

Lynn M Russell

List of Publications by Year in descending order

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255
papers

17,519
citations

9784

73
h-index

22161

113
g-index

321
all docs

321
docs citations

321
times ranked

10604
citing authors

#	ARTICLE	IF	CITATIONS
1	A large organic aerosol source in the free troposphere missing from current models. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	576
2	Critical assessment of the current state of scientific knowledge, terminology, and research needs concerning the role of organic aerosols in the atmosphere, climate, and global change. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 2017-2038.	4.9	447
3	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
4	Elucidating secondary organic aerosol from diesel and gasoline vehicles through detailed characterization of organic carbon emissions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 18318-18323.	7.1	409
5	The AeroCom evaluation and intercomparison of organic aerosol in global models. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10845-10895.	4.9	363
6	ACE-ASIA: Regional Climatic and Atmospheric Chemical Effects of Asian Dust and Pollution. <i>Bulletin of the American Meteorological Society</i> , 2004, 85, 367-380.	3.3	330
7	Carbohydrate-like composition of submicron atmospheric particles and their production from ocean bubble bursting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6652-6657.	7.1	322
8	The VAMOS Ocean-Cloud-Atmosphere-Land Study Regional Experiment (VOCALS-REx): goals, platforms, and field operations. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 627-654.	4.9	272
9	Organic Aerosol Growth Mechanisms and Their Climate-Forcing Implications. <i>Science</i> , 2004, 306, 1921-1924.	12.6	269
10	Evidence for NO _x Control over Nighttime SOA Formation. <i>Science</i> , 2012, 337, 1210-1212.	12.6	266
11	The Effects of Low Molecular Weight Dicarboxylic Acids on Cloud Formation. <i>Journal of Physical Chemistry A</i> , 2001, 105, 11240-11248.	2.5	258
12	Exploring the vertical profile of atmospheric organic aerosol: comparing 17 aircraft field campaigns with a global model. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 12673-12696.	4.9	240
13	Organic aerosol composition and sources in Pasadena, California, during the 2010 CalNex campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 9233-9257.	3.3	231
14	Contribution of sea surface carbon pool to organic matter enrichment in sea spray aerosol. <i>Nature Geoscience</i> , 2014, 7, 228-232.	12.9	223
15	Aerosol Organic-Mass-to-Organic-Carbon Ratio Measurements. <i>Environmental Science & Technology</i> , 2003, 37, 2982-2987.	10.0	210
16	Identifying organic aerosol sources by comparing functional group composition in chamber and atmospheric particles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 3516-3521.	7.1	195
17	FTIR measurements of functional groups and organic mass in aerosol samples over the Caribbean. <i>Atmospheric Environment</i> , 2002, 36, 5185-5196.	4.1	190
18	Elemental composition and oxidation of chamber organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 8827-8845.	4.9	190

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19	Carboxylic acids, sulfates, and organosulfates in processed continental organic aerosol over the southeast Pacific Ocean during VOCALSâ€REx 2008. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	184
20	Comparison of Gasoline Direct-Injection (GDI) and Port Fuel Injection (PFI) Vehicle Emissions: Emission Certification Standards, Cold-Start, Secondary Organic Aerosol Formation Potential, and Potential Climate Impacts. <i>Environmental Science & Technology</i> , 2017, 51, 6542-6552.	10.0	184
21	Emissions from Ships with respect to Their Effects on Clouds. <i>Journals of the Atmospheric Sciences</i> , 2000, 57, 2570-2590.	1.7	166
22	Source signatures of carbon monoxide and organic functional groups in Asian Pacific Regional Aerosol Characterization Experiment (ACE-Asia) submicron aerosol types. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	159
23	Prompt deliquescence and efflorescence of aerosol nanoparticles. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 4633-4642.	4.9	158
24	Mapping organic coatings on atmospheric particles. <i>Geophysical Research Letters</i> , 2002, 29, 26-1-26-4.	4.0	157
25	The relationship between DMS flux and CCN concentration in remote marine regions. <i>Journal of Geophysical Research</i> , 1994, 99, 16945.	3.3	155
26	Hydrolysis of Organonitrate Functional Groups in Aerosol Particles. <i>Aerosol Science and Technology</i> , 2012, 46, 1359-1369.	3.1	153
27	Aerosol production and growth in the marine boundary layer. <i>Journal of Geophysical Research</i> , 1994, 99, 20989.	3.3	152
28	Radial Differential Mobility Analyzer. <i>Aerosol Science and Technology</i> , 1995, 23, 357-372.	3.1	150
29	Intercomparison Study of the Size-Dependent Counting Efficiency of 26 Condensation Particle Counters. <i>Aerosol Science and Technology</i> , 1997, 27, 224-242.	3.1	145
30	Evaluation of the aerosol indirect effect in marine stratocumulus clouds: Droplet number, size, liquid water path, and radiative impact. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	144
31	Nanosize Effect on the Deliquescence and the Efflorescence of Sodium Chloride Particles. <i>Aerosol Science and Technology</i> , 2006, 40, 97-106.	3.1	142
32	Organonitrate group concentrations in submicron particles with high nitrate and organic fractions in coastal southern California. <i>Atmospheric Environment</i> , 2010, 44, 1970-1979.	4.1	137
33	Overview paper: New insights into aerosol and climate in the Arctic. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 2527-2560.	4.9	134
34	Nucleation and condensational growth to CCN sizes during a sustained pristine biogenic SOA event in a forested mountain valley. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 3147-3163.	4.9	129
35	Polysaccharides, Proteins, and Phytoplankton Fragments: Four Chemically Distinct Types of Marine Primary Organic Aerosol Classified by Single Particle Spectromicroscopy. <i>Advances in Meteorology</i> , 2010, 2010, 1-14.	1.6	128
36	Organosulfates as Tracers for Secondary Organic Aerosol (SOA) Formation from 2-Methyl-3-Buten-2-ol (MBO) in the Atmosphere. <i>Environmental Science & Technology</i> , 2012, 46, 9437-9446.	10.0	128

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37	Oxygenated fraction and mass of organic aerosol from direct emission and atmospheric processing measured on the R/V <i>Ronald Brown</i> during TEXAQS/GoMACCS 2006. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	126
38	A physically based framework for modeling the organic fractionation of sea spray aerosol from bubble film Langmuir equilibria. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 13601-13629.	4.9	124
39	Source-diagnostic dual-isotope composition and optical properties of water-soluble organic carbon and elemental carbon in the South Asian outflow intercepted over the Indian Ocean. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 11,743-11,759.	3.3	121
40	South East Pacific atmospheric composition and variability sampled along 20° S during VOCALS-REx. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 5237-5262.	4.9	119
41	Phase Transitions of Single Salt Particles Studied Using a Transmission Electron Microscope with an Environmental Cell. <i>Aerosol Science and Technology</i> , 2005, 39, 849-856.	3.1	118
42	January 2016 extensive summer melt in West Antarctica favoured by strong El Niño. <i>Nature Communications</i> , 2017, 8, 15799.	12.8	116
43	Observational Insights into Aerosol Formation from Isoprene. <i>Environmental Science & Technology</i> , 2013, 47, 11403-11413.	10.0	113
44	Hygroscopic and optical properties of organic sea salt aerosol and consequences for climate forcing. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	112
45	The North Atlantic Aerosol and Marine Ecosystem Study (NAAMES): Science Motive and Mission Overview. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	111
46	Characterization of organic ambient aerosol during MIRAGE 2006 on three platforms. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 5417-5432.	4.9	109
47	Characterizing the Aging of Biomass Burning Organic Aerosol by Use of Mixing Ratios: A Meta-analysis of Four Regions. <i>Environmental Science & Technology</i> , 2012, 46, 13093-13102.	10.0	109
48	Semivolatile POA and parameterized total combustion SOA in CMAQv5.2: impacts on source strength and partitioning. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 11107-11133.	4.9	109
49	The summertime Boreal forest field measurement intensive (HUMPPA-COPEC-2010): an overview of meteorological and chemical influences. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 10599-10618.	4.9	108
50	Sources and composition of submicron organic mass in marine aerosol particles. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 12,977.	3.3	106
51	Dust-wind interactions can intensify aerosol pollution over eastern China. <i>Nature Communications</i> , 2017, 8, 15333.	12.8	105
52	Determination of Differential Mobility Analyzer Transfer Functions Using Identical Instruments in Series. <i>Aerosol Science and Technology</i> , 1997, 27, 215-223.	3.1	104
53	Springtime Arctic haze contributions of submicron organic particles from European and Asian combustion sources. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	103
54	Substantial Seasonal Contribution of Observed Biogenic Sulfate Particles to Cloud Condensation Nuclei. <i>Scientific Reports</i> , 2018, 8, 3235.	3.3	103

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55	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
56	Thermodynamic equilibrium of organic-electrolyte mixtures in aerosol particles. <i>AIChE Journal</i> , 2002, 48, 1331-1348.	3.6	101
57	Nanosize effect on the hygroscopic growth factor of aerosol particles. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	100
58	Measurements of ocean derived aerosol off the coast of California. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	100
59	Bidirectional mixing in an ACE 1 marine boundary layer overlain by a second turbulent layer. <i>Journal of Geophysical Research</i> , 1998, 103, 16411-16432.	3.3	99
60	Light Absorption by Ambient Black and Brown Carbon and its Dependence on Black Carbon Coating State for Two California, USA, Cities in Winter and Summer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 1550-1577.	3.3	99
61	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. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	98
62	Fog scavenging of organic and inorganic aerosol in the Po Valley. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 6967-6981.	4.9	98
63	Predicted hygroscopic growth of sea salt aerosol. <i>Journal of Geophysical Research</i> , 2001, 106, 28259-28274.	3.3	97
64	Mathematical modeling of nucleation and growth of particles formed by the rapid expansion of a supercritical solution under subsonic conditions. <i>Journal of Supercritical Fluids</i> , 2002, 23, 65-80.	3.2	96
65	Direct aerosol chemical composition measurements to evaluate the physicochemical differences between controlled sea spray aerosol generation schemes. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 3667-3683.	3.1	95
66	Marine boundary layer dust and pollutant transport associated with the passage of a frontal system over eastern Asia. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	94
67	Effect of soluble surfactant on bubble persistence and bubble-produced aerosol particles. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 1388-1400.	3.3	94
68	Constraining the influence of natural variability to improve estimates of global aerosol indirect effects in a nudged version of the Community Atmosphere Model 5. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	89
69	Eastern Pacific Emitted Aerosol Cloud Experiment. <i>Bulletin of the American Meteorological Society</i> , 2013, 94, 709-729.	3.3	89
70	Accumulation mode aerosol, pockets of open cells, and particle nucleation in the remote subtropical Pacific marine boundary layer. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	88
71	Deliquescence of small particles. <i>Journal of Chemical Physics</i> , 2002, 116, 311.	3.0	87
72	Water Uptake by NaCl Particles Prior to Deliquescence and the Phase Rule. <i>Aerosol Science and Technology</i> , 2008, 42, 281-294.	3.1	84

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73	Organic functional groups in aerosol particles from burning and non-burning forest emissions at a high-elevation mountain site. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 6367-6386.	4.9	84
74	Primary marine aerosol-cloud interactions off the coast of California. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 4282-4303.	3.3	83
75	Oxygenated organic functional groups and their sources in single and submicron organic particles in MILAGRO 2006 campaign. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 6849-6863.	4.9	81
76	Quantification of Carboxylic and Carbonyl Functional Groups in Organic Aerosol Infrared Absorbance Spectra. <i>Aerosol Science and Technology</i> , 2013, 47, 310-325.	3.1	81
77	Classification of multiple types of organic carbon composition in atmospheric particles by scanning transmission X-ray microscopy analysis. <i>Atmospheric Environment</i> , 2007, 41, 9435-9451.	4.1	78
78	The Impact of Ship-Produced Aerosols on the Microstructure and Albedo of Warm Marine Stratocumulus Clouds: A Test of MAST Hypotheses 1i and 1ii. <i>Journals of the Atmospheric Sciences</i> , 2000, 57, 2554-2569.	1.7	77
79	Methods for biogeochemical studies of sea ice: The state of the art, caveats, and recommendations. <i>Elementa</i> , 2015, 3, .	3.2	77
80	Hygroscopic behavior of aerosol particles from biomass fires using environmental transmission electron microscopy. <i>Journal of Atmospheric Chemistry</i> , 2007, 56, 259-273.	3.2	76
81	Ship impacts on the marine atmosphere: insights into the contribution of shipping emissions to the properties of marine aerosol and clouds. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 8439-8458.	4.9	75
82	Asymmetric Instrument Response Resulting from Mixing Effects in Accelerated DMA-CPC Measurements. <i>Aerosol Science and Technology</i> , 1995, 23, 491-509.	3.1	74
83	Organic aerosol characterization by complementary measurements of chemical bonds and molecular fragments. <i>Atmospheric Environment</i> , 2009, 43, 6100-6105.	4.1	73
84	Organic and Elemental Carbon Measurements during ACE-Asia Suggest a Longer Atmospheric Lifetime for Elemental Carbon. <i>Environmental Science & Technology</i> , 2003, 37, 3055-3061.	10.0	72
85	Hygroscopic behavior of NaCl-bearing natural aerosol particles using environmental transmission electron microscopy. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	72
86	Secondary organic aerosol formation from fossil fuel sources contribute majority of summertime organic mass at Bakersfield. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	72
87	Oxidation of ketone groups in transported biomass burning aerosol from the 2008 Northern California Lightning Series fires. <i>Atmospheric Environment</i> , 2010, 44, 4142-4154.	4.1	71
88	Arctic organic aerosol measurements show particles from mixed combustion in spring haze and from frost flowers in winter. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	70
89	Ecosystem Impacts of Geoengineering: A Review for Developing a Science Plan. <i>Ambio</i> , 2012, 41, 350-369.	5.5	69
90	Characterisation and airborne deployment of a new counterflow virtual impactor inlet. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 1259-1269.	3.1	68

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91	Organic and Inorganic Aerosol Below-Cloud Scavenging by Suburban New Jersey Precipitation. <i>Environmental Science & Technology</i> , 2005, 39, 4793-4800.	10.0	67
92	Direct N<sub>2</sub><sub>O</sub> reactivity measurements at a polluted coastal site. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 2959-2968.	4.9	64
93	Particle Charging and Transmission Efficiencies of Aerosol Charge Neutralizes. <i>Aerosol Science and Technology</i> , 1997, 27, 206-214.	3.1	62
94	Evidence for Asian dust effects from aerosol plume measurements during INTEX-B 2006 near Whistler, BC. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 3523-3546.	4.9	62
95	Temperature response of the submicron organic aerosol from temperate forests. <i>Atmospheric Environment</i> , 2011, 45, 6696-6704.	4.1	62
96	Modeling regional aerosol and aerosol precursor variability over California and its sensitivity to emissions and long-range transport during the 2010 CalNex and CARES campaigns. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10013-10060.	4.9	62
97	Coatings and clusters of carboxylic acids in carbon-containing atmospheric particles from spectromicroscopy and their implications for cloud-nucleating and optical properties. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	61
98	Molecular characterization of organic aerosol using nanospray desorption/electrospray ionization mass spectrometry: CalNex 2010 field study. <i>Atmospheric Environment</i> , 2013, 68, 265-272.	4.1	61
99	Ozone-driven daytime formation of secondary organic aerosol containing carboxylic acid groups and alkane groups. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 8321-8341.	4.9	58
100	Insights into Secondary Organic Aerosol Formation Mechanisms from Measured Gas/Particle Partitioning of Specific Organic Tracer Compounds. <i>Environmental Science & Technology</i> , 2013, 47, 3781-3787.	10.0	58
101	Impact of California's air pollution laws on black carbon and their implications for direct radiative forcing. <i>Atmospheric Environment</i> , 2011, 45, 1162-1167.	4.1	57
102	Hygroscopic behavior and liquid-layer composition of aerosol particles generated from natural and artificial seawater. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	54
103	Biogenic oxidized organic functional groups in aerosol particles from a mountain forest site and their similarities to laboratory chamber products. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 5075-5088.	4.9	54
104	Investigating organic aerosol loading in the remote marine environment. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 8847-8860.	4.9	54
105	Biogenic and biomass burning organic aerosol in a boreal forest at Hyytiälä, Finland, during HUMPPA-COPEC 2010. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 12233-12256.	4.9	53
106	In situ aerosol-size distributions and clear-column radiative closure during ACE-2. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2000, 52, 498-525.	1.6	52
107	A molecular dynamics study of water mass accommodation on condensed phase water coated by fatty acid monolayers. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	52
108	Formation and growth of ultrafine particles from secondary sources in Bakersfield, California. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	51

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109	Gas/particle partitioning of total alkyl nitrates observed with TD-TOF in Bakersfield. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 6651-6662.	3.3	51
110	Aerosol-Cloud-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. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 1511-1528.	3.3	51
111	Characterization of particle cloud droplet activity and composition in the free troposphere and the boundary layer during INTEX-B. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 6627-6644.	4.9	50
112	Atmospheric sulfur cycling in the southeastern Pacific - longitudinal distribution, vertical profile, and diel variability observed during VOCALS-REx. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 5079-5097.	4.9	50
113	Water uptake characteristics of individual atmospheric particles having coatings. <i>Atmospheric Environment</i> , 2007, 41, 6225-6235.	4.1	49
114	Light-enhanced primary marine aerosol production from biologically productive seawater. <i>Geophysical Research Letters</i> , 2014, 41, 2661-2670.	4.0	48
115	Size- and Composition-Resolved Externally Mixed Aerosol Model. <i>Aerosol Science and Technology</i> , 1998, 28, 403-416.	3.1	47
116	AWARE: The Atmospheric Radiation Measurement (ARM) West Antarctic Radiation Experiment. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E1069-E1091.	3.3	46
117	Radially Classified Aerosol Detector for Aircraft-Based Submicron Aerosol Measurements. <i>Journal of Atmospheric and Oceanic Technology</i> , 1996, 13, 598-609.	1.3	45
118	Organic aerosol effects on fog droplet spectra. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	45
119	Burning of olive tree branches: a major organic aerosol source in the Mediterranean. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 8797-8811.	4.9	45
120	Factors driving the seasonal and hourly variability of sea-spray aerosol number in the North Atlantic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20309-20314.	7.1	43
121	Surface Tensions in NaCl-Water-Air Systems from MD Simulations. <i>Journal of Physical Chemistry B</i> , 2007, 111, 11989-11996.	2.6	41
122	Organic Constituents on the Surfaces of Aerosol Particles from Southern Finland, Amazonia, and California Studied by Vibrational Sum Frequency Generation. <i>Journal of Physical Chemistry A</i> , 2012, 116, 8271-8290.	2.5	41
123	Influence of Emissions and Aqueous Processing on Particles Containing Black Carbon in a Polluted Urban Environment: Insights From a Soot Particle-Aerosol Mass Spectrometer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 6648-6666.	3.3	41
124	A Case Study of Ships Forming and Not Forming Tracks in Moderately Polluted Clouds. <i>Journals of the Atmospheric Sciences</i> , 2000, 57, 2729-2747.	1.7	40
125	An overview of the Lagrangian experiments undertaken during the North Atlantic regional Aerosol Characterisation Experiment (ACE-2). <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 52, 290.	1.6	40
126	Organic functional groups in the submicron aerosol at 82.5°N, 62.5°W from 2012 to 2014. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 3269-3287.	4.9	40

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127	Aerosol dynamics in ship tracks. <i>Journal of Geophysical Research</i> , 1999, 104, 31077-31095.	3.3	39
128	In situ aerosol-size distributions and clear-column radiative closure during ACE-2. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2000, 52, 498-525.	1.6	38
129	Sea spray aerosol organic enrichment, water uptake and surface tension effects. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 7955-7977.	4.9	38
130	A Case Study of Ship Track Formation in a Polluted Marine Boundary Layer. <i>Journals of the Atmospheric Sciences</i> , 2000, 57, 2748-2764.	1.7	37
131	Chemical and Toxicological Evolution of Carbon Nanotubes During Atmospherically Relevant Aging Processes. <i>Environmental Science & Technology</i> , 2015, 49, 2806-2814.	10.0	37
132	Effect of Surface Tension from MD Simulations on Size-Dependent Deliquescence of NaCl Nanoparticles. <i>Aerosol Science and Technology</i> , 2008, 42, 369-376.	3.1	36
133	Seasonal Differences and Variability of Concentrations, Chemical Composition, and Cloud Condensation Nuclei of Marine Aerosol Over the North Atlantic. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033145.	3.3	36
134	Single-particle oxidation state and morphology of atmospheric iron aerosols. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	35
135	Submicron organic aerosol in Tijuana, Mexico, from local and Southern California sources during the CalMex campaign. <i>Atmospheric Environment</i> , 2013, 70, 500-512.	4.1	35
136	Coupled ocean-atmosphere loss of marine refractory dissolved organic carbon. <i>Geophysical Research Letters</i> , 2016, 43, 2765-2772.	4.0	35
137	Measurement report: Cloud processes and the transport of biological emissions affect southern ocean particle and cloud condensation nuclei concentrations. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 3427-3446.	4.9	35
138	Physical and chemical properties of the regional mixed layer of Mexico's Megapolis. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 5711-5727.	4.9	34
139	Cloud albedo increase from carbonaceous aerosol. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 7669-7684.	4.9	33
140	Precipitation effects of giant cloud condensation nuclei artificially introduced into stratocumulus clouds. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 5645-5658.	4.9	33
141	Cloud-Nucleating Particles Over the Southern Ocean in a Changing Climate. <i>Earth's Future</i> , 2021, 9, e2020EF001673.	6.3	33
142	Phenol Groups in Northeastern U.S. Submicrometer Aerosol Particles Produced from Seawater Sources. <i>Environmental Science & Technology</i> , 2010, 44, 2542-2548.	10.0	32
143	Measurements of submicron aerosols at the California-Mexico border during the Cal-Mex 2010 field campaign. <i>Atmospheric Environment</i> , 2014, 88, 308-319.	4.1	32
144	Climatology of PM _{2.5} organic carbon concentrations from a review of ground-based atmospheric measurements by evolved gas analysis. <i>Atmospheric Environment</i> , 2009, 43, 1591-1602.	4.1	31

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145	Organic particle types by single-particle measurements using a time-of-flight aerosol mass spectrometer coupled with a light scattering module. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 187-197.	3.1	31
146	High summertime aerosol organic functional group concentrations from marine and seabird sources at Ross Island, Antarctica, during AWARE. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8571-8587.	4.9	31
147	Contrasting organic aerosol particles from boreal and tropical forests during HUMPPA-COPEC-2010 and AMAZE-08 using coherent vibrational spectroscopy. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 10317-10329.	4.9	30
148	Hygroscopic properties of smoke-generated organic aerosol particles emitted in the marine atmosphere. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 9819-9835.	4.9	30
149	Prospects for simulating macromolecular surfactant chemistry at the ocean-atmosphere boundary. <i>Environmental Research Letters</i> , 2014, 9, 064012.	5.2	30
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