

Rebecca Craig

List of Publications by Year in descending order

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14
papers

957
citations

687363

13
h-index

1058476

14
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14
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14
docs citations

14
times ranked

1256
citing authors

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