Ronald C Cohen

List of Publications by Year
in descending order

283 papers	22,821 citations	5876 81 h-index	16605 123 g-index
423 all docs	423 docs citations	423 times ranked	12170 citing authors

#	Article	IF	Citations
1	Accelerated reduction of air pollutants in China, 2017-2020. Science of the Total Environment, 2022, 803, 150011.	3.9	24
2	A systematic re-evaluation of methods for quantification of bulk particle-phase organic nitrates using real-time aerosol mass spectrometry. Atmospheric Measurement Techniques, 2022, 15, 459-483.	1.2	15
3	Leaf Stomatal Uptake of Alkyl Nitrates. Environmental Science and Technology Letters, 2022, 9, 186-190.	3.9	7
4	Assessing vehicle fuel efficiency using a dense network of CO₂ observations. Atmospheric Chemistry and Physics, 2022, 22, 3891-3900.	1.9	4
5	Combining Machine Learning and Satellite Observations to Predict Spatial and Temporal Variation of near Surface OH in North American Cities. Environmental Science & Technology, 2022, 56, 7362-7371.	4.6	12
6	Observing Annual Trends in Vehicular CO₂ Emissions. Environmental Science & Technology, 2022, 56, 3925-3931.	4.6	4
7	Photochemical evolution of the 2013 California Rim Fire: synergistic impacts of reactive hydrocarbons and enhanced oxidants. Atmospheric Chemistry and Physics, 2022, 22, 4253-4275.	1.9	9
8	Estimate of OH trends over one decade in North American cities. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2117399119.	3.3	10
9	Direct Retrieval of NO ₂ Vertical Columns from UV-Vis (390-495â€‰nm) Spectral Radiances Using a Neural Network. Journal of Remote Sensing, 2022, 2022, .	3.2	2
10	A multi-city urban atmospheric greenhouse gas measurement data synthesis. Scientific Data, 2022, 9, .	2.4	5
11	Decadal Trends in the Temperature Dependence of Summertime Urban PM_{2.5} in the Northeast United States. ACS Earth and Space Chemistry, 2022, 6, 1793-1798.	1.2	5
12	Impact of OA on the Temperature Dependence of PM 2.5 in the Los Angeles Basin. Environmental Science & Technology, 2021, 55, 3549-3558.	4.6	23
13	Spaceâ€Borne Estimation of Volcanic Sulfate Aerosol Lifetime. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033883.	1.2	2
14	The potential for geostationary remote sensing of NO₂ to improve weather prediction. Atmospheric Chemistry and Physics, 2021, 21, 9573-9583.	1.9	4
15	The Berkeley Environmental Air-quality and CO₂ Network: field calibrations of sensor temperature dependence and assessment of network scale CO₂ accuracy. Atmospheric Measurement Techniques, 2021, 14, 5487-5500.	1.2	10
16	Direct estimates of biomass burning NO_{<i>x</i>} emissions and lifetimes using daily observations from TROPOMI. Atmospheric Chemistry and Physics, 2021, 21, 15569-15587.	1.9	30
17	Extreme events driving year-to-year differences in gross primary productivity across the US. Biogeosciences, 2021, 18, 6579-6588.	1.3	10
18	Contribution of Organic Nitrates to Organic Aerosol over South Korea during KORUS-AQ. Environmental Science & Technology, 2021, 55, 16326-16338.	4.6	8

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19	The Role of Temperature and NO_x in Ozone Trends in the Los Angeles Basin. Environmental Science & Technology, 2020, 54, 15652-15659.	4.6	41
20	Observed Impacts of COVIDâ€19 on Urban CO₂ Emissions. Geophysical Research Letters, 2020, 47, e2020GL090037.	1.5	57
21	Evidence of Nighttime Production of Organic Nitrates During SEAC 4 RS, FRAPPÃ‰, and KORUSâ€AQ. Geophysical Research Letters, 2020, 47, e2020GL087860.	1.5	7
22	Assessment of NO₂ observations during DISCOVER-AQ and KORUS-AQ field campaigns. Atmospheric Measurement Techniques, 2020, 13, 2523-2546.	1.2	31
23	AÂmodel-based analysis of foliar NO_{<i>x</i>} deposition. Atmospheric Chemistry and Physics, 2020, 20, 2123-2141.	1.9	11
24	Observing U.S. Regional Variability in Lightning NO₂ Production Rates. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031362.	1.2	13
25	The changing role of organic nitrates in the removal and transport of NO_{<i>x</i>}. Atmospheric Chemistry and Physics, 2020, 20, 267-279.	1.9	34
26	Laboratory measurements of stomatal NO₂ deposition to native California trees and the role of forests in the NO_x cycle. Atmospheric Chemistry and Physics, 2020, 20, 14023-14041.	1.9	16
27	A double peak in the seasonality of California's photosynthesis as observed from space. Biogeosciences, 2020, 17, 405-422.	1.3	64
28	Leaf Stomatal Control over Acyl Peroxynitrate Dry Deposition to Trees. ACS Earth and Space Chemistry, 2020, 4, 2162-2170.	1.2	7
29	Vapor-Pressure Pathways Initiate but Hydrolysis Products Dominate the Aerosol Estimated from Organic Nitrates. ACS Earth and Space Chemistry, 2019, 3, 1426-1437.	1.2	32
30	Properties of Seawater Surfactants Associated with Primary Marine Aerosol Particles Produced by Bursting Bubbles at a Model Airâ€“Sea Interface. Environmental Science & Technology, 2019, 53, 9407-9417.	4.6	28
31	Using satellite observations of tropospheric NO₂ columns to infer long-term trends in US NO_{<i>x</i>} emissions:Âthe importance of accounting for the free tropospheric NO₂ background. Atmospheric Chemistry and Physics, 2019, 19, 8863-8878.	1.9	89
32	Marine Aerosol Production via Detrainment of Bubble Plumes Generated in Natural Seawater With a Forcedâ€Air Venturi. Journal of Geophysical Research D: Atmospheres, 2019, 124, 10931-10950.	1.2	9
33	Comparison of Airborne Reactive Nitrogen Measurements During WINTER. Journal of Geophysical Research D: Atmospheres, 2019, 124, 10483-10502.	1.2	7
34	Direct observation of changing NO _x lifetime in North American cities. Science, 2019, 366, 723-727.	6.0	126
35	Concentrations and Adsorption Isotherms for Amphiphilic Surfactants in PM₁ Aerosols from Different Regions of Europe. Environmental Science & Technology, 2019, 53, 12379-12388.	4.6	25
36	Deliberating performance targets workshop: Potential paths for emerging PM2.5 and O3 air sensor progress. Atmospheric Environment: X, 2019, 2, 100031.	0.8	36

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37	Evaluation of version 3.0B of the BEHR OMI NO₂ product. Atmospheric Measurement Techniques, 2019, 12, 129-146.	1.2	25
38	Importance of biogenic volatile organic compounds to acyl peroxy nitrates (APN) production in the southeastern US during SOAS 2013. Atmospheric Chemistry and Physics, 2019, 19, 1867-1880.	1.9	10
39	Lightning NO₂ simulation over the contiguous US and its effects on satellite NO₂ retrievals. Atmospheric Chemistry and Physics, 2019, 19, 13067-13078.	1.9	21
40	Anthropogenic Control Over Wintertime Oxidation of Atmospheric Pollutants. Geophysical Research Letters, 2019, 46, 14826-14835.	1.5	28
41	Effects of temperature-dependent NO_{<i>x</i>} emissions on continental ozone production. Atmospheric Chemistry and Physics, 2018, 18, 2601-2614.	1.9	62
42	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.	1.2	103
43	Characterizing CO and NO_y Sources and Relative Ambient Ratios in the Baltimore Area Using Ambient Measurements and Source Attribution Modeling. Journal of Geophysical Research D: Atmospheres, 2018, 123, 3304-3320.	1.2	14
44	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.	1.2	14
45	Influence of surfactants on growth of individual aqueous coarse mode aerosol particles. Aerosol Science and Technology, 2018, 52, 459-469.	1.5	14
46	Synthesis of the Southeast Atmosphere Studies: Investigating Fundamental Atmospheric Chemistry Questions. Bulletin of the American Meteorological Society, 2018, 99, 547-567.	1.7	62
47	Decadal changes in summertime reactive oxidized nitrogen and surface ozone over the Southeast United States. Atmospheric Chemistry and Physics, 2018, 18, 2341-2361.	1.9	30
48	Southeast Atmosphere Studies: learning from model-observation syntheses. Atmospheric Chemistry and Physics, 2018, 18, 2615-2651.	1.9	36
49	Nitrogen oxides in the global upper troposphere: interpreting cloud-sliced NO₂ observations from the OMI satellite instrument. Atmospheric Chemistry and Physics, 2018, 18, 17017-17027.	1.9	25
50	Measurements of NO and NO₂ exchange between the atmosphere and <i>Quercus agrifolia</i>. Atmospheric Chemistry and Physics, 2018, 18, 14161-14173.	1.9	25
51	Atmospheric oxidation in the presence of clouds during the Deep Convective Clouds and Chemistry (DC3) study. Atmospheric Chemistry and Physics, 2018, 18, 14493-14510.	1.9	18
52	Improved Satellite Retrieval of Tropospheric NO2 Column Density via Updating of Air Mass Factor (AMF): Case Study of Southern China. Remote Sensing, 2018, 10, 1789.	1.8	15
53	Constraints on Aerosol Nitrate Photolysis as a Potential Source of HONO and NO_x. Environmental Science & Technology, 2018, 52, 13738-13746.	4.6	79
54	A comprehensive organic nitrate chemistry: insights into the lifetime of atmospheric organic nitrates. Atmospheric Chemistry and Physics, 2018, 18, 15419-15436.	1.9	57

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55	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.	1.2	31
56	Observing local CO₂ sources using low-cost, near-surface urban monitors. Atmospheric Chemistry and Physics, 2018, 18, 13773-13785.	1.9	26
57	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.	1.2	49
58	The BErkeley Atmospheric CO₂ Observation Network: field calibration and evaluation of low-cost air quality sensors. Atmospheric Measurement Techniques, 2018, 11, 1937-1946.	1.2	61
59	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.	1.2	39
60	Observed NO/NO₂ Ratios in the Upper Troposphere Imply Errors in NOâ€NO₂â€O₃ Cycling Kinetics or an Unaccounted NO_x Reservoir. Geophysical Research Letters, 2018, 45, 4466-4474.	1.5	34
61	NO_x Lifetime and NO_y Partitioning During WINTER. Journal of Geophysical Research D: Atmospheres, 2018, 123, 9813-9827.	1.2	52
62	Modulation of hydroxyl variability by ENSO in the absence of external forcing. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8931-8936.	3.3	27
63	Modeling NH 4 NO 3 Over the San Joaquin Valley During the 2013 DISCOVERâ€AQ Campaign. Journal of Geophysical Research D: Atmospheres, 2018, 123, 4727-4745.	1.2	18
64	The Berkeley High Resolution Tropospheric NO₂ product. Earth System Science Data, 2018, 10, 2069-2095.	3.7	31
65	Lightning NO_x Emissions: Reconciling Measured and Modeled Estimates With Updated NO_x Chemistry. Geophysical Research Letters, 2017, 44, 9479-9488.	1.5	56
66	Validating novel air pollution sensors to improve exposure estimates for epidemiological analyses and citizen science. Environmental Research, 2017, 158, 286-294.	3.7	96
67	Tropospheric emissions: Monitoring of pollution (TEMPO). Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 186, 17-39.	1.1	239
68	Assimilation of satellite NO₂ observations at high spatial resolution using OSSEs. Atmospheric Chemistry and Physics, 2017, 17, 7067-7081.	1.9	23
69	Nitrate radicals and biogenic volatile organic compounds: oxidation, mechanisms, and organic aerosol. Atmospheric Chemistry and Physics, 2017, 17, 2103-2162.	1.9	307
70	Quantification of the effect of modeled lightning NO₂ on UVâ€“visible air mass factors. Atmospheric Measurement Techniques, 2017, 10, 4403-4419.	1.2	19
71	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.	1.2	18
72	Ozone production chemistry in the presence of urban plumes. Faraday Discussions, 2016, 189, 169-189.	1.6	56

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73	Testing Atmospheric Oxidation in an Alabama Forest. Journals of the Atmospheric Sciences, 2016, 73, 4699-4710.	0.6	54
74	Convective transport and scavenging of peroxides by thunderstorms observed over the central U.S. during DC3. Journal of Geophysical Research D: Atmospheres, 2016, 121, 4272-4295.	1.2	24
75	Sensitivity to grid resolution in the ability of a chemical transport model to simulate observed oxidant chemistry under high-isoprene conditions. Atmospheric Chemistry and Physics, 2016, 16, 4369-4378.	1.9	60
76	Reactive nitrogen partitioning and its relationship to winter ozone events in Utah. Atmospheric Chemistry and Physics, 2016, 16, 573-583.	1.9	24
77	The BErkeley Atmospheric CO₂ Observation Network: initial evaluation. Atmospheric Chemistry and Physics, 2016, 16, 13449-13463.	1.9	81
78	Network design for quantifying urban CO₂ emissions: assessing trade-offs between precision and network density. Atmospheric Chemistry and Physics, 2016, 16, 13465-13475.	1.9	55
79	Why do models overestimate surface ozone in the Southeast United States?. Atmospheric Chemistry and Physics, 2016, 16, 13561-13577.	1.9	320
80	Effects of daily meteorology on the interpretation of space-based remote sensing of NO₂. Atmospheric Chemistry and Physics, 2016, 16, 15247-15264.	1.9	48
81	On the effectiveness of nitrogen oxide reductions as a control over ammonium nitrate aerosol. Atmospheric Chemistry and Physics, 2016, 16, 2575-2596.	1.9	53
82	Organic nitrate chemistry and its implications for nitrogen budgets in an isoprene- and monoterpene-rich atmosphere: constraints from aircraft (SEAC⁴RS) and ground-based (SOAS) observations in the Southeast US. Atmospheric Chemistry and Physics, 2016, 16, 5969-5991.	1.9	173
83	The lifetime of nitrogen oxides in an isoprene-dominated forest. Atmospheric Chemistry and Physics, 2016, 16, 7623-7637.	1.9	75
84	Simulating reactive nitrogen, carbon monoxide, and ozone in California during ARCTAS-CARB 2008 with high wildfire activity. Atmospheric Environment, 2016, 128, 28-44.	1.9	26
85	Anionic, Cationic, and Nonionic Surfactants in Atmospheric Aerosols from the Baltic Coast at AskÃ¶, Sweden: Implications for Cloud Droplet Activation. Environmental Science & Technology, 2016, 50, 2974-2982.	4.6	60
86	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.	3.3	269
87	Observational Constraints on the Oxidation of NOx in the Upper Troposphere. Journal of Physical Chemistry A, 2016, 120, 1468-1478.	1.1	23
88	Hydroxy nitrate production in the OH-initiated oxidation of alkenes. Atmospheric Chemistry and Physics, 2015, 15, 4297-4316.	1.9	50
89	The POLARCAT Model Intercomparison Project (POLMIP): overview and evaluation with observations. Atmospheric Chemistry and Physics, 2015, 15, 6721-6744.	1.9	62
90	Particulate organic nitrates observed in an oil and natural gas production region during wintertime. Atmospheric Chemistry and Physics, 2015, 15, 9313-9325.	1.9	14

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91	Organic nitrate aerosol formation via NO₃ + biogenic volatile organic compounds in the southeastern United States. Atmospheric Chemistry and Physics, 2015, 15, 13377-13392.	1.9	124
92	Biomass burning dominates brown carbon absorption in the rural southeastern United States. Geophysical Research Letters, 2015, 42, 653-664.	1.5	212
93	The Deep Convective Clouds and Chemistry (DC3) Field Campaign. Bulletin of the American Meteorological Society, 2015, 96, 1281-1309.	1.7	165
94	Measurements of CH₃O₂NO₂ in the upper troposphere. Atmospheric Measurement Techniques, 2015, 8, 987-997.	1.9	13
95	Temperature and Recent Trends in the Chemistry of Continental Surface Ozone. Chemical Reviews, 2015, 115, 3898-3918.	23.0	176
96	An Atmospheric Constraint on the NO₂ Dependence of Daytime Near-Surface Nitrous Acid (HONO). Environmental Science & Technology, 2015, 49, 12774-12781.	4.6	26
97	Evaluation of the use of a commercially available cavity ringdown absorption spectrometer for measuring NO2 in flight, and observations over the Mid-Atlantic States, during DISCOVER-AQ. Journal of Atmospheric Chemistry, 2015, 72, 503-521.	1.4	27
98	Secondary Organic Aerosol Formation and Organic Nitrate Yield from NO₃ Oxidation of Biogenic Hydrocarbons. Environmental Science & Technology, 2014, 48, 11944-11953.	4.6	178
99	On Rates and Mechanisms of OH and O₃ Reactions with Isoprene-Derived Hydroxy Nitrates. Journal of Physical Chemistry A, 2014, 118, 1622-1637.	1.1	102
100	Evidence for a nitrous acid (HONO) reservoir at the ground surface in Bakersfield, CA, during CalNex 2010. Journal of Geophysical Research D: Atmospheres, 2014, 119, 9093-9106.	1.2	59
101	Space-based observations of fire NO_x emission coefficients: a global biome-scale comparison. Atmospheric Chemistry and Physics, 2014, 14, 2509-2524.	1.9	30
102	On the role of monoterpene chemistry in the remote continental boundary layer. Atmospheric Chemistry and Physics, 2014, 14, 1225-1238.	1.9	44
103	Low temperatures enhance organic nitrate formation: evidence from observations in the 2012 Uintah Basin Winter Ozone Study. Atmospheric Chemistry and Physics, 2014, 14, 12441-12454.	1.9	34
104	On the temperature dependence of organic reactivity, nitrogen oxides, ozone production, and the impact of emission controls in San Joaquin Valley, California. Atmospheric Chemistry and Physics, 2014, 14, 3373-3395.	1.9	92
105	Eddy covariance fluxes and vertical concentration gradient measurements of NO and NO₂ over a ponderosa pine ecosystem: observational evidence for within-canopy chemical removal of NO_x. Atmospheric Chemistry and Physics, 2014, 14, 5495-5512.	1.9	36
106	Chemical feedback effects on the spatial patterns of the NO_x weekend effect: a sensitivity analysis. Atmospheric Chemistry and Physics, 2014, 14, 1-9.	1.9	57
107	An Observational Perspective on the Atmospheric Impacts of Alkyl and Multifunctional Nitrates on Ozone and Secondary Organic Aerosol. Chemical Reviews, 2013, 113, 5848-5870.	23.0	211
108	Observational Insights into Aerosol Formation from Isoprene. Environmental Science & Technology, 2013, 47, 11403-11413.	4.6	113

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109	Cation-cation contact pairing in water: Guanidinium. Journal of Chemical Physics, 2013, 139, 035104.	1.2	62
110	The 2010 California Research at the Nexus of Air Quality and Climate Change (CalNex) field study. Journal of Geophysical Research D: Atmospheres, 2013, 118, 5830-5866.	1.2	199
111	Evaporation kinetics of aqueous acetic acid droplets: effects of soluble organic aerosol components on the mechanism of water evaporation. Physical Chemistry Chemical Physics, 2013, 15, 11634.	1.3	24
112	Observation of rates and products in the reaction of NO₃with submicron squalane and squalene aerosol. Physical Chemistry Chemical Physics, 2013, 15, 882-892.	1.3	14
113	Gas/particle partitioning of total alkyl nitrates observed with TDâ€LIF in Bakersfield. Journal of Geophysical Research D: Atmospheres, 2013, 118, 6651-6662.	1.2	51
114	Variations of OH radical in an urban plume inferred from NO₂ column measurements. Geophysical Research Letters, 2013, 40, 1856-1860.	1.5	105
115	Observations of a seasonal cycle in NOxemissions from fires in African woody savannas. Geophysical Research Letters, 2013, 40, 1451-1455.	1.5	26
116	Observations of total RONO₂ over the boreal forest: NO_x sinks and HNO₃ sources. Atmospheric Chemistry and Physics, 2013, 13, 4543-4562.	1.9	76
117	On the export of reactive nitrogen from Asia: NO_x partitioning and effects on ozone. Atmospheric Chemistry and Physics, 2013, 13, 4617-4630.	1.9	17
118	Understanding the impact of recent advances in isoprene photooxidation on simulations of regional air quality. Atmospheric Chemistry and Physics, 2013, 13, 8439-8455.	1.9	106
119	Observations of gas- and aerosol-phase organic nitrates at BEACHON-RoMBAS 2011. Atmospheric Chemistry and Physics, 2013, 13, 8585-8605.	1.9	150
120	Ozone and organic nitrates over the eastern United States: Sensitivity to isoprene chemistry. Journal of Geophysical Research D: Atmospheres, 2013, 118, 11,256.	1.2	213
121	Comparison of N₂O₅ mixing ratios during NO3Comp 2007 in SAPHIR. Atmospheric Measurement Techniques, 2012, 5, 2763-2777.	1.2	21
122	Trends in OMI NO₂ observations over the United States: effects of emission control technology and the economic recession. Atmospheric Chemistry and Physics, 2012, 12, 12197-12209.	1.9	267
123	Steps towards a mechanistic model of global soil nitric oxide emissions: implementation and space based-constraints. Atmospheric Chemistry and Physics, 2012, 12, 7779-7795.	1.9	326
124	Effects of biogenic nitrate chemistry on the NO_x lifetime in remote continental regions. Atmospheric Chemistry and Physics, 2012, 12, 11917-11932.	1.9	86
125	Importance of biogenic precursors to the budget of organic nitrates: observations of multifunctional organic nitrates by CIMS and TD-LIF during BEARPEX 2009. Atmospheric Chemistry and Physics, 2012, 12, 5773-5785.	1.9	93
126	Combining Bayesian methods and aircraft observations to constrain the HO[.] + NO₂ reaction rate. Atmospheric Chemistry and Physics, 2012, 12, 653-667.	1.9	33

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127	Insights into hydroxyl measurements and atmospheric oxidation in a California forest. Atmospheric Chemistry and Physics, 2012, 12, 8009-8020.	1.9	211
128	Observations of atmosphere-biosphere exchange of total and speciated peroxynitrates: nitrogen fluxes and biogenic sources of peroxynitrates. Atmospheric Chemistry and Physics, 2012, 12, 9763-9773.	1.9	16
129	On the observed response of ozone to NO_x and VOC reactivity reductions in San Joaquin Valley California 1995â€“present. Atmospheric Chemistry and Physics, 2012, 12, 8323-8339.	1.9	155
130	Evidence for NO _x Control over Nighttime SOA Formation. Science, 2012, 337, 1210-1212.	6.0	266
131	Effects of model resolution on the interpretation of satellite NO₂ observations. Atmospheric Chemistry and Physics, 2011, 11, 11647-11655.	1.9	142
132	Evaluation of simulated photochemical partitioning of oxidized nitrogen in the upper troposphere. Atmospheric Chemistry and Physics, 2011, 11, 275-291.	1.9	37
133	Global and regional effects of the photochemistry of CH₃O₂NO₂ evidence from ARCTAS. Atmospheric Chemistry and Physics, 2011, 11, 4209-4219.	1.9	52
134	The Chemistry of Atmosphere-Forest Exchange (CAFE) Model â€“ Part 2: Application to BEARPEX-2007 observations. Atmospheric Chemistry and Physics, 2011, 11, 1269-1294.	1.9	85
135	SOA from limonene: role of NO₃ in its generation and degradation. Atmospheric Chemistry and Physics, 2011, 11, 3879-3894.	1.9	123
136	Characterization of wildfire NO_x emissions using MODIS fire radiative power and OMI tropospheric NO₂ columns. Atmospheric Chemistry and Physics, 2011, 11, 5839-5851.	1.9	83
137	Observations of the temperature dependent response of ozone to NO_x reductions in the Sacramento, CA urban plume. Atmospheric Chemistry and Physics, 2011, 11, 6945-6960.	1.9	35
138	Detailed comparisons of airborne formaldehyde measurements with box models during the 2006 INTEX-B and MILAGRO campaigns: potential evidence for significant impacts of unmeasured and multi-generation volatile organic carbon compounds. Atmospheric Chemistry and Physics, 2011, 11, 11867-11894.	1.9	46
139	Impact of organic nitrates on urban ozone production. Atmospheric Chemistry and Physics, 2011, 11, 4085-4094.	1.9	78
140	A high spatial resolution retrieval of NO₂ column densities from OMI: method and evaluation. Atmospheric Chemistry and Physics, 2011, 11, 8543-8554.	1.9	133
141	Photochemical modeling of glyoxal at a rural site: observations and analysis from BEARPEX 2007. Atmospheric Chemistry and Physics, 2011, 11, 8883-8897.	1.9	41
142	Observation of slant column NO₂ using the super-zoom mode of AURA-OMI. Atmospheric Measurement Techniques, 2011, 4, 1929-1935.	1.2	18
143	A relaxed eddy accumulation system for measuring vertical fluxes of nitrous acid. Atmospheric Measurement Techniques, 2011, 4, 2093-2103.	1.2	76
144	Data Quality and Validation of Satellite Measurements of Tropospheric Composition. Physics of Earth and Space Environments, 2011, , 315-364.	0.5	2

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145	A regional scale modeling analysis of aerosol and trace gas distributions over the eastern Pacific during the INTEX-B field campaign. Atmospheric Chemistry and Physics, 2010, 10, 2091-2115.	1.9	43
146	Measurement of atmospheric nitrous acid at Bodgett Forest during BEARPEX2007. Atmospheric Chemistry and Physics, 2010, 10, 6283-6294.	1.9	55
147	Nitrogen oxides and PAN in plumes from boreal fires during ARCTAS-B and their impact on ozone: an integrated analysis of aircraft and satellite observations. Atmospheric Chemistry and Physics, 2010, 10, 9739-9760.	1.9	234
148	Chemistry of hydrogen oxide radicals (HO_x) in the Arctic troposphere in spring. Atmospheric Chemistry and Physics, 2010, 10, 5823-5838.	1.9	220
149	Corrigendum to "Measurement of atmospheric nitrous acid at Blodgett Forest during BEARPEX2007" published in Atmos. Chem. Phys., 10, 6283-6294, 2010. Atmospheric Chemistry and Physics, 2010, 10, 6501-6501.	1.9	0
150	The production and persistence of Î£RONO₂ in the Mexico City plume. Atmospheric Chemistry and Physics, 2010, 10, 7215-7229.	1.9	61
151	Observations of elevated formaldehyde over a forest canopy suggest missing sources from rapid oxidation of arboreal hydrocarbons. Atmospheric Chemistry and Physics, 2010, 10, 8761-8781.	1.9	50
152	Interannual variability in soil nitric oxide emissions over the United States as viewed from space. Atmospheric Chemistry and Physics, 2010, 10, 9943-9952.	1.9	87
153	Trans-Pacific transport of reactive nitrogen and ozone to Canada during spring. Atmospheric Chemistry and Physics, 2010, 10, 8353-8372.	1.9	48
154	Pollution influences on atmospheric composition and chemistry at high northern latitudes: Boreal and California forest fire emissions. Atmospheric Environment, 2010, 44, 4553-4564.	1.9	131
155	Intercomparison of measurements of NO₂ concentrations in the atmosphere simulation chamber SAPHIR during the NO3Comp campaign. Atmospheric Measurement Techniques, 2010, 3, 21-37.	1.2	77
156	Elemental analysis of aerosol organic nitrates with electron ionization high-resolution mass spectrometry. Atmospheric Measurement Techniques, 2010, 3, 301-310.	1.2	63
157	Total Peroxy Nitrates (Î£PNs) in the atmosphere: the Thermal Dissociation-Laser Induced Fluorescence (TD-LIF) technique and comparisons to speciated PAN measurements. Atmospheric Measurement Techniques, 2010, 3, 593-607.	1.2	95
158	Testing and improving OMI DOMINO tropospheric NO₂ using observations from the DANDELIONS and INTEXâ€B validation campaigns. Journal of Geophysical Research, 2010, 115, .	3.3	103
159	Lightningâ€generated NO_x seen by the Ozone Monitoring Instrument during NASA's Tropical Composition, Cloud and Climate Coupling Experiment (TC⁴). Journal of Geophysical Research, 2010, 115, .	3.3	65
160	Space-based Constraints on Spatial and Temporal Patterns of NO_x Emissions in California, 2005â˜2008. Environmental Science & Technology, 2010, 44, 3608-3615.	4.6	108
161	Effect of Surface Active Ions on the Rate of Water Evaporation. Journal of Physical Chemistry C, 2010, 114, 11880-11885.	1.5	24
162	Real Time In Situ Detection of Organic Nitrates in Atmospheric Aerosols. Environmental Science & Technology, 2010, 44, 5540-5545.	4.6	87

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