Steven S Brown

List of Publications by Year
in descending order

256	17,368	9878 73	22698 113
papers	citations	h-index	g-index

301	301	301	10208
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A large atomic chlorine source inferred from mid-continental reactive nitrogen chemistry. Nature, 2010, 464, 271-274.	36.2	570
2	High levels of nitryl chloride in the polluted subtropical marine boundary layer. Nature Geoscience, 2008, 1, 324-328.	11.9	414
3	Nighttime radical observations and chemistry. Chemical Society Reviews, 2012, 41, 6405.	40.3	410
4	Tropospheric Halogen Chemistry: Sources, Cycling, and Impacts. Chemical Reviews, 2015, 115, 4035-4062.	51.4	361
5	Variability in Nocturnal Nitrogen Oxide Processing and Its Role in Regional Air Quality. Science, 2006, 311, 67-70.	20.9	356
6	Nitrate radicals and biogenic volatile organic compounds: oxidation, mechanisms, and organic aerosol. Atmospheric Chemistry and Physics, 2017, 17, 2103-2162.	5.0	331
7	High winter ozone pollution from carbonyl photolysis in an oil and gas basin. Nature, 2014, 514, 351-354.	36.2	288
8	Highly functionalized organic nitrates in the southeast United States: Contribution to secondary organic aerosol and reactive nitrogen budgets. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1516-1521.	7.6	281
9	Organic nitrate and secondary organic aerosol yield from NO₃ oxidation of Î²-pinene evaluated using a gas-phase kinetics/aerosol partitioning model. Atmospheric Chemistry and Physics, 2009, 9, 1431-1449.	5.0	280
10	Non-methane organic gas emissions from biomass burning: identification, quantification, and emission factors from PTR-ToF during the FIREX 2016 laboratory experiment. Atmospheric Chemistry and Physics, 2018, 18, 3299-3319.	5.0	254
11	Biomass burning dominates brown carbon absorption in the rural southeastern United States. Geophysical Research Letters, 2015, 42, 653-664.	4.0	225
12	Heterogeneous Atmospheric Chemistry, Ambient Measurements, and Model Calculations of N₂O₅: A Review. Aerosol Science and Technology, 2011, 45, 665-695.	3.1	224
13	Absorption Spectroscopy in High-Finesse Cavities for Atmospheric Studies. Chemical Reviews, 2003, 103, 5219-5238.	51.4	213
14	Isoprene oxidation by nitrate radical: alkyl nitrate and secondary organic aerosol yields. Atmospheric Chemistry and Physics, 2009, 9, 6685-6703.	5.0	212
15	Secondary Organic Aerosol Formation and Organic Nitrate Yield from NO₃Oxidation of Biogenic Hydrocarbons. Environmental Science & Technology, 2014, 48, 11944-11953.	10.5	194
16	Fine particle pH and the partitioning of nitric acid during winter in the northeastern United States. Journal of Geophysical Research D: Atmospheres, 2016, 121, 10,355.	3.3	189
17	Atmospheric fates of Criegee intermediates in the ozonolysis of isoprene. Physical Chemistry Chemical Physics, 2016, 18, 10241-10254.	2.9	185
18	Nitryl Chloride and Molecular Chlorine in the Coastal Marine Boundary Layer. Environmental Science & Technology, 2012, 46, 10463-10470.	10.5	179

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19	Measurement of glyoxal using an incoherent broadband cavity enhanced absorption spectrometer. Atmospheric Chemistry and Physics, 2008, 8, 7779-7793.	5.0	160
20	Measurement of HONO, HNCO, and other inorganic acids by negative-ion proton-transfer chemical-ionization mass spectrometry (NI-PT-CIMS): application to biomass burning emissions. Atmospheric Measurement Techniques, 2010, 3, 981-990.	3.1	156
21	Observations of gas- and aerosol-phase organic nitrates at BEACHON-RoMBAS 2011. Atmospheric Chemistry and Physics, 2013, 13, 8585-8605.	5.0	155
22	Measurement of aerosol optical extinction at with pulsed cavity ring down spectroscopy. Journal of Aerosol Science, 2004, 35, 995-1011.	3.9	152
23	Comparison of daytime and nighttime oxidation of biogenic and anthropogenic VOCs along the New England coast in summer during New England Air Quality Study 2002. Journal of Geophysical Research, 2004, 109, .	3.3	146
24	Top-down estimate of surface flux in the Los Angeles Basin using a mesoscale inverse modeling technique: assessing anthropogenic emissions of CO, NO_x and CO₂ and their impacts. Atmospheric Chemistry and Physics, 2013, 13, 3661-3677.	5.0	143
25	Aircraft instrument for simultaneous, in situ measurement of NO3 and N2O5 via pulsed cavity ring-down spectroscopy. Review of Scientific Instruments, 2006, 77, 034101.	1.4	138
26	Global airborne sampling reveals a previously unobserved dimethyl sulfide oxidation mechanism in the marine atmosphere. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4505-4510.	7.6	136
27	Simultaneousin situdetection of atmospheric NO3 and N2O5 via cavity ring-down spectroscopy. Review of Scientific Instruments, 2002, 73, 3291-3301.	1.4	134
28	Nighttime removal of NOxin the summer marine boundary layer. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	134
29	Nocturnal isoprene oxidation over the Northeast United States in summer and its impact on reactive nitrogen partitioning and secondary organic aerosol. Atmospheric Chemistry and Physics, 2009, 9, 3027-3042.	5.0	132
30	Volatile chemical product emissions enhance ozone and modulate urban chemistry. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.6	132
31	SOA from limonene: role of NO₃ in its generation and degradation. Atmospheric Chemistry and Physics, 2011, 11, 3879-3894.	5.0	129
32	Vertically Resolved Measurements of Nighttime Radical Reservoirs in Los Angeles and Their Contribution to the Urban Radical Budget. Environmental Science & Technology, 2012, 46, 10965-10973.	10.5	129
33	Organic nitrate aerosol formation via NO₃ + biogenic volatile organic compounds in the southeastern United States. Atmospheric Chemistry and Physics, 2015, 15, 13377-13392.	5.0	129
34	Chemical feedbacks weaken the wintertime response of particulate sulfate and nitrate to emissions reductions over the eastern United States. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8110-8115.	7.6	127
35	Reactive uptake coefficients for N₂O₅ determined from aircraft measurements during the Second Texas Air Quality Study: Comparison to current model parameterizations. Journal of Geophysical Research, 2009, 114, .	3.3	126
36	A Sensitive and Versatile Detector for Atmospheric NO₂ and NO_X Based on Blue Diode Laser Cavity Ring-Down Spectroscopy. Environmental Science & Technology, 2009, 43, 7831-7836.	10.5	125

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37	High resolution vertical distributions of NO₃ and N₂O₅ through the nocturnal boundary layer. Atmospheric Chemistry and Physics, 2007, 7, 139-149.	5.0	122
38	Observations of nitryl chloride and modeling its source and effect on ozone in the planetary boundary layer of southern China. Journal of Geophysical Research D: Atmospheres, 2016, 121, 2476-2489.	3.3	120
39	Understanding the role of the ground surface in HONO vertical structure: High resolution vertical profiles during NACHTTâ€11. Journal of Geophysical Research D: Atmospheres, 2013, 118, 10,155.	3.3	116
40	Diode laser-based cavity ring-down instrument for NO₃, N₂O₅, NO, NO₂ and O₃ from aircraft. Atmospheric Measurement Techniques, 2011, 4, 1227-1240.	3.1	115
41	Applicability of the steady state approximation to the interpretation of atmospheric observations of NO3and N2O5. Journal of Geophysical Research, 2003, 108, .	3.3	114
42	Reconsideration of the Rate Constant for the Reaction of Hydroxyl Radicals with Nitric Acid. Journal of Physical Chemistry A, 1999, 103, 3031-3037.	2.6	111
43	Broadband measurements of aerosol extinction in the ultraviolet spectral region. Atmospheric Measurement Techniques, 2013, 6, 861-877.	3.1	111
44	Heterogeneous N₂O₅ Uptake During Winter: Aircraft Measurements During the 2015 WINTER Campaign and Critical Evaluation of Current Parameterizations. Journal of Geophysical Research D: Atmospheres, 2018, 123, 4345-4372.	3.3	111
45	High- and low-temperature pyrolysis profiles describe volatile organic compound emissions from western US wildfire fuels. Atmospheric Chemistry and Physics, 2018, 18, 9263-9281.	5.0	111
46	Formation of Secondary Brown Carbon in Biomass Burning Aerosol Proxies through NO₃ Radical Reactions. Environmental Science & Technology, 2020, 54, 1395-1405.	10.5	111
47	Broadband optical properties of biomassâ€burning aerosol and identification of brown carbon chromophores. Journal of Geophysical Research D: Atmospheres, 2017, 122, 5441-5456.	3.3	110
48	Rate constants for the reaction OH+NO2+M â†' HNO3+M under atmospheric conditions. Chemical Physics Letters, 1999, 299, 277-284.	2.7	109
49	Laboratory studies of products of N₂O₅ uptake on Cl^{â˜'} containing substrates. Geophysical Research Letters, 2009, 36, .	4.0	109
50	Nitrogen oxides in the nocturnal boundary layer: Simultaneous in situ measurements of NO3, N2O5, NO2, NO, and O3. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	108
51	The global impacts of COVID-19 lockdowns on urban air pollution. Elementa, 2021, 9, .	3.3	105
52	Complex refractive indices in the near-ultraviolet spectral region of biogenic secondary organic aerosol aged with ammonia. Physical Chemistry Chemical Physics, 2014, 16, 10629-10642.	2.9	104
53	Design and Application of a Pulsed Cavity Ring-Down Aerosol Extinction Spectrometer for Field Measurements. Aerosol Science and Technology, 2007, 41, 447-462.	3.1	102
54	Volatile organic compound emissions from the oil and natural gas industry in the Uintah Basin, Utah: oil and gas well pad emissions compared to ambient air composition. Atmospheric Chemistry and Physics, 2014, 14, 10977-10988.	5.0	102

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55	Ozone photochemistry in an oil and natural gas extraction region during winter: simulations of a snow-free season in the Uintah Basin, Utah. Atmospheric Chemistry and Physics, 2013, 13, 8955-8971.	5.0	101
56	The glyoxal budget and its contribution to organic aerosol for Los Angeles, California, during CalNex 2010. Journal of Geophysical Research, 2011, 116, .	3.3	100
57	Airborne and groundâ€based observations of a weekend effect in ozone, precursors, and oxidation products in the California South Coast Air Basin. Journal of Geophysical Research, 2012, 117, .	3.3	100
58	Contribution of human-related sources to indoor volatile organic compounds in a university classroom. Indoor Air, 2016, 26, 925-938.	4.4	100
59	Reactivity and loss mechanisms of NO3 and N2 O5 in a polluted marine environment: Results from in situ measurements during New England Air Quality Study 2002. Journal of Geophysical Research, 2006, 111, .	3.3	99
60	Nocturnal loss and daytime source of nitrous acid through reactive uptake and displacement. Nature Geoscience, 2015, 8, 55-60.	11.9	99
61	Chlorine activation within urban or power plant plumes: Vertically resolved ClNO₂ and Cl₂ measurements from a tall tower in a polluted continental setting. Journal of Geophysical Research D: Atmospheres, 2013, 118, 8702-8715.	3.3	98
62	A broadband cavity enhanced absorption spectrometer for aircraft measurements of glyoxal, methylglyoxal, nitrous acid, nitrogen dioxide, and water vapor. Atmospheric Measurement Techniques, 2016, 9, 423-440.	3.1	96
63	OH chemistry of non-methane organic gases (NMOGs) emitted from laboratory and ambient biomass burning smoke: evaluating the influence of furans and oxygenated aromatics on ozone and secondary NMOG formation. Atmospheric Chemistry and Physics, 2019, 19, 14875-14899.	5.0	96
64	Chlorine as a primary radical: evaluation of methods to understand its role in initiation of oxidative cycles. Atmospheric Chemistry and Physics, 2014, 14, 3427-3440.	5.0	95
65	Measurements of hydroxyl and hydroperoxy radicals during CalNexâ€LA: Model comparisons and radical budgets. Journal of Geophysical Research D: Atmospheres, 2016, 121, 4211-4232.	3.3	91
66	Influence of oil and gas emissions on summertime ozone in the Colorado Northern Front Range. Journal of Geophysical Research D: Atmospheres, 2016, 121, 8712-8729.	3.3	91
67	N₂O₅ uptake coefficients and nocturnal NO₂ removal rates determined from ambient wintertime measurements. Journal of Geophysical Research D: Atmospheres, 2013, 118, 9331-9350.	3.3	90
68	An MCM modeling study of nitryl chloride (ClNO₂) impacts on oxidation, ozone production and nitrogen oxide partitioning in polluted continental outflow. Atmospheric Chemistry and Physics, 2014, 14, 3789-3800.	5.0	89
69	Secondary formation of nitrated phenols: insights from observations during the Uintah Basin Winter Ozone Study (UBWOS) 2014. Atmospheric Chemistry and Physics, 2016, 16, 2139-2153.	5.0	88
70	An Odd Oxygen Framework for Wintertime Ammonium Nitrate Aerosol Pollution in Urban Areas: NO_x and VOC Control as Mitigation Strategies. Geophysical Research Letters, 2019, 46, 4971-4979.	4.0	87
71	In-situ measurement of atmospheric NO3and N2O5via cavity ring-down spectroscopy. Geophysical Research Letters, 2001, 28, 3227-3230.	4.0	86
72	Reactive nitrogen transport and photochemistry in urban plumes over the North Atlantic Ocean. Journal of Geophysical Research, 2006, 111, .	3.3	83

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73	Coupling between Chemical and Meteorological Processes under Persistent Cold-Air Pool Conditions: Evolution of Wintertime PM_{2.5} Pollution Events and N₂O₅ Observations in Utahâ€™s Salt Lake Valley. Environmental Science & Technology, 2017, 51, 5941-5950.	10.5	82
74	Determination of Inlet Transmission and Conversion Efficiencies for in Situ Measurements of the Nocturnal Nitrogen Oxides, NO₃, N₂O₅ and NO₂, via Pulsed Cavity Ring-Down Spectroscopy. Analytical Chemistry, 2008, 80, 6010-6017.	6.8	80
75	A Measurement of Total Reactive Nitrogen, NO_y, together with NO₂, NO, and O₃ via Cavity Ring-down Spectroscopy. Environmental Science & Technology, 2014, 48, 9609-9615.	10.5	80
76	The primary and recycling sources of OH during the NACHTTâ€2011 campaign: HONO as an important OH primary source in the wintertime. Journal of Geophysical Research D: Atmospheres, 2014, 119, 6886-6896.	3.3	80
77	Nighttime chemistry at a high altitude site above Hong Kong. Journal of Geophysical Research D: Atmospheres, 2016, 121, 2457-2475.	3.3	80
78	Trends in sulfate and organic aerosol mass in the Southeast U.S.: Impact on aerosol optical depth and radiative forcing. Geophysical Research Letters, 2014, 41, 7701-7709.	4.0	79
79	The lifetime of nitrogen oxides in an isoprene-dominated forest. Atmospheric Chemistry and Physics, 2016, 16, 7623-7637.	5.0	79
80	Vertical profiles in NO₃ and N₂O₅ measured from an aircraft: Results from the NOAA Pâ€3 and surface platforms during the New England Air Quality Study 2004. Journal of Geophysical Research, 2007, 112, .	3.3	78
81	Intercomparison of measurements of NO₂ concentrations in the atmosphere simulation chamber SAPHIR during the NO3Comp campaign. Atmospheric Measurement Techniques, 2010, 3, 21-37.	3.1	78
82	Nighttime Chemical Transformation in Biomass Burning Plumes: A Box Model Analysis Initialized with Aircraft Observations. Environmental Science & Technology, 2019, 53, 2529-2538.	10.5	78
83	Glyoxal yield from isoprene oxidation and relation to formaldehyde: chemical mechanism, constraints from SENEX aircraft observations, and interpretation of OMI satellite data. Atmospheric Chemistry and Physics, 2017, 17, 8725-8738.	5.0	76
84	No Evidence for a Significant Impact of Heterogeneous Chemistry on Radical Concentrations in the North China Plain in Summer 2014. Environmental Science & Technology, 2020, 54, 5973-5979.	10.5	76
85	Simultaneous Kinetics and Ring-down:â€‰ Rate Coefficients from Single Cavity Loss Temporal Profiles. Journal of Physical Chemistry A, 2000, 104, 7044-7052.	2.6	75
86	Nocturnal odd-oxygen budget and its implications for ozone loss in the lower troposphere. Geophysical Research Letters, 2006, 33, .	4.0	75
87	Sources and Secondary Production of Organic Aerosols in the Northeastern United States during WINTER. Journal of Geophysical Research D: Atmospheres, 2018, 123, 7771-7796.	3.3	75
88	Vibrationally mediated photodissociation of isocyanic acid (HNCO): Preferential Nâ€“H bond fission by excitation of the reaction coordinate. Journal of Chemical Physics, 1996, 105, 6293-6303.	3.1	72
89	Absolute Intensities for Third and Fourth Overtone Absorptions in HNO3and H2O2Measured by Cavity Ring Down Spectroscopy. Journal of Physical Chemistry A, 2000, 104, 4976-4983.	2.6	71
90	Aircraft observations of daytime NO3 and N2O5 and their implications for tropospheric chemistry. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 176, 270-278.	4.0	70

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91	Temperature dependence of the NO3 absorption cross-section above 298 K and determination of the equilibrium constant for NO3 + NO2â† N2O5 at atmospherically relevant conditions. Physical Chemistry Chemical Physics, 2007, 9, 5785.	2.9	69
92	Nitrogen, Aerosol Composition, and Halogens on a Tall Tower (NACHTT): Overview of a wintertime air chemistry field study in the front range urban corridor of Colorado. Journal of Geophysical Research D: Atmospheres, 2013, 118, 8067-8085.	3.3	69
93	OH reactivity at a rural site (Wangdu) in the North China Plain: contributions from OH reactants and experimental OH budget. Atmospheric Chemistry and Physics, 2017, 17, 645-661.	5.0	69
94	Measurement of atmospheric NO2by pulsed cavity ring-down spectroscopy. Journal of Geophysical Research, 2006, 111, .	3.3	68
95	Budgets for nocturnal VOC oxidation by nitrate radicals aloft during the 2006 Texas Air Quality Study. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	66
96	Synthesis of the Southeast Atmosphere Studies: Investigating Fundamental Atmospheric Chemistry Questions. Bulletin of the American Meteorological Society, 2018, 99, 547-567.	5.5	66
97	Measurement of Atmospheric Ozone by Cavity Ring-down Spectroscopy. Environmental Science & Technology, 2011, 45, 2938-2944.	10.5	65
98	On-road measurements of vehicle NO 2 /NO x emission ratios in Denver, Colorado, USA. Atmospheric Environment, 2017, 148, 182-189.	4.2	65
99	Vibrational state controlled bond cleavage in the photodissociation of isocyanic acid (HNCO). Journal of Chemical Physics, 1995, 102, 8440-8447.	3.1	64
100	A topâ€down analysis of emissions from selected Texas power plants during TexAQS 2000 and 2006. Journal of Geophysical Research, 2010, 115, .	3.3	62
101	Transition from high- to low-NOx control of night-time oxidation in the southeastern US. Nature Geoscience, 2017, 10, 490-495.	11.9	62
102	A comparison of observations and model simulations of NOx/NOyin the lower stratosphere. Geophysical Research Letters, 1999, 26, 1153-1156.	4.0	61
103	Instrumentation and measurement strategy for the NOAA SENEX aircraft campaign as part of the Southeast Atmosphere Study 2013. Atmospheric Measurement Techniques, 2016, 9, 3063-3093.	3.1	60
104	Secondary organic aerosol formation from in situ OH, O₃, and NO₃ oxidation of ambient forest air in an oxidation flow reactor. Atmospheric Chemistry and Physics, 2017, 17, 5331-5354.	5.0	60
105	Investigation of secondary formation of formic acid: urban environment vs. oil and gas producing region. Atmospheric Chemistry and Physics, 2015, 15, 1975-1993.	5.0	59
106	Large contribution of biomass burning emissions to ozone throughout the global remote troposphere. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.6	58
107	The sea breeze/land breeze circulation in Los Angeles and its influence on nitryl chloride production in this region. Journal of Geophysical Research, 2012, 117, .	3.3	57
108	Ozone chemistry in western U.S. wildfire plumes. Science Advances, 2021, 7, eabl3648.	10.9	57

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109	Reassessing the ratio of glyoxal to formaldehyde as an indicator of hydrocarbon precursor speciation. Atmospheric Chemistry and Physics, 2015, 15, 7571-7583.	5.0	56
110	Nitrogen Oxides Emissions, Chemistry, Deposition, and Export Over the Northeast United States During the WINTER Aircraft Campaign. Journal of Geophysical Research D: Atmospheres, 2018, 123, 12,368.	3.3	56
111	The HNCO heat of formation and the Nâ€“H and Câ€“N bond enthalpies from initial state selected photodissociation. Journal of Chemical Physics, 1996, 105, 8103-8110.	3.1	55
112	Testing Atmospheric Oxidation in an Alabama Forest. Journals of the Atmospheric Sciences, 2016, 73, 4699-4710.	1.8	55
113	Modeling the weekly cycle of NO_x and CO emissions and their impacts on O₃ in the Los Angelesâ€South Coast Air Basin during the CalNex 2010 field campaign. Journal of Geophysical Research D: Atmospheres, 2016, 121, 1340-1360.	3.3	54
114	Modeling the impact of ClNO₂ on ozone formation in the Houston area. Journal of Geophysical Research, 2009, 114, .	3.3	53
115	Biogenic VOC oxidation and organic aerosol formation in an urban nocturnal boundary layer: aircraft vertical profiles in Houston, TX. Atmospheric Chemistry and Physics, 2013, 13, 11317-11337.	5.0	53
116	Secondary organic aerosol (SOA) yields from NO₃ radical + isoprene based on nighttime aircraft power plant plume transects. Atmospheric Chemistry and Physics, 2018, 18, 11663-11682.	5.0	53
117	NO_x Lifetime and NO_y Partitioning During WINTER. Journal of Geophysical Research D: Atmospheres, 2018, 123, 9813-9827.	3.3	53
118	Observational constraints on glyoxal production from isoprene oxidation and its contribution to organic aerosol over the Southeast United States. Journal of Geophysical Research D: Atmospheres, 2016, 121, 9849-9861.	3.3	51
119	Intercomparison of NO₃ radical detection instruments in the atmosphere simulation chamber SAPHIR. Atmospheric Measurement Techniques, 2013, 6, 1111-1140.	3.1	49
120	HONO emission and production determined from airborne measurements over the Southeast U.S.. Journal of Geophysical Research D: Atmospheres, 2016, 121, 9237-9250.	3.3	49
121	The nitrogen budget of laboratory-simulated western US wildfires during the FIREX 2016 Fire Lab study. Atmospheric Chemistry and Physics, 2020, 20, 8807-8826.	5.0	48
122	Reaction of Hydroxyl Radical with Nitric Acid:Â Insights into Its Mechanismâ€. Journal of Physical Chemistry A, 2001, 105, 1605-1614.	2.6	47
123	Broadband cavity-enhanced absorption spectroscopy in the ultraviolet spectral region for measurements of nitrogen dioxide and formaldehyde. Atmospheric Measurement Techniques, 2016, 9, 41-52.	3.1	47
124	Optical Properties of Secondary Organic Aerosol Produced by Nitrate Radical Oxidation of Biogenic Volatile Organic Compounds. Environmental Science & Technology, 2021, 55, 2878-2889.	10.5	47
125	Nonadiabatic effects in the photodissociation of vibrationally excited HNCO: The branching between singlet (aâ€‰1Î") and triplet (Xâ€‰3Î£â^') NH. Journal of Chemical Physics, 1998, 109, 2257-2263.	3.1	46
126	Role of nitrogen oxides in the stratosphere: A reevaluation based on laboratory studies. Geophysical Research Letters, 1999, 26, 2387-2390.	4.0	46

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127	Evolution of the Complex Refractive Index of Secondary Organic Aerosols during Atmospheric Aging. Environmental Science & Technology, 2018, 52, 3456-3465.	10.5	46
128	Measurement of NO₃ and N₂O₅ in a Residential Kitchen. Environmental Science and Technology Letters, 2018, 5, 595-599.	8.8	45
129	Observation of daytime N2 O5 in the marine boundary layer during New England Air Quality Study-Intercontinental Transport and Chemical Transformation 2004. Journal of Geophysical Research, 2006, 111, .	3.3	44
130	Emissions of Glyoxal and Other Carbonyl Compounds from Agricultural Biomass Burning Plumes Sampled by Aircraft. Environmental Science & Technology, 2017, 51, 11761-11770.	10.5	44
131	Observations of VOC emissions and photochemical products over US oil- and gas-producing regions using high-resolution H₃O⁺ CIMS (PTR-ToF-MS). Atmospheric Measurement Techniques, 2017, 10, 2941-2968.	3.1	44
132	Flight Deployment of a Highâ€Resolution Timeâ€ofâ€Flight Chemical Ionization Mass Spectrometer: Observations of Reactive Halogen and Nitrogen Oxide Species. Journal of Geophysical Research D: Atmospheres, 2018, 123, 7670-7686.	3.3	41
133	Heterogeneous N₂O₅ reactions on atmospheric aerosols at four Chinese sites: improving model representation of uptake parameters. Atmospheric Chemistry and Physics, 2020, 20, 4367-4378.	5.0	41
134	Nighttime and daytime dark oxidation chemistry in wildfire plumes: an observation and model analysis of FIREX-AQ aircraft data. Atmospheric Chemistry and Physics, 2021, 21, 16293-16317.	5.0	40
135	Experimental absolute intensities of the 4Î½9 and 5Î½9 Oâ€“H stretching overtones of H2SO4. Chemical Physics Letters, 2006, 420, 438-442.	2.7	39
136	Absolute ozone absorption cross section in the Huggins Chappuis minimum (350â€“470 nm) at 296 K. Atmospheric Chemistry and Physics, 2011, 11, 11581-11590.	5.0	39
137	Variability and Time of Day Dependence of Ozone Photochemistry in Western Wildfire Plumes. Environmental Science & Technology, 2021, 55, 10280-10290.	10.5	39
138	Spatial and diurnal variability in reactive nitrogen oxide chemistry as reflected in the isotopic composition of atmospheric nitrate: Results from the CalNex 2010 field study. Journal of Geophysical Research D: Atmospheres, 2013, 118, 10,567.	3.3	37
139	Peroxynitric acid (HO₂NO₂) measurements during the UBWOS 2013 and 2014 studies using iodide ion chemical ionization mass spectrometry. Atmospheric Chemistry and Physics, 2015, 15, 8101-8114.	5.0	37
140	Evaluating N₂O₅ heterogeneous hydrolysis parameterizations for CalNex 2010. Journal of Geophysical Research D: Atmospheres, 2016, 121, 5051-5070.	3.3	37
141	Southeast Atmosphere Studies: learning from model-observation syntheses. Atmospheric Chemistry and Physics, 2018, 18, 2615-2651.	5.0	37
142	Topâ€Down Estimates of NO_x and CO Emissions From Washington, D.C.â€Baltimore During the WINTER Campaign. Journal of Geophysical Research D: Atmospheres, 2018, 123, 7705-7724.	3.3	37
143	On the contribution of nocturnal heterogeneous reactive nitrogen chemistry to particulate matter formation during wintertime pollution events in Northern Utah. Atmospheric Chemistry and Physics, 2019, 19, 9287-9308.	5.0	36
144	Increased night-time oxidation over China despite widespread decrease across the globe. Nature Geoscience, 2023, 16, 217-223.	11.9	36

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145	WRF-Chem simulation of NOx and O3 in the L.A. basin during CalNex-2010. Atmospheric Environment, 2013, 81, 421-432.	4.2	35
146	Airborne and ground-based observations of ammonium-nitrate-dominated aerosols in a shallow boundary layer during intense winter pollution episodes in northern Utah. Atmospheric Chemistry and Physics, 2018, 18, 17259-17276.	5.0	35
147	Airborne Observations of Reactive Inorganic Chlorine and Bromine Species in the Exhaust of Coalâ€Fired Power Plants. Journal of Geophysical Research D: Atmospheres, 2018, 123, 11225-11237.	3.3	35
148	Influence of nitrate radical on the oxidation of dimethyl sulfide in a polluted marine environment. Journal of Geophysical Research, 2007, 112, .	3.3	34
149	Cavity-Enhanced Measurements of Hydrogen Peroxide Absorption Cross Sections from 353 to 410 nm. Journal of Physical Chemistry A, 2012, 116, 5941-5947.	2.6	34
150	Biomass Burning Markers and Residential Burning in the WINTER Aircraft Campaign. Journal of Geophysical Research D: Atmospheres, 2019, 124, 1846-1861.	3.3	34
151	Laboratory Insights into the Diel Cycle of Optical and Chemical Transformations of Biomass Burning Brown Carbon Aerosols. Environmental Science & Technology, 2020, 54, 11827-11837.	10.5	34
152	Radicals in the marine boundary layer during NEAQS 2004: a model study of day-time and night-time sources and sinks. Atmospheric Chemistry and Physics, 2009, 9, 3075-3093.	5.0	33
153	Photochemical aging of volatile organic compounds associated with oil and natural gas extraction in the Uintah Basin, UT, during a wintertime ozone formation event. Atmospheric Chemistry and Physics, 2015, 15, 5727-5741.	5.0	33
154	On the sources and sinks of atmospheric VOCs: an integrated analysis of recent aircraft campaigns over North America. Atmospheric Chemistry and Physics, 2019, 19, 9097-9123.	5.0	33
155	ClNO₂ Yields From Aircraft Measurements During the 2015 WINTER Campaign and Critical Evaluation of the Current Parameterization. Journal of Geophysical Research D: Atmospheres, 2018, 123, 12,994.	3.3	32
156	Fire Influence on Regional to Global Environments and Air Quality (FIREXâ€AQ). Journal of Geophysical Research D: Atmospheres, 2023, 128, .	3.3	32
157	City lights and urban air. Nature Geoscience, 2011, 4, 730-731.	11.9	30
158	Isotopic characterization of nitrogen oxides (NO_{<i>x</i>}), nitrous acid (HONO), and nitrate (<i>p</i>NO₃^{â^'}) from laboratory biomass burning during FIREX. Atmospheric Measurement Techniques, 2019, 12, 6303-6317.	3.1	30
159	Anthropogenic Control Over Wintertime Oxidation of Atmospheric Pollutants. Geophysical Research Letters, 2019, 46, 14826-14835.	4.0	30
160	A simple model of the HNCO (1Aâ€²) excited state potential energy surface and a classical trajectory analysis of the vibrationally directed bondâ€selected photodissociation. Journal of Chemical Physics, 1996, 105, 10911-10918.	3.1	29
161	Molecular composition and volatility of multi-generation products formed from isoprene oxidation by nitrate radical. Atmospheric Chemistry and Physics, 2021, 21, 10799-10824.	5.0	29
162	Formaldehyde evolution in US wildfire plumes during the Fire Influence on Regional to Global Environments and Air Quality experiment (FIREX-AQ). Atmospheric Chemistry and Physics, 2021, 21, 18319-18331.	5.0	29

#	Article	IF	Citations
163	Ozone distributions over southern Lake Michigan: comparisons between ferry-based observations, shoreline-based DOAS observations and model forecasts. Atmospheric Chemistry and Physics, 2015, 15, 5109-5122.	5.0	28
164	An Atmospheric Constraint on the NO₂ Dependence of Daytime Near-Surface Nitrous Acid (HONO). Environmental Science & Technology, 2015, 49, 12774-12781.	10.5	28
165	Widespread Pollution From Secondary Sources of Organic Aerosols During Winter in the Northeastern United States. Geophysical Research Letters, 2019, 46, 2974-2983.	4.0	28
166	Theoretical and experimental study of peroxy and alkoxy radicals in the NO₃-initiated oxidation of isoprene. Physical Chemistry Chemical Physics, 2021, 23, 5496-5515.	2.9	28
167	Cavity enhanced spectroscopy for measurement of nitrogen oxides in the Anthropocene: results from the Seoul tower during MAPS 2015. Faraday Discussions, 2017, 200, 529-557.	3.7	27
168	HCO Quantum Yields in the Photolysis of HC(O)C(O)H (Glyoxal) between 290 and 420 nm. Journal of Physical Chemistry A, 2009, 113, 7784-7794.	2.6	26
169	Reactive nitrogen partitioning and its relationship to winter ozone events in Utah. Atmospheric Chemistry and Physics, 2016, 16, 573-583.	5.0	25
170	Quantifying Methane and Ozone Precursor Emissions from Oil and Gas Production Regions across the Contiguous US. Environmental Science & Technology, 2021, 55, 9129-9139.	10.5	25
171	Absorption cross sections for the Ãƒ2Aâ€³ (0,90,0) â†•XÌƒ2Aâ€² (0,01,0) band of the HCO radical. Physical Chemistry Chemical Physics, 2006, 8, 3636-3642.	2.9	23
172	Wintertime Gasâ€Particle Partitioning and Speciation of Inorganic Chlorine in the Lower Troposphere Over the Northeast United States and Coastal Ocean. Journal of Geophysical Research D: Atmospheres, 2018, 123, 12,897.	3.3	23
173	Influence of Wildfire on Urban Ozone: An Observationally Constrained Box Modeling Study at a Site in the Colorado Front Range. Environmental Science & Technology, 2023, 57, 1257-1267.	10.5	23
174	Raman spectroscopy of the Î½1 Nâ€“H stretch fundamental in isocyanic acid (HNCO): State mixing probed by photoacoustic spectroscopy and by photodissociation of vibrationally excited states. Journal of Chemical Physics, 1997, 106, 5805-5815.	3.1	22
175	Kinetics of the Removal of OH(v= 1) and OD(v= 1) by HNO3and DNO3from 253 to 383 K. Journal of Physical Chemistry A, 2003, 107, 7762-7769.	2.6	22
176	Kinetics of the Reactions of NO3 Radical with Methacrylate Esters. Journal of Physical Chemistry A, 2017, 121, 4464-4474.	2.6	22
177	Comparison of N₂O₅ mixing ratios during NO3Comp 2007 in SAPHIR. Atmospheric Measurement Techniques, 2012, 5, 2763-2777.	3.1	21
178	Quantifying TOLNet ozone lidar accuracy during the 2014 DISCOVER-AQ and FRAPPÃ‰ campaigns. Atmospheric Measurement Techniques, 2017, 10, 3865-3876.	3.1	21
179	Sulfate and Carboxylate Suppress the Formation of ClNO₂ at Atmospheric Interfaces. ACS Earth and Space Chemistry, 2019, 3, 1987-1997.	2.8	21
180	A broadband cavity-enhanced spectrometer for atmospheric trace gas measurements and Rayleigh scattering cross sections in the cyan region (470â€“540â€‰nm). Atmospheric Measurement Techniques, 2019, 12, 1277-1293.	3.1	21

#	Article	IF	Citations
181	Effects of NO_xcontrol and plume mixing on nighttime chemical processing of plumes from coalâ€fired power plants. Journal of Geophysical Research, 2012, 117, .	3.3	20
182	Observational Constraints on the Formation of Cl₂ From the Reactive Uptake of ClNO₂ on Aerosols in the Polluted Marine Boundary Layer. Journal of Geophysical Research D: Atmospheres, 2019, 124, 8851-8869.	3.3	20
183	Single-photon laser-induced fluorescence detection of nitric oxide at sub-parts-per-trillion mixing ratios. Atmospheric Measurement Techniques, 2020, 13, 2425-2439.	3.1	20
184	Raman spectroscopy of the Nâ€“Câ€“O symmetric (Î½3) and antisymmetric (Î½2) stretch fundamentals in HNCO. Journal of Chemical Physics, 1997, 107, 9764-9771.	3.1	19
185	Higher measured than modeled ozone production at increased NO_{<i>x</i>} levels in the Colorado Front Range. Atmospheric Chemistry and Physics, 2017, 17, 11273-11292.	5.0	19
186	Evaluation of the accuracy of thermal dissociation CRDS and LIF techniques for atmospheric measurement of reactive nitrogen species. Atmospheric Measurement Techniques, 2017, 10, 1911-1926.	3.1	19
187	Gas-Particle Partitioning and SOA Yields of Organonitrate Products from NO₃-Initiated Oxidation of Isoprene under Varied Chemical Regimes. ACS Earth and Space Chemistry, 2021, 5, 785-800.	2.8	19
188	Comparison of airborne measurements of NO, NO₂, HONO, NO_y, and CO during FIREX-AQ. Atmospheric Measurement Techniques, 2022, 15, 4901-4930.	3.1	19
189	Initial state resolved electronic spectroscopy of HNCO: Stimulated Raman preparation of initial states and laser induced fluorescence detection of photofragments. Journal of Chemical Physics, 1997, 107, 8985-8993.	3.1	18
190	Vertically resolved chemical characteristics and sources of submicron aerosols measured on a Tall Tower in a suburban area near Denver, Colorado in winter. Journal of Geophysical Research D: Atmospheres, 2013, 118, 13,591.	3.3	18
191	Regional variation of the dimethyl sulfide oxidation mechanism in the summertime marine boundary layer in the Gulf of Maine. Journal of Geophysical Research, 2009, 114, .	3.3	17
192	Cavity ring-down spectroscopy sensor for detection of hydrogen chloride. Atmospheric Measurement Techniques, 2014, 7, 345-357.	3.1	17
193	Role of Criegee Intermediates in Secondary Sulfate Aerosol Formation in Nocturnal Power Plant Plumes in the Southeast US. ACS Earth and Space Chemistry, 2019, 3, 748-759.	2.8	17
194	Airborne measurements of the atmospheric emissions from a fuel ethanol refinery. Journal of Geophysical Research D: Atmospheres, 2015, 120, 4385-4397.	3.3	16
195	Wintertime spatial distribution of ammonia and its emission sources in the Great Salt Lake region. Atmospheric Chemistry and Physics, 2019, 19, 15691-15709.	5.0	16
196	Characterizing sources of high surface ozone events in the southwestern US with intensive field measurements and two global models. Atmospheric Chemistry and Physics, 2020, 20, 10379-10400.	5.0	16
197	Novel Analysis to Quantify Plume Crosswind Heterogeneity Applied to Biomass Burning Smoke. Environmental Science & Technology, 2021, 55, 15646-15657.	10.5	16
198	Overtone spectroscopy of the hydroxyl stretch vibration in hydroxylamine (NH2OH). Journal of Chemical Physics, 1995, 102, 675-679.	3.1	15

#	Article	IF	Citations
199	Particulate organic nitrates observed in an oil and natural gas production region during wintertime. Atmospheric Chemistry and Physics, 2015, 15, 9313-9325.	5.0	15
200	Wintertime Overnight NO_x Removal in a Southeastern United States Coalâ€fired Power Plant Plume: A Model for Understanding Winter NO_x Processing and its Implications. Journal of Geophysical Research D: Atmospheres, 2018, 123, 1412-1425.	3.3	15
201	Rates of Wintertime Atmospheric SO₂ Oxidation based on Aircraft Observations during Clearâ€Sky Conditions over the Eastern United States. Journal of Geophysical Research D: Atmospheres, 2019, 124, 6630-6649.	3.3	14
202	Evolution of NO₃ reactivity during the oxidation of isoprene. Atmospheric Chemistry and Physics, 2020, 20, 10459-10475.	5.0	14
203	Ozone production in remote oceanic and industrial areas derived from ship based measurements of peroxy radicals during TexAQS 2006. Atmospheric Chemistry and Physics, 2011, 11, 2471-2485.	5.0	13
204	Scattering and absorption cross sections of atmospheric gases in the ultravioletâ€“visible wavelength range (307â€“725â€‰nm). Atmospheric Chemistry and Physics, 2021, 21, 14927-14940.	5.0	13
205	Complexity in the Evolution, Composition, and Spectroscopy of Brown Carbon in Aircraft Measurements of Wildfire Plumes. Geophysical Research Letters, 2022, 49, .	4.0	13
206	A Four Carbon Organonitrate as a Significant Product of Secondary Isoprene Chemistry. Geophysical Research Letters, 2022, 49, .	4.0	13
207	Temperature-dependent sensitivity of iodide chemical ionization mass spectrometers. Atmospheric Measurement Techniques, 2022, 15, 4295-4305.	3.1	13
208	Secondary Organic Aerosol Mass Yields from NO₃ Oxidation of Î±-Pinene and Î”-Carene: Effect of RO₂ Radical Fate. Journal of Physical Chemistry A, 2022, 126, 7309-7330.	2.6	13
209	Overtone Dissociation of Peroxynitric Acid (HO₂NO₂): Absorption Cross Sections and Photolysis Products. Journal of Physical Chemistry A, 2008, 112, 9296-9303.	2.6	12
210	Kinetics of the reactions of NO₃ radical with alkanes. Physical Chemistry Chemical Physics, 2019, 21, 4246-4257.	2.9	12
211	Modelled and measured concentrations of peroxy radicals and nitrate radical in the U.S. Gulf Coast region during TexAQS 2006. Journal of Atmospheric Chemistry, 2011, 68, 331-362.	3.2	11
212	Complex refractive indices in the ultraviolet and visible spectral region for highly absorbing non-spherical biomass burning aerosol. Atmospheric Chemistry and Physics, 2021, 21, 7235-7252.	5.0	11
213	Hydrocarbon Removal in Power Plant Plumes Shows Nitrogen Oxide Dependence of Hydroxyl Radicals. Geophysical Research Letters, 2019, 46, 7752-7760.	4.0	10
214	Simulating the Weekly Cycle of NO_xâ€VOCâ€HO_xâ€O₃ Photochemical System in the South Coast of California During CalNexâ€2010 Campaign. Journal of Geophysical Research D: Atmospheres, 2019, 124, 3532-3555.	3.3	10
215	Wintertime Formaldehyde: Airborne Observations and Source Apportionment Over the Eastern United States. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033518.	3.3	10
216	The role of coarse aerosol particles as a sink of HNO₃ in wintertime pollution events in the Salt Lake Valley. Atmospheric Chemistry and Physics, 2021, 21, 8111-8126.	5.0	10

#	Article	IF	Citations
217	The <i>Fires, Asian, and Stratospheric Transport</i>â€“Las Vegas Ozone Study (<i>FAST</i>-LVOS). Atmospheric Chemistry and Physics, 2022, 22, 1707-1737.	5.0	10
218	The Potential Role of Criegee Intermediates in Nighttime Atmospheric Chemistry. A Modeling Study. ACS Earth and Space Chemistry, 2017, 1, 288-298.	2.8	9
219	Reactions of NO₃ with aromatic aldehydes: gas-phase kinetics and insights into the mechanism of the reaction. Atmospheric Chemistry and Physics, 2021, 21, 13537-13551.	5.0	9
220	Kinetics of O2(1Î£g+) Reaction with H2 and an Upper Limit for OH Production. Journal of Physical Chemistry A, 2002, 106, 8461-8470.	2.6	8
221	Measurements of Total OH Reactivity During CalNexâ€ŁA. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD032988.	3.3	8
222	Midlatitude Ozone Depletion and Air Quality Impacts from Industrial Halogen Emissions in the Great Salt Lake Basin. Environmental Science & Technology, 2023, 57, 1870-1881.	10.5	8
223	Comparison of Airborne Reactive Nitrogen Measurements During WINTER. Journal of Geophysical Research D: Atmospheres, 2019, 124, 10483-10502.	3.3	7
224	Validation of a new cavity ring-down spectrometer for measuring tropospheric gaseous hydrogen chloride. Atmospheric Measurement Techniques, 2021, 14, 5859-5871.	3.1	7
225	Formation and Evolution of Catechol-Derived SOA Mass, Composition, Volatility, and Light Absorption. ACS Earth and Space Chemistry, 2022, 6, 1067-1079.	2.8	7
226	Comparison of isoprene chemical mechanisms under atmospheric night-time conditions in chamber experiments: evidence of hydroperoxy aldehydes and epoxy products from NO₃ oxidation. Atmospheric Chemistry and Physics, 2023, 23, 3147-3180.	5.0	7
227	Nocturnal Atmospheric Oxidative Processes in the Indoâ€Gangetic Plain and Their Variation During the COVIDâ€19 Lockdowns. Geophysical Research Letters, 2022, 49, .	4.0	6
228	Chemical ionization mass spectrometry utilizing ammonium ions (NH₄⁺ CIMS) for measurements of organic compounds in the atmosphere. Atmospheric Measurement Techniques, 2022, 15, 7353-7373.	3.1	6
229	Were Wildfires Responsible for the Unusually High Surface Ozone in Colorado During 2021?. Journal of Geophysical Research D: Atmospheres, 2023, 128, .	3.3	6
230	Atmospheric loss of nitrous oxide (N₂O) is not influenced by its potential reactions with OH and NO₃radicals. Physical Chemistry Chemical Physics, 2019, 21, 24592-24600.	2.9	5
231	Furoyl peroxynitrate (fur-PAN), a product of VOCâ€“NO_xphotochemistry from biomass burning emissions: photochemical synthesis, calibration, chemical characterization, and first atmospheric observations. Environmental Science Atmospheres, 2022, 2, 1087-1100.	2.1	3
232	COVID-19 perturbation on US air quality and human health impact assessment. PNAS Nexus, 2023, 3, .	2.6	3
233	Parameterizations of US wildfire and prescribed fire emission ratios and emission factors based on FIREX-AQ aircraft measurements. Atmospheric Chemistry and Physics, 2024, 24, 929-956.	5.0	3
234	A Novel and Simple Exercise Test Parameter to Assess Responsiveness to Cardiac Resynchronization Therapy. Diagnostics, 2020, 10, 920.	2.8	2

#	Article	IF	Citations
235	Gas Analysers and Laser Techniques. Springer Handbooks, 2021, , 475-508.	0.0	2
236	Reply to Yang etÂal.: Biomass burning is an important tropospheric source of ozone in remote regions of the globe. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.6	2
237	A lightweight broadband cavity-enhanced spectrometer for NO₂ measurement on uncrewed aerial vehicles. Atmospheric Measurement Techniques, 2022, 15, 6643-6652.	3.1	2
238	Using tunable infrared laser direct absorption spectroscopy for ambient hydrogen chloride detection: HCl-TILDAS. Atmospheric Measurement Techniques, 2023, 16, 1407-1429.	3.1	2
239	Measurement of the Fourth Oâ^'H Overtone Absorption Cross Section in Acetic Acid Using Cavity Ring-Down Spectroscopy. Journal of Physical Chemistry A, 2011, 115, 753-761.	2.6	1
240	Cavity Enhanced Spectroscopy: Applications Theory and Instrumentation. , 0, , .		1
241	Atmospheric chemistry and the biosphere: general discussion. Faraday Discussions, 2017, 200, 195-228.	3.7	1
242	The air we breathe: Past, present, and future: general discussion. Faraday Discussions, 2017, 200, 501-527.	3.7	1
243	A new cavity ring-down instrument for airborne monitoring of N2O5, NO3, NO2 and O3 in the upper troposphere lower stratosphere. , 2016, , .		1
244	Sources of Formaldehyde in U.S. Oil and Gas Production Regions. ACS Earth and Space Chemistry, 0, , .	2.8	1
245	Airborne Observations Constrain Heterogeneous Nitrogen and Halogen Chemistry on Tropospheric and Stratospheric Biomass Burning Aerosol. Geophysical Research Letters, 2024, 51, .	4.0	1
246	Emissions and Atmospheric Chemistry of Furanoids from Biomass Burning: Insights from Laboratory to Atmospheric Observations. ACS Earth and Space Chemistry, 2024, 8, 857-899.	2.8	1
247	A better representation of volatile organic compound chemistry in WRF-Chem and its impact on ozone over Los Angeles. Atmospheric Chemistry and Physics, 2024, 24, 5265-5286.	5.0	1
248	Monitoring the tidal Delaware River for ambient toxicity. Integrated Environmental Assessment and Management, 2011, 7, 466-477.	3.2	0
249	Atmospheric chemistry processes: general discussion. Faraday Discussions, 2017, 200, 353-378.	3.7	0
250	New tools for atmospheric chemistry: general discussion. Faraday Discussions, 2017, 200, 663-691.	3.7	0
251	Heterogeneous Atmospheric Chemistry of Nitrogen Oxides: New Insights from Recent Field Measurements. NATO Science for Peace and Security Series C: Environmental Security, 2013, , 125-138.	0.0	0
252	Regimeâ€Dependence of Nocturnal Nitrate Formation via N₂O₅ Hydrolysis and Its Implication for Mitigating Nitrate Pollution. Geophysical Research Letters, 2023, 50, .	4.0	0

#	Article	IF	Citations
253	Characterization of water-soluble brown carbon chromophores from wildfire plumes in the western USA using size-exclusion chromatography. Atmospheric Chemistry and Physics, 2023, 23, 15643-15654.	5.0	0
254	A Case Study Featuring the Time Evolution of a Fireâ€Induced Plume Jet Over the Rum Creek Fire: Mechanisms, Processes, and Dynamical Interplay. Journal of Geophysical Research D: Atmospheres, 2024, 129, .	3.3	0
255	Online Calibration of a Chemical Ionization Mass Spectrometer for Multifunctional Biogenic Organic Nitrates. , 0, , .		0
256	An air quality and boundary layer dynamics analysis of the Los Angeles basin area during the Southwest Urban NO_x and VOCs Experiment (SUNVEx). Atmospheric Chemistry and Physics, 2024, 24, 9277-9307.	5.0	0