

Nathaniel W May

List of Publications by Year in descending order

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Version: 2024-02-01

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	Aerosol Emissions from Great Lakes Harmful Algal Blooms. <i>Environmental Science & Technology</i> , 2018, 52, 397-405.	10.0	66
2	Active molecular iodine photochemistry in the Arctic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10053-10058.	7.1	63
3	Multiyear study of the dependence of sea salt aerosol on wind speed and sea ice conditions in the coastal Arctic. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 9208-9219.	3.3	51
4	Increases in wintertime PM _{2.5} sodium and chloride linked to snowfall and road salt application. <i>Atmospheric Environment</i> , 2018, 177, 195-202.	4.1	48
5	Wintertime Arctic Sea Spray Aerosol Composition Controlled by Sea Ice Lead Microbiology. <i>ACS Central Science</i> , 2019, 5, 1760-1767.	11.3	47
6	Ubiquitous influence of wildfire emissions and secondary organic aerosol on summertime atmospheric aerosol in the forested Great Lakes region. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 3701-3715.	4.9	44
7	Observation of Road Salt Aerosol Driving Inland Wintertime Atmospheric Chlorine Chemistry. <i>ACS Central Science</i> , 2020, 6, 684-694.	11.3	41
8	Lake spray aerosol generation: a method for producing representative particles from freshwater wave breaking. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 4311-4325.	3.1	36
9	Lake Spray Aerosol: A Chemical Signature from Individual Ambient Particles. <i>Environmental Science & Technology</i> , 2016, 50, 9835-9845.	10.0	36
10	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
11	Laboratory Studies of the Cloud Droplet Activation Properties and Corresponding Chemistry of Saline Playa Dust. <i>Environmental Science & Technology</i> , 2017, 51, 1348-1356.	10.0	33
12	Polar Plunge: Semester-Long Snow Chemistry Research in the General Chemistry Laboratory. <i>Journal of Chemical Education</i> , 2018, 95, 543-552.	2.3	27
13	HONO, Particulate Nitrite, and Snow Nitrite at a Midlatitude Urban Site during Wintertime. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 811-822.	2.7	25
14	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
15	Dust composition changes from Taylor Glacier (East Antarctica) during the last glacial-interglacial transition: A multi-proxy approach. <i>Quaternary Science Reviews</i> , 2017, 162, 60-71.	3.0	21
16	Snowpack measurements suggest role for multi-year sea ice regions in Arctic atmospheric bromine and chlorine chemistry. <i>Elementa</i> , 2019, 7, .	3.2	20
17	The importance of blowing snow to halogen-containing aerosol in coastal Antarctica: influence of source region versus wind speed. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 16689-16711.	4.9	19
18	Lake Spray Aerosol Incorporated into Great Lakes Clouds. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 2765-2774.	2.7	11

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Urban Snowpack ClNO ₂ Production and Fate: A One-Dimensional Modeling Study. ACS Earth and Space Chemistry, 2020, 4, 1140-1148.	2.7	8
22	Particle growth in an isoprene-rich forest: Influences of urban, wildfire, and biogenic air masses. Atmospheric Environment, 2018, 178, 255-264.	4.1	6
23	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