Richard C Flagan

List of Publications by Year
in descending order

243 papers	30,213 citations	5248 83 h-index	6113 159 g-index
276 all docs	276 docs citations	276 times ranked	12520 citing authors

#	Article	IF	Citations
1	Variability of the penetration of particles through facemasks. Aerosol Science and Technology, 2022, 56, 186-203.	1.5	6
2	Survival of newly formed particles in haze conditions. Environmental Science Atmospheres, 2022, 2, 491-499.	0.9	8
3	Synergistic HNO3â€“H2SO4â€“NH3 upper tropospheric particle formation. Nature, 2022, 605, 483-489.	13.7	26
4	Breath-, air- and surface-borne SARS-CoV-2 in hospitals. Journal of Aerosol Science, 2021, 152, 105693.	1.8	89
5	Determination of the collision rate coefficient between charged iodic acid clusters and iodic acid using the appearance time method. Aerosol Science and Technology, 2021, 55, 231-242.	1.5	18
6	Coronavirus Disease 2019 Patients in Earlier Stages Exhaled Millions of Severe Acute Respiratory Syndrome Coronavirus 2 Per Hour. Clinical Infectious Diseases, 2021, 72, e652-e654.	2.9	211
7	Molecular characterization of ultrafine particles using extractive electrospray time-of-flight mass spectrometry. Environmental Science Atmospheres, 2021, 1, 434-448.	0.9	10
8	Role of iodine oxoacids in atmospheric aerosol nucleation. Science, 2021, 371, 589-595.	6.0	94
9	Novel estimation of aerosol processes with particle size distribution measurements: a case study with the TOMAS algorithm v1.0.0. Geoscientific Model Development, 2021, 14, 1821-1839.	1.3	1
10	Efficacy of a portable, moderate-resolution, fast-scanning differential mobility analyzer for ambient aerosol size distribution measurements. Atmospheric Measurement Techniques, 2021, 14, 4507-4516.	1.2	2
11	The nano-scanning electrical mobility spectrometer (nSEMS) and its application to size distribution measurements of 1.5â€“25â€‰nm particles. Atmospheric Measurement Techniques, 2021, 14, 5429-5445.	1.2	5
12	The driving factors of new particle formation and growth in the polluted boundary layer. Atmospheric Chemistry and Physics, 2021, 21, 14275-14291.	1.9	38
13	Chemical composition of nanoparticles from <i>Î±</i>-pinene nucleation and the influence of isoprene and relative humidity at low temperature. Atmospheric Chemistry and Physics, 2021, 21, 17099-17114.	1.9	12
14	The Spider DMA: A miniature radial differential mobility analyzer. Aerosol Science and Technology, 2020, 54, 175-189.	1.5	4
15	Characterization of Aerosol Hygroscopicity Over the Northeast Pacific Ocean: Impacts on Prediction of CCN and Stratocumulus Cloud Droplet Number Concentrations. Earth and Space Science, 2020, 7, e2020EA001098.	1.1	15
16	Rapid growth of new atmospheric particles by nitric acid and ammonia condensation. Nature, 2020, 581, 184-189.	13.7	169
17	Size-dependent influence of NO _x on the growth rates of organic aerosol particles. Science Advances, 2020, 6, eaay4945.	4.7	61
18	Overview of measurements and current instrumentation for 1â€“10Ânm aerosol particle number size distributions. Journal of Aerosol Science, 2020, 148, 105584.	1.8	58

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19	Diffusional transfer function for the scanning electrical mobility spectrometer (SEMS). Aerosol Science and Technology, 2020, 54, 1157-1168.	1.5	3
20	Enhanced growth rate of atmospheric particles from sulfuric acid. Atmospheric Chemistry and Physics, 2020, 20, 7359-7372.	1.9	58
21	On the relationship between cloud water composition and cloud droplet number concentration. Atmospheric Chemistry and Physics, 2020, 20, 7645-7665.	1.9	6
22	Molecular understanding of new-particle formation from <i>Î±</i>-pinene between â˜’50 and +25â€‰Â°C. Atmospheric Chemistry and Physics, 2020, 20, 9183-9207.	1.9	68
23	Low-volatility compounds contribute significantly to isoprene secondary organic aerosol (SOA) under high-NO_{<i>x</i>} conditions. Atmospheric Chemistry and Physics, 2019, 19, 7255-7278.	1.9	46
24	Molecular Composition and Volatility of Nucleated Particles from Î±-Pinene Oxidation between â˜’50 Â°C and +25 Â°C. Environmental Science & Technology, 2019, 53, 12357-12365.	4.6	32
25	Grand challenges for aerosol science and technology. Aerosol Science and Technology, 2019, 53, 731-734.	1.5	16
26	Aerosolâ€“Cloudâ€“Meteorology Interaction Airborne Field Investigations: Using Lessons Learned from the U.S. West Coast in the Design of ACTIVATE off the U.S. East Coast. Bulletin of the American Meteorological Society, 2019, 100, 1511-1528.	1.7	51
27	Effects of Biomass Burning on Stratocumulus Droplet Characteristics, Drizzle Rate, and Composition. Journal of Geophysical Research D: Atmospheres, 2019, 124, 12301-12318.	1.2	18
28	Characteristic Vertical Profiles of Cloud Water Composition in Marine Stratocumulus Clouds and Relationships With Precipitation. Journal of Geophysical Research D: Atmospheres, 2018, 123, 3704-3723.	1.2	27
29	Predicted impact of thermal power generation emission control measures in the Beijing-Tianjin-Hebei region on air pollution over Beijing, China. Scientific Reports, 2018, 8, 934.	1.6	35
30	New particle formation in the sulfuric acidâ€“dimethylamineâ€“water system: reevaluation of CLOUD chamber measurements and comparison to an aerosol nucleation and growth model. Atmospheric Chemistry and Physics, 2018, 18, 845-863.	1.9	92
31	A multi-year data set on aerosol-cloud-precipitation-meteorology interactions for marine stratocumulus clouds. Scientific Data, 2018, 5, 180026.	2.4	29
32	Biomass Burning Plumes in the Vicinity of the California Coast: Airborne Characterization of Physicochemical Properties, Heating Rates, and Spatiotemporal Features. Journal of Geophysical Research D: Atmospheres, 2018, 123, 13,560.	1.2	25
33	Cloud Adiabaticity and Its Relationship to Marine Stratocumulus Characteristics Over the Northeast Pacific Ocean. Journal of Geophysical Research D: Atmospheres, 2018, 123, 13,790.	1.2	16
34	Multicomponent new particle formation from sulfuric acid, ammonia, and biogenic vapors. Science Advances, 2018, 4, eaau5363.	4.7	164
35	Scanning DMA Data Analysis I. Classification Transfer Function. Aerosol Science and Technology, 2018, 52, 1382-1399.	1.5	21
36	Scanning DMA data analysis II. Integrated DMA-CPC instrument response and data inversion. Aerosol Science and Technology, 2018, 52, 1400-1414.	1.5	16

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37	Rapid growth of organic aerosol nanoparticles over a wide tropospheric temperature range. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9122-9127.	3.3	118
38	Effect of particle charge on aerosol dynamics in Teflon environmental chambers. Aerosol Science and Technology, 2018, 52, 854-871.	1.5	22
39	Design, simulation, and characterization of a radial opposed migration ion and aerosol classifier (ROMIAC). Aerosol Science and Technology, 2017, 51, 801-823.	1.5	11
40	Charge distribution uncertainty in differential mobility analysis of aerosols. Aerosol Science and Technology, 2017, 51, 1168-1189.	1.5	14
41	Science of the Environmental Chamber. , 2017, , 1-93.		12
42	Causes and importance of new particle formation in the presentâ€day and preindustrial atmospheres. Journal of Geophysical Research D: Atmospheres, 2017, 122, 8739-8760.	1.2	198
43	Relationships between giant sea salt particles and clouds inferred from aircraft physicochemical data. Journal of Geophysical Research D: Atmospheres, 2017, 122, 3421-3434.	1.2	30
44	The role of ions in new particle formation in the CLOUD chamber. Atmospheric Chemistry and Physics, 2017, 17, 15181-15197.	1.9	50
45	The Caltech Photooxidation Flow Tube reactor: design, fluid dynamics and characterization. Atmospheric Measurement Techniques, 2017, 10, 839-867.	1.2	39
46	A new high-transmission inlet for the Caltech nano-RDMA for size distribution measurements of sub-3â€ nm ions at ambient concentrations. Atmospheric Measurement Techniques, 2016, 9, 2709-2720.	1.2	14
47	Effect of ions on sulfuric acidâ€water binary particle formation: 2. Experimental data and comparison with QCâ€normalized classical nucleation theory. Journal of Geophysical Research D: Atmospheres, 2016, 121, 1752-1775.	1.2	99
48	Effect of dimethylamine on the gas phase sulfuric acid concentration measured by Chemical Ionization Mass Spectrometry. Journal of Geophysical Research D: Atmospheres, 2016, 121, 3036-3049.	1.2	17
49	Experimental particle formation rates spanning tropospheric sulfuric acid and ammonia abundances, ion production rates, and temperatures. Journal of Geophysical Research D: Atmospheres, 2016, 121, 12,377.	1.2	71
50	Contrasting cloud composition between coupled and decoupled marine boundary layer clouds. Journal of Geophysical Research D: Atmospheres, 2016, 121, 11,679.	1.2	21
51	The role of low-volatility organic compounds in initial particle growth in the atmosphere. Nature, 2016, 533, 527-531.	13.7	540
52	Ion-induced nucleation of pure biogenic particles. Nature, 2016, 533, 521-526.	13.7	528
53	Reduced anthropogenic aerosol radiative forcing caused by biogenic new particle formation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12053-12058.	3.3	107
54	A note on the effects of inorganic seed aerosol on the oxidation state of secondary organic aerosolâ€"Î±â€Pinene ozonolysis. Journal of Geophysical Research D: Atmospheres, 2016, 121, 12,476.	1.2	14

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55	Real-Time Studies of Iron Oxalate-Mediated Oxidation of Glycolaldehyde as a Model for Photochemical Aging of Aqueous Tropospheric Aerosols. Environmental Science & Technology, 2016, 50, 12241-12249.	4.6	42
56	Global atmospheric particle formation from CERN CLOUD measurements. Science, 2016, 354, 1119-1124.	6.0	289
57	The effect of acidâ€“base clustering and ions on the growth of atmospheric nano-particles. Nature Communications, 2016, 7, 11594.	5.8	116
58	Discontinuities in hygroscopic growth below and above water saturation for laboratory surrogates of oligomers in organic atmospheric aerosols. Atmospheric Chemistry and Physics, 2016, 16, 12767-12792.	1.9	34
59	Hygroscopicity of nanoparticles produced from homogeneous nucleation in the CLOUD experiments. Atmospheric Chemistry and Physics, 2016, 16, 293-304.	1.9	29
60	Phase transition observations and discrimination of small cloud particles by light polarization in expansion chamber experiments. Atmospheric Chemistry and Physics, 2016, 16, 3651-3664.	1.9	11
61	Stratocumulus Cloud Clearings and Notable Thermodynamic and Aerosol Contrasts across the Clearâ€“Cloudy Interface. Journals of the Atmospheric Sciences, 2016, 73, 1083-1099.	0.6	24
62	On the presence of giant particles downwind of ships in the marine boundary layer. Geophysical Research Letters, 2015, 42, 2024-2030.	1.5	10
63	Vapor wall deposition in Teflon chambers. Atmospheric Chemistry and Physics, 2015, 15, 4197-4214.	1.9	125
64	Influence of particle-phase state on the hygroscopic behavior of mixed organicâ€“inorganic aerosols. Atmospheric Chemistry and Physics, 2015, 15, 5027-5045.	1.9	86
65	Thermodynamics of the formation of sulfuric acid dimers in the binary (H₂SO₄â€“H<sub>2</sub and ternary (H₂SO₄â€“H<sub>2</sub system. Atmospheric Chemistry and Physics, 2015, 15, 10701-10721.	1.9	27
66	Formation and evolution of molecular products in Î±-pinene secondary organic aerosol. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14168-14173.	3.3	225
67	Development of a regional-scale pollen emission and transport modeling framework for investigating the impact of climate change on allergic airway disease. Biogeosciences, 2014, 11, 1461-1478.	1.3	59
68	Continuous-Flow Differential Mobility Analysis of Nanoparticles and Biomolecules. Annual Review of Chemical and Biomolecular Engineering, 2014, 5, 255-279.	3.3	14
69	Insight into Acidâ€“Base Nucleation Experiments by Comparison of the Chemical Composition of Positive, Negative, and Neutral Clusters. Environmental Science & Technology, 2014, 48, 13675-13684.	4.6	51
70	Oxidation Products of Biogenic Emissions Contribute to Nucleation of Atmospheric Particles. Science, 2014, 344, 717-721.	6.0	456
71	Neutral molecular cluster formation of sulfuric acidâ€“dimethylamine observed in real time under atmospheric conditions. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15019-15024.	3.3	208
72	Observations of continental biogenic impacts on marine aerosol and clouds off the coast of California. Journal of Geophysical Research D: Atmospheres, 2014, 119, 6724-6748.	1.2	33

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73	Secondary organic aerosol yields of 12-carbon alkanes. Atmospheric Chemistry and Physics, 2014, 14, 1423-1439.	1.9	100
74	Role of ozone in SOA formation from alkane photooxidation. Atmospheric Chemistry and Physics, 2014, 14, 1733-1753.	1.9	43
75	Organic aerosol formation from the reactive uptake of isoprene epoxydiols (IEPOX) onto non-acidified inorganic seeds. Atmospheric Chemistry and Physics, 2014, 14, 3497-3510.	1.9	201
76	Ionâ€“Aerosol Flux Coefficients and the Steady-State Charge Distribution of Aerosols in a Bipolar Ion Environment. Aerosol Science and Technology, 2013, 47, 688-704.	1.5	55
77	A tool for uniform coating of 300-mm wafers with nanoparticles. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	4
78	The 2010 California Research at the Nexus of Air Quality and Climate Change (CalNex) field study. Journal of Geophysical Research D: Atmospheres, 2013, 118, 5830-5866.	1.2	199
79	Molecular understanding of sulphuric acidâ€“amine particle nucleation in the atmosphere. Nature, 2013, 502, 359-363.	13.7	774
80	Ion Mobility-Mass Spectrometry with a Radial Opposed Migration Ion and Aerosol Classifier (ROMIAC). Analytical Chemistry, 2013, 85, 6319-6326.	3.2	15
81	Continuous Flow Ion Mobility Separation with Mass Spectrometric Detection Using a Nano-Radial Differential Mobility Analyzer at Low Flow Rates. Analytical Chemistry, 2013, 85, 4335-4341.	3.2	6
82	Measurements of cluster ions using a nano radial DMA and a particle size magnifier in CLOUD. , 2013, , .		0
83	Population Balances of Micron-Sized Aerosols in a Bipolar Ion Environment. Aerosol Science and Technology, 2013, 47, 681-687.	1.5	13
84	Los Angeles Basin airborne organic aerosol characterization during CalNex. Journal of Geophysical Research D: Atmospheres, 2013, 118, 11,453.	1.2	8
85	Secondary Organic Aerosol Coating Formation and Evaporation: Chamber Studies Using Black Carbon Seed Aerosol and the Single-Particle Soot Photometer. Aerosol Science and Technology, 2013, 47, 326-347.	1.5	42
86	Eastern Pacific Emitted Aerosol Cloud Experiment. Bulletin of the American Meteorological Society, 2013, 94, 709-729.	1.7	89
87	Molecular understanding of atmospheric particle formation from sulfuric acid and large oxidized organic molecules. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17223-17228.	3.3	300
88	Sizing Characterization of the Fast-Mobility Particle Sizer (FMPS) Against SMPS and HR-ToF-AMS. Aerosol Science and Technology, 2013, 47, 1030-1037.	1.5	37
89	Effect of chemical structure on secondary organic aerosol formation from C₁₂ alkanes. Atmospheric Chemistry and Physics, 2013, 13, 11121-11140.	1.9	48
90	Secondary organic aerosol formation from biomass burning intermediates: phenol and methoxyphenols. Atmospheric Chemistry and Physics, 2013, 13, 8019-8043.	1.9	181

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91	Composition and hygroscopicity of the Los Angeles Aerosol: CalNex. Journal of Geophysical Research D: Atmospheres, 2013, 118, 3016-3036.	1.2	79
92	Development of a regional-scale pollen emission and transport modeling framework for investigating the impact of climate change on allergic airway disease. , 2013, 10, 3977-4023.		17
93	The physics of extreme sensitivity in whispering gallery mode optical biosensors. Journal of Applied Physics, 2012, 111, 084701.	1.1	19
94	Analysis of secondary organic aerosol formation and aging using positive matrix factorization of high-resolution aerosol mass spectra: application to the dodecane low-NO_x system. Atmospheric Chemistry and Physics, 2012, 12, 11795-11817.	1.9	42
95	Ship impacts on the marine atmosphere: insights into the contribution of shipping emissions to the properties of marine aerosol and clouds. Atmospheric Chemistry and Physics, 2012, 12, 8439-8458.	1.9	75
96	Chemical aging of <i>m</i>-xylene secondary organic aerosol: laboratory chamber study. Atmospheric Chemistry and Physics, 2012, 12, 151-167.	1.9	83
97	Secondary Organic Aerosol Formation from Low-NO_x Photooxidation of Dodecane: Evolution of Multigeneration Gas-Phase Chemistry and Aerosol Composition. Journal of Physical Chemistry A, 2012, 116, 6211-6230.	1.1	79
98	Black carbon aerosol over the Los Angeles Basin during CalNex. Journal of Geophysical Research, 2012, 117, .	3.3	77
99	Evaluation of an entraining droplet activation parameterization using in situ cloud data. Journal of Geophysical Research, 2011, 116, .	3.3	20
100	Water-soluble organic aerosol in the Los Angeles Basin and outflow regions: Airborne and ground measurements during the 2010 CalNex field campaign. Journal of Geophysical Research, 2011, 116, .	3.3	49
101	Role of sulphuric acid, ammonia and galactic cosmic rays in atmospheric aerosol nucleation. Nature, 2011, 476, 429-433.	13.7	1,114
102	The Pasadena Aerosol Characterization Observatory (PACO): chemical and physical analysis of the Western Los Angeles basin aerosol. Atmospheric Chemistry and Physics, 2011, 11, 7417-7443.	1.9	98
103	Impact of a large wildfire on water-soluble organic aerosol in a major urban area: the 2009 Station Fire in Los Angeles County. Atmospheric Chemistry and Physics, 2011, 11, 8257-8270.	1.9	56
104	Elemental composition and oxidation of chamber organic aerosol. Atmospheric Chemistry and Physics, 2011, 11, 8827-8845.	1.9	190
105	An Asymptotic Analysis of Differential Electrical Mobility Classifiers. Aerosol Science and Technology, 2011, 45, 727-739.	1.5	9
106	Transfer Functions and Penetrations of Five Differential Mobility Analyzers for Sub-2 nm Particle Classification. Aerosol Science and Technology, 2011, 45, 480-492.	1.5	79
107	Water-soluble SOA from Alkene ozonolysis: composition and droplet activation kinetics inferences from analysis of CCN activity. Atmospheric Chemistry and Physics, 2010, 10, 1585-1597.	1.9	86
108	Role of aldehyde chemistry and NO_x concentrations in secondary organic aerosol formation. Atmospheric Chemistry and Physics, 2010, 10, 7169-7188.	1.9	190

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109	Elemental analysis of chamber organic aerosol using an aerodyne high-resolution aerosol mass spectrometer. Atmospheric Chemistry and Physics, 2010, 10, 4111-4131.	1.9	165
110	Reactive intermediates revealed in secondary organic aerosol formation from isoprene. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6640-6645.	3.3	854
111	Characterization of Vapor Wall Loss in Laboratory Chambers. Environmental Science & Technology, 2010, 44, 5074-5078.	4.6	98
112	Constraining the contribution of organic acids and AMS m/z 44 to the organic aerosol budget: On the importance of meteorology, aerosol hygroscopicity, and region. Geophysical Research Letters, 2010, 37, .	1.5	79
113	Radial Differential Mobility Analyzer for One Nanometer Particle Classification. Aerosol Science and Technology, 2009, 43, 53-59.	1.5	50
114	Marine stratocumulus aerosolâ€cloud relationships in the MASEâ€II experiment: Precipitation susceptibility in eastern Pacific marine stratocumulus. Journal of Geophysical Research, 2009, 114, .	3.3	65
115	Comprehensive Simultaneous Shipboard and Airborne Characterization of Exhaust from a Modern Container Ship at Sea. Environmental Science & Technology, 2009, 43, 4626-4640.	4.6	192
116	On the representation of droplet coalescence and autoconversion: Evaluation using ambient cloud droplet size distributions. Journal of Geophysical Research, 2009, 114, .	3.3	33
117	Parameterization of cloud droplet size distributions: Comparison with parcel models and observations. Journal of Geophysical Research, 2009, 114, .	3.3	28
118	Cloud condensation nuclei activity, closure, and droplet growth kinetics of Houston aerosol during the Gulf of Mexico Atmospheric Composition and Climate Study (GoMACCS). Journal of Geophysical Research, 2009, 114, .	3.3	85
119	On the link between ocean biota emissions, aerosol, and maritime clouds: Airborne, ground, and satellite measurements off the coast of California. Global Biogeochemical Cycles, 2009, 23, .	1.9	113
120	Aerosol hygroscopicity in the marine atmosphere: a closure study using high-time-resolution, multiple-RH DASH-SP and size-resolved C-ToF-AMS data. Atmospheric Chemistry and Physics, 2009, 9, 2543-2554.	1.9	64
121	Statistical comparison of properties of simulated and observed cumulus clouds in the vicinity of Houston during the Gulf of Mexico Atmospheric Composition and Climate Study (GoMACCS). Journal of Geophysical Research, 2008, 113, .	3.3	31
122	Aerosolâ€cloud relationships in continental shallow cumulus. Journal of Geophysical Research, 2008, 113, .	3.3	72
123	Rapid, Size-Resolved Aerosol Hygroscopic Growth Measurements: Differential Aerosol Sizing and Hygroscopicity Spectrometer Probe (DASH-SP). Aerosol Science and Technology, 2008, 42, 445-464.	1.5	65
124	Comprehensive airborne characterization of aerosol from a major bovine source. Atmospheric Chemistry and Physics, 2008, 8, 5489-5520.	1.9	143
125	Differential Mobility Analysis of Aerosols: A Tutorial. KONA Powder and Particle Journal, 2008, 26, 254-268.	0.9	36
126	A thermodynamically consistent kinetic framework for binary nucleation. Journal of Chemical Physics, 2007, 127, 214503.	1.2	5

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127	Effect of NO_x level on secondary organic aerosol (SOA) formation from the photooxidation of terpenes. Atmospheric Chemistry and Physics, 2007, 7, 5159-5174.	1.9	423
128	Secondary organic aerosol formation from <i>m</i>-xylene, toluene, and benzene. Atmospheric Chemistry and Physics, 2007, 7, 3909-3922.	1.9	720
129	On the Source of Organic Acid Aerosol Layers above Clouds. Environmental Science & Technology, 2007, 41, 4647-4654.	4.6	182
130	Aerosol-cloud drop concentration closure for clouds sampled during the International Consortium for Atmospheric Research on Transport and Transformation 2004 campaign. Journal of Geophysical Research, 2007, 112, .	3.3	97
131	Regional variation of organic functional groups in aerosol particles on four U.S. east coast platforms during the International Consortium for Atmospheric Research on Transport and Transformation 2004 campaign. Journal of Geophysical Research, 2007, 112, .	3.3	98
132	The Marine Stratus/Stratocumulus Experiment (MASE): Aerosol-cloud relationships in marine stratocumulus. Journal of Geophysical Research, 2007, 112, .	3.3	118
133	Particulate organic acids and overall waterâ€soluble aerosol composition measurements from the 2006 Gulf of Mexico Atmospheric Composition and Climate Study (GoMACCS). Journal of Geophysical Research, 2007, 112, .	3.3	121
134	A simple and versatile mini-arc plasma source for nanocrystal synthesis. Journal of Nanoparticle Research, 2007, 9, 203-213.	0.8	50
135	Characterization of ambient aerosol from measurements of cloud condensation nuclei during the 2003 Atmospheric Radiation Measurement Aerosol Intensive Observational Period at the Southern Great Plains site in Oklahoma. Journal of Geophysical Research, 2006, 111, .	3.3	35
136	Gas-phase products and secondary aerosol yields from the ozonolysis of ten different terpenes. Journal of Geophysical Research, 2006, 111, .	3.3	237
137	Oxalic acid in clear and cloudy atmospheres: Analysis of data from International Consortium for Atmospheric Research on Transport and Transformation 2004. Journal of Geophysical Research, 2006, 111, .	3.3	187
138	Gas-phase products and secondary aerosol yields from the photooxidation of 16 different terpenes. Journal of Geophysical Research, 2006, 111, .	3.3	332
139	Contribution of First- versus Second-Generation Products to Secondary Organic Aerosols Formed in the Oxidation of Biogenic Hydrocarbons. Environmental Science & Technology, 2006, 40, 2283-2297.	4.6	341
140	Modeling and Characterization of a Particle-into-Liquid Sampler (PILS). Aerosol Science and Technology, 2006, 40, 396-409.	1.5	117
141	Secondary Organic Aerosol Formation from Isoprene Photooxidation. Environmental Science & Technology, 2006, 40, 1869-1877.	4.6	734
142	Hygroscopicity of secondary organic aerosols formed by oxidation of cycloalkenes, monoterpenes, sesquiterpenes, and related compounds. Atmospheric Chemistry and Physics, 2006, 6, 2367-2388.	1.9	263
143	Meteorological Influences on Respirable Fragment Release from Chinese Elm Pollen. Aerosol Science and Technology, 2006, 40, 690-696.	1.5	77
144	High-speed pollen release in the white mulberry tree, Morus alba L. Sexual Plant Reproduction, 2006, 19, 19-24.	2.2	51

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145	Single-particle levitation system for automated study of homogeneous solute nucleation. Review of Scientific Instruments, 2006, 77, 073901.	0.6	16
146	Anvil glaciation in a deep cumulus updraught over Florida simulated with the Explicit Microphysics Model. I: Impact of various nucleation processes. Quarterly Journal of the Royal Meteorological Society, 2005, 131, 2019-2046.	1.0	51
147	Marine aerosols and iodine emissions (Reply). Nature, 2005, 433, E13-E14.	13.7	14
148	Effect of Angle of Attack on the Performance of an Airborne Counterflow Virtual Impactor. Aerosol Science and Technology, 2005, 39, 485-491.	1.5	4
149	A Scalable Turbulent Mixing Aerosol Reactor for Oxide-Coated Silicon Nanoparticles. Industrial & Engineering Chemistry Research, 2005, 44, 6332-6341.	1.8	27
150	Cloud condensation nucleus activation properties of biogenic secondary organic aerosol. Journal of Geophysical Research, 2005, 110, .	3.3	110
151	Secondary organic aerosol formation from isoprene photooxidation under high-NOxconditions. Geophysical Research Letters, 2005, 32, n/a-n/a.	1.5	297
152	Chamber studies of secondary organic aerosol growth by reactive uptake of simple carbonyl compounds. Journal of Geophysical Research, 2005, 110, .	3.3	316
153	Opposed Migration Aerosol Classifier (OMAC). Aerosol Science and Technology, 2004, 38, 890-899.	1.5	33
154	The Scanning DMA Transfer Function. Aerosol Science and Technology, 2004, 38, 833-850.	1.5	65
155	Stratospheric Aerosol Sampling: Effect of a Blunt-Body Housing on Inlet Sampling Characteristics. Aerosol Science and Technology, 2004, 38, 1080-1090.	1.5	7
156	Particle Phase Acidity and Oligomer Formation in Secondary Organic Aerosol. Environmental Science & Technology, 2004, 38, 6582-6589.	4.6	359
157	Secondary Organic Aerosol Formation from the Ozonolysis of Cycloalkenes and Related Compounds. Environmental Science & Technology, 2004, 38, 4157-4164.	4.6	116
158	Low-Molecular-Weight and Oligomeric Components in Secondary Organic Aerosol from the Ozonolysis of Cycloalkenes and Î±-Pinene. Journal of Physical Chemistry A, 2004, 108, 10147-10164.	1.1	308
159	Molecular composition of the water-soluble fraction of atmospheric carbonaceous aerosols collected during ACE-Asia. Journal of Geophysical Research, 2004, 109, n/a-n/a.	3.3	80
160	Aerosol-cloud drop concentration closure in warm cumulus. Journal of Geophysical Research, 2004, 109, n/a-n/a.	3.3	109
161	Environmental snapshots from ACE-Asia. Journal of Geophysical Research, 2004, 109, .	3.3	42
162	A comparison of particle mass spectrometers during the 1999 Atlanta Supersite Project. Journal of Geophysical Research, 2003, 108, .	3.3	90

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163	Ambient aerosol sampling using the Aerodyne Aerosol Mass Spectrometer. Journal of Geophysical Research, 2003, 108, .	3.3	801
164	New particle formation from photooxidation of diiodomethane (CH2I2). Journal of Geophysical Research, 2003, 108, .	3.3	200
165	Aircraft-based aerosol size and composition measurements during ACE-Asia using an Aerodyne aerosol mass spectrometer. Journal of Geophysical Research, 2003, 108, .	3.3	107
166	Column closure studies of lower tropospheric aerosol and water vapor during ACE-Asia using airborne Sun photometer and airborne in situ and ship-based lidar measurements. Journal of Geophysical Research, 2003, 108, ACE 24-1-ACE 24-22.	3.3	68
167	Toward aerosol/cloud condensation nuclei (CCN) closure during CRYSTAL-FACE. Journal of Geophysical Research, 2003, 108, .	3.3	101
168	Organic compounds present in the natural Amazonian aerosol: Characterization by gas chromatography-mass spectrometry. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	177
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