

Haihan Chen

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,727
citations

471061

17
h-index

752256

20
g-index

21
all docs

21
docs citations

21
times ranked

3104
citing authors

#	ARTICLE	IF	CITATIONS
1	Titanium Dioxide Photocatalysis in Atmospheric Chemistry. <i>Chemical Reviews</i> , 2012, 112, 5919-5948.	23.0	710
2	Coal Fly Ash as a Source of Iron in Atmospheric Dust. <i>Environmental Science & Technology</i> , 2012, 46, 2112-2120.	4.6	129
3	Reactions of Methanesulfonic Acid with Amines and Ammonia as a Source of New Particles in Air. <i>Journal of Physical Chemistry B</i> , 2016, 120, 1526-1536.	1.2	115
4	Iron Dissolution of Dust Source Materials during Simulated Acidic Processing: The Effect of Sulfuric, Acetic, and Oxalic Acids. <i>Environmental Science & Technology</i> , 2013, 47, 10312-10321.	4.6	98
5	Iron oxide nanoparticles induce <i>Pseudomonas aeruginosa</i> growth, induce biofilm formation, and inhibit antimicrobial peptide function. <i>Environmental Science: Nano</i> , 2014, 1, 123.	2.2	96
6	New particle formation and growth from methanesulfonic acid, trimethylamine and water. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 13699-13709.	1.3	88
7	New Particle Formation from Methanesulfonic Acid and Amines/Ammonia as a Function of Temperature. <i>Environmental Science & Technology</i> , 2017, 51, 243-252.	4.6	76
8	Heterogeneous Photochemistry of Trace Atmospheric Gases with Components of Mineral Dust Aerosol. <i>Journal of Physical Chemistry A</i> , 2011, 115, 490-499.	1.1	61
9	A Kinetic Study of Ozone Decomposition on Illuminated Oxide Surfaces. <i>Journal of Physical Chemistry A</i> , 2011, 115, 11979-11987.	1.1	55
10	Mesoporous bismuth titanate with visible-light photocatalytic activity. <i>Chemical Communications</i> , 2008, , 4977.	2.2	51
11	Heterogeneous Atmospheric Chemistry of Lead Oxide Particles with Nitrogen Dioxide Increases Lead Solubility: Environmental and Health Implications. <i>Environmental Science & Technology</i> , 2012, 46, 12806-12813.	4.6	50
12	Vertically resolved concentration and liquid water content of atmospheric nanoparticles at the US DOE Southern Great Plains site. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 311-326.	1.9	31
13	Heterogeneous Uptake of Carbonyl Sulfide on Hematite and Hematite~NaCl Mixtures. <i>Environmental Science & Technology</i> , 2007, 41, 6484-6490.	4.6	30
14	A comparative evaluation of water uptake on several mineral dust sources. <i>Environmental Chemistry</i> , 2010, 7, 162.	0.7	27
15	Coal Fly Ash Impairs Airway Antimicrobial Peptides and Increases Bacterial Growth. <i>PLoS ONE</i> , 2013, 8, e57673.	1.1	27
16	Size resolved chemical composition of nanoparticles from reactions of sulfuric acid with ammonia and dimethylamine. <i>Aerosol Science and Technology</i> , 2018, 52, 1120-1133.	1.5	26
17	Aerosol fast flow reactor for laboratory studies of new particle formation. <i>Journal of Aerosol Science</i> , 2014, 78, 30-40.	1.8	21
18	Chemical imaging analysis of environmental particles using the focused ion beam/scanning electron microscopy technique: microanalysis insights into atmospheric chemistry of fly ash. <i>Analyst</i> , The, 2013, 138, 451-460.	1.7	18

#	ARTICLE	IF	CITATIONS
19	Synthesis of small crystal zeolite beta in a biphasic H ₂ O/CTAB/alcohol system. Materials Letters, 2009, 63, 343-345.	1.3	15