, 2012, 98, 230-239.	3.9	7
141	Co-Release of Hexabromocyclododecane (HBCD) and Nano- and Microparticles from Thermal Cutting of Polystyrene Foams. Environmental Science & Technology, 2012, 46, 10990-10996.	4.6	92
142	Emission measurement and safety assessment for the production process of silicon nanoparticles in a pilot-scale facility. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	24
143	Exposure to engineered nanoparticles: Model and measurements for accident situations in laboratories. Science of the Total Environment, 2012, 420, 119-126.	3.9	34
144	Carbon Nanotube Penetration through a Screen Filter: Numerical Modeling and Comparison with Experiments. Aerosol Science and Technology, 2011, 45, 443-452.	1.5	30

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145	Removal of airborne nanoparticles by membrane coated filters. Science of the Total Environment, 2011, 409, 4868-4874.	3.9	60
146	How can nanobiotechnology oversight advance science and industry: examples from environmental, health, and safety studies of nanoparticles (nano-EHS). Journal of Nanoparticle Research, 2011, 13, 1373-1387.	0.8	68
147	Measurement of multi-wall carbon nanotube penetration through a screen filter and single-fiber analysis. Journal of Nanoparticle Research, 2011, 13, 4565-4573.	0.8	31
148	Measurement of filtration efficiency of Nuclepore filters challenged with polystyrene latex nanoparticles: experiments and modeling. Journal of Nanoparticle Research, 2011, 13, 5415-5424.	0.8	14
149	Estimates of Non-Ideal Effects on the Friction Coefficient of Agglomerates. Aerosol and Air Quality Research, 2011, 11, 369-375.	0.9	1
150	Measurement of Retention Efficiency of Filters against Nanoparticles in Liquids using an Aerosolization Technique. Environmental Science & Technology, 2010, 44, 774-779.	4.6	20
151	Measurement of Nanoparticle Agglomerates by Combined Measurement of Electrical Mobility and Unipolar Charging Properties. Aerosol Science and Technology, 2010, 44, 97-108.	1.5	49
152	Integrated Photocatalytic Filtration Array for Indoor Air Quality Control. Environmental Science & Technology, 2010, 44, 5558-5563.	4.6	30
153	The effect of particle morphology on unipolar diffusion charging of nanoparticle agglomerates in the transition regime. Journal of Aerosol Science, 2010, 41, 975-986.	1.8	62
154	VOC Outgassing from Baked and Unbaked Ventilation Filters. Aerosol and Air Quality Research, 2010, 10, 265-271.	0.9	3
155	Structural Properties and Filter Loading Characteristics of Soot Agglomerates. Aerosol Science and Technology, 2009, 43, 1033-1041.	1.5	46
156	Filtration of aerosol particles by elliptical fibers: a numerical study. Journal of Nanoparticle Research, 2009, 11, 185-196.	0.8	57
157	Structural properties of silver nanoparticle agglomerates based on transmission electron microscopy: relationship to particle mobility analysis. Journal of Nanoparticle Research, 2009, 11, 163-173.	0.8	40
158	The effect of dielectric constant of materials on unipolar diffusion charging of nanoparticles. Journal of Aerosol Science, 2009, 40, 463-468.	1.8	30
159	Friction coefficient and mass of silver agglomerates in the transition regime. Journal of Aerosol Science, 2009, 40, 573-587.	1.8	31
160	Structural Property Effect of Nanoparticle Agglomerates on Particle Penetration through Fibrous Filter. Aerosol Science and Technology, 2009, 43, 344-355.	1.5	102
161	Controlled deposition of NIST-traceable nanoparticles as additional size standards for photomask applications. Proceedings of SPIE, 2008, , .	0.8	6
162	Investigation of the figure of merit for filters with a single nanofiber layer on a substrate. Journal of Aerosol Science, 2008, 39, 323-334.	1.8	145

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163	Classification of highly monodisperse nanoparticles of NIST-traceable sizes by TDMA and control of deposition spot size on a surface by electrophoresis. Journal of Aerosol Science, 2008, 39, 537-548.	1.8	24
164	Controlled Deposition of ${m SiO}_{2}$ Nanoparticles of NIST-Traceable Particle Sizes for Mask Surface Inspection System Characterization. IEEE Transactions on Semiconductor Manufacturing, 2008, 21, 238-243.	1.4	9
165	Figure of Merit of Composite Filters with Micrometer and Nanometer Fibers. Aerosol Science and Technology, 2008, 42, 722-728.	1.5	93
166	Analytical-statistical model to accurately estimate diffusional nanoparticle deposition on inverted surfaces at low pressure. Applied Physics Letters, 2008, 92, 064107.	1.5	6
167	Model for the combination of diffusional and inertial particle deposition on inverse surfaces at low pressure. Applied Physics Letters, 2008, 93, 054104.	1.5	7
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