

Alexander Laskin

List of Publications by Year in descending order

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206
papers

16,591
citations

10956

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20900

115
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256
all docs

256
docs citations

256
times ranked

9419
citing authors

#	ARTICLE	IF	CITATIONS
1	Aerosol and Cloud Experiments in the Eastern North Atlantic (ACE-ENA). <i>Bulletin of the American Meteorological Society</i> , 2022, 103, E619-E641.	1.7	33
2	Radical-Initiated Brown Carbon Formation in Sunlit Carbonyl-“Amine”-Ammonium Sulfate Mixtures and Aqueous Aerosol Particles. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 228-238.	1.2	8
3	Quantitative analysis of polycyclic aromatic hydrocarbons using high-performance liquid chromatography-photodiode array-high-resolution mass spectrometric detection platform coupled to electrospray and atmospheric pressure photoionization sources. <i>Journal of Mass Spectrometry</i> , 2022, 57, e4804.	0.7	10
4	Atmospheric Brown Carbon on the Tibetan Plateau: Regional Differences in Chemical Composition and Light Absorption Properties. <i>Environmental Science and Technology Letters</i> , 2022, 9, 219-225.	3.9	9
5	Solid organic-coated ammonium sulfate particles at high relative humidity in the summertime Arctic atmosphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2104496119.	3.3	11
6	Molecular Characterization of Water-Soluble Brown Carbon Chromophores in Snowpack from Northern Xinjiang, China. <i>Environmental Science & Technology</i> , 2022, 56, 4173-4186.	4.6	17
7	Molecular Analysis of Secondary Brown Carbon Produced from the Photooxidation of Naphthalene. <i>Environmental Science & Technology</i> , 2022, 56, 3340-3353.	4.6	22
8	Optical Properties of Secondary Organic Aerosol Produced by Photooxidation of Naphthalene under NO _x Condition. <i>Environmental Science & Technology</i> , 2022, 56, 4816-4827.	4.6	20
9	Micro-spectroscopic and freezing characterization of ice-nucleating particles collected in the marine boundary layer in the eastern North Atlantic. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 5377-5398.	1.9	10
10	Chemical composition and morphological analysis of atmospheric particles from an intensive bonfire burning festival. <i>Environmental Science Atmospheres</i> , 2022, 2, 616-633.	0.9	1
11	Fluorescence characteristics of water-soluble organic carbon in atmospheric aerosol. <i>Environmental Pollution</i> , 2021, 268, 115906.	3.7	49
12	Photochemical reactions on aerosols at West Antarctica: A molecular case-study of nitrate formation among sea salt aerosols. <i>Science of the Total Environment</i> , 2021, 758, 143586.	3.9	8
13	Chemical Composition and Molecular-Specific Optical Properties of Atmospheric Brown Carbon Associated with Biomass Burning. <i>Environmental Science & Technology</i> , 2021, 55, 2511-2521.	4.6	58
14	The production and hydrolysis of organic nitrates from OH radical oxidation of α -pinene. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 129-145.	1.9	16
15	Airborne extractive electrospray mass spectrometry measurements of the chemical composition of organic aerosol. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 1545-1559.	1.2	20
16	Optical Properties of Secondary Organic Aerosol Produced by Nitrate Radical Oxidation of Biogenic Volatile Organic Compounds. <i>Environmental Science & Technology</i> , 2021, 55, 2878-2889.	4.6	35
17	Photosensitized Reactions of a Phenolic Carbonyl from Wood Combustion in the Aqueous Phase: Chemical Evolution and Light Absorption Properties of AqSOA. <i>Environmental Science & Technology</i> , 2021, 55, 5199-5211.	4.6	36
18	Measurement report: Molecular composition, optical properties, and radiative effects of water-soluble organic carbon in snowpack samples from northern Xinjiang, China. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 8531-8555.	1.9	15

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19	Vertical profiles of trace gas and aerosol properties over the eastern North Atlantic: variations with season and synoptic condition. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 11079-11098.	1.9	14
20	Molecular-Level Study of the Photo-Oxidation of Aqueous-Phase Guaiacyl Acetone in the Presence of NO_3^- : Formation of Brown Carbon Products. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 1983-1996.	1.2	15
21	Secondary organic aerosols produced from photochemical oxidation of secondarily evaporated biomass burning organic gases: Chemical composition, toxicity, optical properties, and climate effect. <i>Environment International</i> , 2021, 157, 106801.	4.8	11
22	Humidity-Dependent Viscosity of Secondary Organic Aerosol from Ozonolysis of β -Caryophyllene: Measurements, Predictions, and Implications. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 305-318.	1.2	32
23	Viscosity and liquid-liquid phase separation in healthy and stressed plant SOA. <i>Environmental Science Atmospheres</i> , 2021, 1, 140-153.	0.9	14
24	Impact of dry intrusion events on the composition and mixing state of particles during the winter Aerosol and Cloud Experiment in the Eastern North Atlantic (ACE-ENA). <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 18123-18146.	1.9	10
25	Formation of Secondary Brown Carbon in Biomass Burning Aerosol Proxies through NO_3 Radical Reactions. <i>Environmental Science & Technology</i> , 2020, 54, 1395-1405.	4.6	96
26	Regional Differences of Chemical Composition and Optical Properties of Aerosols in the Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031226.	1.2	16
27	Chemical Imaging of Fine Mode Atmospheric Particles Collected from a Research Aircraft over Agricultural Fields. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 2171-2184.	1.2	16
28	Microanalysis of Primary Biological Particles from Model Grass over Its Life Cycle. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 1895-1905.	1.2	5
29	Laboratory Insights into the Diel Cycle of Optical and Chemical Transformations of Biomass Burning Brown Carbon Aerosols. <i>Environmental Science & Technology</i> , 2020, 54, 11827-11837.	4.6	28
30	Observation of Road Salt Aerosol Driving Inland Wintertime Atmospheric Chlorine Chemistry. <i>ACS Central Science</i> , 2020, 6, 684-694.	5.3	41
31	Molecular Composition and the Optical Properties of Brown Carbon Generated by the Ethane Flame. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 1090-1103.	1.2	24
32	Emerging investigator series: influence of marine emissions and atmospheric processing on individual particle composition of summertime Arctic aerosol over the Bering Strait and Chukchi Sea. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 1201-1213.	1.7	8
33	Particle-Phase Diffusion Modulates Partitioning of Semivolatile Organic Compounds to Aged Secondary Organic Aerosol. <i>Environmental Science & Technology</i> , 2020, 54, 2595-2605.	4.6	37
34	Molecular composition and photochemical lifetimes of brown carbon chromophores in biomass burning organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 1105-1129.	1.9	115
35	Optical properties and composition of viscous organic particles found in the Southern Great Plains. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 11593-11606.	1.9	12
36	An Atmospheric Aerosol Short Course for Early Career Scientists. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E1562-E1567.	1.7	0

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37	Aqueous Photochemistry of Secondary Organic Aerosol of α -Pinene and α -Humulene in the Presence of Hydrogen Peroxide or Inorganic Salts. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 2736-2746.	1.2	18
38	Chemical Imaging of Atmospheric Particles. <i>Accounts of Chemical Research</i> , 2019, 52, 3419-3431.	7.6	32
39	Ice nucleating particles in the marine boundary layer in the Canadian Arctic during summer 2014. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 1027-1039.	1.9	48
40	Dynamic changes in optical and chemical properties of tar ball aerosols by atmospheric photochemical aging. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 139-163.	1.9	81
41	Liquid-liquid phase separation and viscosity within secondary organic aerosol generated from diesel fuel vapors. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 12515-12529.	1.9	27
42	The viscosity of atmospherically relevant organic particles. <i>Nature Communications</i> , 2018, 9, 956.	5.8	252
43	Effect of relative humidity on the composition of secondary organic aerosol from the oxidation of toluene. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 1643-1652.	1.9	64
44	Molecular composition of particulate matter emissions from dung and brushwood burning household cookstoves in Haryana, India. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 2461-2480.	1.9	69
45	Secondary sulfate is internally mixed with sea spray aerosol and organic aerosol in the winter Arctic. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 3937-3949.	1.9	56
46	Mass Spectrometry Analysis in Atmospheric Chemistry. <i>Analytical Chemistry</i> , 2018, 90, 166-189.	3.2	87
47	Aerosol Emissions from Great Lakes Harmful Algal Blooms. <i>Environmental Science & Technology</i> , 2018, 52, 397-405.	4.6	66
48	Growth Kinetics and Size Distribution Dynamics of Viscous Secondary Organic Aerosol. <i>Environmental Science & Technology</i> , 2018, 52, 1191-1199.	4.6	85
49	Editors' Perspective on Multiphase Chemistry in the Atmosphere. <i>ACS Symposium Series</i> , 2018, , 1-6.	0.5	0
50	Fungal spores as a source of sodium salt particles in the Amazon basin. <i>Nature Communications</i> , 2018, 9, 4793.	5.8	31
51	Reactive Uptake of Ammonia by Biogenic and Anthropogenic Organic Aerosols. <i>ACS Symposium Series</i> , 2018, , 127-147.	0.5	6
52	Molecular Characterization of Atmospheric Brown Carbon. <i>ACS Symposium Series</i> , 2018, , 261-274.	0.5	14
53	Comprehensive Molecular Characterization of Atmospheric Brown Carbon by High Resolution Mass Spectrometry with Electrospray and Atmospheric Pressure Photoionization. <i>Analytical Chemistry</i> , 2018, 90, 12493-12502.	3.2	148
54	Predicting the glass transition temperature and viscosity of secondary organic material using molecular composition. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 6331-6351.	1.9	116

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55	The diverse chemical mixing state of aerosol particles in the southeastern United States. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 12595-12612.	1.9	55
56	Unexpected Contributions of Sea Spray and Lake Spray Aerosol to Inland Particulate Matter. <i>Environmental Science and Technology Letters</i> , 2018, 5, 405-412.	3.9	36
57	Heating-Induced Transformations of Atmospheric Particles: Environmental Transmission Electron Microscopy Study. <i>Analytical Chemistry</i> , 2018, 90, 9761-9768.	3.2	7
58	Environmental Transmission Electron Microscopy of Individual Atmospheric Particles from the North Atlantic. <i>Microscopy and Microanalysis</i> , 2018, 24, 396-397.	0.2	5
59	Aqueous Photochemistry of Secondary Organic Aerosol of α -Pinene and α -Humulene Oxidized with Ozone, Hydroxyl Radical, and Nitrate Radical. <i>Journal of Physical Chemistry A</i> , 2017, 121, 1298-1309.	1.1	51
60	Broadband optical properties of biomass-burning aerosol and identification of brown carbon chromophores. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 5441-5456.	1.2	96
61	Molecular Diversity of Sea Spray Aerosol Particles: Impact of Ocean Biology on Particle Composition and Hygroscopicity. <i>CheM</i> , 2017, 2, 655-667.	5.8	111
62	Molecular Characterization of Organosulfur Compounds in Biodiesel and Diesel Fuel Secondary Organic Aerosol. <i>Environmental Science & Technology</i> , 2017, 51, 119-127.	4.6	74
63	Photochemistry of Products of the Aqueous Reaction of Methylglyoxal with Ammonium Sulfate. <i>ACS Earth and Space Chemistry</i> , 2017, 1, 522-532.	1.2	55
64	Optical Properties of Airborne Soil Organic Particles. <i>ACS Earth and Space Chemistry</i> , 2017, 1, 511-521.	1.2	14
65	A Role for 2-Methyl Pyrrole in the Browning of 4-Oxopentanal and Limonene Secondary Organic Aerosol. <i>Environmental Science & Technology</i> , 2017, 51, 11048-11056.	4.6	17
66	Inland Sea Spray Aerosol Transport and Incomplete Chloride Depletion: Varying Degrees of Reactive Processing Observed during SOAS. <i>Environmental Science & Technology</i> , 2017, 51, 9533-9542.	4.6	56
67	Molecular Chemistry of Atmospheric Brown Carbon Inferred from a Nationwide Biomass Burning Event. <i>Environmental Science & Technology</i> , 2017, 51, 11561-11570.	4.6	215
68	Characterization of Light-Absorbing Oligomers from Reactions of Phenolic Compounds and Fe(III). <i>ACS Earth and Space Chemistry</i> , 2017, 1, 637-646.	1.2	43
69	Anthropogenic influences on the physical state of submicron particulate matter over a tropical forest. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 1759-1773.	1.9	52
70	Contributions of transported Prudhoe Bay oil field emissions to the aerosol population in UtqiaĀvik, Alaska. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 10879-10892.	1.9	37
71	Effect of sea breeze circulation on aerosol mixing state and radiative properties in a desert setting. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 11331-11353.	1.9	17
72	Secondary organic aerosol from atmospheric photooxidation of indole. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 11605-11621.	1.9	21

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73	Biogenic, urban, and wildfire influences on the molecular composition of dissolved organic compounds in cloud water. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 15167-15180.	1.9	49
74	Elemental Mixing State of Aerosol Particles Collected in Central Amazonia during GoAmazon2014/15. <i>Atmosphere</i> , 2017, 8, 173.	1.0	30
75	Recent advances in understanding secondary organic aerosol: Implications for global climate forcing. <i>Reviews of Geophysics</i> , 2017, 55, 509-559.	9.0	548
76	Ice nucleation activity of diesel soot particles at cirrus relevant temperature conditions: Effects of hydration, secondary organics coating, soot morphology, and coagulation. <i>Geophysical Research Letters</i> , 2016, 43, 3580-3588.	1.5	47
77	Airborne soil organic particles generated by precipitation. <i>Nature Geoscience</i> , 2016, 9, 433-437.	5.4	71
78	Measuring Mass-Based Hygroscopicity of Atmospheric Particles through in Situ Imaging. <i>Environmental Science & Technology</i> , 2016, 50, 5172-5180.	4.6	17
79	Molecular Characterization of Brown Carbon in Biomass Burning Aerosol Particles. <i>Environmental Science & Technology</i> , 2016, 50, 11815-11824.	4.6	237
80	Direct observation of ice nucleation events on individual atmospheric particles. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 29721-29731.	1.3	55
81	Rupturing of Biological Spores As a Source of Secondary Particles in Amazonia. <i>Environmental Science & Technology</i> , 2016, 50, 12179-12186.	4.6	46
82	Optical properties and aging of light-absorbing secondary organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 12815-12827.	1.9	150
83	Morphology and mixing of black carbon particles collected in central California during the CARES field study. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14515-14525.	1.9	44
84	Molecular transformations of phenolic SOA during photochemical aging in the aqueous phase: competition among oligomerization, functionalization, and fragmentation. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 4511-4527.	1.9	92
85	Progress in the Analysis of Complex Atmospheric Particles. <i>Annual Review of Analytical Chemistry</i> , 2016, 9, 117-143.	2.8	51
86	Effect of viscosity on photodegradation rates in complex secondary organic aerosol materials. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 8785-8793.	1.3	76
87	Analysis of Organic Anionic Surfactants in Fine and Coarse Fractions of Freshly Emitted Sea Spray Aerosol. <i>Environmental Science & Technology</i> , 2016, 50, 2477-2486.	4.6	143
88	Chemical imaging of ambient aerosol particles: Observational constraints on mixing state parameterization. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 9591-9605.	1.2	49
89	Influence of crustal dust and sea spray supermicron particle concentrations and acidity on inorganic NO ₃ aerosol during the 2013 Southern Oxidant and Aerosol Study. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 10669-10685.	1.9	56
90	High-Resolution Mass Spectrometry and Molecular Characterization of Aqueous Photochemistry Products of Common Types of Secondary Organic Aerosols. <i>Journal of Physical Chemistry A</i> , 2015, 119, 2594-2606.	1.1	63

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91	Reactivity of Liquid and Semisolid Secondary Organic Carbon with Chloride and Nitrate in Atmospheric Aerosols. <i>Journal of Physical Chemistry A</i> , 2015, 119, 4498-4508.	1.1	73
92	Chemistry of Atmospheric Brown Carbon. <i>Chemical Reviews</i> , 2015, 115, 4335-4382.	23.0	1,121
93	Aqueous Processing of Atmospheric Organic Particles in Cloud Water Collected via Aircraft Sampling. <i>Environmental Science & Technology</i> , 2015, 49, 8523-8530.	4.6	55
94	Molecular characterization of brown carbon (BrC) chromophores in secondary organic aerosol generated from photo-oxidation of toluene. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 23312-23325.	1.3	210
95	Mechanism of the hydroxyl radical oxidation of methacryloyl peroxyxynitrate (MPAN) and its pathway toward secondary organic aerosol formation in the atmosphere. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 17914-17926.	1.3	108
96	Liquid-Liquid Phase Separation in Aerosol Particles: Imaging at the Nanometer Scale. <i>Environmental Science & Technology</i> , 2015, 49, 4995-5002.	4.6	83
97	Atmospheric Oxidation of Squalene: Molecular Study Using COBRA Modeling and High-Resolution Mass Spectrometry. <i>Environmental Science & Technology</i> , 2015, 49, 13304-13313.	4.6	30
98	Morphology of diesel soot residuals from supercooled water droplets and ice crystals: implications for optical properties. <i>Environmental Research Letters</i> , 2015, 10, 114010.	2.2	35
99	Revealing Brown Carbon Chromophores Produced in Reactions of Methylglyoxal with Ammonium Sulfate. <i>Environmental Science & Technology</i> , 2015, 49, 14257-14266.	4.6	149
100	Production of major reaction products in the initial steps of the thermal decomposition of naphthalene. <i>Experimental shock-tube results and computer simulation. Proceedings of the Combustion Institute</i> , 2015, 35, 299-307.	2.4	4
101	Reactions between water-soluble organic acids and nitrates in atmospheric aerosols: Recycling of nitric acid and formation of organic salts. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 3335-3351.	1.2	58
102	Molecular Selectivity of Brown Carbon Chromophores. <i>Environmental Science & Technology</i> , 2014, 48, 12047-12055.	4.6	94
103	Molecular characterization of organic content of soot along the centerline of a coflow diffusion flame. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 25862-25875.	1.3	65
104	Complex refractive indices in the near-ultraviolet spectral region of biogenic secondary organic aerosol aged with ammonia. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 10629-10642.	1.3	98
105	Effect of Solar Radiation on the Optical Properties and Molecular Composition of Laboratory Proxies of Atmospheric Brown Carbon. <i>Environmental Science & Technology</i> , 2014, 48, 10217-10226.	4.6	250
106	Hygroscopic Properties of Internally Mixed Particles Composed of NaCl and Water-Soluble Organic Acids. <i>Environmental Science & Technology</i> , 2014, 48, 2234-2241.	4.6	88
107	Molecular Characterization of Organosulfates in Organic Aerosols from Shanghai and Los Angeles Urban Areas by Nanospray-Desorption Electrospray Ionization High-Resolution Mass Spectrometry. <i>Environmental Science & Technology</i> , 2014, 48, 10993-11001.	4.6	138
108	Spatially resolved chemical imaging of individual atmospheric particles using nanoscale imaging mass spectrometry: insight into particle origin and chemistry. <i>Analytical Methods</i> , 2014, 6, 2444-2451.	1.3	21

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109	Microspectroscopic imaging and characterization of individually identified ice nucleating particles from a case field study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 10,365.	1.2	61
110	Physical properties of ambient and laboratory-generated secondary organic aerosol. <i>Geophysical Research Letters</i> , 2014, 41, 4347-4353.	1.5	53
111	Molecular characterization of S- and N-containing organic constituents in ambient aerosols by negative ion mode high-resolution Nanospray Desorption Electrospray Ionization Mass Spectrometry: CalNex 2010 field study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 12,706.	1.2	41
112	Chemical characterization of SOA formed from aqueous-phase reactions of phenols with the triplet excited state of carbonyl and hydroxyl radical. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 13801-13816.	1.9	187
113	Molecular characterization of organic aerosol using nanospray desorption/electrospray ionization mass spectrometry: CalNex 2010 field study. <i>Atmospheric Environment</i> , 2013, 68, 265-272.	1.9	61
114	Chemical imaging analysis of environmental particles using the focused ion beam/scanning electron microscopy technique: microanalysis insights into atmospheric chemistry of fly ash. <i>Analyst</i> , The, 2013, 138, 451-460.	1.7	18
115	An approach toward quantification of organic compounds in complex environmental samples using high-resolution electrospray ionization mass spectrometry. <i>Analytical Methods</i> , 2013, 5, 72-80.	1.3	24
116	Excitation-Emission Spectra and Fluorescence Quantum Yields for Fresh and Aged Biogenic Secondary Organic Aerosols. <i>Environmental Science & Technology</i> , 2013, 47, 5763-5770.	4.6	119
117	Brown carbon formation from ketoaldehydes of biogenic monoterpenes. <i>Faraday Discussions</i> , 2013, 165, 473.	1.6	89
118	Probing molecular associations of field-collected and laboratory-generated SOA with nano-DESI high-resolution mass spectrometry. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 1042-1051.	1.2	19
119	Field and laboratory studies of reactions between atmospheric water soluble organic acids and inorganic particles. , 2013, , .		0
120	An environmental sample chamber for reliable scanning transmission x-ray microscopy measurements under water vapor. <i>Review of Scientific Instruments</i> , 2013, 84, 073708.	0.6	24
121	New mass spectrometry techniques for studying physical chemistry of atmospheric heterogeneous processes. <i>International Reviews in Physical Chemistry</i> , 2013, 32, 128-170.	0.9	41
122	Spectro-microscopic measurements of carbonaceous aerosol aging in Central California. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 10445-10459.	1.9	56
123	Chemical characterization of individual particles and residuals of cloud droplets and ice crystals collected on board research aircraft in the ISDAC 2008 study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 6564-6579.	1.2	53
124	Modeling aerosols and their interactions with shallow cumuli during the 2007 CHAPS field study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 1343-1360.	1.2	30
125	Feasibility of the Detection of Trace Elements in Particulate Matter Using Online High-Resolution Aerosol Mass Spectrometry. <i>Aerosol Science and Technology</i> , 2012, 46, 1187-1200.	1.5	28
126	Overview of the 2010 Carbonaceous Aerosols and Radiative Effects Study (CARES). <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 7647-7687.	1.9	94

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127	Direct aqueous photochemistry of isoprene high-NO _x secondary organic aerosol. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 9702.	1.3	38
128	Applications of High-Resolution Electrospray Ionization Mass Spectrometry to Measurements of Average Oxygen to Carbon Ratios in Secondary Organic Aerosols. <i>Environmental Science & Technology</i> , 2012, 46, 8315-8324.	4.6	44
129	Aerosolized ZnO Nanoparticles Induce Toxicity in Alveolar Type II Epithelial Cells at the Air-Liquid Interface. <i>Toxicological Sciences</i> , 2012, 125, 450-461.	1.4	58
130	COBRA: A Computational Brewing Application for Predicting the Molecular Composition of Organic Aerosols. <i>Environmental Science & Technology</i> , 2012, 46, 6048-6055.	4.6	8
131	Chemical Characterization of Crude Petroleum Using Nanospray Desorption Electrospray Ionization Coupled with High-Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 1517-1525.	3.2	64
132	Coal Fly Ash as a Source of Iron in Atmospheric Dust. <i>Environmental Science & Technology</i> , 2012, 46, 2112-2120.	4.6	129
133	Chemical Analysis of Complex Organic Mixtures Using Reactive Nanospray Desorption Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 7179-7187.	3.2	52
134	Iron speciation and mixing in single aerosol particles from the Asian continental outflow. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	59
135	Formation of nitrogen- and sulfur-containing light-absorbing compounds accelerated by evaporation of water from secondary organic aerosols. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	189
136	Heterogeneous ice nucleation and water uptake by field-collected atmospheric particles below 273 K. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	52
137	The dependence of ice microphysics on aerosol concentration in arctic mixed-phase stratus clouds during ISDAC and MACE. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	94
138	Tropospheric chemistry of internally mixed sea salt and organic particles: Surprising reactivity of NaCl with weak organic acids. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	224
139	Mass spectrometric approaches for chemical characterisation of atmospheric aerosols: critical review of the most recent advances. <i>Environmental Chemistry</i> , 2012, 9, 163.	0.7	84
140	Photolytic processing of secondary organic aerosols dissolved in cloud droplets. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 12199.	1.3	110
141	Internal structure, hygroscopic and reactive properties of mixed sodium methanesulfonate-sodium chloride particles. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 11846.	1.3	25
142	Case Study of Water-Soluble Metal Containing Organic Constituents of Biomass Burning Aerosol. <i>Environmental Science & Technology</i> , 2011, 45, 1257-1263.	4.6	44
143	Nitrogen-Containing Organic Compounds and Oligomers in Secondary Organic Aerosol Formed by Photooxidation of Isoprene. <i>Environmental Science & Technology</i> , 2011, 45, 6908-6918.	4.6	100
144	Higher-Order Mass Defect Analysis for Mass Spectra of Complex Organic Mixtures. <i>Analytical Chemistry</i> , 2011, 83, 4924-4929.	3.2	91

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145	Spectroscopic Evidence of Keto-Enol Tautomerism in Deliquesced Malonic Acid Particles. <i>Journal of Physical Chemistry A</i> , 2011, 115, 4373-4380.	1.1	59
146	Molecular chemistry of organic aerosols through the application of high resolution mass spectrometry. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 3612.	1.3	147
147	Effect of humidity on the composition of isoprene photooxidation secondary organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 6931-6944.	1.9	167
148	The influence of fog and air mass history on aerosol optical, physical and chemical properties at Pt. Reyes National Seashore. <i>Atmospheric Environment</i> , 2011, 45, 2559-2568.	1.9	19
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