

Fangxia Shen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42
papers

1,268
citations

21
h-index

35
g-index

44
ext. papers

1,592
ext. citations

8.3
avg, IF

4.27
L-index

#	Paper	IF	Citations
42	Global Survey of Antibiotic Resistance Genes in Air. <i>Environmental Science & Technology</i> , 2018 , 52, 10975-10984	10.3	138
41	Air Pollution and Climate Change Effects on Allergies in the Anthropocene: Abundance, Interaction, and Modification of Allergens and Adjuvants. <i>Environmental Science & Technology</i> , 2017 , 51, 4119-4141	10.3	123
40	Rapid flu diagnosis using silicon nanowire sensor. <i>Nano Letters</i> , 2012 , 12, 3722-30	11.5	114
39	Bioaerosol Science, Technology, and Engineering: Past, Present, and Future. <i>Aerosol Science and Technology</i> , 2011 , 45, 1337-1349	3.4	96
38	Ambient bioaerosol particle dynamics observed during haze and sunny days in Beijing. <i>Science of the Total Environment</i> , 2016 , 550, 751-759	10.2	94
37	Rapid inactivation of biological species in the air using atmospheric pressure nonthermal plasma. <i>Environmental Science & Technology</i> , 2012 , 46, 3360-8	10.3	71
36	Integrating silicon nanowire field effect transistor, microfluidics and air sampling techniques for real-time monitoring biological aerosols. <i>Environmental Science & Technology</i> , 2011 , 45, 7473-80	10.3	59
35	Development of an Automated Electrostatic Sampler (AES) for Bioaerosol Detection. <i>Aerosol Science and Technology</i> , 2011 , 45, 1154-1160	3.4	46
34	Reactive Oxygen Species Formed by Secondary Organic Aerosols in Water and Surrogate Lung Fluid. <i>Environmental Science & Technology</i> , 2018 , 52, 11642-11651	10.3	43
33	Enhancing Oxygen Vacancies by Introducing Na into OMS-2 Tunnels To Promote Catalytic Ozone Decomposition. <i>Environmental Science & Technology</i> , 2019 , 53, 13332-13343	10.3	42
32	Biological responses of Gram-positive and Gram-negative bacteria to nZVI (Fe ⁰), Fe ²⁺ and Fe ³⁺ . <i>RSC Advances</i> , 2013 , 3, 13835	3.7	40
31	To Promote Ozone Catalytic Decomposition by Fabricating Manganese Vacancies in γ -MnO ₂ Catalyst via Selective Dissolution of Mn-Li Precursors. <i>Applied Catalysis B: Environmental</i> , 2020 , 274, 119088	21.8	37
30	Microbial aerosol characteristics in highly polluted and near-pristine environments featuring different climatic conditions. <i>Science Bulletin</i> , 2015 , 60, 1439-1447	10.6	35
29	Inactivation and magnetic separation of bacteria from liquid suspensions using electrospayed and nonelectrospayed nZVI particles: observations and mechanisms. <i>Environmental Science & Technology</i> , 2012 , 46, 2360-7	10.3	31
28	Radical Formation by Fine Particulate Matter Associated with Highly Oxygenated Molecules. <i>Environmental Science & Technology</i> , 2019 , 53, 12506-12518	10.3	30
27	Molecular and microscopic analysis of bacteria and viruses in exhaled breath collected using a simple impaction and condensing method. <i>PLoS ONE</i> , 2012 , 7, e41137	3.7	28
26	Characterization of biological aerosol exposure risks from automobile air conditioning system. <i>Environmental Science & Technology</i> , 2013 , 47, 10660-6	10.3	28

25	Use of gelatin filter and BioSampler in detecting airborne H5N1 nucleotides, bacteria and allergens. <i>Journal of Aerosol Science</i> , 2010 , 41, 869-879	4.3	27
24	Differing toxicity of ambient particulate matter (PM) in global cities. <i>Atmospheric Environment</i> , 2019 , 212, 305-315	5.3	25
23	Point decoration of silicon nanowires: an approach toward single-molecule electrical detection. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5038-43	16.4	21
22	Enhancing bioaerosol sampling by Andersen impactors using mineral-oil-spread agar plate. <i>PLoS ONE</i> , 2013 , 8, e56896	3.7	21
21	The pollution characteristics of PM10 and PM2.5 during summer and winter in Beijing, Suning and Islamabad. <i>Atmospheric Pollution Research</i> , 2019 , 10, 1159-1164	4.5	16
20	Point Decoration of Silicon Nanowires: An Approach Toward Single-Molecule Electrical Detection. <i>Angewandte Chemie</i> , 2014 , 126, 5138-5143	3.6	12
19	Catalytic oxidation of ethyl acetate over LaBO (B = Co, Mn, Ni, Fe) perovskites supported silver catalysts.. <i>RSC Advances</i> , 2018 , 8, 33425-33431	3.7	12
18	Characteristics of biological particulate matters at urban and rural sites in the North China Plain. <i>Environmental Pollution</i> , 2019 , 253, 569-577	9.3	9
17	Frontispiece: Point Decoration of Silicon Nanowires: An Approach Toward Single-Molecule Electrical Detection. <i>Angewandte Chemie - International Edition</i> , 2014 , 53,	16.4	8
16	Negatively and positively charged bacterial aerosol concentration and diversity in natural environments. <i>Science Bulletin</i> , 2013 , 58, 3169-3176		7
15	Indoor air filtration could lead to increased airborne endotoxin levels. <i>Environment International</i> , 2020 , 142, 105878	12.9	6
14	A novel method for measuring the charge distribution of airborne microbes. <i>Aerobiologia</i> , 2011 , 27, 135-145		6
13	Characterization of fungal aerosol in a landfill and an incineration plants in Guangzhou, Southern China: The link to potential impacts. <i>Science of the Total Environment</i> , 2021 , 764, 142908	10.2	6
12	Impact of outdoor air on indoor airborne microbiome under hazy air pollution: A case study in winter Beijing. <i>Journal of Aerosol Science</i> , 2021 , 156, 105798	4.3	6
11	Culturability, metabolic activity and composition of ambient bacterial aerosols in a surrogate lung fluid. <i>Science of the Total Environment</i> , 2019 , 690, 76-84	10.2	5
10	Are we biologically safe with snow precipitation? A case study in Beijing. <i>PLoS ONE</i> , 2013 , 8, e65249	3.7	5
9	Abundance and composition of airborne archaea during springtime mixed dust and haze periods in Beijing, China. <i>Science of the Total Environment</i> , 2021 , 752, 141641	10.2	5
8	To enhance water resistance for catalytic ozone decomposition by fabricating H2O adsorption-site inOMS-2 tunnels. <i>Applied Catalysis B: Environmental</i> , 2021 , 297, 120466	21.8	5

7	Development of a novel conductance-based technology for environmental bacterial sensing. <i>Science Bulletin</i> , 2013 , 58, 440-448		4
6	Aqueous-phase reactive species formed by fine particulate matter from remote forests and polluted urban air. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 10439-10455	6.8	3
5	Release of inhalable particles and viable microbes to the air during packaging peeling: Emission profiles and mechanisms. <i>Environmental Pollution</i> , 2021 , 285, 117338	9.3	1
4	Insights into the Profile of the Human Expiratory Microbiota and Its Associations with Indoor Microbiotas.. <i>Environmental Science & Technology</i> , 2022 ,	10.3	1
3	Influence of rainfall on fungal aerobiota in the urban atmosphere over Tianjin, China: A case study. <i>Atmospheric Environment: X</i> , 2021 , 12, 100137	2.8	0
2	Inhalable particle-bound marine biotoxins in a coastal atmosphere: Concentration levels, influencing factors and health risks.. <i>Journal of Hazardous Materials</i> , 2022 , 434, 128925	12.8	0
1	Chronic Inflammation Under the Microscope. <i>Microscopy Today</i> , 2016 , 24, 38-45	0.4	