List of Publications by Year in descending order

33 papers	2,888 citations	304368 22 h-index	433756 31 g-index
37 all docs	37 docs citations	37 times ranked	2490 citing authors

#	Article	IF	Citations
1	Measurement of atmospheric nanoparticles: Bridging the gap between gas-phase molecules and larger particles. Journal of Environmental Sciences, 2023, 123, 183-202.	3.2	7
2	Atmospheric Sulfuric Acid Dimer Formation in a Polluted Environment. International Journal of Environmental Research and Public Health, 2022, 19, 6848.	1.2	0
3	The important roles of surface tension and growth rate in the contribution of new particle formation (NPF) to cloud condensation nuclei (CCN) number concentration: evidence from field measurements in southern China. Atmospheric Chemistry and Physics, 2021, 21, 8575-8592.	1.9	9
4	Regional modeling of secondary organic aerosol formation over eastern China: The impact of uptake coefficients of dicarbonyls and semivolatile process of primary organic aerosol. Science of the Total Environment, 2021, 793, 148176.	3.9	4
5	Source apportionment of marine atmospheric aerosols in northern South China Sea during summertime 2018. Environmental Pollution, 2021, 289, 117948.	3.7	10
6	Effects of continental emissions on cloud condensation nuclei (CCN) activity in the northern South China Sea during summertime 2018. Atmospheric Chemistry and Physics, 2020, 20, 9153-9167.	1.9	16
7	Ion trajectory simulations of a conical octopole ion guide and its comparison with a parallel one in chemical ionization mass spectrometric applications. Rapid Communications in Mass Spectrometry, 2018, 32, 965-972.	0.7	3
8	Modeling the impact of chlorine emissions from coal combustion and prescribed waste incineration on tropospheric ozone formation in China. Atmospheric Chemistry and Physics, 2018, 18, 2709-2724.	1.9	56
9	Reassessing the atmospheric oxidation mechanism of toluene. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8169-8174.	3.3	151
10	Diamineâ€sulfuric acid reactions are a potent source of new particle formation. Geophysical Research Letters, 2016, 43, 867-873.	1.5	78
11	Multiple new-particle growth pathways observed at the US DOE Southern Great Plains field site. Atmospheric Chemistry and Physics, 2016, 16, 9321-9348.	1.9	35
12	Chemical ionization of clusters formed from sulfuric acid and dimethylamine or diamines. Atmospheric Chemistry and Physics, 2016, 16, 12513-12529.	1.9	30
13	Molecular constraints on particle growth during new particle formation. Geophysical Research Letters, 2014, 41, 6045-6054.	1.5	30
14	Quantitative and time-resolved nanoparticle composition measurements during new particle formation. Faraday Discussions, 2013, 165, 25.	1.6	31
15	Acid-base chemical reaction model for nucleation rates in the polluted atmospheric boundary layer. , 2013, , .		2
16	Acidâ€“base chemical reaction model for nucleation rates in the polluted atmospheric boundary layer. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18713-18718.	3.3	169
17	First Measurements of Neutral Atmospheric Cluster and 1â€“2 nm Particle Number Size Distributions During Nucleation Events. Aerosol Science and Technology, 2011, 45, ii-v.	1.5	105
18	Chemical ionization mass spectrometric measurements of atmospheric neutral clusters using the clusterâ€CIMS. Journal of Geophysical Research, 2010, 115, .	3.3	110

#	Article	IF	Citations
19	Formation of nanoparticles of blue haze enhanced by anthropogenic pollution. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17650-17654.	3.3	244
20	Hydrogen-Bonding Interaction in Molecular Complexes and Clusters of Aerosol Nucleation Precursors. Journal of Physical Chemistry A, 2009, 113, 680-689.	1.1	183
21	A theoretical investigation of nitrooxyalkyl peroxy radicals from NO3-initiated oxidation of isoprene. Atmospheric Environment, 2008, 42, 5849-5858.	1.9	15
22	Theoretical Investigation of Atmospheric Oxidation of Biogenic Hydrocarbons: A Critical Review. Advances in Quantum Chemistry, 2008, , 177-213.	0.4	15
23	Heterogeneous Chemistry of Butanol and Decanol with Sulfuric Acid:Â Implications for Secondary Organic Aerosol Formation. Journal of Physical Chemistry A, 2006, 110, 13215-13220.	1.1	30
24	Heterogeneous Reactions of Methylglyoxal in Acidic Media:Â Implications for Secondary Organic Aerosol Formation. Environmental Science & Technology, 2006, 40, 7682-7687.	4.6	175
25	Unimolecular decomposition of aromatic bicyclic alkoxy radicals and their acyclic radicals. Chemical Physics Letters, 2006, 432, 313-320.	1.2	23
26	Experimental product study of the OH-initiated oxidation of m-xylene. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 176, 199-207.	2.0	85
27	Theoretical study of OH addition to Î±-pinene and Î²-pinene. Chemical Physics Letters, 2005, 411, 1-7.	1.2	24
28	Heterogeneous chemistry of octanal and 2, 4-hexadienal with sulfuric acid. Geophysical Research Letters, 2005, 32, .	1.5	63
29	Atmospheric New Particle Formation Enhanced by Organic Acids. Science, 2004, 304, 1487-1490.	6.0	716
30	Proton transfer reaction rate constants between hydronium ion (H3O+) and volatile organic compounds. Atmospheric Environment, 2004, 38, 2177-2185.	1.9	275
31	Development of Ion Drift-Chemical Ionization Mass Spectrometry. Analytical Chemistry, 2004, 76, 5436-5440.	3.2	68
32	Quantification of Hydroxycarbonyls from OHâ˙Isoprene Reactions. Journal of the American Chemical Society, 2004, 126, 2686-2687.	6.6	91
33	Oxidation mechanism of Î˙-hydroxyisoprene alkoxy radicals: hydrogen abstraction versus 1,5 H-shift. Chemical Physics Letters, 2003, 369, 204-213.	1.2	31