

Minghui Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

427
citations

933447

10
h-index

1125743

13
g-index

26
all docs

26
docs citations

26
times ranked

640
citing authors

#	ARTICLE	IF	CITATIONS
1	The number fraction of iron-containing particles affects OH, HO ₂ and H ₂ O ₂ budgets in the atmospheric aqueous phase. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 1989-2009.	4.9	6
2	Sensitivities to biological aerosol particle properties and ageing processes: potential implications for aerosol-cloud interactions and optical properties. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 3699-3724.	4.9	13
3	Biodegradation by bacteria in clouds: an underestimated sink for some organics in the atmospheric multiphase system. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 3123-3141.	4.9	13
4	Aitken mode particles as CCN in aerosol- and updraft-sensitive regimes of cloud droplet formation. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 11723-11740.	4.9	15
5	High-Resolution Fluorescence Spectra of Airborne Biogenic Secondary Organic Aerosols: Comparisons to Primary Biological Aerosol Particles and Implications for Single-Particle Measurements. <i>Environmental Science & Technology</i> , 2021, 55, 16747-16756.	10.0	7
6	Size-Resolved Single-Particle Fluorescence Spectrometer for Real-Time Analysis of Bioaerosols: Laboratory Evaluation and Atmospheric Measurements. <i>Environmental Science & Technology</i> , 2019, 53, 13257-13264.	10.0	14
7	Ambient measurement of fluorescent aerosol particles with a WIFS in the Yangtze River Delta of China: potential impacts of combustion-related aerosol particles. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 11337-11348.	4.9	32
8	Mimicking how plants control CO ₂ influx: CO ₂ activation of ion current rectification in nanochannels. <i>NPG Asia Materials</i> , 2015, 7, e215-e215.	7.9	11
9	Artificial Ion Channels Regulating Light-Induced Ionic Currents in Photoelectrical Conversion Systems. <i>Advanced Materials</i> , 2014, 26, 2329-2334.	21.0	46
10	Theoretical simulation of the ion current rectification (ICR) in nano-pores based on the Poisson-Nernst-Planck (PNP) model. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 23-32.	2.8	42
11	Nanofluidic Diode Based on Branched Alumina Nanochannels with Tunable Ionic Rectification. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 7931-7936.	8.0	52
12	Photo-induced current amplification in l-histidine modified nanochannels based on a highly charged photoacid in solution. <i>Chemical Communications</i> , 2013, 49, 2284.	4.1	16
13	Light and pH Cooperative Nanofluidic Diode Using a Spiropyran-Functionalized Single Nanochannel. <i>Advanced Materials</i> , 2012, 24, 2424-2428.	21.0	158
14	Untested natural medicines are big threats to health in China and Africa. <i>Journal of Global Health Reports</i> , 0, , .	1.0	0