Nathaniel W May

List of Publications by Year
in descending order

23 papers	686 citations	471509 17 h-index	642732 23 g-index
25 all docs	25 docs citations	25 times ranked	1184 citing authors

#	Article	IF	Citations
1	Solid organic-coated ammonium sulfate particles at high relative humidity in the summertime Arctic atmosphere. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2104496119.	7.1	11
2	Impact of Wildfire Smoke Events on Indoor Air Quality and Evaluation of a Low-cost Filtration Method. Aerosol and Air Quality Research, 2021, , .	2.1	9
3	FORest Canopy Atmosphere Transfer (FORCAsT) 2.0: model updates and evaluation with observations at a mixed forest site. Geoscientific Model Development, 2021, 14, 6309-6329.	3.6	4
4	Urban Snowpack ClNO2 Production and Fate: A One-Dimensional Modeling Study. ACS Earth and Space Chemistry, 2020, 4, 1140-1148.	2.7	8
5	Observation of Road Salt Aerosol Driving Inland Wintertime Atmospheric Chlorine Chemistry. ACS Central Science, 2020, 6, 684-694.	11.3	41
6	Wintertime Arctic Sea Spray Aerosol Composition Controlled by Sea Ice Lead Microbiology. ACS Central Science, 2019, 5, 1760-1767.	11.3	47
7	HONO, Particulate Nitrite, and Snow Nitrite at a Midlatitude Urban Site during Wintertime. ACS Earth and Space Chemistry, 2019, 3, 811-822.	2.7	25
8	Lake Spray Aerosol Incorporated into Great Lakes Clouds. ACS Earth and Space Chemistry, 2019, 3, 2765-2774.	2.7	11
9	Snowpack measurements suggest role for multi-year sea ice regions in Arctic atmospheric bromine and chlorine chemistry. Elementa, 2019, 7, .	3.2	20
10	Increases in wintertime PM2.5 sodium and chloride linked to snowfall and road salt application. Atmospheric Environment, 2018, 177, 195-202.	4.1	48
11	Ubiquitous influence of wildfire emissions and secondary organic aerosol on summertime atmospheric aerosol in the forested Great Lakes region. Atmospheric Chemistry and Physics, 2018, 18, 3701-3715.	4.9	44
12	Polar Plunge: Semester-Long Snow Chemistry Research in the General Chemistry Laboratory. Journal of Chemical Education, 2018, 95, 543-552.	2.3	27
13	Aerosol Emissions from Great Lakes Harmful Algal Blooms. Environmental Science & Technology, 2018, 52, 397-405.	10.0	66
14	The importance of blowing snow to halogen-containing aerosol in coastal Antarctica: influence of source region versus wind speed. Atmospheric Chemistry and Physics, 2018, 18, 16689-16711.	4.9	19
15	Unexpected Contributions of Sea Spray and Lake Spray Aerosol to Inland Particulate Matter. Environmental Science and Technology Letters, 2018, 5, 405-412.	8.7	36
16	Particle growth in an isoprene-rich forest: Influences of urban, wildfire, and biogenic air masses. Atmospheric Environment, 2018, 178, 255-264.	4.1	6
17	Dust composition changes from Taylor Glacier (East Antarctica) during the last glacial-interglacial transition: A multi-proxy approach. Quaternary Science Reviews, 2017, 162, 60-71.	3.0	21
18	Laboratory Studies of the Cloud Droplet Activation Properties and Corresponding Chemistry of Saline Playa Dust. Environmental Science & Technology, 2017, 51, 1348-1356.	10.0	33

#	Article	IF	Citations
19	Active molecular iodine photochemistry in the Arctic. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10053-10058.	7.1	63
20	Lake spray aerosol generation: a method for producing representative particles from freshwater wave breaking. Atmospheric Measurement Techniques, 2016, 9, 4311-4325.	3.1	36
21	Lake Spray Aerosol: A Chemical Signature from Individual Ambient Particles. Environmental Science & Technology, 2016, 50, 9835-9845.	10.0	36
22	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
23	Multiyear study of the dependence of sea salt aerosol on wind speed and sea ice conditions in the coastal Arctic. Journal of Geophysical Research D: Atmospheres, 2016, 121, 9208-9219.	3.3	51