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	Atmospheric New Particle Formation Enhanced by Organic Acids. Science, 2004, 304, 1487-1490.	6.0	716
2	Proton transfer reaction rate constants between hydronium ion (H3O+) and volatile organic compounds. Atmospheric Environment, 2004, 38, 2177-2185.	1.9	275
3	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
4	Hydrogen-Bonding Interaction in Molecular Complexes and Clusters of Aerosol Nucleation Precursors. Journal of Physical Chemistry A, 2009, 113, 680-689.	1.1	183
5	Heterogeneous Reactions of Methylglyoxal in Acidic Media:Â Implications for Secondary Organic Aerosol Formation. Environmental Science & Technology, 2006, 40, 7682-7687.	4.6	175
6	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
7	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
8	Chemical ionization mass spectrometric measurements of atmospheric neutral clusters using the clusterâ€CIMS. Journal of Geophysical Research, 2010, 115, .	3.3	110
9	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
10	Quantification of Hydroxycarbonyls from OHâ”Isoprene Reactions. Journal of the American Chemical Society, 2004, 126, 2686-2687.	6.6	91
11	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
12	Diamineâ€sulfuric acid reactions are a potent source of new particle formation. Geophysical Research Letters, 2016, 43, 867-873.	1.5	78
13	Development of Ion Drift-Chemical Ionization Mass Spectrometry. Analytical Chemistry, 2004, 76, 5436-5440.	3.2	68
14	Heterogeneous chemistry of octanal and 2, 4-hexadienal with sulfuric acid. Geophysical Research Letters, 2005, 32, .	1.5	63
15	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
16	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
17	Oxidation mechanism of Î´-hydroxyisoprene alkoxy radicals: hydrogen abstraction versus 1,5 H-shift. Chemical Physics Letters, 2003, 369, 204-213.	1.2	31
18	Quantitative and time-resolved nanoparticle composition measurements during new particle formation. Faraday Discussions, 2013, 165, 25.	1.6	31

#	Article	IF	Citations
19	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
20	Molecular constraints on particle growth during new particle formation. Geophysical Research Letters, 2014, 41, 6045-6054.	1.5	30
21	Chemical ionization of clusters formed from sulfuric acid and dimethylamine or diamines. Atmospheric Chemistry and Physics, 2016, 16, 12513-12529.	1.9	30
22	Theoretical study of OH addition to Î±-pinene and Î²-pinene. Chemical Physics Letters, 2005, 411, 1-7.	1.2	24
23	Unimolecular decomposition of aromatic bicyclic alkoxy radicals and their acyclic radicals. Chemical Physics Letters, 2006, 432, 313-320.	1.2	23
24	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
25	A theoretical investigation of nitrooxyalkyl peroxy radicals from NO3-initiated oxidation of isoprene. Atmospheric Environment, 2008, 42, 5849-5858.	1.9	15
26	Theoretical Investigation of Atmospheric Oxidation of Biogenic Hydrocarbons: A Critical Review. Advances in Quantum Chemistry, 2008, , 177-213.	0.4	15
27	Source apportionment of marine atmospheric aerosols in northern South China Sea during summertime 2018. Environmental Pollution, 2021, 289, 117948.	3.7	10
28	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
29	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
30	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
31	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
32	Acid-base chemical reaction model for nucleation rates in the polluted atmospheric boundary layer. , 2013, , .		2
33	Atmospheric Sulfuric Acid Dimer Formation in a Polluted Environment. International Journal of Environmental Research and Public Health, 2022, 19, 6848.	1.2	0