Sonia Kreidenweis

List of Publications by Year
in descending order

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256 papers	24,672 citations	6254 80 h-index	10732 138 g-index
325 all docs	325 docs citations	325 times ranked	10322 citing authors

#	Article	IF	Citations
1	Long- and short-term temporal variability in cloud condensation nuclei spectra over a wide supersaturation range in the Southern Great Plains site. Atmospheric Chemistry and Physics, 2022, 22, 6197-6215.	4.9	1
2	Emissions of Reactive Nitrogen From Western U.S. Wildfires During Summer 2018. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD032657.	3.3	41
3	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
4	Dilution impacts on smoke aging: evidence in Biomass Burning Observation Project (BBOP) data. Atmospheric Chemistry and Physics, 2021, 21, 6839-6855.	4.9	23
5	Emissions of Trace Organic Gases From Western U.S. Wildfires Based on WEâ€CAN Aircraft Measurements. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033838.	3.3	54
6	Empirical Insights Into the Fate of Ammonia in Western U.S. Wildfire Smoke Plumes. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033730.	3.3	12
7	Is Ice Formation by Sea Spray Particles at Cirrus Temperatures Controlled by Crystalline Salts?. ACS Earth and Space Chemistry, 2021, 5, 2196-2211.	2.7	8
8	Utilizing a Storm-Generating Hotspot to Study Convective Cloud Transitions: The CACTI Experiment. Bulletin of the American Meteorological Society, 2021, 102, E1597-E1620.	3.3	30
9	Biomass Burning Smoke and Its Influence on Clouds Over the Western U. S.. Geophysical Research Letters, 2021, 48, e2021GL094224.	4.0	13
10	Visualization of the seasonal shift of a variety of airborne pollens in western Tokyo. Science of the Total Environment, 2021, 788, 147623.	8.0	13
11	Observations of Ice Nucleating Particles in the Free Troposphere From Western US Wildfires. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033752.	3.3	24
12	Constraining Aerosol Phase Function Using Dualâ€View Geostationary Satellites. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035209.	3.3	3
13	Ice Nucleating Particle Connections to Regional Argentinian Land Surface Emissions and Weather During the Cloud, Aerosol, and Complex Terrain Interactions Experiment. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035186.	3.3	13
14	A Decadal Climatology of Chemical, Physical, and Optical Properties of Ambient Smoke in the Western and Southeastern United States. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031372.	3.3	19
15	The contribution of black carbon to global ice nucleating particle concentrations relevant to mixed-phase clouds. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22705-22711.	7.1	43
16	Quantification of organic aerosol and brown carbon evolution in fresh wildfire plumes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29469-29477.	7.1	100
17	Airborne bacteria confirm the pristine nature of the Southern Ocean boundary layer. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13275-13282.	7.1	48
18	A fast visible-wavelength 3D radiative transfer model for numerical weather prediction visualization and forward modeling. Atmospheric Measurement Techniques, 2020, 13, 3235-3261.	3.1	3

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19	Thawing permafrost: an overlooked source of seeds for Arctic cloud formation. Environmental Research Letters, 2020, 15, 084022.	5.2	33
20	Cloudâ€“Aerosolâ€“Turbulence Interactions: Science Priorities and Concepts for a Large-Scale Laboratory Facility. Bulletin of the American Meteorological Society, 2020, 101, E1026-E1035.	3.3	16
21	Aging Effects on Biomass Burning Aerosol Mass and Composition: A Critical Review of Field and Laboratory Studies. Environmental Science & Technology, 2019, 53, 10007-10022.	10.0	116
22	Seasonal Changes of Airborne Bacterial Communities Over Tokyo and Influence of Local Meteorology. Frontiers in Microbiology, 2019, 10, 1572.	3.5	67
23	The influence of simulated surface dust lofting and atmospheric loading on radiative forcing. Atmospheric Chemistry and Physics, 2019, 19, 10279-10301.	4.9	9
24	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
25	Characteristics of Ice Nucleating Particles in and Around California Winter Storms. Journal of Geophysical Research D: Atmospheres, 2019, 124, 11530-11551.	3.3	17
26	<i>A Tale of Two Dust Storms</i>: analysis of a complex dust event in the Middle East. Atmospheric Measurement Techniques, 2019, 12, 5101-5118.	3.1	14
27	100 Years of Progress in Cloud Physics, Aerosols, and Aerosol Chemistry Research. Meteorological Monographs, 2019, 59, 11.1-11.72.	5.0	35
28	Emission and Evolution of Submicron Organic Aerosol in Smoke from Wildfires in the Western United States. ACS Earth and Space Chemistry, 2019, 3, 1237-1247.	2.7	99
29	Classification of aerosol population type and cloud condensation nuclei properties in a coastal California littoral environment using an unsupervised cluster model. Atmospheric Chemistry and Physics, 2019, 19, 6931-6947.	4.9	4
30	More Than Emissions and Chemistry: Fire Size, Dilution, and Background Aerosol Also Greatly Influence Nearâ€Field Biomass Burning Aerosol Aging. Journal of Geophysical Research D: Atmospheres, 2019, 124, 5589-5611.	3.3	45
31	Quantifying aerosol size distributions and their temporal variability in the Southern Great Plains, USA. Atmospheric Chemistry and Physics, 2019, 19, 11985-12006.	4.9	13
32	Temperatureâ€•and Humidityâ€Dependent Phase States of Secondary Organic Aerosols. Geophysical Research Letters, 2019, 46, 1005-1013.	4.0	53
33	Sources of PM_{2.5} carbonaceous aerosol in Riyadh, Saudi Arabia. Atmospheric Chemistry and Physics, 2018, 18, 3969-3985.	4.9	28
34	Agricultural harvesting emissions of ice-nucleating particles. Atmospheric Chemistry and Physics, 2018, 18, 13755-13771.	4.9	53
35	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. Atmospheric Measurement Techniques, 2018, 11, 3007-3020.	3.1	5
36	Observations of Ice Nucleating Particles Over Southern Ocean Waters. Geophysical Research Letters, 2018, 45, 11,989.	4.0	110

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37	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
38	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
39	Hygroscopicity of Organic Compounds as a Function of Carbon Chain Length and Carboxyl, Hydroperoxy, and Carbonyl Functional Groups. Journal of Physical Chemistry A, 2017, 121, 5164-5174.	2.5	21
40	The Microphysical Roles of Lower-Tropospheric versus Midtropospheric Aerosol Particles in Mature-Stage MCS Precipitation. Journals of the Atmospheric Sciences, 2017, 74, 3657-3678.	1.7	34
41	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
42	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
43	Size-resolved aerosol and cloud condensation nuclei (CCN) properties in the remote marine South China Sea â€“ Part 1: Observations and source classification. Atmospheric Chemistry and Physics, 2017, 17, 1105-1123.	4.9	28
44	Transport of pollution to a remote coastal site during gap flow from California's interior: impacts on aerosol composition, clouds, and radiative balance. Atmospheric Chemistry and Physics, 2017, 17, 1491-1509.	4.9	20
45	Secondary organic aerosol formation in biomass-burning plumes: theoretical analysis of lab studies and ambient plumes. Atmospheric Chemistry and Physics, 2017, 17, 5459-5475.	4.9	61
46	Prediction of cloud condensation nuclei activity for organic compounds using functional group contribution methods. Geoscientific Model Development, 2016, 9, 111-124.	3.6	40
47	The microphysical contributions to and evolution of latent heating profiles in two MC3E MCSs. Journal of Geophysical Research D: Atmospheres, 2016, 121, 7913-7935.	3.3	28
48	Improving our fundamental understanding of the role of aerosolâ^'cloud interactions in the climate system. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5781-5790.	7.1	479
49	Measurements and source apportionment of particle-associated polycyclic aromatic hydrocarbons in ambient air in Riyadh, Saudi Arabia. Atmospheric Environment, 2016, 137, 186-198.	4.1	33
50	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
51	Hygroscopic growth and cloud droplet activation of xanthan gum as a proxy for marine hydrogels. Journal of Geophysical Research D: Atmospheres, 2016, 121, 11,803.	3.3	18
52	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
53	Aerosol effects on the anvil characteristics of mesoscale convective systems. Journal of Geophysical Research D: Atmospheres, 2016, 121, 10,880.	3.3	26
54	Aerosol meteorology of Maritime Continent for the 2012 7SEAS southwest monsoon intensive study â€“ Part 2: Philippine receptor observations of fine-scale aerosol behavior. Atmospheric Chemistry and Physics, 2016, 16, 14057-14078.	4.9	38

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55	Sources of organic ice nucleating particles in soils. Atmospheric Chemistry and Physics, 2016, 16, 7195-7211.	4.9	137
56	Iceâ€nucleating particle emissions from photochemically aged diesel and biodiesel exhaust. Geophysical Research Letters, 2016, 43, 5524-5531.	4.0	45
57	Quantification of online removal of refractory black carbon using laser-induced incandescence in the single particle soot photometer. Aerosol Science and Technology, 2016, 50, 679-692.	3.1	6
58	Contribution of Biomass Burning to Carbonaceous Aerosols in Mexico City during May 2013. Aerosol and Air Quality Research, 2016, 16, 114-124.	2.1	11
59	Investigation of particle and vapor wall-loss effects on controlled wood-smoke smog-chamber experiments. Atmospheric Chemistry and Physics, 2015, 15, 11027-11045.	4.9	39
60	Observations and analysis of organic aerosol evolution in some prescribed fire smoke plumes. Atmospheric Chemistry and Physics, 2015, 15, 6323-6335.	4.9	78
61	Investigating types and sources of organic aerosol in Rocky Mountain National Park using aerosol mass spectrometry. Atmospheric Chemistry and Physics, 2015, 15, 737-752.	4.9	19
62	Integrating laboratory and field data to quantify the immersion freezing ice nucleation activity of mineral dust particles. Atmospheric Chemistry and Physics, 2015, 15, 393-409.	4.9	315
63	Atmospheric Processes and Their Controlling Influence on Cloud Condensation Nuclei Activity. Chemical Reviews, 2015, 115, 4199-4217.	47.7	185
64	Corrigendum to "Size-resolved observations of refractory black carbon particles in cloud droplets at a marine boundary layer site" published in Atmos. Chem. Phys., 15, 1367â€“1383, 2015. Atmospheric Chemistry and Physics, 2015, 15, 1487-1487.	4.9	0
65	Mesoscale Vortex Development during Extreme Precipitation: Colorado, September 2013. Monthly Weather Review, 2015, 143, 4943-4962.	1.4	12
66	Droplet activation of wet particles: development of the Wet CCN approach. Atmospheric Measurement Techniques, 2014, 7, 2227-2241.	3.1	5
67	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
68	Impacts of nonrefractory material on light absorption by aerosols emitted from biomass burning. Journal of Geophysical Research D: Atmospheres, 2014, 119, 12,272.	3.3	69
69	Gas-phase reactive nitrogen near Grand Teton National Park: Impacts of transport, anthropogenic emissions, and biomass burning. Atmospheric Environment, 2014, 89, 749-756.	4.1	31
70	Influence of Functional Groups on Organic Aerosol Cloud Condensation Nucleus Activity. Environmental Science & Technology, 2014, 48, 10182-10190.	10.0	99
71	Organic aerosol emission ratios from the laboratory combustion of biomass fuels. Journal of Geophysical Research D: Atmospheres, 2014, 119, 12,850.	3.3	31
72	Aerosol emissions from prescribed fires in the United States: A synthesis of laboratory and aircraft measurements. Journal of Geophysical Research D: Atmospheres, 2014, 119, 11,826-11,849.	3.3	116

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73	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
74	Airborne characterization of smoke marker ratios from prescribed burning. Atmospheric Chemistry and Physics, 2014, 14, 10535-10545.	4.9	47
75	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
76	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
77	Organic matter matters for ice nuclei of agricultural soil origin. Atmospheric Chemistry and Physics, 2014, 14, 8521-8531.	4.9	117
78	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
79	Aerosol single scattering albedo dependence on biomass combustion efficiency: Laboratory and field studies. Geophysical Research Letters, 2014, 41, 742-748.	4.0	85
80	Observations of atmospheric reactive nitrogen species in Rocky Mountain National Park and across northern Colorado. Atmospheric Environment, 2013, 64, 66-76.	4.1	71
81	Size resolved measurements of springtime aerosol particles over the northern South China Sea. Atmospheric Environment, 2013, 78, 134-143.	4.1	33
82	Analysis of source regions for smoke events in Singapore for the 2009 El Nino burning season. Atmospheric Environment, 2013, 78, 219-230.	4.1	45
83	Cloud nucleating activities of water-soluble semi-volatile organic compounds. , 2013, , .		0
84	Investigation of ice nucleation properties of mineral and soil particles. , 2013, , .		0
85	Observations of ice nuclei associated with biomass burning. , 2013, , .		0
86	Aerosol species concentrations and source apportionment of ammonia at Rocky Mountain National Park. Journal of the Air and Waste Management Association, 2013, 63, 1245-1263.	1.9	19
87	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
88	A seasonal nitrogen deposition budget for Rocky Mountain National Park. Ecological Applications, 2013, 23, 1156-1169.	3.8	58
89	The impact of rain on ice nuclei populations at a forested site in Colorado. Geophysical Research Letters, 2013, 40, 227-231.	4.0	110
90	A single parameter representation of hygroscopic growth and cloud condensation nucleus activity â€“ Part 3: Including surfactant partitioning. Atmospheric Chemistry and Physics, 2013, 13, 1081-1091.	4.9	110

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91	Measurements of reactive trace gases and variable O₃ formation rates in some South Carolina biomass burning plumes. Atmospheric Chemistry and Physics, 2013, 13, 1141-1165.	4.9	170
92	High concentrations of biological aerosol particles and ice nuclei during and after rain. Atmospheric Chemistry and Physics, 2013, 13, 6151-6164.	4.9	355
93	Vertical structure of aerosols, temperature, and moisture associated with an intense African dust event observed over the eastern Caribbean. Journal of Geophysical Research D: Atmospheres, 2013, 118, 4623-4643.	3.3	28
94	Gasâ€particle partitioning of primary organic aerosol emissions: 3. Biomass burning. Journal of Geophysical Research D: Atmospheres, 2013, 118, 11,327.	3.3	178
95	Atmospheric concentrations and deposition of reactive nitrogen in Grand Teton National Park. Journal of Geophysical Research D: Atmospheres, 2013, 118, 11,875.	3.3	19
96	Biomass burning as a potential source for atmospheric ice nuclei: Western wildfires and prescribed burns. Geophysical Research Letters, 2012, 39, .	4.0	49
97	Hygroscopicity frequency distributions of secondary organic aerosols. Journal of Geophysical Research, 2012, 117, .	3.3	44
98	An annual cycle of sizeâ€resolved aerosol hygroscopicity at a forested site in Colorado. Journal of Geophysical Research, 2012, 117, .	3.3	65
99	Critical reflectance derived from MODIS: Application for the retrieval of aerosol absorption over desert regions. Journal of Geophysical Research, 2012, 117, .	3.3	15
100	Impacts of chemical reactivity on ice nucleation of kaolinite particles: A case study of levoglucosan and sulfuric acid. Geophysical Research Letters, 2012, 39, .	4.0	46
101	Biogenic ice nuclei in boundary layer air over two U.S. High Plains agricultural regions. Journal of Geophysical Research, 2012, 117, .	3.3	79
102	Corrigendum to "Laboratory investigations of the impact of mineral dust aerosol on cold cloud formation" published in Atmos. Chem. Phys., 10, 11955â€“11968, 2010. Atmospheric Chemistry and Physics, 2011, 11, 4025-4025.	4.9	3
103	Chemical and physical transformations of organic aerosol from the photo-oxidation of open biomass burning emissions in an environmental chamber. Atmospheric Chemistry and Physics, 2011, 11, 7669-7686.	4.9	329
104	Development of wildland fire particulate smoke marker to organic carbon emission ratios for the conterminous United States. Atmospheric Environment, 2011, 45, 395-403.	4.1	22
105	Determining contributions of biomass burning and other sources to fine particle contemporary carbon in the western United States. Atmospheric Environment, 2011, 45, 1986-1993.	4.1	45
106	Chemical Smoke Marker Emissions During Flaming and Smoldering Phases of Laboratory Open Burning of Wildland Fuels. Aerosol Science and Technology, 2010, 44, i-v.	3.1	156
107	The role of the particle size distribution in assessing aerosol composition effects on simulated droplet activation. Atmospheric Chemistry and Physics, 2010, 10, 5435-5447.	4.9	36
108	Optical closure experiments for biomass smoke aerosols. Atmospheric Chemistry and Physics, 2010, 10, 9017-9026.	4.9	45

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109	Irreversible loss of ice nucleation active sites in mineral dust particles caused by sulphuric acid condensation. Atmospheric Chemistry and Physics, 2010, 10, 11471-11487.	4.9	175
110	Laboratory investigations of the impact of mineral dust aerosol on cold cloud formation. Atmospheric Chemistry and Physics, 2010, 10, 11955-11968.	4.9	98
111	Towards closing the gap between hygroscopic growth and CCN activation for secondary organic aerosols â€“ Part 3: Influence of the chemical composition on the hygroscopic properties and volatile fractions of aerosols. Atmospheric Chemistry and Physics, 2010, 10, 3775-3785.	4.9	58
112	Water uptake and chemical composition of fresh aerosols generated in open burning of biomass. Atmospheric Chemistry and Physics, 2010, 10, 5165-5178.	4.9	104
113	Deposition of reactive nitrogen during the Rocky Mountain Airborne Nitrogen and Sulfur (RoMANS) study. Environmental Pollution, 2010, 158, 862-872.	7.5	71
114	Brown carbon in tar balls from smoldering biomass combustion. Atmospheric Chemistry and Physics, 2010, 10, 6363-6370.	4.9	427
115	Predicting global atmospheric ice nuclei distributions and their impacts on climate. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11217-11222.	7.1	945
116	Measured and modeled humidification factors of fresh smoke particles from biomass burning: role of inorganic constituents. Atmospheric Chemistry and Physics, 2010, 10, 6179-6194.	4.9	33
117	Impact of Particle Generation Method on the Apparent Hygroscopicity of Insoluble Mineral Particles. Aerosol Science and Technology, 2010, 44, 830-846.	3.1	44
118	Ice Initiation by Aerosol Particles: Measured and Predicted Ice Nuclei Concentrations versus Measured Ice Crystal Concentrations in an Orographic Wave Cloud. Journals of the Atmospheric Sciences, 2010, 67, 2417-2436.	1.7	96
119	Observations of ice nucleation by ambient aerosol in the homogeneous freezing regime. Geophysical Research Letters, 2010, 37, .	4.0	15
120	Biomass burning smoke aerosol properties measured during Fire Laboratory at Missoula Experiments (FLAME). Journal of Geophysical Research, 2010, 115, .	3.3	150
121	Satellite observations cap the atmospheric organic aerosol budget. Geophysical Research Letters, 2010, 37, .	4.0	82
122	Chemical processing does not always impair heterogeneous ice nucleation of mineral dust particles. Geophysical Research Letters, 2010, 37, .	4.0	102
123	Using High Time Resolution Aerosol and Number Size Distribution Measurements to Estimate Atmospheric Extinction. Journal of the Air and Waste Management Association, 2009, 59, 1049-1060.	1.9	11
124	Relative roles of biogenic emissions and Saharan dust as ice nuclei in the Amazon basin. Nature Geoscience, 2009, 2, 402-405.	12.9	282
125	Ice nuclei characteristics from M-PACE and their relation to ice formation in clouds. Tellus, Series B: Chemical and Physical Meteorology, 2009, 61, 436-448.	1.6	114
126	Hygroscopicity and cloud droplet activation of mineral dust aerosol. Geophysical Research Letters, 2009, 36, .	4.0	159

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127	Correction to â€œAfrican dust aerosols as atmospheric ice nucleiâ€• Geophysical Research Letters, 2009, 36, .	4.0	19
128	Role of molecular size in cloud droplet activation. Geophysical Research Letters, 2009, 36, .	4.0	69
129	Emissions of trace gases and aerosols during the open combustion of biomass in the laboratory. Journal of Geophysical Research, 2009, 114, .	3.3	336
130	Ice nucleation behavior of biomass combustion particles at cirrus temperatures. Journal of Geophysical Research, 2009, 114, .	3.3	68
131	Cloud condensation nucleation activity of biomass burning aerosol. Journal of Geophysical Research, 2009, 114, .	3.3	213
132	Cloud condensation nuclei and ice nucleation activity of hydrophobic and hydrophilic soot particles. Physical Chemistry Chemical Physics, 2009, 11, 7906.	2.8	165
133	Timescale for hygroscopic conversion of calcite mineral particles through heterogeneous reaction with nitric acid. Physical Chemistry Chemical Physics, 2009, 11, 7826.	2.8	82
134	A comparison of heterogeneous ice nucleation parameterizations using a parcel model framework. Journal of Geophysical Research, 2009, 114, .	3.3	83
135	Ice nuclei emissions from biomass burning. Journal of Geophysical Research, 2009, 114, .	3.3	125
136	Heterogeneous ice nucleation measurements of secondary organic aerosol generated from ozonolysis of alkenes. Geophysical Research Letters, 2009, 36, .	4.0	43
137	Saharan dust particles nucleate droplets in eastern Atlantic clouds. Geophysical Research Letters, 2009, 36, .	4.0	174
138	Effect of chemical mixing state on the hygroscopicity and cloud nucleation properties of calcium mineral dust particles. Atmospheric Chemistry and Physics, 2009, 9, 3303-3316.	4.9	268
139	Towards closing the gap between hygroscopic growth and activation for secondary organic aerosol â€“ Part 2: Theoretical approaches. Atmospheric Chemistry and Physics, 2009, 9, 3999-4009.	4.9	130
140	Towards closing the gap between hygroscopic growth and activation for secondary organic aerosol: Part 1 â€“ Evidence from measurements. Atmospheric Chemistry and Physics, 2009, 9, 3987-3997.	4.9	191
141	Retrieval of aerosol single scattering albedo at ultraviolet wavelengths at the T1 site during MILAGRO. Atmospheric Chemistry and Physics, 2009, 9, 5813-5827.	4.9	68
142	Reduction in biomass burning aerosol light absorption upon humidification: roles of inorganically-induced hygroscopicity, particle collapse, and photoacoustic heat and mass transfer. Atmospheric Chemistry and Physics, 2009, 9, 8949-8966.	4.9	119
143	Cloud Particle Precursors. , 2009, , 291-318.		24
144	Observations of fine and coarse particle nitrate at several rural locations in the United States. Atmospheric Environment, 2008, 42, 2720-2732.	4.1	88

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145	Semi-continuous measurement of PM2.5 ionic composition at several rural locations in the United States. Atmospheric Environment, 2008, 42, 6655-6669.	4.1	39
146	Particulate-Phase and Gaseous Elemental Mercury Emissions During Biomass Combustion: Controlling Factors and Correlation with Particulate Matter Emissions. Environmental Science & Technology, 2008, 42, 721-727.	10.0	78
147	Secondary organic aerosol yields from cloudâ€processing of isoprene oxidation products. Geophysical Research Letters, 2008, 35, .	4.0	238
148	Aerosol hygroscopicity and cloud droplet activation of extracts of filters from biomass burning experiments. Journal of Geophysical Research, 2008, 113, .	3.3	69
149	A method for smoke marker measurements and its potential application for determining the contribution of biomass burning from wildfires and prescribed fires to ambient PM_{2.5} organic carbon. Journal of Geophysical Research, 2008, 113, .	3.3	186
150	Water interaction with hydrophobic and hydrophilic soot particles. Physical Chemistry Chemical Physics, 2008, 10, 2332.	2.8	83
151	Measurements of the Hygroscopic and Deliquescence Properties of Organic Compounds of Different Solubilities in Water and Their Relationship with Cloud Condensation Nuclei Activities. Environmental Science & Technology, 2008, 42, 3602-3608.	10.0	83
152	Single-parameter estimates of aerosol water content. Environmental Research Letters, 2008, 3, 035002.	5.2	97
153	A single parameter representation of hygroscopic growth and cloud condensation nucleus activity â€“ Part 2: Including solubility. Atmospheric Chemistry and Physics, 2008, 8, 6273-6279.	4.9	194
154	A single parameter representation of hygroscopic growth and cloud condensation nucleus activity. Atmospheric Chemistry and Physics, 2007, 7, 1961-1971.	4.9	2,020
155	Can Ice-Nucleating Aerosols Affect Arctic Seasonal Climate?. Bulletin of the American Meteorological Society, 2007, 88, 541-550.	3.3	202
156	On Measuring the Critical Diameter of Cloud Condensation Nuclei Using Mobility Selected Aerosol. Aerosol Science and Technology, 2007, 41, 907-913.	3.1	74
157	SOA Formation by Biogenic and Carbonyl Compounds:Â Data Evaluation and Application. Environmental Science & Technology, 2007, 41, 3904-3910.	10.0	35
158	Measurements of heterogeneous ice nuclei in the western United States in springtime and their relation to aerosol characteristics. Journal of Geophysical Research, 2007, 112, .	3.3	159
159	Examinations of ice formation processes in Florida cumuli using ice nuclei measurements of anvil ice crystal particle residues. Journal of Geophysical Research, 2007, 112, .	3.3	34
160	Cloud droplet activation of secondary organic aerosol. Journal of Geophysical Research, 2007, 112, .	3.3	196
161	Potential impact of Owens (dry) Lake dust on warm and cold cloud formation. Journal of Geophysical Research, 2007, 112, .	3.3	68
162	An Examination of a Continuous Flow Diffusion Chamber's Performance: Implications for Field Measurements of Ice Nuclei. , 2007, , 450-454.		0

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163	Deliquescence-controlled activation of organic aerosols. Geophysical Research Letters, 2006, 33, .	4.0	29
164	Satellite-based assessment of marine low cloud variability associated with aerosol, atmospheric stability, and the diurnal cycle. Journal of Geophysical Research, 2006, 111, .	3.3	78
165	Chemical aging and the hydrophobic-to-hydrophilic conversion of carbonaceous aerosol. Geophysical Research Letters, 2006, 33, .	4.0	137
166	Correction to â€œSatellite-based assessment of marine low cloud variability associated with aerosol, atmospheric stability, and the diurnal cycleâ€• Journal of Geophysical Research, 2006, 111, .	3.3	4
167	Particle Size Distributions of Organic Aerosol Constituents during the 2002 Yosemite Aerosol Characterization Study. Environmental Science & Technology, 2006, 40, 4554-4562.	10.0	48
168	Measurement and interpretation of cloud effects on the concentrations of hydrogen peroxide and organoperoxides over Ontario, Canada. Atmospheric Research, 2006, 81, 140-149.	4.1	5
169	Smoke-impacted regional haze in California during the summer of 2002. Agricultural and Forest Meteorology, 2006, 137, 25-42.	4.8	55
170	Water activity and activation diameters from hygroscopicity data - Part II: Application to organic species. Atmospheric Chemistry and Physics, 2006, 6, 795-809.	4.9	111
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