

Steven Brown

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1186304/publications.pdf>

Version: 2024-02-01

231
papers

16,346
citations

10351

72
h-index

24915

109
g-index

251
all docs

251
docs citations

251
times ranked

7812
citing authors

#	ARTICLE	IF	CITATIONS
1	A large atomic chlorine source inferred from mid-continental reactive nitrogen chemistry. <i>Nature</i> , 2010, 464, 271-274.	13.7	562
2	High levels of nitryl chloride in the polluted subtropical marine boundary layer. <i>Nature Geoscience</i> , 2008, 1, 324-328.	5.4	403
3	Nighttime radical observations and chemistry. <i>Chemical Society Reviews</i> , 2012, 41, 6405.	18.7	388
4	Variability in Nocturnal Nitrogen Oxide Processing and Its Role in Regional Air Quality. <i>Science</i> , 2006, 311, 67-70.	6.0	345
5	Tropospheric Halogen Chemistry: Sources, Cycling, and Impacts. <i>Chemical Reviews</i> , 2015, 115, 4035-4062.	23.0	344
6	Nitrate radicals and biogenic volatile organic compounds: oxidation, mechanisms, and organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 2103-2162.	1.9	307
7	Organic nitrate and secondary organic aerosol yield from NO ₂ oxidation of α -pinene evaluated using a gas-phase kinetics/aerosol partitioning model. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 1431-1449.	1.9	277
8	Highly functionalized organic nitrates in the southeast United States: Contribution to secondary organic aerosol and reactive nitrogen budgets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1516-1521.	3.3	269
9	High winter ozone pollution from carbonyl photolysis in an oil and gas basin. <i>Nature</i> , 2014, 514, 351-354.	13.7	265
10	Non-methane organic gas emissions from biomass burning: identification, quantification, and emission factors from PTR-ToF during the FIREX 2016 laboratory experiment. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 3299-3319.	1.9	233
11	Heterogeneous Atmospheric Chemistry, Ambient Measurements, and Model Calculations of N ₂ O ₅ : A Review. <i>Aerosol Science and Technology</i> , 2011, 45, 665-695.	1.5	212
12	Biomass burning dominates brown carbon absorption in the rural southeastern United States. <i>Geophysical Research Letters</i> , 2015, 42, 653-664.	1.5	212
13	Absorption Spectroscopy in High-Finesse Cavities for Atmospheric Studies. <i>Chemical Reviews</i> , 2003, 103, 5219-5238.	23.0	211
14	Isoprene oxidation by nitrate radical: alkyl nitrate and secondary organic aerosol yields. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 6685-6703.	1.9	208
15	Atmospheric fates of Criegee intermediates in the ozonolysis of isoprene. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 10241-10254.	1.3	179
16	Secondary Organic Aerosol Formation and Organic Nitrate Yield from NO ₃ Oxidation of Biogenic Hydrocarbons. <i>Environmental Science & Technology</i> , 2014, 48, 11944-11953.	4.6	178
17	Nitryl Chloride and Molecular Chlorine in the Coastal Marine Boundary Layer. <i>Environmental Science & Technology</i> , 2012, 46, 10463-10470.	4.6	177
18	Fine particle pH and the partitioning of nitric acid during winter in the northeastern United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 10,355.	1.2	176

#	ARTICLE	IF	CITATIONS
19	Measurement of glyoxal using an incoherent broadband cavity enhanced absorption spectrometer. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 7779-7793.	1.9	159
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. <i>Atmospheric Measurement Techniques</i> , 2010, 3, 981-990.	1.2	152
21	Measurement of aerosol optical extinction at with pulsed cavity ring down spectroscopy. <i>Journal of Aerosol Science</i> , 2004, 35, 995-1011.	1.8	151
22	Observations of gas- and aerosol-phase organic nitrates at BEACHON-RoMBAS 2011. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 8585-8605.	1.9	150
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. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	144
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 CO ₂ and their impacts. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 3661-3677.	1.9	142
25	Simultaneous in situ detection of atmospheric NO ₃ and N ₂ O ₅ via cavity ring-down spectroscopy. <i>Review of Scientific Instruments</i> , 2002, 73, 3291-3301.	0.6	134
26	Aircraft instrument for simultaneous, in situ measurement of NO ₃ and N ₂ O ₅ via pulsed cavity ring-down spectroscopy. <i>Review of Scientific Instruments</i> , 2006, 77, 034101.	0.6	133
27	N ₂ O ₅ Oxidizes Chloride to Cl ₂ in Acidic Atmospheric Aerosol. <i>Science</i> , 2008, 321, 1059-1059.	6.0	130
28	Nocturnal isoprene oxidation over the Northeast United States in summer and its impact on reactive nitrogen partitioning and secondary organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 3027-3042.	1.9	128
29	Nighttime removal of NO _x in the summer marine boundary layer. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	127
30	Vertically Resolved Measurements of Nighttime Radical Reservoirs in Los Angeles and Their Contribution to the Urban Radical Budget. <i>Environmental Science & Technology</i> , 2012, 46, 10965-10973.	4.6	127
31	A Sensitive and Versatile Detector for Atmospheric NO ₂ and NO _x Based on Blue Diode Laser Cavity Ring-Down Spectroscopy. <i>Environmental Science & Technology</i> , 2009, 43, 7831-7836.	4.6	124
32	Reactive uptake coefficients for N ₂ O ₅ determined from aircraft measurements during the Second Texas Air Quality Study: Comparison to current model parameterizations. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	124
33	Organic nitrate aerosol formation via NO ₃ + biogenic volatile organic compounds in the southeastern United States. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 13377-13392.	1.9	124
34	SOA from limonene: role of NO ₃ in its generation and degradation. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 3879-3894.	1.9	123
35	High resolution vertical distributions of NO ₃ and N ₂ O ₅ through the nocturnal boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 139-149.	1.9	119
36	Observations of nitryl chloride and modeling its source and effect on ozone in the planetary boundary layer of southern China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 2476-2489.	1.2	118

#	ARTICLE	IF	CITATIONS
37	Chemical feedbacks weaken the wintertime response of particulate sulfate and nitrate to emissions reductions over the eastern United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8110-8115.	3.3	118
38	Global airborne sampling reveals a previously unobserved dimethyl sulfide oxidation mechanism in the marine atmosphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4505-4510.	3.3	118
39	Diode laser-based cavity ring-down instrument for NO ₂ , N ₂ O ₅ , NO, NO ₃ , and O ₃ from aircraft. <i>Atmospheric Measurement Techniques</i> , 2011, 4, 1227-1240.	1.2	113
40	Reconsideration of the Rate Constant for the Reaction of Hydroxyl Radicals with Nitric Acid. <i>Journal of Physical Chemistry A</i> , 1999, 103, 3031-3037.	1.1	111
41	Understanding the role of the ground surface in HONO vertical structure: High resolution vertical profiles during NACHTT1. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 10,155.	1.2	111
42	Applicability of the steady state approximation to the interpretation of atmospheric observations of NO ₃ and N ₂ O ₅ . <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	110
43	Rate constants for the reaction OH+NO ₂ +M → HNO ₃ +M under atmospheric conditions. <i>Chemical Physics Letters</i> , 1999, 299, 277-284.	1.2	109
44	Laboratory studies of products of N ₂ O ₅ uptake on Cl ⁻ containing substrates. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	107
45	Nitrogen oxides in the nocturnal boundary layer: Simultaneous in situ measurements of NO ₃ , N ₂ O ₅ , NO ₂ , NO, and O ₃ . <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	105
46	Broadband measurements of aerosol extinction in the ultraviolet spectral region. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 861-877.	1.2	105
47	Heterogeneous N ₂ O ₅ Uptake During Winter: Aircraft Measurements During the 2015 WINTER Campaign and Critical Evaluation of Current Parameterizations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 4345-4372.	1.2	103
48	Volatile chemical product emissions enhance ozone and modulate urban chemistry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	103
49	High- and low-temperature pyrolysis profiles describe volatile organic compound emissions from western US wildfire fuels. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 9263-9281.	1.9	102
50	Design and Application of a Pulsed Cavity Ring-Down Aerosol Extinction Spectrometer for Field Measurements. <i>Aerosol Science and Technology</i> , 2007, 41, 447-462.	1.5	101
51	Ozone photochemistry in an oil and natural gas extraction region during winter: simulations of a snow-free season in the Uintah Basin, Utah. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 8955-8971.	1.9	100
52	Reactivity and loss mechanisms of NO ₃ and N ₂ O ₅ in a polluted marine environment: Results from in situ measurements during New England Air Quality Study 2002. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	99
53	The glyoxal budget and its contribution to organic aerosol for Los Angeles, California, during CalNex 2010. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	99
54	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

#	ARTICLE	IF	CITATIONS
55	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. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10977-10988.	1.9	98
56	Airborne and ground-based observations of a weekend effect in ozone, precursors, and oxidation products in the California South Coast Air Basin. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	97
57	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
58	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
59	Chlorine activation within urban or power plant plumes: Vertically resolved ClNO ₂ and Cl ₂ measurements from a tall tower in a polluted continental setting. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 8702-8715.	1.2	94
60	The global impacts of COVID-19 lockdowns on urban air pollution. <i>Elementa</i> , 2021, 9, .	1.1	94
61	A broadband cavity enhanced absorption spectrometer for aircraft measurements of glyoxal, methylglyoxal, nitrous acid, nitrogen dioxide, and water vapor. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 423-440.	1.2	93
62	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. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 14875-14899.	1.9	92
63	Contribution of human-related sources to indoor volatile organic compounds in a university classroom. <i>Indoor Air</i> , 2016, 26, 925-938.	2.0	91
64	Chlorine as a primary radical: evaluation of methods to understand its role in initiation of oxidative cycles. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 3427-3440.	1.9	90
65	Nocturnal loss and daytime source of nitrous acid through reactive uptake and displacement. <i>Nature Geoscience</i> , 2015, 8, 55-60.	5.4	89
66	N ₂ O ₅ uptake coefficients and nocturnal NO ₂ removal rates determined from ambient wintertime measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 9331-9350.	1.2	87
67	An MCM modeling study of nitril chloride (ClNO ₂) impacts on oxidation, ozone production and nitrogen oxide partitioning in polluted continental outflow. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 3789-3800.	1.9	87
68	In-situ measurement of atmospheric NO ₃ and N ₂ O ₅ via cavity ring-down spectroscopy. <i>Geophysical Research Letters</i> , 2001, 28, 3227-3230.	1.5	86
69	Influence of oil and gas emissions on summertime ozone in the Colorado Northern Front Range. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 8712-8729.	1.2	86
70	Secondary formation of nitrated phenols: insights from observations during the Uintah Basin Winter Ozone Study (UBWOS) 2014. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 2139-2153.	1.9	85
71	Reactive nitrogen transport and photochemistry in urban plumes over the North Atlantic Ocean. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	83
72	Measurements of hydroxyl and hydroperoxy radicals during CalNex-LA: Model comparisons and radical budgets. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 4211-4232.	1.2	81

#	ARTICLE	IF	CITATIONS
73	Determination of Inlet Transmission and Conversion Efficiencies for in Situ Measurements of the Nocturnal Nitrogen Oxides, NO ₃ , N ₂ O ₅ and NO ₂ , via Pulsed Cavity Ring-Down Spectroscopy. <i>Analytical Chemistry</i> , 2008, 80, 6010-6017.	3.2	80
74	An Odd Oxygen Framework for Wintertime Ammonium Nitrate Aerosol Pollution in Urban Areas: NO _x and VOC Control as Mitigation Strategies. <i>Geophysical Research Letters</i> , 2019, 46, 4971-4979.	1.5	80
75	Nighttime chemistry at a high altitude site above Hong Kong. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 2457-2475.	1.2	78
76	Coupling between Chemical and Meteorological Processes under Persistent Cold-Air Pool Conditions: Evolution of Wintertime PM _{2.5} Pollution Events and N ₂ O ₅ Observations in Utah's Salt Lake Valley. <i>Environmental Science & Technology</i> , 2017, 51, 5941-5950.	4.6	78
77	Intercomparison of measurements of NO ₂ concentrations in the atmosphere simulation chamber SAPHIR during the NO ₃ Comp campaign. <i>Atmospheric Measurement Techniques</i> , 2010, 3, 21-37.	1.2	77
78	Trends in sulfate and organic aerosol mass in the Southeast U.S.: Impact on aerosol optical depth and radiative forcing. <i>Geophysical Research Letters</i> , 2014, 41, 7701-7709.	1.5	77
79	Nocturnal odd-oxygen budget and its implications for ozone loss in the lower troposphere. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	75
80	Vertical profiles in NO ₃ and N ₂ O ₅ measured from an aircraft: Results from the NOAA P ₃ and surface platforms during the New England Air Quality Study 2004. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	75
81	A Measurement of Total Reactive Nitrogen, NO _y , together with NO ₂ , NO, and O ₃ via Cavity Ring-down Spectroscopy. <i>Environmental Science & Technology</i> , 2014, 48, 9609-9615.	4.6	75
82	The lifetime of nitrogen oxides in an isoprene-dominated forest. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 7623-7637.	1.9	75
83	Simultaneous Kinetics and Ring-down: Rate Coefficients from Single Cavity Loss Temporal Profiles. <i>Journal of Physical Chemistry A</i> , 2000, 104, 7044-7052.	1.1	74
84	Glyoxal yield from isoprene oxidation and relation to formaldehyde: chemical mechanism, constraints from SENEX aircraft observations, and interpretation of OMI satellite data. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 8725-8738.	1.9	72
85	Absolute Intensities for Third and Fourth Overtone Absorptions in HNO ₃ and H ₂ O ₂ Measured by Cavity Ring Down Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2000, 104, 4976-4983.	1.1	71
86	Sources and Secondary Production of Organic Aerosols in the Northeastern United States during WINTER. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 7771-7796.	1.2	71
87	Aircraft observations of daytime NO ₃ and N ₂ O ₅ and their implications for tropospheric chemistry. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 176, 270-278.	2.0	70
88	Measurement of atmospheric NO ₂ by pulsed cavity ring-down spectroscopy. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	68
89	Temperature dependence of the NO ₃ absorption cross-section above 298 K and determination of the equilibrium constant for NO ₃ + NO ₂ ⇌ N ₂ O ₅ at atmospherically relevant conditions. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 5785.	1.3	68
90	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. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 8067-8085.	1.2	68

#	ARTICLE	IF	CITATIONS
91	Nighttime Chemical Transformation in Biomass Burning Plumes: A Box Model Analysis Initialized with Aircraft Observations. <i>Environmental Science & Technology</i> , 2019, 53, 2529-2538.	4.6	68
92	No Evidence for a Significant Impact of Heterogeneous Chemistry on Radical Concentrations in the North China Plain in Summer 2014. <i>Environmental Science & Technology</i> , 2020, 54, 5973-5979.	4.6	67
93	The primary and recycling sources of OH during the NACHTTâ€2011 campaign: HONO as an important OH primary source in the wintertime. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 6886-6896.	1.2	66
94	Vibrationally mediated photodissociation of isocyanic acid (HNCO): Preferential Nâ€H bond fission by excitation of the reaction coordinate. <i>Journal of Chemical Physics</i> , 1996, 105, 6293-6303.	1.2	65
95	Budgets for nocturnal VOC oxidation by nitrate radicals aloft during the 2006 Texas Air Quality Study. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	63
96	Measurement of Atmospheric Ozone by Cavity Ring-down Spectroscopy. <i>Environmental Science & Technology</i> , 2011, 45, 2938-2944.	4.6	63
97	On-road measurements of vehicle NO ₂ /NO _x emission ratios in Denver, Colorado, USA. <i>Atmospheric Environment</i> , 2017, 148, 182-189.	1.9	63
98	OH reactivity at a rural site (Wangdu) in the North China Plain: contributions from OH reactants and experimental OH budget. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 645-661.	1.9	63
99	Synthesis of the Southeast Atmosphere Studies: Investigating Fundamental Atmospheric Chemistry Questions. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 547-567.	1.7	62
100	A comparison of observations and model simulations of NO _x /NO _y in the lower stratosphere. <i>Geophysical Research Letters</i> , 1999, 26, 1153-1156.	1.5	61
101	A topâ€down analysis of emissions from selected Texas power plants during TexAQS 2000 and 2006. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	60
102	Instrumentation and measurement strategy for the NOAA SENEX aircraft campaign as part of the Southeast Atmosphere Study 2013. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 3063-3093.	1.2	58
103	Investigation of secondary formation of formic acid: urban environment vs. oil and gas producing region. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 1975-1993.	1.9	57
104	Secondary organic aerosol formation from in situ OH, O ₃ , and NO ₃ ; oxidation of ambient forest air in an oxidation flow reactor. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 5331-5354.	1.9	57
105	Vibrational state controlled bond cleavage in the photodissociation of isocyanic acid (HNCO). <i>Journal of Chemical Physics</i> , 1995, 102, 8440-8447.	1.2	56
106	Transition from high- to low-NO _x control of night-time oxidation in the southeastern US. <i>Nature Geoscience</i> , 2017, 10, 490-495.	5.4	56
107	Reassessing the ratio of glyoxal to formaldehyde as an indicator of hydrocarbon precursor speciation. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 7571-7583.	1.9	55
108	The sea breeze/land breeze circulation in Los Angeles and its influence on nitryl chloride production in this region. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	54

#	ARTICLE	IF	CITATIONS
109	Testing Atmospheric Oxidation in an Alabama Forest. <i>Journals of the Atmospheric Sciences</i> , 2016, 73, 4699-4710.	0.6	54
110	Modeling the impact of ClNO_2 on ozone formation in the Houston area. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	53
111	NO_x Lifetime and NO_y Partitioning During WINTER. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 9813-9827.	1.2	52
112	The HNCO heat of formation and the H and C-N bond enthalpies from initial state selected photodissociation. <i>Journal of Chemical Physics</i> , 1996, 105, 8103-8110.	1.2	51
113	Biogenic VOC oxidation and organic aerosol formation in an urban nocturnal boundary layer: aircraft vertical profiles in Houston, TX. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 11317-11337.	1.9	51
114	Modeling the weekly cycle of NO_x and CO emissions and their impacts on O_3 in the Los Angeles-South Coast Air Basin during the CalNex 2010 field campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 1340-1360.	1.2	51
115	Large contribution of biomass burning emissions to ozone throughout the global remote troposphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	51
116	Intercomparison of NO_3 radical detection instruments in the atmosphere simulation chamber SAPHIR. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 1111-1140.	1.2	49
117	Nitrogen Oxides Emissions, Chemistry, Deposition, and Export Over the Northeast United States During the WINTER Aircraft Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 12,368.	1.2	49
118	Observational constraints on glyoxal production from isoprene oxidation and its contribution to organic aerosol over the Southeast United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 9849-9861.	1.2	48
119	Reaction of Hydroxyl Radical with Nitric Acid: Insights into Its Mechanism. <i>Journal of Physical Chemistry A</i> , 2001, 105, 1605-1614.	1.1	47
120	Secondary organic aerosol (SOA) yields from NO_3 radical + isoprene based on nighttime aircraft power plant plume transects. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 11663-11682.	1.9	47
121	Role of nitrogen oxides in the stratosphere: A reevaluation based on laboratory studies. <i>Geophysical Research Letters</i> , 1999, 26, 2387-2390.	1.5	46
122	HONO emission and production determined from airborne measurements over the Southeast U.S.. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 9237-9250.	1.2	46
123	Nonadiabatic effects in the photodissociation of vibrationally excited HNCO: The branching between singlet ($\text{X}^1\Sigma^+$) and triplet ($\text{X}^3\Sigma^+$) NH. <i>Journal of Chemical Physics</i> , 1998, 109, 2257-2263.	1.2	45
124	The nitrogen budget of laboratory-simulated western US wildfires during the FIREX 2016 Fire Lab study. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 8807-8826.	1.9	45
125	Ozone chemistry in western U.S. wildfire plumes. <i>Science Advances</i> , 2021, 7, eabl3648.	4.7	45
126	Observation of daytime N_2O_5 in the marine boundary layer during New England Air Quality Study-Intercontinental Transport and Chemical Transformation 2004. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	44

#	ARTICLE	IF	CITATIONS
127	Broadband cavity-enhanced absorption spectroscopy in the ultraviolet spectral region for measurements of nitrogen dioxide and formaldehyde. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 41-52.	1.2	44
128	Observations of VOC emissions and photochemical products over US oil- and gas-producing regions using high-resolution H ₂ O ⁺ CIMS (PTR-ToF-MS). <i>Atmospheric Measurement Techniques</i> , 2017, 10, 2941-2968.	1.2	44
129	Measurement of NO ₃ and N ₂ O ₅ in a Residential Kitchen. <i>Environmental Science and Technology Letters</i> , 2018, 5, 595-599.	3.9	44
130	Evolution of the Complex Refractive Index of Secondary Organic Aerosols during Atmospheric Aging. <i>Environmental Science & Technology</i> , 2018, 52, 3456-3465.	4.6	40
131	Flight Deployment of a High-Resolution Time-of-Flight Chemical Ionization Mass Spectrometer: Observations of Reactive Halogen and Nitrogen Oxide Species. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 7670-7686.	1.2	39
132	Experimental absolute intensities of the 4 $\frac{1}{2}$ and 5 $\frac{1}{2}$ O-H stretching overtones of H ₂ SO ₄ . <i>Chemical Physics Letters</i> , 2006, 420, 438-442.	1.2	38
133	Absolute ozone absorption cross section in the Huggins Chappuis minimum (350-470 nm) at 296 K. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 11581-11590.	1.9	38
134	Emissions of Glyoxal and Other Carbonyl Compounds from Agricultural Biomass Burning Plumes Sampled by Aircraft. <i>Environmental Science & Technology</i> , 2017, 51, 11761-11770.	4.6	38
135	Southeast Atmosphere Studies: learning from model-observation syntheses. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 2615-2651.	1.9	36
136	Top-Down Estimates of NO _x and CO Emissions From Washington, D.C.-Baltimore During the WINTER Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 7705-7724.	1.2	35
137	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
138	Cavity-Enhanced Measurements of Hydrogen Peroxide Absorption Cross Sections from 353 to 410 nm. <i>Journal of Physical Chemistry A</i> , 2012, 116, 5941-5947.	1.1	34
139	WRF-Chem simulation of NO _x and O ₃ in the L.A. basin during CalNex-2010. <i>Atmospheric Environment</i> , 2013, 81, 421-432.	1.9	34
140	Nighttime and daytime dark oxidation chemistry in wildfire plumes: an observation and model analysis of FIREX-AQ aircraft data. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 16293-16317.	1.9	34
141	Radicals in the marine boundary layer during NEAQS 2004: a model study of day-time and night-time sources and sinks. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 3075-3093.	1.9	33
142	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. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 10,567.	1.2	33
143	Peroxynitric acid (HO ₂ NO ₂) measurements during the UBWOS 2013 and 2014 studies using iodide ion chemical ionization mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 8101-8114.	1.9	33
144	Photochemical aging of volatile organic compounds associated with oil and natural gas extraction in the Uintah Basin, UT, during a wintertime ozone formation event. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 5727-5741.	1.9	33

#	ARTICLE	IF	CITATIONS
145	Evaluating N_2O_5 heterogeneous hydrolysis parameterizations for CalNex 2010. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 5051-5070.	1.2	33
146	Airborne and ground-based observations of ammonium-nitrate-dominated aerosols in a shallow boundary layer during intense winter pollution episodes in northern Utah. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 17259-17276.	1.9	33
147	Airborne Observations of Reactive Inorganic Chlorine and Bromine Species in the Exhaust of Coal-Fired Power Plants. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 11225-11237.	1.2	33
148	On the contribution of nocturnal heterogeneous reactive nitrogen chemistry to particulate matter formation during wintertime pollution events in Northern Utah. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 9287-9308.	1.9	33
149	Heterogeneous NO_2 reactions on atmospheric aerosols at four Chinese sites: improving model representation of uptake parameters. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 4367-4378.	1.9	33
150	On the sources and sinks of atmospheric VOCs: an integrated analysis of recent aircraft campaigns over North America. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 9097-9123.	1.9	32
151	Influence of nitrate radical on the oxidation of dimethyl sulfide in a polluted marine environment. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	31
152	ClNO_2 Yields From Aircraft Measurements During the 2015 WINTER Campaign and Critical Evaluation of the Current Parameterization. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 12,994.	1.2	31
153	Variability and Time of Day Dependence of Ozone Photochemistry in Western Wildfire Plumes. <i>Environmental Science & Technology</i> , 2021, 55, 10280-10290.	4.6	31
154	Biomass Burning Markers and Residential Burning in the WINTER Aircraft Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 1846-1861.	1.2	30
155	A simple model of the HNCO ($1A''$) excited state potential energy surface and a classical trajectory analysis of the vibrationally directed bond-selected photodissociation. <i>Journal of Chemical Physics</i> , 1996, 105, 10911-10918.	1.2	29
156	City lights and urban air. <i>Nature Geoscience</i> , 2011, 4, 730-731.	5.4	29
157	Primary emissions of glyoxal and methylglyoxal from laboratory measurements of open biomass burning. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 15451-15470.	1.9	28
158	Anthropogenic Control Over Wintertime Oxidation of Atmospheric Pollutants. <i>Geophysical Research Letters</i> , 2019, 46, 14826-14835.	1.5	28
159	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
160	Cavity enhanced spectroscopy for measurement of nitrogen oxides in the Anthropocene: results from the Seoul tower during MAPS 2015. <i>Faraday Discussions</i> , 2017, 200, 529-557.	1.6	27
161	Isotopic characterization of nitrogen oxides (NO and NO_2), nitrous acid (HONO), and nitrate (NO_3) from laboratory biomass burning during FIREX. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 6303-6317.	1.2	27
162	HCO Quantum Yields in the Photolysis of HC(O)C(O)H (Glyoxal) between 290 and 420 nm. <i>Journal of Physical Chemistry A</i> , 2009, 113, 7784-7794.	1.1	26

#	ARTICLE	IF	CITATIONS
163	Ozone distributions over southern Lake Michigan: comparisons between ferry-based observations, shoreline-based DOAS observations and model forecasts. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 5109-5122.	1.9	26
164	An Atmospheric Constraint on the NO ₂ Dependence of Daytime Near-Surface Nitrous Acid (HONO). <i>Environmental Science & Technology</i> , 2015, 49, 12774-12781.	4.6	26
165	Widespread Pollution From Secondary Sources of Organic Aerosols During Winter in the Northeastern United States. <i>Geophysical Research Letters</i> , 2019, 46, 2974-2983.	1.5	25
166	Reactive nitrogen partitioning and its relationship to winter ozone events in Utah. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 573-583.	1.9	24
167	Formaldehyde evolution in US wildfire plumes during the Fire Influence on Regional to Global Environments and Air Quality experiment (FIREX-AQ). <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 18319-18331.	1.9	24
168	Absorption cross sections for the $\tilde{\nu}_2$ (0,90,0) and $\tilde{\nu}_1$ (0,01,0) band of the HCO radical. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 3636-3642.	1.3	23
169	Quantifying Methane and Ozone Precursor Emissions from Oil and Gas Production Regions across the Contiguous US. <i>Environmental Science & Technology</i> , 2021, 55, 9129-9139.	4.6	23
170	Kinetics of the Reactions of NO ₃ Radical with Methacrylate Esters. <i>Journal of Physical Chemistry A</i> , 2017, 121, 4464-4474.	1.1	22
171	Theoretical and experimental study of peroxy and alkoxy radicals in the NO ₃ -initiated oxidation of isoprene. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 5496-5515.	1.3	22
172	Kinetics of the Removal of OH($\nu=1$) and OD($\nu=1$) by HNO ₃ and DNO ₃ from 253 to 383 K. <i>Journal of Physical Chemistry A</i> , 2003, 107, 7762-7769.	1.1	21
173	Comparison of N ₂ O and O ₃ mixing ratios during NO ₃ Comp 2007 in SAPHIR. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 2763-2777.	1.2	21
174	Quantifying TOLNet ozone lidar accuracy during the 2014 DISCOVER-AQ and FRAPP campaigns. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 3865-3876.	1.2	21
175	Wintertime Gas-Particle Partitioning and Speciation of Inorganic Chlorine in the Lower Troposphere Over the Northeast United States and Coastal Ocean. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 12,897.	1.2	21
176	A broadband cavity-enhanced spectrometer for atmospheric trace gas measurements and Rayleigh scattering cross sections in the cyan region (470-540 nm). <i>Atmospheric Measurement Techniques</i> , 2019, 12, 1277-1293.	1.2	21
177	Effects of NO _x control and plume mixing on nighttime chemical processing of plumes from coal-fired power plants. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	20
178	Raman spectroscopy of the N ₂ O symmetric ($\tilde{\nu}_3$) and antisymmetric ($\tilde{\nu}_2$) stretch fundamentals in HNCO. <i>Journal of Chemical Physics</i> , 1997, 107, 9764-9771.	1.2	19
179	Observational Constraints on the Formation of Cl ₂ From the Reactive Uptake of ClNO ₂ on Aerosols in the Polluted Marine Boundary Layer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 8851-8869.	1.2	19
180	Molecular composition and volatility of multi-generation products formed from isoprene oxidation by nitrate radical. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 10799-10824.	1.9	19

#	ARTICLE	IF	CITATIONS
181	Raman spectroscopy of the $\hat{1}/21$ Nâ€H stretch fundamental in isocyanic acid (HNCO): State mixing probed by photoacoustic spectroscopy and by photodissociation of vibrationally excited states. <i>Journal of Chemical Physics</i> , 1997, 106, 5805-5815.	1.2	18
182	Vertically resolved chemical characteristics and sources of submicron aerosols measured on a Tall Tower in a suburban area near Denver, Colorado in winter. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 13,591.	1.2	18
183	Higher measured than modeled ozone production at increased NO<sub><i></i></sub> levels in the Colorado Front Range. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 11273-11292.	1.9	18
184	Evaluation of the accuracy of thermal dissociation CRDS and LIF techniques for atmospheric measurement of reactive nitrogen species. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 1911-1926.	1.2	18
185	Sulfate and Carboxylate Suppress the Formation of ClNO ₂ at Atmospheric Interfaces. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 1987-1997.	1.2	18
186	Single-photon laser-induced fluorescence detection of nitric oxide at sub-parts-per-trillion mixing ratios. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 2425-2439.	1.2	18
187	Regional variation of the dimethyl sulfide oxidation mechanism in the summertime marine boundary layer in the Gulf of Maine. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	17
188	Cavity ring-down spectroscopy sensor for detection of hydrogen chloride. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 345-357.	1.2	16
189	Airborne measurements of the atmospheric emissions from a fuel ethanol refinery. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 4385-4397.	1.2	16
190	Role of Criegee Intermediates in Secondary Sulfate Aerosol Formation in Nocturnal Power Plant Plumes in the Southeast US. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 748-759.	1.2	16
191	Overtone spectroscopy of the hydroxyl stretch vibration in hydroxylamine (NH ₂ OH). <i>Journal of Chemical Physics</i> , 1995, 102, 675-679.	1.2	15
192	Initial state resolved electronic spectroscopy of HNCO: Stimulated Raman preparation of initial states and laser induced fluorescence detection of photofragments. <i>Journal of Chemical Physics</i> , 1997, 107, 8985-8993.	1.2	15
193	Wintertime spatial distribution of ammonia and its emission sources in the Great Salt Lake region. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 15691-15709.	1.9	15
194	Gas-Particle Partitioning and SOA Yields of Organonitrate Products from NO ₃ -Initiated Oxidation of Isoprene under Varied Chemical Regimes. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 785-800.	1.2	15
195	Characterizing sources of high surface ozone events in the southwestern US with intensive field measurements and two global models. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 10379-10400.	1.9	15
196	Particulate organic nitrates observed in an oil and natural gas production region during wintertime. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 9313-9325.	1.9	14
197	Wintertime Overnight NO _x Removal in a Southeastern United States Coal-fired Power Plant Plume: A Model for Understanding Winter NO _x Processing and its Implications. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 1412-1425.	1.2	14
198	Coupled Air Quality and Boundary-Layer Meteorology in Western U.S. Basins during Winter: Design and Rationale for a Comprehensive Study. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E2012-E2033.	1.7	14

#	ARTICLE	IF	CITATIONS
199	Ozone production in remote oceanic and industrial areas derived from ship based measurements of peroxy radicals during TexAQS 2006. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 2471-2485.	1.9	13
200	Scattering and absorption cross sections of atmospheric gases in the ultraviolet-visible wavelength range (307-725 nm). <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 14927-14940.	1.9	13
201	Overtone Dissociation of Peroxynitric Acid (HO_2NO_2): Absorption Cross Sections and Photolysis Products. <i>Journal of Physical Chemistry A</i> , 2008, 112, 9296-9303.	1.1	12
202	Rates of Wintertime Atmospheric SO_2 Oxidation based on Aircraft Observations during Clear Sky Conditions over the Eastern United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 6630-6649.	1.2	12
203	Kinetics of the reactions of NO_3 radical with alkanes. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 4246-4257.	1.3	12
204	Modelled and measured concentrations of peroxy radicals and nitrate radical in the U.S. Gulf Coast region during TexAQS 2006. <i>Journal of Atmospheric Chemistry</i> , 2011, 68, 331-362.	1.4	11
205	Complex refractive indices in the ultraviolet and visible spectral region for highly absorbing non-spherical biomass burning aerosol. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 7235-7252.	1.9	11
206	Novel Analysis to Quantify Plume Crosswind Heterogeneity Applied to Biomass Burning Smoke. <i>Environmental Science & Technology</i> , 2021, 55, 15646-15657.	4.6	11
207	Evolution of NO_3 reactivity during the oxidation of isoprene. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 10459-10475.	1.9	10
208	Complexity in the Evolution, Composition, and Spectroscopy of Brown Carbon in Aircraft Measurements of Wildfire Plumes. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	10
209	The Potential Role of Criegee Intermediates in Nighttime Atmospheric Chemistry. A Modeling Study. <i>ACS Earth and Space Chemistry</i> , 2017, 1, 288-298.	1.2	9
210	Hydrocarbon Removal in Power Plant Plumes Shows Nitrogen Oxide Dependence of Hydroxyl Radicals. <i>Geophysical Research Letters</i> , 2019, 46, 7752-7760.	1.5	9
211	Wintertime Formaldehyde: Airborne Observations and Source Apportionment Over the Eastern United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033518.	1.2	9
212	The role of coarse aerosol particles as a sink of HNO_3 in wintertime pollution events in the Salt Lake Valley. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 8111-8126.	1.9	9
213	Kinetics of $\text{O}_2(1\text{g})$ Reaction with H_2 and an Upper Limit for OH Production. <i>Journal of Physical Chemistry A</i> , 2002, 106, 8461-8470.	1.1	8
214	Simulating the Weekly Cycle of NO_x VOCs CHO_x O_3 Photochemical System in the South Coast of California During CalNex 2010 Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 3532-3555.	1.2	8
215	A Four Carbon Organonitrate as a Significant Product of Secondary Isoprene Chemistry. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	8
216	Comparison of Airborne Reactive Nitrogen Measurements During WINTER. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 10483-10502.	1.2	7

#	ARTICLE	IF	CITATIONS
217	Validation of a new cavity ring-down spectrometer for measuring tropospheric gaseous hydrogen chloride. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 5859-5871.	1.2	7
218	Reactions of NO ₃ with aromatic aldehydes: gas-phase kinetics and insights into the mechanism of the reaction. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 13537-13551.	1.9	7
219	The <i>Fires, Asian, and Stratospheric Transport</i>â€œLas Vegas Ozone Study (<i>FAST</i>-LVOS). <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 1707-1737.	1.9	7
220	Nocturnal Atmospheric Oxidative Processes in the Indoâ€œGangetic Plain and Their Variation During the COVIDâ€œ19 Lockdowns. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	6
221	Measurements of Total OH Reactivity During CalNexâ€œLA. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD032988.	1.2	5
222	Atmospheric loss of nitrous oxide (N ₂ O) is not influenced by its potential reactions with OH and NO ₃ radicals. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 24592-24600.	1.3	4
223	Formation and Evolution of Catechol-Derived SOA Mass, Composition, Volatility, and Light Absorption. <i>ACS Earth and Space Chemistry</i> , 0, , .	1.2	3
224	Measurement of the Fourth Oâ€œH Overtone Absorption Cross Section in Acetic Acid Using Cavity Ring-Down Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2011, 115, 753-761.	1.1	1
225	Atmospheric chemistry and the biosphere: general discussion. <i>Faraday Discussions</i> , 2017, 200, 195-228.	1.6	1
226	The air we breathe: Past, present, and future: general discussion. <i>Faraday Discussions</i> , 2017, 200, 501-527.	1.6	1
227	A new cavity ring-down instrument for airborne monitoring of N ₂ O ₅ , NO ₃ , NO ₂ and O ₃ in the upper troposphere lower stratosphere. , 2016, , .		1
228	Monitoring the tidal Delaware River for ambient toxicity. <i>Integrated Environmental Assessment and Management</i> , 2011, 7, 466-477.	1.6	0
229	Atmospheric chemistry processes: general discussion. <i>Faraday Discussions</i> , 2017, 200, 353-378.	1.6	0
230	New tools for atmospheric chemistry: general discussion. <i>Faraday Discussions</i> , 2017, 200, 663-691.	1.6	0
231	Heterogeneous Atmospheric Chemistry of Nitrogen Oxides: New Insights from Recent Field Measurements. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2013, , 125-138.	0.1	0