Christina McCluskey

List of Publications by Year
in descending order

28	2,043	304743 22	501196 28
papers	citations	h-index	g-index

33	33	33	1772
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Iceâ€Nucleating Particles That Impact Clouds and Climate: Observational and Modeling Research Needs. Reviews of Geophysics, 2022, 60, .	23.0	29
2	Organic composition of three different size ranges of aerosol particles over the Southern Ocean. Aerosol Science and Technology, 2021, 55, 268-288.	3.1	13
3	Cloudâ€Nucleating Particles Over the Southern Ocean in a Changing Climate. Earth's Future, 2021, 9, e2020EF001673.	6.3	33
4	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
5	Development of Heterogeneous Ice Nucleation Rate Coefficient Parameterizations From Ambient Measurements. Geophysical Research Letters, 2021, 48, e2021GL095359.	4.0	8
6	Observations and Modeling of Rime Splintering in Southern Ocean Cumuli. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035479.	3.3	9
7	Simulating Observations of Southern Ocean Clouds and Implications for Climate. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032619.	3.3	42
8	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
9	Numerical Representations of Marine Iceâ€Nucleating Particles in Remote Marine Environments Evaluated Against Observations. Geophysical Research Letters, 2019, 46, 7838-7847.	4.0	36
10	Direct Online Mass Spectrometry Measurements of Ice Nucleating Particles at a California Coastal Site. Journal of Geophysical Research D: Atmospheres, 2019, 124, 12157-12172.	3.3	21
11	Characteristics of Ice Nucleating Particles in and Around California Winter Storms. Journal of Geophysical Research D: Atmospheres, 2019, 124, 11530-11551.	3.3	17
12	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
13	Observations of Ice Nucleating Particles Over Southern Ocean Waters. Geophysical Research Letters, 2018, 45, 11,989.	4.0	110
14	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
15	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
16	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
17	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
18	Rapidly evolving ultrafine and fine mode biomass smoke physical properties: Comparing laboratory and field results. Journal of Geophysical Research D: Atmospheres, 2016, 121, 5750-5768.	3.3	27

#	Article	IF	Citations
19	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
20	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
21	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
22	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
23	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
24	Microbial Control of Sea Spray Aerosol Composition: A Tale of Two Blooms. ACS Central Science, 2015, 1, 124-131.	11.3	172
25	A New Method to Determine the Number Concentrations of Refractory Black Carbon Ice Nucleating Particles. Aerosol Science and Technology, 2014, 48, 1264-1275.	3.1	14
26	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
27	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
28	The impact of rain on ice nuclei populations at a forested site in Colorado. Geophysical Research Letters, 2013, 40, 227-231.	4.0	110