Haihan Chen

List of Publications by Year
in descending order

19 papers	1,727 citations	471509 17 h-index	752698 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. Chemical Reviews, 2012, 112, 5919-5948.	47.7	710
2	Coal Fly Ash as a Source of Iron in Atmospheric Dust. Environmental Science & Technology, 2012, 46, 2112-2120.	10.0	129
3	Reactions of Methanesulfonic Acid with Amines and Ammonia as a Source of New Particles in Air. Journal of Physical Chemistry B, 2016, 120, 1526-1536.	2.6	115
4	Iron Dissolution of Dust Source Materials during Simulated Acidic Processing: The Effect of Sulfuric, Acetic, and Oxalic Acids. Environmental Science & Technology, 2013, 47, 10312-10321.	10.0	98
5	Iron oxide nanoparticles induce Pseudomonas aeruginosa growth, induce biofilm formation, and inhibit antimicrobial peptide function. Environmental Science: Nano, 2014, 1, 123.	4.3	96
6	New particle formation and growth from methanesulfonic acid, trimethylamine and water. Physical Chemistry Chemical Physics, 2015, 17, 13699-13709.	2.8	88
7	New Particle Formation from Methanesulfonic Acid and Amines/Ammonia as a Function of Temperature. Environmental Science & Technology, 2017, 51, 243-252.	10.0	76
8	Heterogeneous Photochemistry of Trace Atmospheric Gases with Components of Mineral Dust Aerosol. Journal of Physical Chemistry A, 2011, 115, 490-499.	2.5	61
9	A Kinetic Study of Ozone Decomposition on Illuminated Oxide Surfaces. Journal of Physical Chemistry A, 2011, 115, 11979-11987.	2.5	55
10	Mesoporous bismuth titanate with visible-light photocatalytic activity. Chemical Communications, 2008, , 4977.	4.1	51
11	Heterogeneous Atmospheric Chemistry of Lead Oxide Particles with Nitrogen Dioxide Increases Lead Solubility: Environmental and Health Implications. Environmental Science & Technology, 2012, 46, 12806-12813.	10.0	50
12	Vertically resolved concentration and liquid water content of atmospheric nanoparticles at the US DOE Southern Great Plains site. Atmospheric Chemistry and Physics, 2018, 18, 311-326.	4.9	31
13	Heterogeneous Uptake of Carbonyl Sulfide on Hematite and Hematiteâ˜NaCl Mixtures. Environmental Science & Technology, 2007, 41, 6484-6490.	10.0	30
14	A comparative evaluation of water uptake on several mineral dust sources. Environmental Chemistry, 2010, 7, 162.	1.5	27
15	Coal Fly Ash Impairs Airway Antimicrobial Peptides and Increases Bacterial Growth. PLoS ONE, 2013, 8, e57673.	2.5	27
16	Size resolved chemical composition of nanoparticles from reactions of sulfuric acid with ammonia and dimethylamine. Aerosol Science and Technology, 2018, 52, 1120-1133.	3.1	26
17	Aerosol fast flow reactor for laboratory studies of new particle formation. Journal of Aerosol Science, 2014, 78, 30-40.	3.8	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. Analyst, The, 2013, 138, 451-460.	3.5	18

#	Article	IF	Citations
19	Synthesis of small crystal zeolite beta in a biphasic H2Oâ€“CTABâ€“alcohol system. Materials Letters, 2009, 63, 343-345.	2.6	15