Rebecca Craig

List of Publications by Year
in descending order

14 papers	957 citations	687363 13 h-index	1058476 14 g-index
14 all docs	14 docs citations	14 times ranked	1256 citing authors

#	Article	IF	Citations
1	Reactive Uptake of Isoprene Epoxydiols Increases the Viscosity of the Core of Phase-Separated Aerosol Particles. ACS Earth and Space Chemistry, 2019, 3, 1402-1414.	2.7	35
2	Aerosol Mixing State: Measurements, Modeling, and Impacts. Reviews of Geophysics, 2019, 57, 187-249.	23.0	180
3	Effect of the Aerosol-Phase State on Secondary Organic Aerosol Formation from the Reactive Uptake of Isoprene-Derived Epoxydiols (IEPOX). Environmental Science and Technology Letters, 2018, 5, 167-174.	8.7	131
4	Aerosol Emissions from Great Lakes Harmful Algal Blooms. Environmental Science & Technology, 2018, 52, 397-405.	10.0	66
5	Isoprene-Derived Organosulfates: Vibrational Mode Analysis by Raman Spectroscopy, Acidity-Dependent Spectral Modes, and Observation in Individual Atmospheric Particles. Journal of Physical Chemistry A, 2018, 122, 303-315.	2.5	66
6	Aerosol Acidity: Direct Measurement from a Spectroscopic Method. ACS Symposium Series, 2018, , 171-191.	0.5	7
7	Direct Determination of Aerosol pH: Size-Resolved Measurements of Submicrometer and Supermicrometer Aqueous Particles. Analytical Chemistry, 2018, 90, 11232-11239.	6.5	91
8	Extending surface enhanced Raman spectroscopy (SERS) of atmospheric aerosol particles to the accumulation mode (150â€“800 nm). Environmental Sciences: Processes and Impacts, 2018, 20, 1570-1580.	3.5	15
9	Spectroscopic Determination of Aerosol pH from Acidâ€“Base Equilibria in Inorganic, Organic, and Mixed Systems. Journal of Physical Chemistry A, 2017, 121, 5690-5699.	2.5	79
10	Inland Sea Spray Aerosol Transport and Incomplete Chloride Depletion: Varying Degrees of Reactive Processing Observed during SOAS. Environmental Science & Technology, 2017, 51, 9533-9542.	10.0	56
11	Computer-controlled Raman microspectroscopy (CC-Raman): A method for the rapid characterization of individual atmospheric aerosol particles. Aerosol Science and Technology, 2017, 51, 1099-1112.	3.1	37
12	Changes in precipitating snow chemistry with location and elevation in the California Sierra Nevada. Journal of Geophysical Research D: Atmospheres, 2016, 121, 7296-7309.	3.3	22
13	Direct Measurement of pH in Individual Particles via Raman Microspectroscopy and Variation in Acidity with Relative Humidity. Journal of Physical Chemistry A, 2016, 120, 911-917.	2.5	95
14	Surface Enhanced Raman Spectroscopy Enables Observations of Previously Undetectable Secondary Organic Aerosol Components at the Individual Particle Level. Analytical Chemistry, 2015, 87, 7510-7514.	6.5	77