

Christina McCluskey

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

2,043
citations

304743

22
h-index

501196

28
g-index

33
all docs

33
docs citations

33
times ranked

1772
citing authors

#	ARTICLE	IF	CITATIONS
1	Sea spray aerosol as a unique source of ice nucleating particles. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5797-5803.	7.1	323
2	A comprehensive laboratory study on the immersion freezing behavior of illite NX particles: a comparison of 17 ice nucleation measurement techniques. Atmospheric Chemistry and Physics, 2015, 15, 2489-2518.	4.9	200
3	Microbial Control of Sea Spray Aerosol Composition: A Tale of Two Blooms. ACS Central Science, 2015, 1, 124-131.	11.3	172
4	Biological aerosol particles as a key determinant of ice nuclei populations in a forest ecosystem. Journal of Geophysical Research D: Atmospheres, 2013, 118, 10,100.	3.3	144
5	The impact of rain on ice nuclei populations at a forested site in Colorado. Geophysical Research Letters, 2013, 40, 227-231.	4.0	110
6	Observations of Ice Nucleating Particles Over Southern Ocean Waters. Geophysical Research Letters, 2018, 45, 11,989.	4.0	110
7	Observations of Clouds, Aerosols, Precipitation, and Surface Radiation over the Southern Ocean: An Overview of CAPRICORN, MARCUS, MICRE, and SOCRATES. Bulletin of the American Meteorological Society, 2021, 102, E894-E928.	3.3	103
8	Marine and Terrestrial Organic Iceâ€Nucleating Particles in Pristine Marine to Continentally Influenced Northeast Atlantic Air Masses. Journal of Geophysical Research D: Atmospheres, 2018, 123, 6196-6212.	3.3	98
9	A Dynamic Link between Ice Nucleating Particles Released in Nascent Sea Spray Aerosol and Oceanic Biological Activity during Two Mesocosm Experiments. Journals of the Atmospheric Sciences, 2017, 74, 151-166.	1.7	93
10	Characteristics of atmospheric ice nucleating particles associated with biomass burning in the US: Prescribed burns and wildfires. Journal of Geophysical Research D: Atmospheres, 2014, 119, 10458-10470.	3.3	73
11	Comparative measurements of ambient atmospheric concentrations of ice nucleating particles using multiple immersion freezing methods and a continuous flow diffusion chamber. Atmospheric Chemistry and Physics, 2017, 17, 11227-11245.	4.9	73
12	A Mesocosm Double Feature: Insights into the Chemical Makeup of Marine Ice Nucleating Particles. Journals of the Atmospheric Sciences, 2018, 75, 2405-2423.	1.7	67
13	The micro-orifice uniform deposit impactorâ€droplet freezing technique (MOUDI-DFT) for measuring concentrations of ice nucleating particles as a function of size: improvements and initial validation. Atmospheric Measurement Techniques, 2015, 8, 2449-2462.	3.1	50
14	Abundance of fluorescent biological aerosol particles at temperatures conducive to the formation of mixed-phase and cirrus clouds. Atmospheric Chemistry and Physics, 2016, 16, 8205-8225.	4.9	50
15	Iceâ€nucleating particle emissions from biomass combustion and the potential importance of soot aerosol. Journal of Geophysical Research D: Atmospheres, 2016, 121, 5888-5903.	3.3	42
16	Simulating Observations of Southern Ocean Clouds and Implications for Climate. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032619.	3.3	42
17	Ship-based measurements of ice nuclei concentrations over the Arctic, Atlantic, Pacific and Southern oceans. Atmospheric Chemistry and Physics, 2020, 20, 15191-15206.	4.9	40
18	Ice nucleation by particles containing long-chain fatty acids of relevance to freezing by sea spray aerosols. Environmental Sciences: Processes and Impacts, 2018, 20, 1559-1569.	3.5	37

#	ARTICLE	IF	CITATIONS
19	Numerical Representations of Marine Ice-Nucleating Particles in Remote Marine Environments Evaluated Against Observations. <i>Geophysical Research Letters</i> , 2019, 46, 7838-7847.	4.0	36
20	Cloud-Nucleating Particles Over the Southern Ocean in a Changing Climate. <i>Earth's Future</i> , 2021, 9, e2020EF001673.	6.3	33
21	Ice-Nucleating Particles That Impact Clouds and Climate: Observational and Modeling Research Needs. <i>Reviews of Geophysics</i> , 2022, 60, .	23.0	29
22	Rapidly evolving ultrafine and fine mode biomass smoke physical properties: Comparing laboratory and field results. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 5750-5768.	3.3	27
23	Direct Online Mass Spectrometry Measurements of Ice Nucleating Particles at a California Coastal Site. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 12157-12172.	3.3	21
24	Characteristics of Ice Nucleating Particles in and Around California Winter Storms. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 11530-11551.	3.3	17
25	A New Method to Determine the Number Concentrations of Refractory Black Carbon Ice Nucleating Particles. <i>Aerosol Science and Technology</i> , 2014, 48, 1264-1275.	3.1	14
26	Organic composition of three different size ranges of aerosol particles over the Southern Ocean. <i>Aerosol Science and Technology</i> , 2021, 55, 268-288.	3.1	13
27	Observations and Modeling of Rime Splintering in Southern Ocean Cumuli. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035479.	3.3	9
28	Development of Heterogeneous Ice Nucleation Rate Coefficient Parameterizations From Ambient Measurements. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095359.	4.0	8