

# Nicole E Olson

## List of Publications by Year in descending order

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17  
papers

773  
citations

759233

12  
h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

949  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Increasing Isoprene Epoxydiol-to-Inorganic Sulfate Aerosol Ratio Results in Extensive Conversion of Inorganic Sulfate to Organosulfur Forms: Implications for Aerosol Physicochemical Properties. <i>Environmental Science &amp; Technology</i> , 2019, 53, 8682-8694.	10.0	111
3	Joint Impacts of Acidity and Viscosity on the Formation of Secondary Organic Aerosol from Isoprene Epoxydiols (IEPOX) in Phase Separated Particles. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 2646-2658.	2.7	80
4	Harmful Algal Bloom Toxins in Aerosol Generated from Inland Lake Water. <i>Environmental Science &amp; Technology</i> , 2020, 54, 4769-4780.	10.0	74
5	Bouncer Particles at Night: Biogenic Secondary Organic Aerosol Chemistry and Sulfate Drive Diel Variations in the Aerosol Phase in a Mixed Forest. <i>Environmental Science &amp; Technology</i> , 2019, 53, 4977-4987.	10.0	72
6	Aerosol Emissions from Great Lakes Harmful Algal Blooms. <i>Environmental Science &amp; Technology</i> , 2018, 52, 397-405.	10.0	66
7	Simultaneous Optical Photothermal Infrared (O-PTIR) and Raman Spectroscopy of Submicrometer Atmospheric Particles. <i>Analytical Chemistry</i> , 2020, 92, 9932-9939.	6.5	47
8	Heterogeneous Hydroxyl Radical Oxidation of Isoprene-Epoxydiol-Derived Methyltetrol Sulfates: Plausible Formation Mechanisms of Previously Unexplained Organosulfates in Ambient Fine Aerosols. <i>Environmental Science and Technology Letters</i> , 2020, 7, 460-468.	8.7	43
9	Unexpected Contributions of Sea Spray and Lake Spray Aerosol to Inland Particulate Matter. <i>Environmental Science and Technology Letters</i> , 2018, 5, 405-412.	8.7	36
10	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
11	Aerosol Acidity Sensing via Polymer Degradation. <i>Analytical Chemistry</i> , 2020, 92, 6502-6511.	6.5	17
12	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
13	Atmospheric Transport of North African Dust-Bearing Supermicron Freshwater Diatoms to South America: Implications for Iron Transport to the Equatorial North Atlantic Ocean. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090476.	4.0	12
14	Lake Spray Aerosol Incorporated into Great Lakes Clouds. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 2765-2774.	2.7	11
15	Morphology and Viscosity Changes after Reactive Uptake of Isoprene Epoxydiols in Submicrometer Phase Separated Particles with Secondary Organic Aerosol Formed from Different Volatile Organic Compounds. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 871-882.	2.7	11
16	Initial pH Governs Secondary Organic Aerosol Phase State and Morphology after Uptake of Isoprene Epoxydiols (IEPOX). <i>Environmental Science &amp; Technology</i> , 2022, 56, 10596-10607.	10.0	9
17	Lake Spray Aerosol Emissions Alter Nitrogen Partitioning in the Great Lakes Region. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093727.	4.0	3