

# Paul DeMott

## List of Publications by Year in descending order

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228  
papers

21,300  
citations

8181

76  
h-index

12946

131  
g-index

317  
all docs

317  
docs citations

317  
times ranked

8773  
citing authors

#	ARTICLE	IF	CITATIONS
1	Studies on the Competition Between Homogeneous and Heterogeneous Ice Nucleation in Cirrus Formation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	15
2	A numerical framework for simulating the atmospheric variability of supermicron marine biogenic ice nucleating particles. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 847-859.	4.9	9
3	The Sea Spray Chemistry and Particle Evolution study (SeaSCAPE): overview and experimental methods. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 290-315.	3.5	11
4	The COMBLE Campaign: A Study of Marine Boundary Layer Clouds in Arctic Cold-Air Outbreaks. <i>Bulletin of the American Meteorological Society</i> , 2022, 103, E1371-E1389.	3.3	17
5	Discrimination between individual dust and bioparticles using aerosol time-of-flight mass spectrometry. <i>Aerosol Science and Technology</i> , 2022, 56, 592-608.	3.1	6
6	Iceâ€Nucleating Particles That Impact Clouds and Climate: Observational and Modeling Research Needs. <i>Reviews of Geophysics</i> , 2022, 60, .	23.0	29
7	Modeling impacts of ice-nucleating particles from marine aerosols on mixed-phase orographic clouds during 2015 ACAPEX field campaign. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 6749-6771.	4.9	4
8	Annual cycle observations of aerosols capable of ice formation in central Arctic clouds. <i>Nature Communications</i> , 2022, 13, .	12.8	19
9	Pragmatic protocols for working cleanly when measuring ice nucleating particles. <i>Atmospheric Research</i> , 2021, 250, 105419.	4.1	13
10	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
11	Importance of Supermicron Ice Nucleating Particles in Nascent Sea Spray. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL089633.	4.0	29
12	Cloudâ€Nucleating Particles Over the Southern Ocean in a Changing Climate. <i>Earth's Future</i> , 2021, 9, e2020EF001673.	6.3	33
13	Challenging and Improving the Simulation of Midâ€Level Mixedâ€Phase Clouds Over the Highâ€Latitude Southern Ocean. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033490.	3.3	20
14	Empirical formulation for multiple groups of primary biological ice nucleating particles from field observations over Amazonia. <i>Journals of the Atmospheric Sciences</i> , 2021, , .	1.7	5
15	Observations of Clouds, Aerosols, Precipitation, and Surface Radiation over the Southern Ocean: An Overview of CAPRICORN, MARCUS, MICRE, and SOCRATES. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E894-E928.	3.3	103
16	Emissions of Trace Organic Gases From Western U.S. Wildfires Based on WEâ€CAN Aircraft Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033838.	3.3	54
17	Evaluating the potential for Haloarchaea to serve as ice nucleating particles. <i>Biogeosciences</i> , 2021, 18, 3751-3762.	3.3	9
18	Cultivable halotolerant ice-nucleating bacteria and fungi in coastal precipitation. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 9031-9045.	4.9	6

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19	Aerosolâ€“Ice Formation Closure: A Southern Great Plains Field Campaign. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E1952-E1971.	3.3	20
20	Southern Ocean cloud and aerosol data: a compilation of measurements from the 2018 Southern Ocean Ross Sea Marine Ecosystems and Environment voyage. <i>Earth System Science Data</i> , 2021, 13, 3115-3153.	9.9	16
21	Ice in Southern Ocean Clouds With Cloud Top Temperatures Exceeding $\sim 5^{\circ}\text{C}$ . <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034574.	3.3	5
22	Ice Nucleating Activity and Residual Particle Morphology of Bulk Seawater and Sea Surface Microlayer. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 1916-1928.	2.7	12
23	Exposure to Particulate Matter and Estimation of Volatile Organic Compounds across Wildland Firefighter Job Tasks. <i>Environmental Science &amp; Technology</i> , 2021, 55, 11795-11804.	10.0	9
24	Is Ice Formation by Sea Spray Particles at Cirrus Temperatures Controlled by Crystalline Salts?. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2196-2211.	2.7	8
25	Utilizing a Storm-Generating Hotspot to Study Convective Cloud Transitions: The CACTI Experiment. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E1597-E1620.	3.3	30
26	Biomass Burning Smoke and Its Influence on Clouds Over the Western U. S.. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094224.	4.0	13
27	Visualization of the seasonal shift of a variety of airborne pollens in western Tokyo. <i>Science of the Total Environment</i> , 2021, 788, 147623.	8.0	13
28	Observations of Ice Nucleating Particles in the Free Troposphere From Western US Wildfires. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033752.	3.3	24
29	Machine Learning Uncovers Aerosol Size Information From Chemistry and Meteorology to Quantify Potential Cloudâ€“Forming Particles. <i>Geophysical Research Letters</i> , 2021, 48, .	4.0	7
30	Development of Heterogeneous Ice Nucleation Rate Coefficient Parameterizations From Ambient Measurements. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095359.	4.0	8
31	Observations and Modeling of Rime Splintering in Southern Ocean Cumuli. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035479.	3.3	9
32	Ice Nucleating Particle Connections to Regional Argentinian Land Surface Emissions and Weather During the Cloud, Aerosol, and Complex Terrain Interactions Experiment. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035186.	3.3	13
33	Bioaerosol field measurements: Challenges and perspectives in outdoor studies. <i>Aerosol Science and Technology</i> , 2020, 54, 520-546.	3.1	81
34	High ice concentration observed in tropical maritime stratiform mixed-phase clouds with top temperatures warmer than $\sim 8^{\circ}\text{C}$ . <i>Atmospheric Research</i> , 2020, 233, 104719.	4.1	17
35	The Labile Nature of Ice Nucleation by Arizona Test Dust. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 133-141.	2.7	30
36	Structure of an Atmospheric River Over Australia and the Southern Ocean: II. Microphysical Evolution. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032514.	3.3	14

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37	Ejection of Dust From the Ocean as a Potential Source of Marine Ice Nucleating Particles. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033073.	3.3	17
38	A biogenic secondary organic aerosol source of cirrus ice nucleating particles. <i>Nature Communications</i> , 2020, 11, 4834.	12.8	45
39	Relating Structure and Ice Nucleation of Mixed Surfactant Systems Relevant to Sea Spray Aerosol. <i>Journal of Physical Chemistry A</i> , 2020, 124, 8806-8821.	2.5	15
40	The contribution of black carbon to global ice nucleating particle concentrations relevant to mixed-phase clouds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22705-22711.	7.1	43
41	Airborne bacteria confirm the pristine nature of the Southern Ocean boundary layer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 13275-13282.	7.1	48
42	Organic Enrichment, Physical Phase State, and Surface Tension Depression of Nascent Core-Shell Sea Spray Aerosols during Two Phytoplankton Blooms. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 650-660.	2.7	29
43	Thawing permafrost: an overlooked source of seeds for Arctic cloud formation. <i>Environmental Research Letters</i> , 2020, 15, 084022.	5.2	33
44	Ship-based measurements of ice nuclei concentrations over the Arctic, Atlantic, Pacific and Southern oceans. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 15191-15206.	4.9	40
45	Best practices for precipitation sample storage for offline studies of ice nucleation in marine and coastal environments. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 6473-6486.	3.1	16
46	A new method for operating a continuous-flow diffusion chamber to investigate immersion freezing: assessment and performance study. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 6631-6643.	3.1	5
47	Ice Nucleating Particles Carried From Below a Phytoplankton Bloom to the Arctic Atmosphere. <i>Geophysical Research Letters</i> , 2019, 46, 8572-8581.	4.0	58
48	Seasonal Changes of Airborne Bacterial Communities Over Tokyo and Influence of Local Meteorology. <i>Frontiers in Microbiology</i> , 2019, 10, 1572.	3.5	67
49	Measurements of Ice Nucleating Particles in Beijing, China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 8065-8075.	3.3	31
50	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
51	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
52	Progress and Challenges in Quantifying Wildfire Smoke Emissions, Their Properties, Transport, and Atmospheric Impacts. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 13005-13025.	3.3	37
53	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
54	A comprehensive characterization of ice nucleation by three different types of cellulose particles immersed in water. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 4823-4849.	4.9	48

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55	Heterogeneous ice nucleation properties of natural desert dust particles coated with a surrogate of secondary organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 5091-5110.	4.9	40
56	Classification of aerosol population type and cloud condensation nuclei properties in a coastal California littoral environment using an unsupervised cluster model. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 6931-6947.	4.9	4
57	Glacially sourced dust as a potentially significant source of ice nucleating particles. <i>Nature Geoscience</i> , 2019, 12, 253-258.	12.9	101
58	Ice nucleation by particles containing long-chain fatty acids of relevance to freezing by sea spray aerosols. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 1559-1569.	3.5	37
59	The Fifth International Workshop on Ice Nucleation phase 2 (FIN-02): laboratory intercomparison of ice nucleation measurements. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 6231-6257.	3.1	82
60	Agricultural harvesting emissions of ice-nucleating particles. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 13755-13771.	4.9	53
61	Use of the Single Particle Soot Photometer (SP2) as a pre-filter for ice nucleation measurements: effect of particle mixing state and determination of SP2 conditions to fully vaporize refractory black carbon. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 3007-3020.	3.1	5
62	Abundance of Biological Ice Nucleating Particles in the Mississippi and Its Major Tributaries. <i>Atmosphere</i> , 2018, 9, 307.	2.3	17
63	Observations of Ice Nucleating Particles Over Southern Ocean Waters. <i>Geophysical Research Letters</i> , 2018, 45, 11,989.	4.0	110
64	A Mesocosm Double Feature: Insights into the Chemical Makeup of Marine Ice Nucleating Particles. <i>Journals of the Atmospheric Sciences</i> , 2018, 75, 2405-2423.	1.7	67
65	Background Free-Tropospheric Ice Nucleating Particle Concentrations at Mixed-Phase Cloud Conditions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 10,506.	3.3	24
66	Marine and Terrestrial Organic Ice-Nucleating Particles in Pristine Marine to Continentally Influenced Northeast Atlantic Air Masses. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 6196-6212.	3.3	98
67	Ice Nucleation Efficiency of Hydroxylated Organic Surfaces Is Controlled by Their Structural Fluctuations and Mismatch to Ice. <i>Journal of the American Chemical Society</i> , 2017, 139, 3052-3064.	13.7	132
68	The Microphysical Roles of Lower-Tropospheric versus Midtropospheric Aerosol Particles in Mature-Stage MCS Precipitation. <i>Journals of the Atmospheric Sciences</i> , 2017, 74, 3657-3678.	1.7	34
69	A Dynamic Link between Ice Nucleating Particles Released in Nascent Sea Spray Aerosol and Oceanic Biological Activity during Two Mesocosm Experiments. <i>Journals of the Atmospheric Sciences</i> , 2017, 74, 151-166.	1.7	93
70	Comparative measurements of ambient atmospheric concentrations of ice nucleating particles using multiple immersion freezing methods and a continuous flow diffusion chamber. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 11227-11245.	4.9	73
71	Contribution of feldspar and marine organic aerosols to global ice nucleating particle concentrations. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 3637-3658.	4.9	144
72	Effects of cloud condensation nuclei and ice nucleating particles on precipitation processes and supercooled liquid in mixed-phase orographic clouds. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 1017-1035.	4.9	71

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73	Transport of pollution to a remote coastal site during gap flow from California's interior: impacts on aerosol composition, clouds, and radiative balance. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 1491-1509.	4.9	20
74	Using depolarization to quantify ice nucleating particle concentrations: a new method. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 4639-4657.	3.1	7
75	Automation and heat transfer characterization of immersion mode spectroscopy for analysis of ice nucleating particles. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 2613-2626.	3.1	20
76	A Multisensor Investigation of Rime Splintering in Tropical Maritime Cumuli. <i>Journals of the Atmospheric Sciences</i> , 2016, 73, 2547-2564.	1.7	43
77	Improving our fundamental understanding of the role of aerosol-cloud interactions in the climate system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5781-5790.	7.1	479
78	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
79	Ice-nucleating particle emissions from biomass combustion and the potential importance of soot aerosol. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 5888-5903.	3.3	42
80	Aerosol effects on the anvil characteristics of mesoscale convective systems. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 10,880.	3.3	26
81	Abundance of fluorescent biological aerosol particles at temperatures conducive to the formation of mixed-phase and cirrus clouds. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 8205-8225.	4.9	50
82	Size-resolved measurements of ice-nucleating particles at six locations in North America and one in Europe. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1637-1651.	4.9	113
83	Sources of organic ice nucleating particles in soils. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 7195-7211.	4.9	137
84	Ice-nucleating particle emissions from photochemically aged diesel and biodiesel exhaust. <i>Geophysical Research Letters</i> , 2016, 43, 5524-5531.	4.0	45
85	Quantification of online removal of refractory black carbon using laser-induced incandescence in the single particle soot photometer. <i>Aerosol Science and Technology</i> , 2016, 50, 679-692.	3.1	6
86	Sea spray aerosol as a unique source of ice nucleating particles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5797-5803.	7.1	323
87	CalWater Field Studies Designed to Quantify the Roles of Atmospheric Rivers and Aerosols in Modulating U.S. West Coast Precipitation in a Changing Climate. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 1209-1228.	3.3	87
88	Technical Note: A proposal for ice nucleation terminology. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 10263-10270.	4.9	338
89	A comprehensive laboratory study on the immersion freezing behavior of illite NX particles: a comparison of 17 ice nucleation measurement techniques. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 2489-2518.	4.9	200
90	Integrating laboratory and field data to quantify the immersion freezing ice nucleation activity of mineral dust particles. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 393-409.	4.9	315

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91	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
92	Microbial Control of Sea Spray Aerosol Composition: A Tale of Two Blooms. ACS Central Science, 2015, 1, 124-131.	11.3	172
93	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
94	Measurement of Ice Nucleation-Active Bacteria on Plants and in Precipitation by Quantitative PCR. Applied and Environmental Microbiology, 2014, 80, 1256-1267.	3.1	126
95	Response of FSSP-100 and PVM-100A to Small Ice Crystals. Journal of Atmospheric and Oceanic Technology, 2014, 31, 2145-2155.	1.3	4
96	Chemical properties of insoluble precipitation residue particles. Journal of Aerosol Science, 2014, 76, 13-27.	3.8	31
97	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
98	Corrigendum to Aerosol impacts on California winter clouds and precipitation during CalWater 2011: local pollution versus long-range transported dust published in Atmos. Chem. Phys., 14, 81â€”101, 2014. Atmospheric Chemistry and Physics, 2014, 14, 3063-3064.	4.9	4
99	Kaolinite particles as ice nuclei: learning from the use of different kaolinite samples and different coatings. Atmospheric Chemistry and Physics, 2014, 14, 5529-5546.	4.9	120
100	Size-resolved aerosol composition and its link to hygroscopicity at a forested site in Colorado. Atmospheric Chemistry and Physics, 2014, 14, 2657-2667.	4.9	62
101	Overview of the Manitou Experimental Forest Observatory: site description and selected science results from 2008 to 2013. Atmospheric Chemistry and Physics, 2014, 14, 6345-6367.	4.9	62
102	Aerosol impacts on California winter clouds and precipitation during CalWater 2011: local pollution versus long-range transported dust. Atmospheric Chemistry and Physics, 2014, 14, 81-101.	4.9	101
103	Organic matter matters for ice nuclei of agricultural soil origin. Atmospheric Chemistry and Physics, 2014, 14, 8521-8531.	4.9	117
104	Trace gas emissions from combustion of peat, crop residue, domestic biofuels, grasses, and other fuels: configuration and Fourier transform infrared (FTIR) component of the fourth Fire Lab at Missoula Experiment (FLAME-4). Atmospheric Chemistry and Physics, 2014, 14, 9727-9754.	4.9	188
105	Aerosol single scattering albedo dependence on biomass combustion efficiency: Laboratory and field studies. Geophysical Research Letters, 2014, 41, 742-748.	4.0	85
106	Dust and Biological Aerosols from the Sahara and Asia Influence Precipitation in the Western U.S.. Science, 2013, 339, 1572-1578.	12.6	482
107	Investigation of ice nucleation properties of mineral and soil particles. , 2013, , .		0
108	Biological ice nuclei and the impact of rain on ice nuclei populations. , 2013, , .		2

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109	Observations of ice nuclei associated with biomass burning. , 2013, , .		0
110	Evaluating the properties of sea spray aerosols produced in the laboratory: Comparisons with controlled breaking waves. , 2013, , .		0
111	The importance of organic aerosol to CCN concentrations and characteristics at a forested site in Colorado. , 2013, , .		0
112	Hunting the snark: Identifying the organic ice nuclei in soils. , 2013, , .		1
113	Laboratory measurements of ice nuclei concentrations from ocean water spray. , 2013, , .		2
114	Improvements to an Empirical Parameterization of Heterogeneous Ice Nucleation and Its Comparison with Observations. <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 378-409.	1.7	127
115	Biological aerosol particles as a key determinant of ice nuclei populations in a forest ecosystem. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 10,100.	3.3	144
116	Bringing the ocean into the laboratory to probe the chemical complexity of sea spray aerosol. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7550-7555.	7.1	439
117	The impact of rain on ice nuclei populations at a forested site in Colorado. <i>Geophysical Research Letters</i> , 2013, 40, 227-231.	4.0	110
118	High concentrations of biological aerosol particles and ice nuclei during and after rain. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 6151-6164.	4.9	355
119	The common occurrence of highly supercooled drizzle and rain near the coastal regions of the western United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 9819-9833.	3.3	30
120	A Particle-Surface-Area-Based Parameterization of Immersion Freezing on Desert Dust Particles. <i>Journals of the Atmospheric Sciences</i> , 2012, 69, 3077-3092.	1.7	338
121	Ice in Clouds Experimentâ€œLayer Clouds. Part II: Testing Characteristics of Heterogeneous Ice Formation in Lee Wave Clouds. <i>Journals of the Atmospheric Sciences</i> , 2012, 69, 1066-1079.	1.7	61
122	Biomass burning as a potential source for atmospheric ice nuclei: Western wildfires and prescribed burns. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	49
123	An annual cycle of sizeâ€œresolved aerosol hygroscopicity at a forested site in Colorado. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	65
124	Impacts of chemical reactivity on ice nucleation of kaolinite particles: A case study of levoglucosan and sulfuric acid. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	46
125	Biogenic ice nuclei in boundary layer air over two U.S. High Plains agricultural regions. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	79
126	Airborne instruments to measure atmospheric aerosol particles, clouds and radiation: A cook's tour of mature and emerging technology. <i>Atmospheric Research</i> , 2011, 102, 10-29.	4.1	139



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127	Experimental study of the role of physicochemical surface processing on the IN ability of mineral dust particles. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 11131-11144.	4.9	70
128	Corrigendum to "Experimental study of the role of physicochemical surface processing on the IN ability of mineral dust particles" published in <i>Atmos. Chem. Phys.</i> , 11, 11131-11144, 2011. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 11919-11919.	4.9	4
129	Observations of ice nuclei and heterogeneous freezing in a Western Pacific extratropical storm. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 6229-6243.	4.9	19
130	Results from the University of Toronto continuous flow diffusion chamber at ICIS 2007: instrument intercomparison and ice onsets for different aerosol types. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 31-41.	4.9	72
131	Corrigendum to "Laboratory investigations of the impact of mineral dust aerosol on cold cloud formation" published in <i>Atmos. Chem. Phys.</i> , 10, 11955-11968, 2010. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 4025-4025.	4.9	3
132	Manchester Ice Nucleus Counter (MINC) measurements from the 2007 International workshop on Comparing Ice nucleation Measuring Systems (ICIS-2007). <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 53-65.	4.9	21
133	Surface modification of mineral dust particles by sulphuric acid processing: implications for ice nucleation abilities. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 7839-7858.	4.9	60
134	Flight-based chemical characterization of biomass burning aerosols within two prescribed burn smoke plumes. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 12549-12565.	4.9	154
135	Resurgence in Ice Nuclei Measurement Research. <i>Bulletin of the American Meteorological Society</i> , 2011, 92, 1623-1635.	3.3	199
136	Contrail Microphysics. <i>Bulletin of the American Meteorological Society</i> , 2010, 91, 465-472.	3.3	62
137	Irreversible loss of ice nucleation active sites in mineral dust particles caused by sulphuric acid condensation. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 11471-11487.	4.9	175
138	Laboratory investigations of the impact of mineral dust aerosol on cold cloud formation. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 11955-11968.	4.9	98
139	New Directions: Need for defining the numbers and sources of biological aerosols acting as ice nuclei. <i>Atmospheric Environment</i> , 2010, 44, 1944-1945.	4.1	96
140	Predicting global atmospheric ice nuclei distributions and their impacts on climate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 11217-11222.	7.1	945
141	In Situ Chemical Characterization of Aged Biomass-Burning Aerosols Impacting Cold Wave Clouds. <i>Journals of the Atmospheric Sciences</i> , 2010, 67, 2451-2468.	1.7	48
142	Ice Initiation by Aerosol Particles: Measured and Predicted Ice Nuclei Concentrations versus Measured Ice Crystal Concentrations in an Orographic Wave Cloud. <i>Journals of the Atmospheric Sciences</i> , 2010, 67, 2417-2436.	1.7	96
143	Relationships of Biomass-Burning Aerosols to Ice in Orographic Wave Clouds. <i>Journals of the Atmospheric Sciences</i> , 2010, 67, 2437-2450.	1.7	54
144	Observations of ice nucleation by ambient aerosol in the homogeneous freezing regime. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	15

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145	Observation of playa salts as nuclei in orographic wave clouds. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	55
146	Chemical processing does not always impair heterogeneous ice nucleation of mineral dust particles. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	102
147	In situ detection of biological particles in cloud ice-crystals. <i>Nature Geoscience</i> , 2009, 2, 398-401.	12.9	406
148	Ice nuclei characteristics from M-PACE and their relation to ice formation in clouds. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2009, 61, 436-448.	1.6	114
149	Hygroscopicity and cloud droplet activation of mineral dust aerosol. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	159
150	Correction to "African dust aerosols as atmospheric ice nuclei" <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	19
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