Ronald C Cohen

List of Publications by Year in Descending Order

347 papers	18,560 citations	80 h-index	120 g-index
423 ext. papers	20,939 ext. citations	7.3 avg, IF	6.44 L-index

#	Paper	IF	Citations
347	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	4	2
346	Leaf Stomatal Uptake of Alkyl Nitrates. *Environmental Science and Technology Letters*, **2022**, 9, 186-190	11	1
345	Accelerated reduction of air pollutants in China, 2017-2020. *Science of the Total Environment*, **2022**, 803, 150011	10.2	5
344	Assessing vehicle fuel efficiency using a dense network of CO₂ observations. *Atmospheric Chemistry and Physics*, **2022**, 22, 3891-3900	6.8	1
343	Combining Machine Learning and Satellite Observations to Predict Spatial and Temporal Variation of near Surface OH in North American Cities.. *Environmental Science & Technology*, **2022**,	10.3	2
342	Observing Annual Trends in Vehicular CO Emissions.. *Environmental Science & Technology*, **2022** ,	10.3	1
341	Photochemical evolution of the 2013 California Rim Fire: synergistic impacts of reactive hydrocarbons and enhanced oxidants. *Atmospheric Chemistry and Physics*, **2022**, 22, 4253-4275	6.8	2
340	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	11.5	1
339	Direct Retrieval of NO2 Vertical Columns from UV-Vis (390-495 nm) Spectral Radiances Using a Neural Network. *Journal of Remote Sensing*, **2022**, 2022, 1-17		0
338	Extreme events driving year-to-year differences in gross primary productivity across the US. *Biogeosciences*, **2021**, 18, 6579-6588	4.6	2
337	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	6.8	5
336	Impact of OA on the Temperature Dependence of PM 2.5 in the Los Angeles Basin. *Environmental Science & Technology*, **2021**, 55, 3549-3558	10.3	7
335	Space-Borne Estimation of Volcanic Sulfate Aerosol Lifetime. *Journal of Geophysical Research D: Atmospheres*, **2021**, 126, e2020JD033883	4.4	1
334	The potential for geostationary remote sensing of NO₂ to improve weather prediction. *Atmospheric Chemistry and Physics*, **2021**, 21, 9573-9583	6.8	2
333	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	4	3
332	Contribution of Organic Nitrates to Organic Aerosol over South Korea during KORUS-AQ. *Environmental Science & Technology*, **2021**,	10.3	1
331	Evidence of Nighttime Production of Organic Nitrates During SEAC4RS, FRAPP and KORUS-AQ. *Geophysical Research Letters*, **2020**, 47, e2020GL087860	4.9	2

330	Assessment of NO observations during DISCOVER-AQ and KORUS-AQ field campaigns. *Atmospheric Measurement Techniques*, **2020**, 13,	4	14
329	A´model-based analysis of foliar NO_{<i>x</i>} deposition. *Atmospheric Chemistry and Physics*, **2020**, 20, 2123-2141	6.8	6
328	Observing U.S. Regional Variability in Lightning NO2 Production Rates. *Journal of Geophysical Research D: Atmospheres*, **2020**, 125, e2019JD031362	4.4	7
327	The changing role of organic nitrates in the removal and transport of NO_{<i>x</i>}. *Atmospheric Chemistry and Physics*, **2020**, 20, 267-279	6.8	14
326	Leaf Stomatal Control over Acyl Peroxynitrate Dry Deposition to Trees. *ACS Earth and Space Chemistry*, **2020**, 4, 2162-2170	3.2	4
325	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	6.8	6
324	A double peak in the seasonality of California's photosynthesis as observed from space. *Biogeosciences*, **2020**, 17, 405-422	4.6	39
323	The Role of Temperature and NO in Ozone Trends in the Los Angeles Basin. *Environmental Science & Technology*, **2020**, 54, 15652-15659	10.3	15
322	Observed Impacts of COVID-19 on Urban CO2 Emissions. *Geophysical Research Letters*, **2020**, 47, e2020GL090037	4.9	26
321	Concentrations and Adsorption Isotherms for Amphiphilic Surfactants in PM Aerosols from Different Regions of Europe. *Environmental Science & Technology*, **2019**, 53, 12379-12388	10.3	12
320	Deliberating performance targets workshop: Potential paths for emerging PM and O air sensor progress. *Atmospheric Environment: X*, **2019**, 2, 100031	2.8	27
319	Evaluation of version 3.0B of the BEHR OMI NO₂ product. *Atmospheric Measurement Techniques*, **2019**, 12, 129-146	4	17
318	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	6.8	7
317	Vapor-pressure pathways initiate but hydrolysis products dominate the aerosol estimated from organic nitrates. *ACS Earth and Space Chemistry*, **2019**, 3, 1426-1437	3.2	18
316	Properties of Seawater Surfactants Associated with Primary Marine Aerosol Particles Produced by Bursting Bubbles at a Model Air-Sea Interface. *Environmental Science & Technology*, **2019**, 53, 9407-9417	10.3	16
315	Using satellite observations of tropospheric NO₂ columns to infer long-term trends in US NO_{<i>x</i>} emissions: the importance of accounting for the free tropospheric NO₂ background. *Atmospheric Chemistry and Physics*, **2019**, 19, 8863-8878	6.8	55
314	Marine Aerosol Production via Detrainment of Bubble Plumes Generated in Natural Seawater With a Forced-Air Venturi. *Journal of Geophysical Research D: Atmospheres*, **2019**, 124, 10931-10950	4.4	5
313	Comparison of Airborne Reactive Nitrogen Measurements During WINTER. *Journal of Geophysical Research D: Atmospheres*, **2019**, 124, 10483-10502	4.4	4

312	Direct observation of changing NO lifetime in North American cities. *Science*, **2019**, 366, 723-727	33.3	76
311	Lightning NO₂ simulation over the contiguous US and its effects on satellite NO₂ retrievals. *Atmospheric Chemistry and Physics*, **2019**, 19, 13067-13078	6.8	11
310	Anthropogenic control over wintertime oxidation of atmospheric pollutants. *Geophysical Research Letters*, **2019**, 46, 14826-14835	4.9	20
309	Effects of temperature-dependent NO_{<i>x</i>} emissions on continental ozone production. *Atmospheric Chemistry and Physics*, **2018**, 18, 2601-2614	6.8	33
308	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	4.4	69
307	Characterizing CO and NOy 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	4.4	10
306	Wintertime Overnight NOx Removal in a Southeastern United States Coal-fired Power Plant Plume: A Model for Understanding Winter NOx Processing and its Implications. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 1412-1425	4.4	13
305	Influence of surfactants on growth of individual aqueous coarse mode aerosol particles. *Aerosol Science and Technology*, **2018**, 52, 459-469	3.4	11
304	Synthesis of the Southeast Atmosphere Studies: Investigating Fundamental Atmospheric Chemistry Questions. *Bulletin of the American Meteorological Society*, **2018**, 99, 547-567	6.1	50
303	Decadal changes in summertime reactive oxidized nitrogen and surface ozone over the Southeast United States. *Atmospheric Chemistry and Physics*, **2018**, 18, 2341-2361	6.8	24
302	Southeast Atmosphere Studies: learning from model-observation syntheses. *Atmospheric Chemistry and Physics*, **2018**, 18, 2615-2651	6.8	31
301	Flight Deployment of a High-Resolution Time-of-Flight Chemical Ionization Mass Spectrometer: Observations of Reactive Halogen and Nitrogen Oxide Species. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 7670	4.4	25
300	Observed NO/NO2 Ratios in the Upper Troposphere Imply Errors in NO-NO2-O3 Cycling Kinetics or an Unaccounted NOx Reservoir. *Geophysical Research Letters*, **2018**, 45, 4466-4474	4.9	24
299	NOx Lifetime and NOy Partitioning During WINTER. *Journal of Geophysical Research D: Atmospheres* , **2018**, 123, 9813-9827	4.4	32
298	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	11.5	15
297	Modeling NHNO Over the San Joaquin Valley During the 2013 DISCOVER-AQ Campaign. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 4727-4745	4.4	15
296	The Berkeley High Resolution Tropospheric NO₂ product. *Earth System Science Data*, **2018**, 10, 2069-2095	10.5	24
295	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	6.8	15

294	Measurements of NO and NO₂ exchange between the atmosphere and <i>Quercus agrifolia</i>. *Atmospheric Chemistry and Physics*, **2018**, 18, 14161-14173	6.8	16
293	Atmospheric oxidation in the presence of clouds during the Deep Convective Clouds and Chemistry (DC3) study. *Atmospheric Chemistry and Physics*, **2018**, 18, 14493-14510	6.8	8
292	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	5	12
291	Constraints on Aerosol Nitrate Photolysis as a Potential Source of HONO and NO. *Environmental Science & Technology*, **2018**, 52, 13738-13746	10.3	43
290	A comprehensive organic nitrate chemistry: insights into the lifetime of atmospheric organic nitrates. *Atmospheric Chemistry and Physics*, **2018**, 18, 15419-15436	6.8	31
289	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	4.4	24
288	Observing local CO₂ sources using low-cost, near-surface urban monitors. *Atmospheric Chemistry and Physics*, **2018**, 18, 13773-13785	6.8	14
287	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	4.4	32
286	The BErkeley Atmospheric CO₂ Observation Network: field calibration and evaluation of low-cost air quality sensors. *Atmospheric Measurement Techniques*, **2018**, 11, 1937-1946	4	36
285	Quantification of the effect of modeled lightning NO₂ on UV□isible air mass factors. *Atmospheric Measurement Techniques*, **2017**, 10, 4403-4419	4	17
284	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	4	15
283	Lightning NOx Emissions: Reconciling Measured and Modeled Estimates With Updated NOx Chemistry. *Geophysical Research Letters*, **2017**, 44, 9479-9488	4.9	36
282	Validating novel air pollution sensors to improve exposure estimates for epidemiological analyses and citizen science. *Environmental Research*, **2017**, 158, 286-294	7.9	74
281	Tropospheric Emissions: Monitoring of Pollution (TEMPO). *Journal of Quantitative Spectroscopy and Radiative Transfer*, **2017**, 186, 17-39	2.1	163
280	Assimilation of satellite NO₂ observations at high spatial resolution using OSSEs. *Atmospheric Chemistry and Physics*, **2017**, 17, 7067-7081	6.8	15
279	Nitrate radicals and biogenic volatile organic compounds: oxidation, mechanisms, and organic aerosol. *Atmospheric Chemistry and Physics*, **2017**, 17, 2103-2162	6.8	206
278	NO_x emissions, isoprene oxidation pathways, vertical mixing, and implications for surface ozone in the Southeast United States **2016**,		8
277	Assimilation of satellite NO₂ observations at high spatial resolution **2016**,		1

276	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	4.4	20
275	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	6.8	45
274	Reactive nitrogen partitioning and its relationship to winter ozone events in Utah. *Atmospheric Chemistry and Physics*, **2016**, 16, 573-583	6.8	19
273	The BErkeley Atmospheric CO₂ Observation Network: initial evaluation. *Atmospheric Chemistry and Physics*, **2016**, 16, 13449-13463	6.8	53
272	Network design for quantifying urban CO₂ emissions: assessing trade-offs between precision and network density. *Atmospheric Chemistry and Physics*, **2016**, 16, 13465-13475	6.8	37
271	Why do Models Overestimate Surface Ozone in the Southeastern United States?. *Atmospheric Chemistry and Physics*, **2016**, 16, 13561-13577	6.8	239
270	Effects of daily meteorology on the interpretation of space-based remote sensing of NO₂. *Atmospheric Chemistry and Physics*, **2016**, 16, 15247-15264	6.8	41
269	On the effectiveness of nitrogen oxide reductions as a control over ammonium nitrate aerosol. *Atmospheric Chemistry and Physics*, **2016**, 16, 2575-2596	6.8	41
268	Organic nitrate chemistry and its implications for nitrogen budgets in an isoprene- and monoterpene-rich atmosphere: constraints from aircraft (SEACRS) and ground-based (SOAS) observations in the Southeast US. *Atmospheric Chemistry and Physics*, **2016**, 16, 5969-5991	6.8	129
267	The lifetime of nitrogen oxides in an isoprene-dominated forest. *Atmospheric Chemistry and Physics*, **2016**, 16, 7623-7637	6.8	49
266	Simulating reactive nitrogen, carbon monoxide, and ozone in California during ARCTAS-CARB 2008 with high wildfire activity. *Atmospheric Environment*, **2016**, 128, 28-44	5.3	19
265	Anionic, Cationic, and Nonionic Surfactants in Atmospheric Aerosols from the Baltic Coast at Ask Sweden: Implications for Cloud Droplet Activation. *Environmental Science & Technology*, **2016**, 50, 2974-82	10.3	41
264	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, 1516-21	11.5	195
263	Observational Constraints on the Oxidation of NOx in the Upper Troposphere. *Journal of Physical Chemistry A*, **2016**, 120, 1468-78	2.8	20
262	Network design for quantifying urban CO₂ emissions: Assessing trade-offs between precision and network density **2016**,		1
261	Nitrate radicals and biogenic volatile organic compounds: oxidation, mechanisms and organic aerosol **2016**,		3
260	Effects of daily meteorology on the interpretation of space-based remote sensing of NO₂ **2016**,		1
259	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 **2016**,		3

258	The Lifetime of Nitrogen Oxides in an Isoprene Dominated Forest **2016**,		1
257	Ozone production chemistry in the presence of urban plumes. *Faraday Discussions*, **2016**, 189, 169-89	3.6	37
256	Testing Atmospheric Oxidation in an Alabama Forest. *Journals of the Atmospheric Sciences*, **2016**, 73, 4699-4710	2.1	42
255	Measurements of CH₃O₂NO₂ in the upper troposphere. *Atmospheric Measurement Techniques*, **2015**, 8, 987-997	4	28
254	Temperature and recent trends in the chemistry of continental surface ozone. *Chemical Reviews*, **2015**, 115, 3898-918	68.1	102
253	An Atmospheric Constraint on the NO2 Dependence of Daytime Near-Surface Nitrous Acid (HONO). *Environmental Science & Technology*, **2015**, 49, 12774-81	10.3	23
252	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	3.2	25
251	Hydroxy nitrate production in the OH-initiated oxidation of alkenes. *Atmospheric Chemistry and Physics*, **2015**, 15, 4297-4316	6.8	43
250	The POLARCAT Model Intercomparison Project (POLMIP): overview and evaluation with observations. *Atmospheric Chemistry and Physics*, **2015**, 15, 6721-6744	6.8	52
249	Particulate organic nitrates observed in an oil and natural gas production region during wintertime. *Atmospheric Chemistry and Physics*, **2015**, 15, 9313-9325	6.8	11
248	Organic nitrate aerosol formation via NO₃ + biogenic volatile organic compounds in the southeastern United States. *Atmospheric Chemistry and Physics*, **2015**, 15, 13377-13392	6.8	90
247	Biomass burning dominates brown carbon absorption in the rural southeastern United States. *Geophysical Research Letters*, **2015**, 42, 653-664	4.9	173
246	The Deep Convective Clouds and Chemistry (DC3) Field Campaign. *Bulletin of the American Meteorological Society*, **2015**, 96, 1281-1309	6.1	140
245	On rates and mechanisms of OH and O3 reactions with isoprene-derived hydroxy nitrates. *Journal of Physical Chemistry A*, **2014**, 118, 1622-37	2.8	88
244	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	4.4	54
243	Space-based observations of fire NO_x emission coefficients: a global biome-scale comparison. *Atmospheric Chemistry and Physics*, **2014**, 14, 2509-2524	6.8	26
242	On the role of monoterpene chemistry in the remote continental boundary layer. *Atmospheric Chemistry and Physics*, **2014**, 14, 1225-1238	6.8	32
241	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	6.8	25

240	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	6.8	61
239	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	6.8	29
238	Chemical feedback effects on the spatial patterns of the NO_x weekend effect: a sensitivity analysis. *Atmospheric Chemistry and Physics*, **2014**, 14, 1-9	6.8	48
237	Secondary organic aerosol formation and organic nitrate yield from NO3 oxidation of biogenic hydrocarbons. *Environmental Science & Technology*, **2014**, 48, 11944-53	10.3	134
236	An observational perspective on the atmospheric impacts of alkyl and multifunctional nitrates on ozone and secondary organic aerosol. *Chemical Reviews*, **2013**, 113, 5848-70	68.1	147
235	Observational insights into aerosol formation from isoprene. *Environmental Science & Technology*, **2013**, 47, 11403-13	10.3	95
234	Cation-cation contact pairing in water: guanidinium. *Journal of Chemical Physics*, **2013**, 139, 035104	3.9	55
233	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	4.4	178
232	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, 11634-9	3.6	18
231	Observation of rates and products in the reaction of NO3 with submicron squalane and squalene aerosol. *Physical Chemistry Chemical Physics*, **2013**, 15, 882-92	3.6	13
230	Gas/particle partitioning of total alkyl nitrates observed with TD-LIF in Bakersfield. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 6651-6662	4.4	44
229	Variations of OH radical in an urban plume inferred from NO2 column measurements. *Geophysical Research Letters*, **2013**, 40, 1856-1860	4.9	77
228	Observations of a seasonal cycle in NOx emissions from fires in African woody savannas. *Geophysical Research Letters*, **2013**, 40, 1451-1455	4.9	22
227	Observations of total RONO₂ over the boreal forest: NO_x sinks and HNO₃ sources. *Atmospheric Chemistry and Physics*, **2013**, 13, 4543-4562	6.8	57
226	On the export of reactive nitrogen from Asia: NO_x partitioning and effects on ozone. *Atmospheric Chemistry and Physics*, **2013**, 13, 4617-4630	6.8	13
225	Understanding the impact of recent advances in isoprene photooxidation on simulations of regional air quality. *Atmospheric Chemistry and Physics*, **2013**, 13, 8439-8455	6.8	84
224	Observations of gas- and aerosol-phase organic nitrates at BEACHON-RoMBAS 2011. *Atmospheric Chemistry and Physics*, **2013**, 13, 8585-8605	6.8	123
223	Ozone and organic nitrates over the eastern United States: Sensitivity to isoprene chemistry. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 11,256-11,268	4.4	182

222	Evidence for NO(x) control over nighttime SOA formation. *Science*, **2012**, 337, 1210-2	33.3	200
221	Comparison of N₂O₅ mixing ratios during NO3Comp 2007 in SAPHIR. *Atmospheric Measurement Techniques*, **2012**, 5, 2763-2777	4	17
220	Comparison of N₂O₅ mixing ratios during NO3Comp 2007 in SAPHIR **2012**,		1
219	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	6.8	214
218	Steps towards a mechanistic model of global soil nitric oxide emissions: implementation and space based-constraints. *Atmospheric Chemistry and Physics*, **2012**, 12, 7779-7795	6.8	236
217	Effects of biogenic nitrate chemistry on the NO_x lifetime in remote continental regions. *Atmospheric Chemistry and Physics*, **2012**, 12, 11917-11932	6.8	66
216	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	6.8	88
215	Combining Bayesian methods and aircraft observations to constrain the HO[.] + NO₂ reaction rate. *Atmospheric Chemistry and Physics*, **2012**, 12, 653-667	6.8	27
214	Insights into hydroxyl measurements and atmospheric oxidation in a California forest. *Atmospheric Chemistry and Physics*, **2012**, 12, 8009-8020	6.8	175
213	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	6.8	14
212	On the observed response of ozone to NO_x and VOC reactivity reductions in San Joaquin Valley California 1995□present. *Atmospheric Chemistry and Physics*, **2012**, 12, 8323-8339	6.8	108
211	Effects of model resolution on the interpretation of satellite NO₂ observations. *Atmospheric Chemistry and Physics*, **2011**, 11, 11647-11655	6.8	115
210	Evaluation of simulated photochemical partitioning of oxidized nitrogen in the upper troposphere. *Atmospheric Chemistry and Physics*, **2011**, 11, 275-291	6.8	34
209	Global and regional effects of the photochemistry of CH₃O₂NO₂: evidence from ARCTAS. *Atmospheric Chemistry and Physics*, **2011**, 11, 4209-4219	6.8	41
208	The Chemistry of Atmosphere-Forest Exchange (CAFE) Model □Part 2: Application to BEARPEX-2007 observations. *Atmospheric Chemistry and Physics*, **2011**, 11, 1269-1294	6.8	67
207	SOA from limonene: role of NO₃ in its generation and degradation. *Atmospheric Chemistry and Physics*, **2011**, 11, 3879-3894	6.8	101
206	Characterization of wildfire NO_x emissions using MODIS fire radiative power and OMI tropospheric NO₂ columns. *Atmospheric Chemistry and Physics*, **2011**, 11, 5839-5851	6.8	68
205	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	6.8	32

204	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	6.8	32
203	Impact of organic nitrates on urban ozone production. *Atmospheric Chemistry and Physics*, **2011**, 11, 4085-4094	6.8	66
202	A high spatial resolution retrieval of NO₂ column densities from OMI: method and evaluation. *Atmospheric Chemistry and Physics*, **2011**, 11, 8543-8554	6.8	113
201	Photochemical modeling of glyoxal at a rural site: observations and analysis from BEARPEX 2007. *Atmospheric Chemistry and Physics*, **2011**, 11, 8883-8897	6.8	39
200	Observation of slant column NO₂ using the super-zoom mode of AURA-OMI **2011**,		4
199	Observation of slant column NO₂ using the super-zoom mode of AURA-OMI. *Atmospheric Measurement Techniques*, **2011**, 4, 1929-1935	4	12
198	A relaxed eddy accumulation system for measuring vertical fluxes of nitrous acid. *Atmospheric Measurement Techniques*, **2011**, 4, 2093-2103	4	65
197	A relaxed eddy accumulation system for measuring vertical fluxes of nitrous acid **2011**,		1
196	Data Quality and Validation of Satellite Measurements of Tropospheric Composition. *Physics of Earth and Space Environments*, **2011**, 315-364		2
195	Intercomparison of measurements of NO₂ concentrations in the atmosphere simulation chamber SAPHIR during the NO3Comp campaign. *Atmospheric Measurement Techniques*, **2010**, 3, 21-37	4	63
194	Elemental analysis of aerosol organic nitrates with electron ionization high-resolution mass spectrometry. *Atmospheric Measurement Techniques*, **2010**, 3, 301-310	4	49
193	Total Peroxy Nitrates (ΣPNs) 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	4	72
192	Testing and improving OMI DOMINO tropospheric NO2 using observations from the DANDELIONS and INTEX-B validation campaigns. *Journal of Geophysical Research*, **2010**, 115,		90
191	Lightning-generated NOx seen by the Ozone Monitoring Instrument during NASA's Tropical Composition, Cloud and Climate Coupling Experiment (TC4). *Journal of Geophysical Research*, **2010**, 115,		57
190	Space-based constraints on spatial and temporal patterns of NO(x) emissions in California, 2005-2008. *Environmental Science & Technology*, **2010**, 44, 3608-15	10.3	101
189	Effect of Surface Active Ions on the Rate of Water Evaporation. *Journal of Physical Chemistry C*, **2010**, 114, 11880-11885	3.8	19
188	Real time in situ detection of organic nitrates in atmospheric aerosols. *Environmental Science & Technology*, **2010**, 44, 5540-5	10.3	74
187	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	6.8	37

186	Measurement of atmospheric nitrous acid at Bodgett Forest during BEARPEX2007. *Atmospheric Chemistry and Physics*, **2010**, 10, 6283-6294	6.8	52
185	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	6.8	188
184	Chemistry of hydrogen oxide radicals (HO_x) in the Arctic troposphere in spring. *Atmospheric Chemistry and Physics*, **2010**, 10, 5823-5838	6.8	184
183	The production and persistence of RONO₂ in the Mexico City plume. *Atmospheric Chemistry and Physics*, **2010**, 10, 7215-7229	6.8	51
182	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	6.8	44
181	Interannual variability in soil nitric oxide emissions over the United States as viewed from space. *Atmospheric Chemistry and Physics*, **2010**, 10, 9943-9952	6.8	70
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56	Interannual variability in soil nitric oxide emissions over the United States as viewed from space		2
55	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		1
54	Evaluation of simulated photochemical partitioning of oxidized nitrogen in the upper troposphere		2
53	Measurement of atmospheric nitrous acid at Blodgett Forest during BEARPEX2007		1
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