

Jing Wang

List of Publications by Year in descending order

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220
papers

7,369
citations

69737

41
h-index

77775

74
g-index

224
all docs

224
docs citations

224
times ranked

9824
citing authors

#	ARTICLE	IF	CITATIONS
1	High conductive polymer PANI link Bi ₂ MoO ₆ and PBA to establish a tandem hybrid catalysis system by coupling photocatalysis and PMS activation technology. <i>Applied Catalysis B: Environmental</i> , 2024, 344, 123621.	20.7	7
2	Precursor- and waste-free synthesis of spark-ablated nanoparticles with enhanced photocatalytic activity and stability towards airborne organic pollutant degradation. <i>Environmental Science: Nano</i> , 2024, 11, 1023-1043.	4.2	1
3	Precursor- and waste-free synthesis of spark-ablated nanoparticles with enhanced photocatalytic activity and stability towards airborne organic pollutant degradation. <i>Environmental Science: Nano</i> , 2024, 11, 1023-1043.	4.2	0
4	MicrobioRaman: an open-access web repository for microbiological Raman spectroscopy data. <i>Nature Microbiology</i> , 2024, 9, 1152-1156.	13.1	3
5	A hybrid model for enhanced forecasting of PM _{2.5} spatiotemporal concentrations with high resolution and accuracy. <i>Environmental Pollution</i> , 2024, 355, 124263.	7.7	0
6	Influence of CO ₂ and Dust on the Survival of Non-Resistant and Multi-Resistant Airborne E. coli Strains. <i>Antibiotics</i> , 2024, 13, 558.	3.8	0
7	Dynamic surface river pollution identification by a hybrid multivariate-based anomaly detection algorithm. <i>Journal of Cleaner Production</i> , 2024, 467, 142923.	9.5	0
8	Co-transport of citrate-modified biochar nanoparticles and released plant-available silicon in saturated porous media: Effect of LMWOAs and solution chemistry. <i>Chemosphere</i> , 2024, , 143259.	8.4	0
9	Environmental chamber analysis of objective volatile organic compounds emissions and subjective olfactory perception from main automotive interior components. <i>Building and Environment</i> , 2024, 266, 112136.	7.0	0
10	A selective frequency damping and Janus adhesive hydrogel as bioelectronic interfaces for clinical trials. <i>Nature Communications</i> , 2024, 15, .	13.2	0
11	Study of structural factors of structure-resolved filter media on the particle loading performance with microscale simulation. <i>Separation and Purification Technology</i> , 2023, 304, 122317.	8.1	10
12	Flexible and ultrathin waterproof conductive cellular membranes based on conformally gold-coated PVDF nanofibers and their potential as gas diffusion electrode. <i>Materials and Design</i> , 2023, 225, 111441.	7.2	6
13	Update of SO ₂ emission inventory in the Megacity of Chongqing, China by inverse modeling. <i>Atmospheric Environment</i> , 2023, 294, 119519.	4.2	6
14	Inversion Method for Multiple Nuclide Source Terms in Nuclear Accidents Based on Deep Learning Fusion Model. <i>Atmosphere</i> , 2023, 14, 148.	2.3	6
15	Ecological Study on Global Health Effects due to Source-Specific Ambient Fine Particulate Matter Exposure. <i>Environmental Science & Technology</i> , 2023, 57, 1278-1291.	10.5	7
16	A comparison study of the filtration behavior of air filtering materials of masks against inert and biological particles. <i>Separation and Purification Technology</i> , 2023, 313, 123472.	8.1	9
17	Any Long-term Effect of the Beirut Port Explosion on the Airborne Particulate Matter?. <i>Aerosol and Air Quality Research</i> , 2023, 23, 220395.	2.1	0
18	Wafer-Scale Gold Nanomesh via Nanotransfer Printing toward a Cost-Efficient Multiplex Sensing Platform. <i>Advanced Materials Technologies</i> , 2023, 8, .	6.2	4

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19	Towards an active droplet-based microfluidic platform for programmable fluid handling. <i>Lab on A Chip</i> , 2023, 23, 2029-2038.	6.1	6
20	Aerogel-based solar-powered water production from atmosphere and ocean: A review. <i>Materials Science and Engineering Reports</i> , 2023, 154, 100735.	32.1	21
21	Direct Quantitation of SARS-CoV-2 Virus in Urban Ambient Air via a Continuous-Flow Electrochemical Bioassay. <i>Advanced Science</i> , 2023, 10, .	12.4	5
22	Skin-like cryogel electronics from suppressed-freezing tuned polymer amorphization. <i>Nature Communications</i> , 2023, 14, .	13.2	16
23	Spatial and temporal distribution of endotoxins, antibiotic resistance genes and mobile genetic elements in the air of a dairy farm in Germany. <i>Environmental Pollution</i> , 2023, 336, 122404.	7.7	2
24	Enhanced and synergistic catalytic activation by photoexcitation driven S ²⁺ scheme heterojunction hydrogel interface electric field. <i>Nature Communications</i> , 2023, 14, .	13.2	35
25	On-site airborne pathogen detection for infection risk mitigation. <i>Chemical Society Reviews</i> , 2023, 52, 8531-8579.	40.3	6
26	A Multi-Functional CMOS Biosensor Array with On-Chip DEP-Assisted Sensing for Rapid Low-Concentration Analyte Detection and Close-Loop Particle Manipulation with No External Electrodes. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2023, , 1-13.	4.5	1
27	Propulsion Mechanisms of Light-Driven Plasmonic Colloidal Micromotors. <i>Advanced Photonics Research</i> , 2022, 3, 2100189.	3.8	16
28	Effects of relative humidity on heterogeneous reaction of SO ₂ with CaCO ₃ particles and formation of CaSO ₄ ·2H ₂ O crystal as secondary aerosol. <i>Atmospheric Environment</i> , 2022, 268, 118776.	4.2	12
29	Integrated aerodynamic/electrochemical microsystem for collection and detection of nanogram-level airborne bioaccessible metals. <i>Sensors and Actuators B: Chemical</i> , 2022, 351, 130903.	8.0	9
30	Colorimetric immunodetection of bacteria enriched on membranes within a compact multichannel filtration device. <i>Sensors and Actuators B: Chemical</i> , 2022, 353, 131142.	8.0	3
31	PM _{2.5} drives bacterial functions for carbon, nitrogen, and sulfur cycles in the atmosphere. <i>Environmental Pollution</i> , 2022, 295, 118715.	7.7	9
32	Recent Development of Optofluidics for Imaging and Sensing Applications. <i>Chemosensors</i> , 2022, 10, 15.	3.7	15
33	Replicating the <i>Cynandra opis</i> Butterfly's Structural Color for Bioinspired Bigrating Color Filters. <i>Advanced Materials</i> , 2022, 34, e2109161.	24.3	36
34	Vacancy-Rich and Porous NiFe-Layered Double Hydroxide Ultrathin Nanosheets for Efficient Photocatalytic NO Oxidation and Storage. <i>Environmental Science & Technology</i> , 2022, 56, 1771-1779.	10.5	68
35	An elution-based method for estimating efficiencies of aerosol collection devices not affected by their pressure drops. <i>Separation and Purification Technology</i> , 2022, 287, 120590.	8.1	2
36	Mitigation effects of alternative aviation fuels on non-volatile particulate matter emissions from aircraft gas turbine engines: A review. <i>Science of the Total Environment</i> , 2022, 820, 153233.	8.2	13

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37	Air path of antimicrobial resistance related genes from layer farms: Emission inventory, atmospheric transport, and human exposure. <i>Journal of Hazardous Materials</i> , 2022, 430, 128417.	12.6	18
38	Comparison of analytical sensitivity and efficiency for SARS-CoV-2 primer sets by TaqMan-based and SYBR Green-based RT-qPCR. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 2207-2218.	3.7	8
39	Biomimetic Light-Driven Aerogel Passive Pump for Volatile Organic Pollutant Removal. <i>Advanced Science</i> , 2022, 9, e2105819.	12.4	14
40	Developing a High-Resolution Emission Inventory of China's Aviation Sector Using Real-World Flight Trajectory Data. <i>Environmental Science & Technology</i> , 2022, 56, 5743-5752.	10.5	20
41	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. <i>Environment International</i> , 2022, 164, 107266.	10.1	14
42	Application of microfibrillated fibers in robust and reusable air filters with long service time in the ambient with high oily aerosols concentration. <i>Separation and Purification Technology</i> , 2022, 295, 121263.	8.1	9
43	Rapid and sensitive multiplex detection of COVID-19 antigens and antibody using electrochemical immunosensor/aptasensor-enabled biochips. <i>Chemical Communications</i> , 2022, 58, 7285-7288.	4.2	22
44	Heterogeneous Reaction of Peroxyacetyl Nitrate on Real-World PM _{2.5} Aerosols: Kinetics, Influencing Factors, and Atmospheric Implications. <i>Environmental Science & Technology</i> , 2022, 56, 9325-9334.	10.5	5
45	Measuring Airborne Antibiotic Resistance Genes in Swiss Cities via a DNA-Enabled Electrochemical Chip-Based Sensor. <i>ACS ES&T Engineering</i> , 2022, 2, 1677-1683.	7.8	2
46	An efficient method to recycle and reuse meta-aramid from used dust filter bags. <i>Separation and Purification Technology</i> , 2022, 299, 121692.	8.1	4
47	Atmospheric dispersion of chemical, biological, and radiological hazardous pollutants: Informing risk assessment for public safety. <i>Journal of Safety Science and Resilience</i> , 2022, 3, 372-397.	2.3	10
48	Plasmofluidic-Based Near-Field Optical Trapping of Dielectric Nano-Objects Using Gold Nanoislands Sensor Chips. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 47409-47419.	8.3	6
49	On-Site Quantification and Infection Risk Assessment of Airborne SARS-CoV-2 Virus Via a Nanoplasmonic Bioaerosol Sensing System in Healthcare Settings. <i>Advanced Science</i> , 2022, 9, .	12.4	8
50	Microfluid Switching-Induced Transient Refractive Interface. <i>ACS Sensors</i> , 2022, 7, 3521-3529.	8.1	0
51	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. <i>Clinical Infectious Diseases</i> , 2021, 73, e241-e245.	5.7	55
52	Infection Risk Assessment of COVID-19 through Aerosol Transmission: a Case Study of South China Seafood Market. <i>Environmental Science & Technology</i> , 2021, 55, 4123-4133.	10.5	90
53	High fidelity simulation of ultrafine PM filtration by multiscale fibrous media characterized by a combination of X-ray CT and FIB-SEM. <i>Journal of Membrane Science</i> , 2021, 620, 118925.	8.3	16
54	Dual-function surface hydrogen bonds enable robust O ₂ activation for deep photocatalytic toluene oxidation. <i>Catalysis Science and Technology</i> , 2021, 11, 319-331.	4.2	25

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55	Protection Level and Reusability of a Modified Full-Face Snorkel Mask as Alternative Personal Protective Equipment for Healthcare Workers during the COVID-19 Pandemic. <i>Chemical Research in Toxicology</i> , 2021, 34, 110-118.	3.5	6
56	Quantifying respiratory tract deposition of airborne graphene nanoplatelets: The impact of plate-like shape and folded structure. <i>NanoImpact</i> , 2021, 21, 100292.	4.7	6
57	A reduction of settlement probability of <i>Chlorella vulgaris</i> on photo-chemically active ceramics with hierarchical nano-structures. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 610, 125898.	4.8	13
58	Thermoplasmonic-Assisted Cyclic Cleavage Amplification for Self-Validating Plasmonic Detection of SARS-CoV-2. <i>ACS Nano</i> , 2021, 15, 7536-7546.	15.3	47
59	Secondary organic aerosol formation from untreated exhaust of gasoline four-stroke motorcycles. <i>Urban Climate</i> , 2021, 36, 100778.	5.8	3
60	Optical-Switch-Enabled Microfluidics for Sensitive Multichannel Colorimetric Analysis. <i>Analytical Chemistry</i> , 2021, 93, 6784-6791.	6.8	15
61	Importance of the number emission factor of combustion-generated aerosols from nano-enabled products. <i>NanoImpact</i> , 2021, 22, 100307.	4.7	4
62	Direct measurement of thermophoretic and photophoretic force acting on hot micromotors with optical tweezers. <i>Applied Surface Science</i> , 2021, 549, 149319.	6.3	15
63	Impact of political and market-based measures on aviation emissions and passenger behaviors (a Swiss Tj ETQq1 1,0784314,9rgBT /O	2.8	1
64	Filtration Performance Degradation of In-use Masks by Vapors from Alcohol-Based Hand Sanitizers and the Mitigation Solutions. <i>Global Challenges</i> , 2021, 5, 2100015.	0.0	4
65	PET/TPU nanofiber composite filters with high interfacial adhesion strength based on one-step co-electrospinning. <i>Powder Technology</i> , 2021, 387, 136-145.	4.3	28
66	Quantitative modeling of the impact of facemasks and associated leakage on the airborne transmission of SARS-CoV-2. <i>Scientific Reports</i> , 2021, 11, 19403.	3.4	23
67	Self-supporting smart air filters based on PZT/PVDF electrospun nanofiber composite membrane. <i>Chemical Engineering Journal</i> , 2021, 423, 130247.	13.0	28
68	Abundance and diversity of antibiotic resistance genes possibly released to ambient air by experiments in biology laboratories. <i>Science of the Total Environment</i> , 2021, 797, 149147.	8.2	12
69	A 3D-cascade-microlens optofluidic chip for refractometry with adjustable sensitivity. <i>Lab on A Chip</i> , 2021, 21, 3784-3792.	6.1	9
70	Quantitative Determination of Airborne Redox-Active Compounds Based on Heating-Induced Reduction of Gold Nanoparticles. <i>Analytical Chemistry</i> , 2021, 93, 14859-14868.	6.8	7
71	Plasmonic O ₂ dissociation and spillover expedite selective oxidation of primary C-H bonds. <i>Chemical Science</i> , 2021, 12, 15308-15317.	7.8	12
72	Contributions of Traffic and Industrial Emission Reductions to the Air Quality Improvement after the Lockdown of Wuhan and Neighboring Cities Due to COVID-19. <i>Toxics</i> , 2021, 9, 358.	3.8	12

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73	Filtration performance and charge degradation during particle loading and reusability of charged PTFE needle felt filters. <i>Separation and Purification Technology</i> , 2020, 233, 116003.	8.1	38
74	Conformal Cu Coating on Electrospun Nanofibers for 3D Electro-Conductive Networks. <i>Advanced Electronic Materials</i> , 2020, 6, 1900767.	5.4	8
75	Effects of Combining Graphene Nanoplatelet and Phosphorous Flame Retardant as Additives on Mechanical Properties and Flame Retardancy of Epoxy Nanocomposite. <i>Polymers</i> , 2020, 12, 2349.	4.6	27
76	Aerodynamic property and filtration evaluation of airborne graphene nanoplatelets with plate-like shape and folded structure. <i>Separation and Purification Technology</i> , 2020, 251, 117293.	8.1	8
77	Evaluation of Regeneration Processes for Filtering Facepiece Respirators in Terms of the Bacteria Inactivation Efficiency and Influences on Filtration Performance. <i>ACS Nano</i> , 2020, 14, 13161-13171.	15.3	48
78	Ambient PM Toxicity Is Correlated with Expression Levels of Specific MicroRNAs. <i>Environmental Science & Technology</i> , 2020, 54, 10227-10236.	10.5	17
79	Laminar Flow-Based Fiber Fabrication and Encoding via Two-Photon Lithography. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 54068-54074.	8.3	6
80	Liquid repellency enhancement through flexible microstructures. <i>Science Advances</i> , 2020, 6, eaba9721.	10.9	38
81	Influence of Aviation Emission on the Particle Number Concentration near Zurich Airport. <i>Environmental Science & Technology</i> , 2020, 54, 14161-14171.	10.5	26
82	Additive manufacturing of silica aerogels. <i>Nature</i> , 2020, 584, 387-392.	36.2	372
83	Composites of epoxy and graphene-related materials: Nanostructure characterization and release quantification. <i>NanoImpact</i> , 2020, 20, 100266.	4.7	6
84	Self-aligned 3D microlenses in a chip fabricated with two-photon stereolithography for highly sensitive absorbance measurement. <i>Lab on A Chip</i> , 2020, 20, 2334-2342.	6.1	11
85	The antibacterial performance of positively charged and chitosan dipped air filter media. <i>Building and Environment</i> , 2020, 180, 107020.	7.0	43
86	Regeneration of carbon nanotube saturated with tetracycline by microwave-ultraviolet system: Performance and degradation pathway. <i>Chemical Engineering Journal</i> , 2020, 394, 124752.	13.0	22
87	Flexible and Ultrathin Waterproof Cellular Membranes Based on High-Conjunction Metal-Wrapped Polymer Nanofibers for Electromagnetic Interference Shielding. <i>Advanced Materials</i> , 2020, 32, e1908496.	24.3	255
88	Total Bioaerosol Detection by a Succinimidyl-Ester-Functionalized Plasmonic Biosensor To Reveal Different Characteristics at Three Locations in Switzerland. <i>Environmental Science & Technology</i> , 2020, 54, 1353-1362.	10.5	15
89	Electret mechanisms and kinetics of electrospun nanofiber membranes and lifetime in filtration applications in comparison with corona-charged membranes. <i>Journal of Membrane Science</i> , 2020, 600, 117879.	8.3	72
90	Release of graphene-related materials from epoxy-based composites: characterization, quantification and hazard assessment <i>in vitro</i> . <i>Nanoscale</i> , 2020, 12, 10703-10722.	5.8	24

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91	High Curie temperature and carrier mobility of novel Fe, Co and Ni carbide MXenes. <i>Nanoscale</i> , 2020, 12, 11627-11637.	5.8	28
92	Stimuli-Responsive Microarray Films for Real-Time Sensing of Surrounding Media, Temperature, and Solution Properties via Diffraction Patterns. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 19080-19091.	8.3	25
93	Dual-Functional Plasmonic Photothermal Biosensors for Highly Accurate Severe Acute Respiratory Syndrome Coronavirus 2 Detection. <i>ACS Nano</i> , 2020, 14, 5268-5277.	15.3	888
94	A Counter Propagating Lensâ€Mirror System for Ultrahigh Throughput Single Droplet Detection. <i>Small</i> , 2020, 16, e1907534.	11.2	14
95	Relationship between Aerosols Exposure and Lung Deposition Dose. <i>Aerosol and Air Quality Research</i> , 2020, 20, 1083-1093.	2.1	17
96	Electrocatalytic Reduction of Gaseous CO ₂ to CO on Sn/Cuâ€Nanofiberâ€Based Gas Diffusion Electrodes. <i>Advanced Energy Materials</i> , 2019, 9, 1901514.	22.2	78
97	Simulation of performance of fibrous filter media composed of cellulose and synthetic fibers. <i>Cellulose</i> , 2019, 26, 7051-7065.	5.1	23
98	3D-structured supports create complete data sets for electron crystallography. <i>Nature Communications</i> , 2019, 10, 3316.	13.2	23
99	A number-based inventory of size-resolved black carbon particle emissions by global civil aviation. <i>Nature Communications</i> , 2019, 10, 534.	13.2	55
100	UV-Initiated Softâ€Tough Multifunctional Gel Polymer Electrolyte Achieves Stable-Cycling Li-Metal Battery. <i>ACS Applied Energy Materials</i> , 2019, 2, 4513-4520.	5.3	21
101	Chemical composition and radiative properties of nascent particulate matter emitted by an aircraft turbofan burning conventional and alternative fuels. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 6809-6820.	5.0	20
102	Differing toxicity of ambient particulate matter (PM) in global cities. <i>Atmospheric Environment</i> , 2019, 212, 305-315.	4.2	54
103	Determination of the delivered dose of nanoparticles in the trachea-bronchial and alveolar regions of the lung. <i>NanoImpact</i> , 2019, 14, 100162.	4.7	14
104	Impacts of Alternative Fuels on Morphological and Nanostructural Characteristics of Soot Emissions from an Aviation Piston Engine. <i>Environmental Science & Technology</i> , 2019, 53, 4667-4674.	10.5	36
105	Filtration performance and loading capacity of nano-structured composite filter media for applications with high soot concentrations. <i>Separation and Purification Technology</i> , 2019, 221, 175-182.	8.1	23
106	High-performance carbon/MnO ₂ micromotors and their applications for pollutant removal. <i>Chemosphere</i> , 2019, 219, 427-435.	8.4	26
107	Reinforced and superinsulating silica aerogel through in situ cross-linking with silane terminated prepolymers. <i>Acta Materialia</i> , 2018, 147, 322-328.	8.0	29
108	LCA of mobility solutions: approaches and findingsâ€66th LCA forum, Swiss Federal Institute of Technology, Zurich, 30 August, 2017. <i>International Journal of Life Cycle Assessment</i> , 2018, 23, 381-386.	4.8	3

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109	Identification of secondary aerosol precursors emitted by an aircraft turbofan. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 7379-7391.	5.0	16
110	Filtration performance of air filter paper containing kapok fibers against oil aerosols. <i>Cellulose</i> , 2018, 25, 6719-6729.	5.1	19
111	Size-Resolved Endotoxin and Oxidative Potential of Ambient Particles in Beijing and Zürich. <i>Environmental Science & Technology</i> , 2018, 52, 6816-6824.	10.5	46
112	Global Survey of Antibiotic Resistance Genes in Air. <i>Environmental Science & Technology</i> , 2018, 52, 10975-10984.	10.5	247
113	All-Nanofiber-Based Ultralight Stretchable Triboelectric Nanogenerator for Self-Powered Wearable Electronics. <i>ACS Applied Energy Materials</i> , 2018, 1, 2326-2332.	5.3	47
114	Investigation of surface potential discharge mechanism and kinetics in dielectrics exposed to different organic solvents. <i>Polymer</i> , 2018, 145, 447-453.	3.9	24
115	Assessment of Particle Pollution from Jetliners: from Smoke Visibility to Nanoparticle Counting. <i>Environmental Science & Technology</i> , 2017, 51, 3534-3541.	10.5	36
116	Agglomeration potential of TiO ₂ in synthetic leachates made from the fly ash of different incinerated wastes. <i>Environmental Pollution</i> , 2017, 223, 616-623.	7.7	10
117	Organic dye removal by MnO ₂ and Ag micromotors under various ambient conditions: The comparison between two abatement mechanisms. <i>Chemosphere</i> , 2017, 184, 601-608.	8.4	29
118	Transformation of the released asbestos, carbon fibers and carbon nanotubes from composite materials and the changes of their potential health impacts. <i>Journal of Nanobiotechnology</i> , 2017, 15, 15.	9.3	35
119	Characterization of Gas-Phase Organics Using Proton Transfer Reaction Time-of-Flight Mass Spectrometry: Aircraft Turbine Engines. <i>Environmental Science & Technology</i> , 2017, 51, 3621-3629.	10.5	7
120	Very low emissions of airborne particulate pollutants measured from two municipal solid waste incineration plants in Switzerland. <i>Atmospheric Environment</i> , 2017, 166, 99-109.	4.2	23
121	Airborne Nanoparticle Release and Toxicological Risk from Metal-Oxide-Coated Textiles: Toward a Multiscale Safe-by-Design Approach. <i>Environmental Science & Technology</i> , 2017, 51, 9305-9317.	10.5	34
122	Release and Gas-Particle Partitioning Behaviors of Short-Chain Chlorinated Paraffins (SCCPs) During the Thermal Treatment of Polyvinyl Chloride Flooring. <i>Environmental Science & Technology</i> , 2017, 51, 9005-9012.	10.5	37
123	An integrative model for the filtration efficiencies in realistic tests with consideration of the filtration velocity profile and challenging particle size distribution. <i>Aerosol Science and Technology</i> , 2017, 51, 178-187.	3.1	8
124	Inter-Laboratory Validation of the Method to Determine the Filtration Efficiency for Airborne Particles in the 3-500 nm Range and Results Sensitivity Analysis. <i>Aerosol and Air Quality Research</i> , 2017, 17, 2669-2680.	2.1	13
125	On the Special Issue for the 12th World Filtration Congress. <i>Aerosol and Air Quality Research</i> , 2017, 17, 2643-2644.	2.1	0
126	Response of real-time black carbon mass instruments to mini-CAST soot. <i>Aerosol Science and Technology</i> , 2016, 50, 906-918.	3.1	44

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127	Chemical characterization of freshly emitted particulate matter from aircraft exhaust using single particle mass spectrometry. <i>Atmospheric Environment</i> , 2016, 134, 181-197.	4.2	34
128	Explicit expressions for the minimum efficiency and most penetrating particle size of Nuclepore filters. <i>Journal of Aerosol Science</i> , 2016, 100, 108-117.	3.9	4
129	Effects of relative humidity and particle type on the performance and service life of automobile cabin air filters. <i>Aerosol Science and Technology</i> , 2016, 50, 542-554.	3.1	13
130	Characteristics of airborne fractal-like agglomerates of carbon nanotubes. <i>Carbon</i> , 2015, 93, 441-450.	10.7	18
131	Measurement of Aircraft Engine Non-Volatile PM Emissions: Results of the Aviation-Particle Regulatory Instrumentation Demonstration Experiment (A-PRIDE) 4 Campaign. <i>Aerosol Science and Technology</i> , 2015, 49, 472-484.	3.1	90
132	Optimizing Filtration Experiments for Length and Fractal Dimension Characterization of Non-Spherical Particles. <i>Aerosol Science and Technology</i> , 2015, 49, 547-555.	3.1	6
133	Particle Emission Characteristics of a Gas Turbine with a Double Annular Combustor. <i>Aerosol Science and Technology</i> , 2015, 49, 842-855.	3.1	42
134	Enhanced dispersion stability and mobility of carboxyl-functionalized carbon nanotubes in aqueous solutions through strong hydrogen bonds. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	2.0	8
135	Decomposition and particle release of a carbon nanotube/epoxy nanocomposite at elevated temperatures. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	2.0	15
136	The capacitance and charge of agglomerated nanoparticles during sintering. <i>Journal of Aerosol Science</i> , 2015, 83, 1-11.	3.9	7
137	Effect of particle agglomeration in nanotoxicology. <i>Archives of Toxicology</i> , 2015, 89, 659-675.	4.3	130
138	Effective Density and Mass-Mobility Exponent of Aircraft Turbine Particulate Matter. <i>Journal of Propulsion and Power</i> , 2015, 31, 573-582.	2.3	33
139	Effective density and mass mobility exponents of particulate matter in aircraft turbine exhaust: Dependence on engine thrust and particle size. <i>Journal of Aerosol Science</i> , 2015, 88, 135-147.	3.9	37
140	Exposure Assessment of a High-energy Tensile Test With Large Carbon Fiber Reinforced Polymer Cables. <i>Journal of Occupational and Environmental Hygiene</i> , 2015, 12, D178-D183.	1.2	6
141	Weathering of a carbon nanotube/epoxy nanocomposite under UV light and in water bath: impact on abraded particles. <i>Nanoscale</i> , 2015, 7, 18524-18536.	5.8	35
142	Effects of Fuel Aromatic Content on Nonvolatile Particulate Emissions of an In-Production Aircraft Gas Turbine. <i>Environmental Science & Technology</i> , 2015, 49, 13149-13157.	10.5	81
143	Carbon Nanotubes Released from an Epoxy-Based Nanocomposite: Quantification and Particle Toxicity. <i>Environmental Science & Technology</i> , 2015, 49, 10616-10623.	10.5	74
144	Aerosol Emission Monitoring and Assessment of Potential Exposure to Multi-walled Carbon Nanotubes in the Manufacture of Polymer Nanocomposites. <i>Annals of Occupational Hygiene</i> , 2015, 59, 1135-1151.	1.9	16

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145	Silver Nanowire Penetration Through Screen Filter. <i>Aerosol Science and Technology</i> , 2014, 48, 480-488.	3.1	7
146	Filtration Performance Against Nanoparticles by Electrospun Nylon-6 Media Containing Ultrathin Nanofibers. <i>Aerosol Science and Technology</i> , 2014, 48, 1332-1344.	3.1	24
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