

# Paul O Wennberg

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

391  
papers

27,792  
citations

88  
h-index

155  
g-index

459  
ext. papers

32,125  
ext. citations

7.2  
avg, IF

6.6  
L-index

#	Paper	IF	Citations
391	An 11-year record of XCO <sub>2</sub> estimates derived from GOSAT measurements using the NASA ACOS version 9 retrieval algorithm. <i>Earth System Science Data</i> , <b>2022</b> , 14, 325-360	10.5	2
390	Observations of atmospheric oxidation and ozone production in South Korea. <i>Atmospheric Environment</i> , <b>2022</b> , 269, 118854	5.3	1
389	Photochemical evolution of the 2013 California Rim Fire: synergistic impacts of reactive hydrocarbons and enhanced oxidants. <i>Atmospheric Chemistry and Physics</i> , <b>2022</b> , 22, 4253-4275	6.8	2
388	Hydrotrioxide (ROOOH) formation in the atmosphere. <i>Science</i> , <b>2022</b> , 376, 979-982	33.3	4
387	Ozone chemistry in western U.S. wildfire plumes. <i>Science Advances</i> , <b>2021</b> , 7, eabl3648	14.3	6
386	THE NASA ATMOSPHERIC TOMOGRAPHY (ATom) MISSION: Imaging the Chemistry of the Global Atmosphere. <i>Bulletin of the American Meteorological Society</i> , <b>2021</b> , 1-53	6.1	6
385	Societal shifts due to COVID-19 reveal large-scale complexities and feedbacks between atmospheric chemistry and climate change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	5
384	FORest Canopy Atmosphere Transfer (FORCAST) 2.0: model updates and evaluation with observations at a mixed forest site. <i>Geoscientific Model Development</i> , <b>2021</b> , 14, 6309-6329	6.3	1
383	Regional and Urban Column CO Trends and Anomalies as Observed by MOPITT Over 16 Years. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD033967	4.4	1
382	Improvements to a laser-induced fluorescence instrument for measuring SO <sub>2</sub> impact on accuracy and precision. <i>Atmospheric Measurement Techniques</i> , <b>2021</b> , 14, 2429-2439	4	2
381	Chemical transport models often underestimate inorganic aerosol acidity in remote regions of the atmosphere. <i>Communications Earth &amp; Environment</i> , <b>2021</b> , 2,	6.1	7
380	Hydroxymethanesulfonate (HMS) Formation during Summertime Fog in an Arctic Oil Field. <i>Environmental Science and Technology Letters</i> , <b>2021</b> , 8, 511-518	11	3
379	Unimolecular Reactions Following Indoor and Outdoor Limonene Ozonolysis. <i>Journal of Physical Chemistry A</i> , <b>2021</b> , 125, 669-680	2.8	10
378	Methane retrieved from TROPOMI: improvement of the data product and validation of the first 2 years of measurements. <i>Atmospheric Measurement Techniques</i> , <b>2021</b> , 14, 665-684	4	35
377	Impact of stratospheric air and surface emissions on tropospheric nitrous oxide during ATom. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 11113-11132	6.8	3
376	Boundary layer versus free tropospheric submicron particle formation: A case study from NASA DC-8 observations in the Asian continental outflow during the KORUS-AQ campaign. <i>Atmospheric Research</i> , <b>2021</b> , 264, 105857	5.4	1
375	Rapid hydrolysis of tertiary isoprene nitrate efficiently removes NO from the atmosphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 33011-33016	11.5	15

374	Vertical Transport, Entrainment, and Scavenging Processes Affecting Trace Gases in a Modeled and Observed SEAC4RS Case Study. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2019JD031957	4.4	1
373	Missing OH reactivity in the global marine boundary layer. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 4013-4029	6.8	13
372	Improved Constraints on Northern Extratropical CO <sub>2</sub> Fluxes Obtained by Combining Surface-Based and Space-Based Atmospheric CO <sub>2</sub> Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2019JD032029	4.4	18
371	Cropland Carbon Uptake Delayed and Reduced by 2019 Midwest Floods. <i>AGU Advances</i> , <b>2020</b> , 1, e2019AV000149	5.4	19
370	Airborne formaldehyde and volatile organic compound measurements over the Daesan petrochemical complex on Korea's northwest coast during the Korea-United States Air Quality study. <i>Elementa</i> , <b>2020</b> , 8,	3.6	6
369	Observation-based modeling of ozone chemistry in the Seoul metropolitan area during the Korea-United States Air Quality Study (KORUS-AQ). <i>Elementa</i> , <b>2020</b> , 8,	3.6	19
368	Characterization, sources and reactivity of volatile organic compounds (VOCs) in Seoul and surrounding regions during KORUS-AQ. <i>Elementa</i> , <b>2020</b> , 8,	3.6	22
367	Correcting model biases of CO in East Asia: impact on oxidant distributions during KORUS-AQ. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 14617-14647	6.8	13
366	Constraining remote oxidation capacity with ATom observations. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 7753-7781	6.8	18
365	A decade of GOSAT Proxy satellite CH <sub>4</sub> observations. <i>Earth System Science Data</i> , <b>2020</b> , 12, 3383-3412	10.5	18
364	Exploring Oxidation in the Remote Free Troposphere: Insights From Atmospheric Tomography (ATom). <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2019JD031685	4.4	11
363	OCO-3 early mission operations and initial (vEarly) XCO <sub>2</sub> and SIF retrievals. <i>Remote Sensing of Environment</i> , <b>2020</b> , 251, 112032	13.2	29
362	Fine particle pH and sensitivity to NH <sub>3</sub> and HNO <sub>3</sub> over summertime South Korea during KORUS-AQ <b>2020</b> ,		1
361	Observational Constraints on the Response of High-Latitude Northern Forests to Warming. <i>AGU Advances</i> , <b>2020</b> , 1, e2020AV000228	5.4	8
360	Impacts of Traffic Reductions Associated With COVID-19 on Southern California Air Quality. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL090164	4.9	27
359	New Insights into the Radical Chemistry and Product Distribution in the OH-Initiated Oxidation of Benzene. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 13467-13477	10.3	14
358	Stereoselectivity in Atmospheric Autoxidation. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 6260-6266	6.4	14
357	Unimolecular Reactions of Peroxy Radicals Formed in the Oxidation of $\alpha$ -Pinene and $\beta$ -Pinene by Hydroxyl Radicals. <i>Journal of Physical Chemistry A</i> , <b>2019</b> , 123, 1661-1674	2.8	43

356	How bias correction goes wrong: measurement of $\text{X} \times \text{CO}_2$ affected by erroneous surface pressure estimates. <i>Atmospheric Measurement Techniques</i> , <b>2019</b> , 12, 2241-2259	4	62
355	Mapping hydroxyl variability throughout the global remote troposphere via synthesis of airborne and satellite formaldehyde observations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 11171-11180	11.5	38
354	Atmospheric Acetaldehyde: Importance of Air-Sea Exchange and a Missing Source in the Remote Troposphere. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 5601-5613	4.9	28
353	Solar Occultation FTIR Spectrometry at Mars for Trace Gas Detection: A Sensitivity Study. <i>Earth and Space Science</i> , <b>2019</b> , 6, 836-860	3.1	2
352	Highly Oxygenated Organic Molecules (HOM) from Gas-Phase Autoxidation Involving Peroxy Radicals: A Key Contributor to Atmospheric Aerosol. <i>Chemical Reviews</i> , <b>2019</b> , 119, 3472-3509	68.1	262
351	Atmospheric Methane Emissions Correlate With Natural Gas Consumption From Residential and Commercial Sectors in Los Angeles. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 8563-8571	4.9	17
350	Evaluation of MOPITT Version 7 joint TIR/IR $\text{X} \times \text{CO}_2$ retrievals with TCCON. <i>Atmospheric Measurement Techniques</i> , <b>2019</b> , 12, 5547-5572	4	12
349	Intramolecular Hydrogen Shift Chemistry of Hydroperoxy-Substituted Peroxy Radicals. <i>Journal of Physical Chemistry A</i> , <b>2019</b> , 123, 590-600	2.8	22
348	Gas-Phase Reactions of Isoprene and Its Major Oxidation Products. <i>Chemical Reviews</i> , <b>2018</b> , 118, 3337-3391	39.1	211
347	Computational Comparison of Different Reagent Ions in the Chemical Ionization of Oxidized Multifunctional Compounds. <i>Journal of Physical Chemistry A</i> , <b>2018</b> , 122, 269-279	2.8	31
346	Atmospheric autoxidation is increasingly important in urban and suburban North America. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 64-69	11.5	101
345	Synthesis of the Southeast Atmosphere Studies: Investigating Fundamental Atmospheric Chemistry Questions. <i>Bulletin of the American Meteorological Society</i> , <b>2018</b> , 99, 547-567	6.1	50
344	Decadal changes in summertime reactive oxidized nitrogen and surface ozone over the Southeast United States. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 2341-2361	6.8	24
343	Kinetics and Product Yields of the OH Initiated Oxidation of Hydroxymethyl Hydroperoxide. <i>Journal of Physical Chemistry A</i> , <b>2018</b> , 122, 6292-6302	2.8	19
342	Observed NO/NO <sub>2</sub> Ratios in the Upper Troposphere Imply Errors in NO-NO <sub>2</sub> -O <sub>3</sub> Cycling Kinetics or an Unaccounted NO <sub>x</sub> Reservoir. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 4466-4474	4.9	24
341	Intercomparison of OH and OH reactivity measurements in a high isoprene and low NO environment during the Southern Oxidant and Aerosol Study (SOAS). <i>Atmospheric Environment</i> , <b>2018</b> , 174, 227-236	5.3	18
340	Characteristics of greenhouse gas concentrations derived from ground-based FTS spectra at Anmyeondo, South Korea. <i>Atmospheric Measurement Techniques</i> , <b>2018</b> , 11, 2361-2374	4	4
339	Low-pressure gas chromatography with chemical ionization mass spectrometry for quantification of multifunctional organic compounds in the atmosphere. <i>Atmospheric Measurement Techniques</i> , <b>2018</b> , 11, 6815-6832	4	14

338	Improved retrievals of carbon dioxide from Orbiting Carbon Observatory-2 with the version 8 ACOS algorithm. <i>Atmospheric Measurement Techniques</i> , <b>2018</b> , 11, 6539-6576	4	116
337	Constraints on Aerosol Nitrate Photolysis as a Potential Source of HONO and NO. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 13738-13746	10.3	43
336	Southern California megacity CO <sub>2</sub> , CH <sub>4</sub> , and CO flux estimates using ground- and space-based remote sensing and a Lagrangian model. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 16271-16291	6.8	37
335	Methane on Mars and Habitability: Challenges and Responses. <i>Astrobiology</i> , <b>2018</b> , 18, 1221-1242	3.7	26
334	Mapping carbon monoxide pollution from space down to city scales with daily global coverage. <i>Atmospheric Measurement Techniques</i> , <b>2018</b> , 11, 5507-5518	4	41
333	Global land mapping of satellite-observed CO <sub>2</sub> total columns using spatio-temporal geostatistics. <i>International Journal of Digital Earth</i> , <b>2017</b> , 10, 426-456	3.9	25
332	Isoprene Peroxy Radical Dynamics. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 5367-5377	16.4	85
331	Ambiguity in the causes for decadal trends in atmospheric methane and hydroxyl. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 5367-5372	11.5	161
330	ISS observations offer insights into plant function. <i>Nature Ecology and Evolution</i> , <b>2017</b> , 1, 194	12.3	70
329	Alkoxy Radical Bond Scissions Explain the Anomalously Low Secondary Organic Aerosol and Organonitrate Yields From Pinene + NO. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 2826-2834	6.4	26
328	Airborne measurements of western U.S. wildfire emissions: Comparison with prescribed burning and air quality implications. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 6108-6129	4.4	116
327	Science of the Environmental Chamber <b>2017</b> , 1-93		10
326	The Orbiting Carbon Observatory-2 early science investigations of regional carbon dioxide fluxes. <i>Science</i> , <b>2017</b> , 358,	33.3	106
325	The Orbiting Carbon Observatory (OCO-2) tracks 2-3 peta-gram increase in carbon release to the atmosphere during the 2014-2016 El Niño. <i>Scientific Reports</i> , <b>2017</b> , 7, 13567	4.9	18
324	The Orbiting Carbon Observatory-2: first 18 months of science data products. <i>Atmospheric Measurement Techniques</i> , <b>2017</b> , 10, 549-563	4	132
323	Comparisons of the Orbiting Carbon Observatory-2 (OCO-2) CO <sub>2</sub> measurements with TCCON. <i>Atmospheric Measurement Techniques</i> , <b>2017</b> , 10, 2209-2238	4	161
322	The on-orbit performance of the Orbiting Carbon Observatory-2 (OCO-2) instrument and its radiometrically calibrated products. <i>Atmospheric Measurement Techniques</i> , <b>2017</b> , 10, 59-81	4	170
321	Intercomparability of CO <sub>2</sub> and CH <sub>4</sub> from the United States TCCON sites. <i>Atmospheric Measurement Techniques</i> , <b>2017</b> , 10, 1481-1493	4	13

320	Emissions and topographic effects on column CO <sub>2</sub> ( ) variations, with a focus on the Southern California Megacity. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 7200-7215	4.4	15
319	Lightning NO <sub>x</sub> Emissions: Reconciling Measured and Modeled Estimates With Updated NO <sub>x</sub> Chemistry. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 9479-9488	4.9	36
318	Aerosol scattering effects on water vapor retrievals over the Los Angeles Basin. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 2495-2508	6.8	11
317	Formation of highly oxygenated low-volatility products from cresol oxidation. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 3453-3474	6.8	59
316	Methane emissions from dairies in the Los Angeles Basin. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 7509-7528	6.8	33
315	Kinetics and Products of the Reaction of the First-Generation Isoprene Hydroxy Hydroperoxide (ISOPOOH) with OH. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 1441-51	2.8	84
314	Sensitivity to grid resolution in the ability of a chemical transport model to simulate observed oxidant chemistry under high-isoprene conditions <b>2016</b> ,		2
313	NO <sub>x</sub> emissions, isoprene oxidation pathways, vertical mixing, and implications for surface ozone in the Southeast United States <b>2016</b> ,		8
312	Identification of OSSO as a near-UV absorber in the Venusian atmosphere. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 11,146	4.9	45
311	Convective transport and scavenging of peroxides by thunderstorms observed over the central U.S. during DC3. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 4272-4295	4.4	20
310	Seasonal variability of stratospheric methane: implications for constraining tropospheric methane budgets using total column observations. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 14003-14024	6.8	18
309	SOA formation from the photooxidation of $\alpha$ -pinene: systematic exploration of the simulation of chamber data. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 2785-2802	6.8	47
308	Sensitivity to grid resolution in the ability of a chemical transport model to simulate observed oxidant chemistry under high-isoprene conditions. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 4369-4378	6.8	45
307	Why do Models Overestimate Surface Ozone in the Southeastern United States?. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 13561-13577	6.8	239
306	Quantifying the loss of processed natural gas within California's South Coast Air Basin using long-term measurements of ethane and methane. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 14091-14105	6.8	39
305	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. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 5969-5991	6.8	129
304	The lifetime of nitrogen oxides in an isoprene-dominated forest. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 7623-7637	6.8	49
303	Differential column measurements using compact solar-tracking spectrometers. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 8479-8498	6.8	49



302	Speciation of OH reactivity above the canopy of an isoprene-dominated forest. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 9349-9359	6.8	47
301	Agricultural fires in the southeastern U.S. during SEAC4RS: Emissions of trace gases and particles and evolution of ozone, reactive nitrogen, and organic aerosol. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 7383-7414	4.4	71
300	Wet scavenging of soluble gases in DC3 deep convective storms using WRF-Chem simulations and aircraft observations. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 4233-4257	4.4	24
299	Simulating reactive nitrogen, carbon monoxide, and ozone in California during ARCTAS-CARB 2008 with high wildfire activity. <i>Atmospheric Environment</i> , <b>2016</b> , 128, 28-44	5.3	19
298	Rapid Hydrogen Shift Scrambling in Hydroperoxy-Substituted Organic Peroxy Radicals. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 266-75	2.8	49
297	Atmospheric fates of Criegee intermediates in the ozonolysis of isoprene. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 10241-54	3.6	130
296	James G. Anderson Tribute. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 1317-9	2.8	
295	Production and Fate of C4 Dihydroxycarbonyl Compounds from Isoprene Oxidation. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 106-17	2.8	30
294	Observational Constraints on the Oxidation of NO <sub>x</sub> in the Upper Troposphere. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 1468-78	2.8	20
293	Speciation of OH reactivity above the canopy of an isoprene-dominated forest <b>2016</b> ,		2
292	Investigation of a potential HCHO measurement artifact from ISOPOOH. <i>Atmospheric Measurement Techniques</i> , <b>2016</b> , 9, 4561-4568	4	7
291	Bias corrections of GOSAT SWIR XCO <sub>2</sub> and XCH <sub>4</sub> with TCCON data and their evaluation using aircraft measurement data. <i>Atmospheric Measurement Techniques</i> , <b>2016</b> , 9, 3491-3512	4	30
290	Organic nitrate chemistry and its implications for nitrogen budgets in an isoprene- and monoterpene-rich atmosphere: constraints from aircraft (SEAC <sup>4</sup> RS) and ground-based (SOAS) observations in the Southeast US <b>2016</b> ,		3
289	Assessment of errors and biases in retrievals of X <sub>CO<sub>2</sub></sub> , X <sub>CH<sub>4</sub></sub> , X <sub>CO</sub> , and X <sub>N<sub>2</sub>O</sub> from a 0.5 cm <sup>-1</sup> resolution	4	27
288	GFIT2: an experimental algorithm for vertical profile retrieval from near-IR spectra. <i>Atmospheric Measurement Techniques</i> , <b>2016</b> , 9, 3513-3525	4	11
287	Consistent evaluation of ACOS-GOSAT, BESD-SCIAMACHY, CarbonTracker, and MACC through comparisons to TCCON. <i>Atmospheric Measurement Techniques</i> , <b>2016</b> , 9, 683-709	4	61
286	Improved retrieval of gas abundances from near-infrared solar FTIR spectra measured at the Karlsruhe TCCON station. <i>Atmospheric Measurement Techniques</i> , <b>2016</b> , 9, 669-682	4	19
285	Comparison of XH <sub>2</sub> O Retrieved from GOSAT Short-Wavelength Infrared Spectra with Observations from the TCCON Network. <i>Remote Sensing</i> , <b>2016</b> , 8, 414	5	9

284	The Lifetime of Nitrogen Oxides in an Isoprene Dominated Forest <b>2016</b> ,		1
283	Ozone production chemistry in the presence of urban plumes. <i>Faraday Discussions</i> , <b>2016</b> , 189, 169-89	3.6	37
282	Testing Atmospheric Oxidation in an Alabama Forest. <i>Journals of the Atmospheric Sciences</i> , <b>2016</b> , 73, 4699-4710	2.1	42
281	The Orbiting Carbon Observatory (OCO-2): spectrometer performance evaluation using pre-launch direct sun measurements. <i>Atmospheric Measurement Techniques</i> , <b>2015</b> , 8, 301-313	4	82
280	Formation of Low Volatility Organic Compounds and Secondary Organic Aerosol from Isoprene Hydroxyhydroperoxide Low-NO Oxidation. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 10330-9	10.3	139
279	Mechanism of the hydroxyl radical oxidation of methacryloyl peroxyxynitrate (MPAN) and its pathway toward secondary organic aerosol formation in the atmosphere. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 17914-26	3.6	88
278	Isoprene NO <sub>3</sub> Oxidation Products from the RO <sub>2</sub> + HO <sub>2</sub> Pathway. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 10158-71	2.8	72
277	The Greenhouse Gas Climate Change Initiative (GHG-CCI): Comparison and quality assessment of near-surface-sensitive satellite-derived CO <sub>2</sub> and CH <sub>4</sub> global data sets. <i>Remote Sensing of Environment</i> , <b>2015</b> , 162, 344-362	13.2	79
276	Upper tropospheric ozone production from lightning NO <sub>x</sub> -impacted convection: Smoke ingestion case study from the DC3 campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 2505-2523	4.4	68
275	Hydroxy nitrate production in the OH-initiated oxidation of alkenes. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 4297-4316	6.8	43
274	Sources, seasonality, and trends of southeast US aerosol: an integrated analysis of surface, aircraft, and satellite observations with the GEOS-Chem chemical transport model. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 10411-10433	6.8	168
273	Observation of isoprene hydroxynitrates in the southeastern United States and implications for the fate of NO <sub>x</sub> . <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 11257-11272	6.8	62
272	Organic nitrate aerosol formation via NO <sub>3</sub> + biogenic volatile organic compounds in the southeastern United States. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 13377-13392	6.8	90
271	Estimating global and North American methane emissions with high spatial resolution using GOSAT satellite data. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 7049-7069	6.8	163
270	The Deep Convective Clouds and Chemistry (DC3) Field Campaign. <i>Bulletin of the American Meteorological Society</i> , <b>2015</b> , 96, 1281-1309	6.1	140
269	Quantifying sources and sinks of reactive gases in the lower atmosphere using airborne flux observations. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 8231-8240	4.9	38
268	Rapid deposition of oxidized biogenic compounds to a temperate forest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E392-401	11.5	146
267	Airborne measurements of organosulfates over the continental U.S. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 2990-3005	4.4	77



266	Atmospheric fate of methyl vinyl ketone: peroxy radical reactions with NO and HO <sub>2</sub> . <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 4562-72	2.8	60
265	Gas phase production and loss of isoprene epoxydiols. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 1237-46.8		125
264	On rates and mechanisms of OH and O <sub>3</sub> reactions with isoprene-derived hydroxy nitrates. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 1622-37	2.8	88
263	OH in the tropical upper troposphere and its relationships to solar radiation and reactive nitrogen. <i>Journal of Atmospheric Chemistry</i> , <b>2014</b> , 71, 55-64	3.2	11
262	Conversion of hydroperoxides to carbonyls in field and laboratory instrumentation: Observational bias in diagnosing pristine versus anthropogenically controlled atmospheric chemistry. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 8645-8651	4.9	83
261	A tropical West Pacific OH minimum and implications for stratospheric composition. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 4827-4841	6.8	46
260	Overview of the Focused Isoprene eXperiment at the California Institute of Technology (FIXCIT): mechanistic chamber studies on the oxidation of biogenic compounds. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 13531-13549	6.8	50
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