Allen Goldstein

List of Publications by Citations

434 papers	36,930 citations	93 h-index	179 g-index
532 ext. papers	42,048 ext. citations	7.6 avg, IF	6.93 L-index

#	Paper	IF	Citations
434	The formation, properties and impact of secondary organic aerosol: current and emerging issues. *Atmospheric Chemistry and Physics*, **2009**, 9, 5155-5236	6.8	2861
433	FLUXNET: A New Tool to Study the Temporal and Spatial Variability of Ecosystem‐Scale Carbon Dioxide, Water Vapor, and Energy Flux Densities. *Bulletin of the American Meteorological Society*, **2001**, 82, 2415-2434	6.1	2615
432	Energy balance closure at FLUXNET sites. *Agricultural and Forest Meteorology*, **2002**, 113, 223-243	5.8	1633
431	Known and unknown organic constituents in the Earth's atmosphere. *Environmental Science & Technology*, **2007**, 41, 1514-21	10.3	1119
430	Environmental controls over carbon dioxide and water vapor exchange of terrestrial vegetation. *Agricultural and Forest Meteorology*, **2002**, 113, 97-120	5.8	965
429	Modeling and measuring the effects of disturbance history and climate on carbon and water budgets in evergreen needleleaf forests. *Agricultural and Forest Meteorology*, **2002**, 113, 185-222	5.8	694
428	Seasonality of ecosystem respiration and gross primary production as derived from FLUXNET measurements. *Agricultural and Forest Meteorology*, **2002**, 113, 53-74	5.8	540
427	Volatile chemical products emerging as largest petrochemical source of urban organic emissions. *Science*, **2018**, 359, 760-764	33.3	421
426	Deriving a light use efficiency model from eddy covariance flux data for predicting daily gross primary production across biomes. *Agricultural and Forest Meteorology*, **2007**, 143, 189-207	5.8	417
425	Observed increase in local cooling effect of deforestation at higher latitudes. *Nature*, **2011**, 479, 384-7	50.4	403
424	Effects of anthropogenic emissions on aerosol formation from isoprene and monoterpenes in the southeastern United States. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 37-42	11.5	393
423	Recent advances in understanding secondary organic aerosol: Implications for global climate forcing. *Reviews of Geophysics*, **2017**, 55, 509-559	23.1	359
422	Global estimates of evapotranspiration and gross primary production based on MODIS and global meteorology data. *Remote Sensing of Environment*, **2010**, 114, 1416-1431	13.2	351
421	Ecosystem carbon dioxide fluxes after disturbance in forests of North America. *Journal of Geophysical Research*, **2010**, 115,		328
420	Microbial soil respiration and its dependency on carbon inputs, soil temperature and moisture. *Global Change Biology*, **2007**, 13, 2018-2035	11.4	325
419	Elucidating secondary organic aerosol from diesel and gasoline vehicles through detailed characterization of organic carbon emissions. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 18318-23	11.5	322
418	A new model of gross primary productivity for North American ecosystems based solely on the enhanced vegetation index and land surface temperature from MODIS. *Remote Sensing of Environment*, **2008**, 112, 1633-1646	13.2	302

417	Contribution of first- versus second-generation products to secondary organic aerosols formed in the oxidation of biogenic hydrocarbons. *Environmental Science & Technology*, **2006**, 40, 2283-97	10.3	302
416	Predicted change in global secondary organic aerosol concentrations in response to future climate, emissions, and land use change. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		291
415	Gas-phase products and secondary aerosol yields from the photooxidation of 16 different terpenes. *Journal of Geophysical Research*, **2006**, 111,		280
414	Effects of climate variability on the carbon dioxide, water, and sensible heat fluxes above a ponderosa pine plantation in the Sierra Nevada (CA). *Agricultural and Forest Meteorology*, **2000**, 101, 113-129	5.8	259
413	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. *Scientific Data*, **2020**, 7, 225	8.2	256
412	Biogenic carbon and anthropogenic pollutants combine to form a cooling haze over the southeastern United States. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 8835-40	11.5	251
411	Sources and properties of Amazonian aerosol particles. *Reviews of Geophysics*, **2010**, 48,	23.1	237
410	Review of Urban Secondary Organic Aerosol Formation from Gasoline and Diesel Motor Vehicle Emissions. *Environmental Science & Technology*, **2017**, 51, 1074-1093	10.3	229
409	Fluxes of oxygenated volatile organic compounds from a ponderosa pine plantation. *Journal of Geophysical Research*, **2001**, 106, 3111-3123		218
408	Hygroscopicity of secondary organic aerosols formed by oxidation of cycloalkenes, monoterpenes, sesquiterpenes, and related compounds. *Atmospheric Chemistry and Physics*, **2006**, 6, 2367-2388	6.8	217
407	Reduction in carbon uptake during turn of the century drought in western North America. *Nature Geoscience*, **2012**, 5, 551-556	18.3	216
406	On the use of MODIS EVI to assess gross primary productivity of North American ecosystems. *Journal of Geophysical Research*, **2006**, 111,		215
405	Global isoprene emissions estimated using MEGAN, ECMWF analyses and a detailed canopy environment model. *Atmospheric Chemistry and Physics*, **2008**, 8, 1329-1341	6.8	213
404	Organic aerosol composition and sources in Pasadena, California, during the 2010 CalNex campaign. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 9233-9257	4.4	201
403	Evidence for NO(x) control over nighttime SOA formation. *Science*, **2012**, 337, 1210-2	33.3	200
402	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
401	International Consortium for Atmospheric Research on Transport and Transformation (ICARTT): North America to Europe□Overview of the 2004 summer field study. *Journal of Geophysical Research*, **2006**, 111,		195
400	Observations of oxidation products above a forest imply biogenic emissions of very reactive compounds. *Atmospheric Chemistry and Physics*, **2005**, 5, 67-75	6.8	191

399	An In-Situ Instrument for Speciated Organic Composition of Atmospheric Aerosols: Thermal Desorption Aerosol GC/MS-FID (TAG). *Aerosol Science and Technology*, **2006**, 40, 627-638	3.4	190
398	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. *Astrophysical Journal Letters*, **2016**, 826, L13	7.9	183
397	Gas-phase products and secondary aerosol yields from the ozonolysis of ten different terpenes. *Journal of Geophysical Research*, **2006**, 111,		182
396	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
395	Insights into hydroxyl measurements and atmospheric oxidation in a California forest. *Atmospheric Chemistry and Physics*, **2012**, 12, 8009-8020	6.8	175
394	What the towers don't see at night: nocturnal sap flow in trees and shrubs at two AmeriFlux sites in California. *Tree Physiology*, **2007**, 27, 597-610	4.2	170
393	Active atmosphere-ecosystem exchange of the vast majority of detected volatile organic compounds. *Science*, **2013**, 341, 643-7	33.3	166
392	Introduction: Observations and Modeling of the Green Ocean Amazon (GoAmazon2014/5). *Atmospheric Chemistry and Physics*, **2016**, 16, 4785-4797	6.8	162
391	Characterization of a real-time tracer for isoprene epoxydiols-derived secondary organic aerosol (IEPOX-SOA) from aerosol mass spectrometer measurements. *Atmospheric Chemistry and Physics*, **2015**, 15, 11807-11833	6.8	159
390	A Preliminary Synthesis of Modeled Climate Change Impacts on U.S. Regional Ozone Concentrations. *Bulletin of the American Meteorological Society*, **2009**, 90, 1843-1864	6.1	153
389	Gas-phase chemistry dominates O3 loss to a forest, implying a source of aerosols and hydroxyl radicals to the atmosphere. *Geophysical Research Letters*, **2003**, 30,	4.9	151
388	Quantifying sources of methane using light alkanes in the Los Angeles basin, California. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 4974-4990	4.4	146
387	In-situ ambient quantification of monoterpenes, sesquiterpenes, and related oxygenated compounds during BEARPEX 2007: implications for gas- and particle-phase chemistry. *Atmospheric Chemistry and Physics*, **2009**, 9, 5505-5518	6.8	141
386	Increasing background ozone during spring on the west coast of North America. *Geophysical Research Letters*, **2003**, 30,	4.9	141
385	Influence of future climate and emissions on regional air quality in California. *Journal of Geophysical Research*, **2006**, 111,		139
384	Energy partitioning between latent and sensible heat flux during the warm season at FLUXNET sites. *Water Resources Research*, **2002**, 38, 30-1-30-11	5.4	139
383	New constraints on terrestrial and oceanic sources of atmospheric methanol. *Atmospheric Chemistry and Physics*, **2008**, 8, 6887-6905	6.8	136
382	Forest thinning and soil respiration in a ponderosa pine plantation in the Sierra Nevada. *Tree Physiology*, **2005**, 25, 57-66	4.2	136

381	Phase and amplitude of ecosystem carbon release and uptake potentials as derived from FLUXNET measurements. *Agricultural and Forest Meteorology*, **2002**, 113, 75-95	5.8	136
380	Volatile Organic Compound Emissions from Humans Indoors. *Environmental Science & Technology*, **2016**, 50, 12686-12694	10.3	133
379	Submicron aerosol composition at Trinidad Head, California, during ITCT 2K2: Its relationship with gas phase volatile organic carbon and assessment of instrument performance. *Journal of Geophysical Research*, **2004**, 109,		133
378	Comparison of Gasoline Direct-Injection (GDI) and Port Fuel Injection (PFI) Vehicle Emissions: Emission Certification Standards, Cold-Start, Secondary Organic Aerosol Formation Potential, and Potential Climate Impacts. *Environmental Science & Technology*, **2017**, 51, 6542-6552	10.3	132
377	Continuous measurements of soil respiration with and without roots in a ponderosa pine plantation in the Sierra Nevada Mountains. *Agricultural and Forest Meteorology*, **2005**, 132, 212-227	5.8	131
376	Atmospheric volatile organic compound measurements during the Pittsburgh Air Quality Study: Results, interpretation, and quantification of primary and secondary contributions. *Journal of Geophysical Research*, **2005**, 110,		131
375	Atmospheric fates of Criegee intermediates in the ozonolysis of isoprene. *Physical Chemistry Chemical Physics*, **2016**, 18, 10241-54	3.6	130
374	Atmospheric deposition of reactive nitrogen oxides and ozone in a temperate deciduous forest and a subarctic woodland: 1. Measurements and mechanisms. *Journal of Geophysical Research*, **1996**, 101, 12639-12657		130
373	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
372	Simulation of semi-explicit mechanisms of SOA formation from glyoxal in aerosol in a 3-D model. *Atmospheric Chemistry and Physics*, **2014**, 14, 6213-6239	6.8	129
371	Increasing ozone in marine boundary layer inflow at the west coasts of North America and Europe. *Atmospheric Chemistry and Physics*, **2009**, 9, 1303-1323	6.8	128
370	Forest thinning experiment confirms ozone deposition to forest canopy is dominated by reaction with biogenic VOCs. *Geophysical Research Letters*, **2004**, 31,	4.9	126
369	The weekend effect within and downwind of Sacramento Part 1: Observations of ozone, nitrogen oxides, and VOC reactivity. *Atmospheric Chemistry and Physics*, **2007**, 7, 5327-5339	6.8	125
368	Evapotranspiration models compared on a Sierra Nevada forest ecosystem. *Environmental Modelling and Software*, **2005**, 20, 783-796	5.2	124
367	On the implications of aerosol liquid water and phase separation for organic aerosol mass. *Atmospheric Chemistry and Physics*, **2017**, 17, 343-369	6.8	122
366	In situ measurements of C2-C10 volatile organic compounds above a Sierra Nevada ponderosa pine plantation. *Journal of Geophysical Research*, **1999**, 104, 21247-21262		121
365	Recent Discoveries and Future Challenges in Atmospheric Organic Chemistry. *Environmental Science & Technology*, **2016**, 50, 2754-64	10.3	120
364	Characterization of secondary atmospheric photooxidation products: Evidence for biogenic and anthropogenic sources. *Journal of Geophysical Research*, **2003**, 108,		119

363	Partitioning forest carbon fluxes with overstory and understory eddy-covariance measurements: A synthesis based on FLUXNET data. *Agricultural and Forest Meteorology*, **2007**, 144, 14-31	5.8	118
362	Monoterpenes are the largest source of summertime organic aerosol in the southeastern United States. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 2038-2043	11.5	117
361	Climate control of terrestrial carbon exchange across biomes and continents. *Environmental Research Letters*, **2010**, 5, 034007	6.2	116
360	Biogenic versus anthropogenic sources of CO in the United States. *Geophysical Research Letters*, **2008**, 35,	4.9	116
359	The 2005 Study of Organic Aerosols at Riverside (SOAR-1): instrumental intercomparisons and fine particle composition. *Atmospheric Chemistry and Physics*, **2011**, 11, 12387-12420	6.8	111
358	Organosulfates as tracers for secondary organic aerosol (SOA) formation from 2-methyl-3-buten-2-ol (MBO) in the atmosphere. *Environmental Science & Technology*, **2012**, 46, 9437-46	10.3	109
357	Chemical composition of gas-phase organic carbon emissions from motor vehicles and implications for ozone production. *Environmental Science & Technology*, **2013**, 47, 11837-48	10.3	107
356	Lubricating oil dominates primary organic aerosol emissions from motor vehicles. *Environmental Science & Technology*, **2014**, 48, 3698-706	10.3	105
355	Response of stomatal conductance to drought in ponderosa pine: implications for carbon and ozone uptake. *Tree Physiology*, **2001**, 21, 337-44	4.2	105
354	Long-term trends in motor vehicle emissions in u.s. urban areas. *Environmental Science & Technology*, **2013**, 47, 10022-31	10.3	102
353	Influences of recovery from clear-cut, climate variability, and thinning on the carbon balance of a young ponderosa pine plantation. *Agricultural and Forest Meteorology*, **2005**, 130, 207-222	5.8	102
352	Atmospheric amines and ammonia measured with a chemical ionization mass spectrometer (CIMS). *Atmospheric Chemistry and Physics*, **2014**, 14, 12181-12194	6.8	99
351	Midday values of gross CO2 flux and light use efficiency during satellite overpasses can be used to directly estimate eight-day mean flux. *Agricultural and Forest Meteorology*, **2005**, 131, 1-12	5.8	99
350	Comparative genomics of Mortierella elongata and its bacterial endosymbiont Mycoavidus cysteinexigens. *Environmental Microbiology*, **2017**, 19, 2964-2983	5.2	98
349	Major components of atmospheric organic aerosol in southern California as determined by hourly measurements of source marker compounds. *Atmospheric Chemistry and Physics*, **2010**, 10, 11577-11603	6.8	96
348	Characterization of particulate matter emissions from on-road gasoline and diesel vehicles using a soot particle aerosol mass spectrometer. *Atmospheric Chemistry and Physics*, **2014**, 14, 7585-7599	6.8	95
347	Observational insights into aerosol formation from isoprene. *Environmental Science & Technology*, **2013**, 47, 11403-13	10.3	95
346	Process-based modelling of biogenic monoterpene emissions combining production and release from storage. *Atmospheric Chemistry and Physics*, **2009**, 9, 3409-3423	6.8	95

345	The Green Ocean Amazon Experiment (GoAmazon2014/5) Observes Pollution Affecting Gases, Aerosols, Clouds, and Rainfall over the Rain Forest. *Bulletin of the American Meteorological Society*, **2017**, 98, 981-997	6.1	94
344	Secondary organic aerosols formed from oxidation of biogenic volatile organic compounds in the Sierra Nevada Mountains of California. *Journal of Geophysical Research*, **2006**, 111,		94
343	Chemical evolution of the Sacramento urban plume: Transport and oxidation. *Journal of Geophysical Research*, **2002**, 107, ACH 3-1-ACH 3-15		94
342	Canopy and leaf level 2-methyl-3-buten-2-ol fluxes from a ponderosa pine plantation. *Atmospheric Environment*, **2000**, 34, 3535-3544	5.3	94
341	Volatile organic compound emissions from dairy cows and their waste as measured by proton-transfer-reaction mass spectrometry. *Environmental Science & Technology*, **2007**, 41, 1310-6	10.3	93
340	Overview of HOMEChem: House Observations of Microbial and Environmental Chemistry. *Environmental Sciences: Processes and Impacts*, **2019**, 21, 1280-1300	4.3	92
339	Improved resolution of hydrocarbon structures and constitutional isomers in complex mixtures using gas chromatography-vacuum ultraviolet-mass spectrometry. *Analytical Chemistry*, **2012**, 84, 2335-42	7.8	92
338	Carbon dioxide and water vapor exchange by young and old ponderosa pine ecosystems during a dry summer. *Tree Physiology*, **2001**, 21, 299-308	4.2	92
337	Ecosystem respiration in a young ponderosa pine plantation in the Sierra Nevada Mountains, California. *Tree Physiology*, **2001**, 21, 309-18	4.2	92
336	Evaluation of a photosynthesis-based biogenic isoprene emission scheme in JULES and simulation of isoprene emissions under present-day climate conditions. *Atmospheric Chemistry and Physics*, **2011**, 11, 4371-4389	6.8	91
335	Temperature dependence of volatile organic compound evaporative emissions from motor vehicles. *Journal of Geophysical Research*, **2006**, 111,		91
334	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
333	Seasonal course of isoprene emissions from a midlatitude deciduous forest. *Journal of Geophysical Research*, **1998**, 103, 31045-31056		90
332	Siloxanes Are the Most Abundant Volatile Organic Compound Emitted from Engineering Students in a Classroom. *Environmental Science and Technology Letters*, **2015**, 2, 303-307	11	88
331	Seasonality of photosynthetic parameters in a multi-specific and vertically complex forest ecosystem in the Sierra Nevada of California. *Tree Physiology*, **2006**, 26, 729-41	4.2	88
330	Within-plant isoprene oxidation confirmed by direct emissions of oxidation products methyl vinyl ketone and methacrolein. *Global Change Biology*, **2012**, 18, 973-984	11.4	87
329	Closing the peroxy acetyl nitrate budget: observations of acyl peroxy nitrates (PAN, PPN, and MPAN) during BEARPEX 2007. *Atmospheric Chemistry and Physics*, **2009**, 9, 7623-7641	6.8	87
328	A comparison of three approaches to modeling leaf gas exchange in annually drought-stressed ponderosa pine forests. *Tree Physiology*, **2004**, 24, 529-41	4.2	87

327	Diurnal and seasonal variability of gasoline-related volatile organic compound emissions in Riverside, California. *Environmental Science & Technology*, **2009**, 43, 4247-52	10.3	86
326	Seasonal variations of nonmethane hydrocarbons in rural New England: Constraints on OH concentrations in northern midlatitudes. *Journal of Geophysical Research*, **1995**, 100, 21023		86
325	Regional variation of organic functional groups in aerosol particles on four U.S. east coast platforms during the International Consortium for Atmospheric Research on Transport and Transformation 2004 campaign. *Journal of Geophysical Research*, **2007**, 112,		85
324	Regional budgets for nitrogen oxides from continental sources: Variations of rates for oxidation and deposition with season and distance from source regions. *Journal of Geophysical Research*, **1998**, 103, 8355-8368		85
323	Latitudinal patterns of magnitude and interannual variability in net ecosystem exchange regulated by biological and environmental variables. *Global Change Biology*, **2009**, 15, 2905-2920	11.4	84
322	Chemical speciation of organic aerosol during the International Consortium for Atmospheric Research on Transport and Transformation 2004: Results from in situ measurements. *Journal of Geophysical Research*, **2007**, 112,		83
321	Thermal optimality of net ecosystem exchange of carbon dioxide and underlying mechanisms. *New Phytologist*, **2012**, 194, 775-783	9.8	81
320	Ozone fluxes in a Pinus ponderosa ecosystem are dominated by non-stomatal processes: Evidence from long-term continuous measurements. *Agricultural and Forest Meteorology*, **2010**, 150, 420-431	5.8	81
319	Total observed organic carbon (TOOC) in the atmosphere: a synthesis of North American observations. *Atmospheric Chemistry and Physics*, **2008**, 8, 2007-2025	6.8	81
318	Eddy covariance fluxes of acyl peroxy nitrates (PAN, PPN and MPAN) above a Ponderosa pine forest. *Atmospheric Chemistry and Physics*, **2009**, 9, 615-634	6.8	80
317	Isotopes of volatile organic compounds: an emerging approach for studying atmospheric budgets and chemistry. *Chemical Reviews*, **2003**, 103, 5025-48	68.1	80
316	Atmospheric benzenoid emissions from plants rival those from fossil fuels. *Scientific Reports*, **2015**, 5, 12064	4.9	79
315	Formation and occurrence of dimer esters of pinene oxidation products in atmospheric aerosols. *Atmospheric Chemistry and Physics*, **2013**, 13, 3763-3776	6.8	79
314	Long-term trends in California mobile source emissions and ambient concentrations of black carbon and organic aerosol. *Environmental Science & Technology*, **2015**, 49, 5178-88	10.3	78
313	Tropospheric ozone reduces carbon assimilation in trees: estimates from analysis of continuous flux measurements. *Global Change Biology*, **2013**, 19, 2427-43	11.4	78
312	Quantifying biogenic and anthropogenic contributions to acetone mixing ratios in a rural environment. *Atmospheric Environment*, **2000**, 34, 4997-5006	5.3	77
311	Online derivatization for hourly measurements of gas- and particle-phase semi-volatile oxygenated organic compounds by thermal desorption aerosol gas chromatography (SV-TAG). *Atmospheric Measurement Techniques*, **2014**, 7, 4417-4429	4	76
310	A comparison of new measurements of total monoterpene flux with improved measurements of speciated monoterpene flux. *Atmospheric Chemistry and Physics*, **2005**, 5, 505-513	6.8	76

309	Thermal desorption comprehensive two-dimensional gas chromatography for in-situ measurements of organic aerosols. *Journal of Chromatography A*, **2008**, 1186, 340-7	4.5	74
308	Changes in the photochemical environment of the temperate North Pacific troposphere in response to increased Asian emissions. *Journal of Geophysical Research*, **2004**, 109,		74
307	Are monoterpene emissions influenced by humidity?. *Geophysical Research Letters*, **1999**, 26, 2187-2190	4.9	74
306	Reducing secondary organic aerosol formation from gasoline vehicle exhaust. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 6984-6989	11.5	73
305	Impact of Asian emissions on observations at Trinidad Head, California, during ITCT 2K2. *Journal of Geophysical Research*, **2004**, 109,		73
304	Urban pollution greatly enhances formation of natural aerosols over the Amazon rainforest. *Nature Communications*, **2019**, 10, 1046	17.4	72
303	Large emissions of sesquiterpenes and methyl chavicol quantified from branch enclosure measurements. *Atmospheric Environment*, **2009**, 43, 389-401	5.3	72
302	Increasing Isoprene Epoxydiol-to-Inorganic Sulfate Aerosol Ratio Results in Extensive Conversion of Inorganic Sulfate to Organosulfur Forms: Implications for Aerosol Physicochemical Properties. *Environmental Science & Technology*, **2019**, 53, 8682-8694	10.3	71
301	Origins and composition of fine atmospheric carbonaceous aerosol in the Sierra Nevada Mountains, California. *Atmospheric Chemistry and Physics*, **2011**, 11, 10219-10241	6.8	71
300	Trace gas mixing ratio variability versus lifetime in the troposphere and stratosphere: Observations. *Journal of Geophysical Research*, **1999**, 104, 16091-16113		71
299	In situ measurements of gas/particle-phase transitions for atmospheric semivolatile organic compounds. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 6676-81	11.5	70
298	Observational constraints on the contribution of isoprene oxidation to ozone production on the western slope of the Sierra Nevada, California. *Journal of Geophysical Research*, **2002**, 107, ACH 1-1		70
297	Canopy fluxes of 2-methyl-3-buten-2-ol over a ponderosa pine forest by relaxed eddy accumulation: Field data and model comparison. *Journal of Geophysical Research*, **1999**, 104, 26107-26114		69
296	Emissions of ethene, propene, and 1-butene by a midlatitude forest. *Journal of Geophysical Research*, **1996**, 101, 9149-9157		68
295	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
294	Influences of canopy photosynthesis and summer rain pulses on root dynamics and soil respiration in a young ponderosa pine forest. *Tree Physiology*, **2006**, 26, 833-44	4.2	66
293	Observations of HFC-134a in the remote troposphere. *Geophysical Research Letters*, **1996**, 23, 169-172	4.9	66
292	A relaxed eddy accumulation system for measuring vertical fluxes of nitrous acid. *Atmospheric Measurement Techniques*, **2011**, 4, 2093-2103	4	65

291	Seasonal variability of monoterpene emission factors for a ponderosa pine plantation in California. *Atmospheric Chemistry and Physics*, **2006**, 6, 1267-1274	6.8	65
290	Large carbon isotope fractionation associated with oxidation of methyl halides by methylotrophic bacteria. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 5833-7	11.5	65
289	Indoor Particulate Matter during HOMEChem: Concentrations, Size Distributions, and Exposures. *Environmental Science & Technology*, **2020**, 54, 7107-7116	10.3	64
288	Photosynthesis-dependent isoprene emission from leaf to planet in a global carbon-chemistry-climate model. *Atmospheric Chemistry and Physics*, **2013**, 13, 10243-10269	6.8	64
287	Forest-atmosphere exchange of ozone: sensitivity to very reactive biogenic VOC emissions and implications for in-canopy photochemistry. *Atmospheric Chemistry and Physics*, **2011**, 11, 7875-7891	6.8	64
286	Seasonal variation of the ozone production efficiency per unit NOx at Harvard Forest, Massachusetts. *Journal of Geophysical Research*, **1996**, 101, 12659-12666		64
285	Detailed chemical characterization of unresolved complex mixtures in atmospheric organics: Insights into emission sources, atmospheric processing, and secondary organic aerosol formation. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 6783-6796	4.4	63
284	Isoprene photochemistry over the Amazon rainforest. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 6125-30	11.5	63
283	Surface reservoirs dominate dynamic gas-surface partitioning of many indoor air constituents. *Science Advances*, **2020**, 6, eaay8973	14.3	62
282	Ozone deposition to an orange orchard: Partitioning between stomatal and non-stomatal sinks. *Environmental Pollution*, **2012**, 169, 258-66	9.3	62
281	Observation of isoprene hydroxynitrates in the southeastern United States and implications for the fate of NO_{<i>x</i>}. *Atmospheric Chemistry and Physics*, **2015**, 15, 11257-11272	6.8	62
280	Secondary organic aerosol formation from fossil fuel sources contribute majority of summertime organic mass at Bakersfield. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		62
279	Seasonal measurements of acetone and methanol: Abundances and implications for atmospheric budgets. *Global Biogeochemical Cycles*, **2006**, 20, n/a-n/a	5.9	62
278	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
277	Volatility and lifetime against OH heterogeneous reaction of ambient isoprene-epoxydiols-derived secondary organic aerosol (IEPOX-SOA). *Atmospheric Chemistry and Physics*, **2016**, 16, 11563-11580	6.8	60
276	Development of an In Situ Thermal Desorption Gas Chromatography Instrument for Quantifying Atmospheric Semi-Volatile Organic Compounds. *Aerosol Science and Technology*, **2013**, 47, 258-266	3.4	60
275	Extracting and trapping biogenic volatile organic compounds stored in plant species. *TrAC - Trends in Analytical Chemistry*, **2011**, 30, 978-989	14.6	60
274	Quantifying sesquiterpene and oxygenated terpene emissions from live vegetation using solid-phase microextraction fibers. *Journal of Chromatography A*, **2007**, 1161, 113-20	4.5	60

273	Chemical evolution of atmospheric organic carbon over multiple generations of oxidation. *Nature Chemistry*, **2018**, 10, 462-468	17.6	58
272	Observations of glyoxal and formaldehyde as metrics for the anthropogenic impact on rural photochemistry. *Atmospheric Chemistry and Physics*, **2012**, 12, 9529-9543	6.8	58
271	Qualitative and quantitative analysis of atmospheric organosulfates in Centreville, Alabama. *Atmospheric Chemistry and Physics*, **2017**, 17, 1343-1359	6.8	56
270	Role of Water and Phase in the Heterogeneous Oxidation of Solid and Aqueous Succinic Acid Aerosol by Hydroxyl Radicals. *Journal of Physical Chemistry C*, **2014**, 118, 28978-28992	3.8	56
269	Transport of forest fire emissions from Alaska and the Yukon Territory to Nova Scotia during summer 2004. *Journal of Geophysical Research*, **2007**, 112,		56
268	Partitioning of water flux in a Sierra Nevada ponderosa pine plantation. *Agricultural and Forest Meteorology*, **2003**, 117, 173-192	5.8	56
267	Harvard Forest regional-scale air mass composition by Patterns in Atmospheric Transport History (PATH). *Journal of Geophysical Research*, **1998**, 103, 13181-13194		56
266	Ambient Gas-Particle Partitioning of Tracers for Biogenic Oxidation. *Environmental Science & Technology*, **2016**, 50, 9952-62	10.3	54
265	Eddy covariance methane measurements at a Ponderosa pine plantation in California. *Atmospheric Chemistry and Physics*, **2009**, 9, 8365-8375	6.8	54
264	North American influence on tropospheric ozone and the effects of recent emission reductions: Constraints from ICARTT observations. *Journal of Geophysical Research*, **2009**, 114,		53
263	Eddy covariance emission and deposition flux measurements using proton transfer reaction time of flight mass spectrometry (PTR-TOF-MS): comparison with PTR-MS measured vertical gradients and fluxes. *Atmospheric Chemistry and Physics*, **2013**, 13, 1439-1456	6.8	52
262	Measurement of atmospheric nitrous acid at Bodgett Forest during BEARPEX2007. *Atmospheric Chemistry and Physics*, **2010**, 10, 6283-6294	6.8	52
261	Overview of the Manitou Experimental Forest Observatory: site description and selected science results from 2008 to 2013. *Atmospheric Chemistry and Physics*, **2014**, 14, 6345-6367	6.8	51
260	Increase of monoterpene emissions from a pine plantation as a result of mechanical disturbances. *Geophysical Research Letters*, **2003**, 30,	4.9	51
259	Synthesis of the Southeast Atmosphere Studies: Investigating Fundamental Atmospheric Chemistry Questions. *Bulletin of the American Meteorological Society*, **2018**, 99, 547-567	6.1	50
258	Characterizing sources and emissions of volatile organic compounds in a northern California residence using space- and time-resolved measurements. *Indoor Air*, **2019**, 29, 630-644	5.4	49
257	Multiphase Chemistry Controls Inorganic Chlorinated and Nitrogenated Compounds in Indoor Air during Bleach Cleaning. *Environmental Science & Technology*, **2020**, 54, 1730-1739	10.3	49
256	Comprehensive characterization of atmospheric organic carbon at a forested site. *Nature Geoscience*, **2017**, 10, 748-753	18.3	49

255	Secondary organic aerosol formation from ambient air in an oxidation flow reactor in central Amazonia. *Atmospheric Chemistry and Physics*, **2018**, 18, 467-493	6.8	49
254	The lifetime of nitrogen oxides in an isoprene-dominated forest. *Atmospheric Chemistry and Physics*, **2016**, 16, 7623-7637	6.8	49
253	Molecular characterization of organic aerosol using nanospray desorption/electrospray ionization mass spectrometry: CalNex 2010 field study. *Atmospheric Environment*, **2013**, 68, 265-272	5.3	49
252	The influence of molecular structure and aerosol phase on the heterogeneous oxidation of normal and branched alkanes by OH. *Journal of Physical Chemistry A*, **2013**, 117, 3990-4000	2.8	49
251	VOC reactivity in central California: comparing an air quality model to ground-based measurements. *Atmospheric Chemistry and Physics*, **2008**, 8, 351-368	6.8	49
250	Volatile organic compound measurements at Trinidad Head, California, during ITCT 2K2: Analysis of sources, atmospheric composition, and aerosol residence times. *Journal of Geophysical Research*, **2004**, 109,		49
249	Evolution of the chemical fingerprint of biomass burning organic aerosol during aging. *Atmospheric Chemistry and Physics*, **2018**, 18, 7607-7624	6.8	49
248	Molecular Characterization of Organosulfur Compounds in Biodiesel and Diesel Fuel Secondary Organic Aerosol. *Environmental Science & Technology*, **2017**, 51, 119-127	10.3	48
247	Coupling of organic and inorganic aerosol systems and the effect on gas-particle partitioning in the southeastern US. *Atmospheric Chemistry and Physics*, **2018**, 18, 357-370	6.8	48
246	Formation and growth of ultrafine particles from secondary sources in Bakersfield, California. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		48
245	Airborne observations of methane emissions from rice cultivation in the Sacramento Valley of California. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		48
244	Observational constraints on the global atmospheric budget of ethanol. *Atmospheric Chemistry and Physics*, **2010**, 10, 5361-5370	6.8	48
243	Speciated and total emission factors of particulate organics from burning western US wildland fuels and their dependence on combustion efficiency. *Atmospheric Chemistry and Physics*, **2019**, 19, 1013-1026	6.8	47
242	Speciation of OH reactivity above the canopy of an isoprene-dominated forest. *Atmospheric Chemistry and Physics*, **2016**, 16, 9349-9359	6.8	47
241	Emissions of organic carbon and methane from petroleum and dairy operations in California's San Joaquin Valley. *Atmospheric Chemistry and Physics*, **2014**, 14, 4955-4978	6.8	47
240	Insights into secondary organic aerosol formation mechanisms from measured gas/particle partitioning of specific organic tracer compounds. *Environmental Science & Technology*, **2013**, 47, 3781-7	10.3	47
239	Methyl chavicol: characterization of its biogenic emission rate, abundance, and oxidation products in the atmosphere. *Atmospheric Chemistry and Physics*, **2009**, 9, 2061-2074	6.8	47
238	Atmospheric aerosol light scattering and surface wetness influence the diurnal pattern of net ecosystem exchange in a semi-arid ponderosa pine plantation. *Agricultural and Forest Meteorology*, **2005**, 129, 69-83	5.8	47

237	An evaluation of ozone exposure metrics for a seasonally drought-stressed ponderosa pine ecosystem. *Environmental Pollution*, **2002**, 117, 93-100	9.3	47
236	Ozone deposition to a ponderosa pine plantation in the Sierra Nevada Mountains (CA): A comparison of two different climatic years. *Journal of Geophysical Research*, **2000**, 105, 22123-22136		46
235	Biogenic emissions from Citrus species in California. *Atmospheric Environment*, **2011**, 45, 4557-4568	5.3	45
234	Seasonal cycles of biogenic volatile organic compound fluxes and concentrations in a California citrus orchard. *Atmospheric Chemistry and Physics*, **2012**, 12, 9865-9880	6.8	45
233	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
232	Quantification of Hourly Speciated Organic Compounds in Atmospheric Aerosols, Measured by an In-Situ Thermal Desorption Aerosol Gas Chromatograph (TAG). *Aerosol Science and Technology*, **2009**, 43, 38-52	3.4	44
231	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
230	The First Combined Thermal Desorption Aerosol Gas Chromatograph–Aerosol Mass Spectrometer (TAG-AMS). *Aerosol Science and Technology*, **2014**, 48, 358-370	3.4	43
229	Investigation of the nighttime decay of isoprene. *Journal of Geophysical Research*, **2001**, 106, 24335-24346		43
228	Emission Factors of Microbial Volatile Organic Compounds from Environmental Bacteria and Fungi. *Environmental Science & Technology*, **2018**, 52, 8272-8282	10.3	43
227	Chemical characteristics of North American surface layer outflow: Insights from Chebogue Point, Nova Scotia. *Journal of Geophysical Research*, **2006**, 111,		42
226	Testing Atmospheric Oxidation in an Alabama Forest. *Journals of the Atmospheric Sciences*, **2016**, 73, 4699-4710	2.1	42
225	Sesquiterpenoid emissions from agricultural crops: correlations to monoterpenoid emissions and leaf terpene content. *Environmental Science & Technology*, **2010**, 44, 3758-64	10.3	41
224	Carbon isotope ratios of methyl bromide and methyl chloride emitted from a coastal salt marsh. *Geophysical Research Letters*, **2002**, 29, 4-1	4.9	41
223	Sources and dynamics of semivolatile organic compounds in a single-family residence in northern California. *Indoor Air*, **2019**, 29, 645-655	5.4	40
222	Influence of urban pollution on the production of organic particulate matter from isoprene epoxydiols in central Amazonia. *Atmospheric Chemistry and Physics*, **2017**, 17, 6611-6629	6.8	40
221	Photochemical aging of volatile organic compounds in the Los Angeles basin: Weekday-weekend effect. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 5018-5028	4.4	39
220	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

219	Observations of NO_x, PNs, ANs, and HNO₃ at a Rural Site in the California Sierra Nevada Mountains: summertime diurnal cycles. *Atmospheric Chemistry and Physics*, **2009**, 9, 4879-4896	6.8	39
218	Annual ozone deposition to a Sierra Nevada ponderosa pine plantation. *Atmospheric Environment*, **2002**, 36, 4503-4515	5.3	39
217	Plant physiological influences on the fluxes of oxygenated volatile organic compounds from ponderosa pine trees. *Journal of Geophysical Research*, **2002**, 107, ACH 2-1-ACH 2-8		39
216	Detailed Speciation of Intermediate Volatility and Semivolatile Organic Compound Emissions from Gasoline Vehicles: Effects of Cold-Starts and Implications for Secondary Organic Aerosol Formation. *Environmental Science & Technology*, **2019**, 53, 1706-1714	10.3	39
215	Characterizing Semivolatile Organic Compounds of Biocrude from Hydrothermal Liquefaction of Biomass. *Energy & Fuels*, **2017**, 31, 4122-4134	4.1	38
214	Secondary Organic Aerosol Formation via 2-Methyl-3-buten-2-ol Photooxidation: Evidence of Acid-Catalyzed Reactive Uptake of Epoxides. *Environmental Science and Technology Letters*, **2014**, 1, 242-247	11	38
213	Quantifying sources and sinks of reactive gases in the lower atmosphere using airborne flux observations. *Geophysical Research Letters*, **2015**, 42, 8231-8240	4.9	38
212	Strong evidence of surface tension reduction in microscopic aqueous droplets. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	38
211	Airborne Flux Measurements of BVOCs above Californian Oak Forests: Experimental Investigation of Surface and Entrainment Fluxes, OH Densities, and Damkler Numbers. *Journals of the Atmospheric Sciences*, **2013**, 70, 3277-3287	2.1	38
210	Ozone uptake by citrus trees exposed to a range of ozone concentrations. *Atmospheric Environment*, **2010**, 44, 3404-3412	5.3	38
209	Emission, oxidation, and secondary organic aerosol formation of volatile organic compounds as observed at Chebogue Point, Nova Scotia. *Journal of Geophysical Research*, **2007**, 112,		38
208	Gas and aerosol carbon in California: comparison of measurements and model predictions in Pasadena and Bakersfield. *Atmospheric Chemistry and Physics*, **2015**, 15, 5243-5258	6.8	37
207	Apportioning black carbon to sources using highly time-resolved ambient measurements of organic molecular markers in Pittsburgh. *Atmospheric Environment*, **2009**, 43, 3941-3950	5.3	37
206	Environmental and biological controls on methyl halide emissions from southern California coastal salt marshes. *Biogeochemistry*, **2002**, 60, 141-161	3.8	37
205	Ozone production chemistry in the presence of urban plumes. *Faraday Discussions*, **2016**, 189, 169-89	3.6	37
204	Detailed investigation of ventilation rates and airflow patterns in a northern California residence. *Indoor Air*, **2018**, 28, 572-584	5.4	36
203	Organic constituents on the surfaces of aerosol particles from Southern Finland, Amazonia, and California studied by vibrational sum frequency generation. *Journal of Physical Chemistry A*, **2012**, 116, 8271-90	2.8	36
202	Increasing atmospheric burden of ethanol in the United States. *Geophysical Research Letters*, **2012**, 39,	4.9	36

201	Estimating the net ecosystem exchange for the major forests in the northern United States by integrating MODIS and AmeriFlux data. *Agricultural and Forest Meteorology*, **2012**, 156, 75-84	5.8	35
200	Competitive and mutualistic dependencies in multispecies vegetation dynamics enabled by hydraulic redistribution. *Water Resources Research*, **2012**, 48,	5.4	35
199	Observations of total alkyl nitrates within the Sacramento Urban Plume		35
198	Observations and Contributions of Real-Time Indoor Ammonia Concentrations during HOMEChem. *Environmental Science & Technology*, **2019**, 53, 8591-8598	10.3	34
197	Microbes and associated soluble and volatile chemicals on periodically wet household surfaces. *Microbiome*, **2017**, 5, 128	16.6	34
196	Comprehensive Chemical Characterization of Hydrocarbons in NIST Standard Reference Material 2779 Gulf of Mexico Crude Oil. *Environmental Science & Technology*, **2015**, 49, 13130-8	10.3	34
195	Heterogeneous OH oxidation of motor oil particles causes selective depletion of branched and less cyclic hydrocarbons. *Environmental Science & Technology*, **2012**, 46, 10632-40	10.3	34
194	Thermal Desorption Comprehensive Two-Dimensional Gas Chromatography: An Improved Instrument for In-Situ Speciated Measurements of Organic Aerosols. *Aerosol Science and Technology*, **2012**, 46, 380-393	3.4	34
193	Volatile organic compounds in marine air at Cape Grim, Australia. *Environmental Chemistry*, **2007**, 4, 178	3.2	34
192	Measurement of NO3 and N2O5 in a Residential Kitchen. *Environmental Science and Technology Letters*, **2018**, 5, 595-599	11	34
191	Effects of temperature-dependent NO_{<i>x</i>} emissions on continental ozone production. *Atmospheric Chemistry and Physics*, **2018**, 18, 2601-2614	6.8	33
190	Spatially resolved flux measurements of NOx from London suggest significantly higher emissions than predicted by inventories. *Faraday Discussions*, **2016**, 189, 455-72	3.6	33
189	Determinants of ozone fluxes and metrics for ozone risk assessment in plants. *Journal of Experimental Botany*, **2010**, 61, 629-33	7	33
188	Tropospheric methanol observations from space: retrieval evaluation and constraints on the seasonality of biogenic emissions. *Atmospheric Chemistry and Physics*, **2012**, 12, 5897-5912	6.8	33
187	Automated in-situ monitoring of atmospheric non-methane hydrocarbon concentrations and gradients. *Journal of Atmospheric Chemistry*, **1995**, 21, 43-59	3.2	33
186	Time Resolved Measurements of Speciated Tailpipe Emissions from Motor Vehicles: Trends with Emission Control Technology, Cold Start Effects, and Speciation. *Environmental Science & Technology*, **2016**, 50, 13592-13599	10.3	33
185	Characterizing Airborne Phthalate Concentrations and Dynamics in a Normally Occupied Residence. *Environmental Science & Technology*, **2019**, 53, 7337-7346	10.3	32
184	Understanding evolution of product composition and volatility distribution through in-situ GC GC analysis: a case study of longifolene ozonolysis. *Atmospheric Chemistry and Physics*, **2011**, 11, 5335-5346	6.8	32

183	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
182	An isotopic approach for understanding the CH(3)Br budget of the atmosphere. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 10006-9	11.5	32
181	Organosulfates in aerosols downwind of an urban region in central Amazon. *Environmental Sciences: Processes and Impacts*, **2018**, 20, 1546-1558	4.3	32
180	Field intercomparison of the gas/particle partitioning of oxygenated organics during the Southern Oxidant and Aerosol Study (SOAS) in 2013. *Aerosol Science and Technology*, **2017**, 51, 30-56	3.4	31
179	Molecular characterization of S- and N-containing organic constituents in ambient aerosols by negative ion mode high-resolution Nanospray Desorption Electrospray Ionization Mass Spectrometry: CalNex 2010 field study. *Journal of Geophysical Research D: Atmospheres*, **2014**, 119, 12,706-12,720	4.4	31
178	Airborne flux measurements of biogenic isoprene over California. *Atmospheric Chemistry and Physics*, **2014**, 14, 10631-10647	6.8	31
177	Observations of total peroxy nitrates and aldehydes: measurement interpretation and inference of OH radical concentrations. *Atmospheric Chemistry and Physics*, **2007**, 7, 1947-1960	6.8	31
176	Chemical evolution of organic aerosol in Los Angeles during the CalNex 2010 study. *Atmospheric Chemistry and Physics*, **2013**, 13, 10125-10141	6.8	30
175	Estimating the atmospheric boundary layer height over sloped, forested terrain from surface spectral analysis during BEARPEX. *Atmospheric Chemistry and Physics*, **2011**, 11, 6837-6853	6.8	30
174	Evaluating the impact of new observational constraints on P-S/IVOC emissions, multi-generation oxidation, and chamber wall losses on SOA modeling for Los Angeles, CA. *Atmospheric Chemistry and Physics*, **2017**, 17, 9237-9259	6.8	29
173	Development of a new consumable-free thermal modulator for comprehensive two-dimensional gas chromatography. *Journal of Chromatography A*, **2011**, 1218, 3070-9	4.5	29
172	Biogenic 2-methyl-3-buten-2-ol increases regional ozone and HOx sources. *Geophysical Research Letters*, **2007**, 34,	4.9	29
171	INFLUENCES OF TEMPERATURE HISTORY, WATER STRESS, AND NEEDLE AGE ON METHYLBUTENOL EMISSIONS. *Ecology*, **2003**, 84, 765-776	4.6	29
170	Diurnal centroid of ecosystem energy and carbon fluxes at FLUXNET sites. *Journal of Geophysical Research*, **2003**, 108,		29
169	Heterogeneous Ozonolysis of Squalene: Gas-Phase Products Depend on Water Vapor Concentration. *Environmental Science & Technology*, **2019**, 53, 14441-14448	10.3	29
168	Observations of sesquiterpenes and their oxidation products in central Amazonia during the wet and dry seasons. *Atmospheric Chemistry and Physics*, **2018**, 18, 10433-10457	6.8	29
167	Using advanced mass spectrometry techniques to fully characterize atmospheric organic carbon: current capabilities and remaining gaps. *Faraday Discussions*, **2017**, 200, 579-598	3.6	28
166	Sulfur Dioxide Accelerates the Heterogeneous Oxidation Rate of Organic Aerosol by Hydroxyl Radicals. *Environmental Science & Technology*, **2016**, 50, 3554-61	10.3	28

165	Phenol groups in northeastern U.S. submicrometer aerosol particles produced from seawater sources. *Environmental Science & Technology*, **2010**, 44, 2542-8	10.3	28
164	The weekend effect within and downwind of Sacramento: Part 2. Observational evidence for chemical and dynamical contributions		27
163	Anthropogenic emissions of nonmethane hydrocarbons in the northeastern United States: Measured seasonal variations from 1992–1996 and 1999–2001. *Journal of Geophysical Research*, **2006**, 111,		26
162	Multiscale simulations of tropospheric chemistry in the eastern Pacific and on the U.S. West Coast during spring 2002. *Journal of Geophysical Research*, **2004**, 109,		26
161	Isoprene suppression of new particle formation: Potential mechanisms and implications. *Journal of Geophysical Research D: Atmospheres*, **2016**, 121, 14,621	4.4	26
160	Measurements of I/SVOCs in biomass-burning smoke using solid-phase extraction disks and two-dimensional gas chromatography. *Atmospheric Chemistry and Physics*, **2018**, 18, 17801-17817	6.8	26
159	Improved molecular level identification of organic compounds using comprehensive two-dimensional chromatography, dual ionization energies and high resolution mass spectrometry. *Analyst, The*, **2017**, 142, 2395-2403	5	25
158	Speciated measurements of semivolatile and intermediate volatility organic compounds (S/IVOCs) in a pine forest during BEACHON-RoMBAS 2011. *Atmospheric Chemistry and Physics*, **2016**, 16, 1187-1205	6.8	25
157	An ecosystem-scale perspective of the net land methanol flux: synthesis of micrometeorological flux measurements. *Atmospheric Chemistry and Physics*, **2015**, 15, 2577-2613	6.8	25
156	Biogenic volatile organic compound emissions during BEARPEX 2009 measured by eddy covariance and flux–gradient similarity methods. *Atmospheric Chemistry and Physics*, **2014**, 14, 231-244	6.8	24
155	Automated single-ion peak fitting as an efficient approach for analyzing complex chromatographic data. *Journal of Chromatography A*, **2017**, 1529, 81-92	4.5	24
154	Large enhancement in the heterogeneous oxidation rate of organic aerosols by hydroxyl radicals in the presence of nitric oxide. *Journal of Physical Chemistry Letters*, **2015**, 6, 4451-5	6.4	24
153	A wind profiler trajectory tool for air quality transport applications. *Journal of Geophysical Research*, **2006**, 111,		24
152	Continuous flow stable isotope methods for study of delta(13)C fractionation during halomethane production and degradation. *Rapid Communications in Mass Spectrometry*, **2001**, 15, 357-63	2.2	24
151	The formation, properties and impact of secondary organic aerosol: current and emerging issues		24
150	Modeling the Time-Dependent Concentrations of Primary and Secondary Reaction Products of Ozone with Squalene in a University Classroom. *Environmental Science & Technology*, **2019**, 53, 8262-8270	10.3	23
149	An Atmospheric Constraint on the NO2 Dependence of Daytime Near-Surface Nitrous Acid (HONO). *Environmental Science & Technology*, **2015**, 49, 12774-81	10.3	23
148	Emissions of terpenoids, benzenoids, and other biogenic gas-phase organic compounds from agricultural crops and their potential implications for air quality. *Atmospheric Chemistry and Physics*, **2014**, 14, 5393-5413	6.8	23

147	A versatile and reproducible automatic injection system for liquid standard introduction: application to in-situ calibration. *Atmospheric Measurement Techniques*, **2011**, 4, 1937-1942	4	23
146	Observing ozone chemistry in an occupied residence. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	23
145	Surface Emissions Modulate Indoor SVOC Concentrations through Volatility-Dependent Partitioning. *Environmental Science & Technology*, **2020**, 54, 6751-6760	10.3	22
144	Urban influence on the concentration and composition of submicron particulate matter in central Amazonia. *Atmospheric Chemistry and Physics*, **2018**, 18, 12185-12206	6.8	22
143	Pollutant transport among California regions. *Journal of Geophysical Research D: Atmospheres*, **2013** , 118, 6750-6763	4.4	22
142	Quantifying the contribution of environmental factors to isoprene flux interannual variability. *Atmospheric Environment*, **2012**, 54, 216-224	5.3	21
141	Sources of organic aerosol investigated using organic compounds as tracers measured during CalNex in Bakersfield. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 11,388-11,398	4.4	21
140	OH-initiated heterogeneous oxidation of cholestane: a model system for understanding the photochemical aging of cyclic alkane aerosols. *Journal of Physical Chemistry A*, **2013**, 117, 12449-58	2.8	21
139	Characteristics of Fine Particle Growth Events Observed Above a Forested Ecosystem in the Sierra Nevada Mountains of California. *Aerosol Science and Technology*, **2006**, 40, 373-388	3.4	21
138	Physical-Chemical Coupling Model for Characterizing the Reaction of Ozone with Squalene in Realistic Indoor Environments. *Environmental Science & Technology*, **2021**, 55, 1690-1698	10.3	21
137	Estimated contributions of primary and secondary organic aerosol from fossil fuel combustion during the CalNex and Cal-Mex campaigns. *Atmospheric Environment*, **2014**, 88, 330-340	5.3	20
136	Source apportionment of methane and nitrous oxide in California's San Joaquin Valley at CalNex 2010 via positive matrix factorization. *Atmospheric Chemistry and Physics*, **2015**, 15, 12043-12063	6.8	20
135	Contributions of biogenic volatile organic compounds to net ecosystem carbon flux in a ponderosa pine plantation. *Atmospheric Environment*, **2012**, 60, 527-533	5.3	20
134	Stable carbon isotope composition of atmospheric methyl bromide. *Geophysical Research Letters*, **2004**, 31,	4.9	20
133	Influence of Dynamic Ozone Dry Deposition on Ozone Pollution. *Journal of Geophysical Research D: Atmospheres*, **2020**, 125, e2020JD032398	4.4	19
132	Isoprene photo-oxidation products quantify the effect of pollution on hydroxyl radicals over Amazonia. *Science Advances*, **2018**, 4, eaar2547	14.3	19
131	Contributions of biomass-burning, urban, and biogenic emissions to the concentrations and light-absorbing properties of particulate matter in central Amazonia during the dry season. *Atmospheric Chemistry and Physics*, **2019**, 19, 7973-8001	6.8	19
130	Modeling comprehensive chemical composition of weathered oil following a marine spill to predict ozone and potential secondary aerosol formation and constrain transport pathways. *Journal of Geophysical Research: Oceans*, **2015**, 120, 7300-7315	3.3	19

129	The influence of light environment on photosynthesis and basal methylbutenol emission from Pinus ponderosa. *Plant, Cell and Environment*, **2005**, 28, 1463-1474	8.4	19
128	Understanding isoprene photooxidation using observations and modeling over a subtropical forest in the southeastern US. *Atmospheric Chemistry and Physics*, **2016**, 16, 7725-7741	6.8	18
127	Fundamental Time Scales Governing Organic Aerosol Multiphase Partitioning and Oxidative Aging. *Environmental Science & Technology*, **2015**, 49, 9768-77	10.3	18
126	Biomass burning emissions of trace gases and particles in marine air at Cape Grim, Tasmania. *Atmospheric Chemistry and Physics*, **2015**, 15, 13393-13411	6.8	18
125	Organic Aerosol Speciation: Intercomparison of Thermal Desorption Aerosol GC/MS (TAG) and Filter-Based Techniques. *Aerosol Science and Technology*, **2010**, 44, 141-151	3.4	18
124	Predicting secondary organic aerosol phase state and viscosity and its effect on multiphase chemistry in a regional-scale air quality model. *Atmospheric Chemistry and Physics*, **2020**, 20, 8201-8225	6.8	18
123	Sensitive detection of <i>n</i>-alkanes using a mixed ionization mode proton-transfer-reaction mass spectrometer. *Atmospheric Measurement Techniques*, **2016**, 9, 5315-5329	4	18
122	Intercomparison of OH and OH reactivity measurements in a high isoprene and low NO environment during the Southern Oxidant and Aerosol Study (SOAS). *Atmospheric Environment*, **2018**, 174, 227-236	5.3	18
121	VOC emission rates over London and South East England obtained by airborne eddy covariance. *Faraday Discussions*, **2017**, 200, 599-620	3.6	17
120	Probing molecular associations of field-collected and laboratory-generated SOA with nano-DESI high-resolution mass spectrometry. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 1042-1051	4.4	17
119	Thermal history regulates methylbutenol basal emission rate in Pinus ponderosa. *Plant, Cell and Environment*, **2006**, 29, 1298-308	8.4	17
118	Hourly Measurements of Organic Molecular Markers in Urban Shanghai, China: Primary Organic Aerosol Source Identification and Observation of Cooking Aerosol Aging. *ACS Earth and Space Chemistry*, **2020**, 4, 1670-1685	3.2	17
117	Fluorescent biological aerosol particles: Concentrations, emissions, and exposures in a northern California residence. *Indoor Air*, **2018**, 28, 559-571	5.4	16
116	Isomeric product detection in the heterogeneous reaction of hydroxyl radicals with aerosol composed of branched and linear unsaturated organic molecules. *Journal of Physical Chemistry A*, **2014**, 118, 11555-71	2.8	16
115	Predictions of comprehensive two-dimensional gas chromatography separations from isothermal data. *Journal of Chromatography A*, **2012**, 1233, 147-51	4.5	16
114	How Do Indoor Environments Affect Air Pollution Exposure?. *Environmental Science & Technology*, **2021**, 55, 100-108	10.3	16
113	Highly Speciated Measurements of Terpenoids Emitted from Laboratory and Mixed-Conifer Forest Prescribed Fires. *Environmental Science & Technology*, **2019**, 53, 9418-9428	10.3	15
112	Insights into hydroxyl measurements and atmospheric oxidation in a California forest		15

111	Real-time organic aerosol chemical speciation in the indoor environment using extractive electrospray ionization mass spectrometry. *Indoor Air*, **2021**, 31, 141-155	5.4	15
110	Development of an automated high-temperature valveless injection system for online gas chromatography. *Atmospheric Measurement Techniques*, **2014**, 7, 4431-4444	4	14
109	Synthetic ozone deposition and stomatal uptake at flux tower sites. *Biogeosciences*, **2018**, 15, 5395-5413	4.6	14
108	Natural and Anthropogenically Influenced Isoprene Oxidation in Southeastern United States and Central Amazon. *Environmental Science & Technology*, **2020**, 54, 5980-5991	10.3	13
107	A Technique for Rapid Gas Chromatography Analysis Applied to Ambient Organic Aerosol Measurements from the Thermal Desorption Aerosol Gas Chromatograph (TAG). *Aerosol Science and Technology*, **2014**, 48, 1166-1182	3.4	13
106	Evidence of continuing methylchloroform emissions from the United States. *Geophysical Research Letters*, **2004**, 31, n/a-n/a	4.9	13
105	Methane measurements in central New England: An assessment of regional transport from surrounding sources. *Journal of Geophysical Research*, **1998**, 103, 21985-22000		13
104	Dark Chemistry during Bleach Cleaning Enhances Oxidation of Organics and Secondary Organic Aerosol Production Indoors. *Environmental Science and Technology Letters*, **2020**, 7, 795-801	11	13
103	Wildfire smoke impacts on indoor air quality assessed using crowdsourced data in California. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	13
102	Evaluation of regional isoprene emission factors and modeled fluxes in California. *Atmospheric Chemistry and Physics*, **2016**, 16, 9611-9628	6.8	12
101	Multiphase Mechanism for the Production of Sulfuric Acid from SO by Criegee Intermediates Formed During the Heterogeneous Reaction of Ozone with Squalene. *Journal of Physical Chemistry Letters*, **2018**, 9, 3504-3510	6.4	12
100	Carbon isotope fractionation of methyl bromideduring agricultural soil fumigations. *Biogeochemistry*, **2002**, 60, 181-190	3.8	12
99	New constraints on terrestrial and oceanic sources of atmospheric methanol		12
98	Airborne measurements of isoprene and monoterpene emissions from southeastern U.S. forests. *Science of the Total Environment*, **2017**, 595, 149-158	10.2	11
97	Hourly measurements of organic molecular markers in urban Shanghai, China: Observation of enhanced formation of secondary organic aerosol during particulate matter episodic periods. *Atmospheric Environment*, **2020**, 240, 117807	5.3	11
96	High-Resolution Exposure Assessment for Volatile Organic Compounds in Two California Residences. *Environmental Science & Technology*, **2021**, 55, 6740-6751	10.3	11
95	Indoor emissions of total and fluorescent supermicron particles during HOMEChem. *Indoor Air*, **2021**, 31, 88-98	5.4	11
94	Comprehensive Analysis of Changes in Crude Oil Chemical Composition during Biosouring and Treatments. *Environmental Science & Technology*, **2018**, 52, 1290-1300	10.3	10

93	Seasonal variability in anthropogenic halocarbon emissions. *Environmental Science & Technology*, **2010**, 44, 5377-82	10.3	10
92	Atmospheric methyl tertiary butyl ether (MTBE) at a rural mountain site in California. *Journal of Environmental Quality*, **2002**, 31, 1088-94	3.4	10
91	Characterization of a real-time tracer for Isoprene Epoxydiols-derived Secondary Organic Aerosol (IEPOX-SOA) from aerosol mass spectrometer measurements		10
90	Organic and inorganic decomposition products from the thermal desorption of atmospheric particles. *Atmospheric Measurement Techniques*, **2016**, 9, 1569-1586	4	10
89	Introduction: Observations and Modeling of the Green Ocean Amazon (GoAmazon2014/5)		9
88	Quantification of cooking organic aerosol in the indoor environment using aerodyne aerosol mass spectrometers. *Aerosol Science and Technology*, **2021**, 55, 1099-1114	3.4	9
87	Resolving ambient organic aerosol formation and aging pathways with simultaneous molecular composition and volatility observations. *ACS Earth and Space Chemistry*, **2020**, 4, 391-402	3.2	8
86	Overview of the Manitou Experimental Forest Observatory: site description and selected science results from 2008–2013		8
85	The weekend effect within and downwind of Sacramento: Part 1. Observations of ozone, nitrogen oxides, and VOC reactivity		8
84	In Situ Measurements of Molecular Markers Facilitate Understanding of Dynamic Sources of Atmospheric Organic Aerosols. *Environmental Science & Technology*, **2020**, 54, 11058-11069	10.3	8
83	Impact of Air Pollution Controls on Radiation Fog Frequency in the Central Valley of California. *Journal of Geophysical Research D: Atmospheres*, **2019**, 124, 5889	4.4	7
82	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
81	Quantification of isomerically summed hydrocarbon contributions to crude oil by carbon number, double bond equivalent, and aromaticity using gas chromatography with tunable vacuum ultraviolet ionization. *Analyst, The*, **2018**, 143, 1396-1405	5	7
80	Embracing complexity: deciphering origins and transformations of atmospheric organics through speciated measurements. *Environmental Science & Technology*, **2012**, 46, 5265-6	10.3	7
79	Observations of oxidation products above a forest imply biogenic emissions of very reactive compounds		7
78	In-situ ambient quantification of monoterpenes, sesquiterpenes, and related oxygenated compounds during BEARPEX 2007 – implications for gas- and particle-phase chemistry		7
77	Surface Wetness as an Unexpected Control on Forest Exchange of Volatile Organic Acids. *Geophysical Research Letters*, **2020**, 47, e2020GL088745	4.9	7
76	Large Emissions of Low-Volatility Siloxanes during Residential Oven Use. *Environmental Science and Technology Letters*, **2021**, 8, 519-524	11	7

75	Volatile organic compound emissions during HOMEChem. *Indoor Air*, **2021**, 31, 2099-2117	5.4	7
74	A technique for rapid source apportionment applied to ambient organic aerosol measurements from a thermal desorption aerosol gas chromatograph (TAG). *Atmospheric Measurement Techniques*, **2016**, 9, 5637-5653	4	7
73	Water-soluble iron emitted from vehicle exhaust is linked to primary speciated organic compounds. *Atmospheric Chemistry and Physics*, **2020**, 20, 1849-1860	6.8	6
72	Comparison of advanced offline and in situ techniques of organic aerosol composition measurement during the CalNex campaign. *Atmospheric Measurement Techniques*, **2015**, 8, 5177-5187	4	6
71	The 2005 Study of Organic Aerosols at Riverside (SOAR-1): instrumental intercomparisons and fine particle composition		6
70	Tropospheric methanol observations from space: retrieval evaluation and constraints on the seasonality of biogenic emissions		6
69	The international global atmospheric chemistry (IGAC) project: Facilitating atmospheric chemistry research for 25 years. *Anthropocene*, **2015**, 12, 17-28	3.9	5
68	Major components of atmospheric organic aerosol in southern California as determined by hourly measurements of source marker compounds		5
67	Seasonal cycles of biogenic volatile organic compound fluxes and concentrations in a California citrus orchard		5
66	Characterization of particulate matter emissions from on-road gasoline and diesel vehicles using a soot particle aerosol mass spectrometer		5
65	Organic nitrate aerosol formation via NO₃ + BVOC in the Southeastern US		5
64	Seasonal variability of monoterpene emission factors for a ponderosa pine plantation in California		5
63	Simulation of semi-explicit mechanisms of SOA formation from glyoxal in a 3-D model		5
62	High Hydroquinone Emissions from Burning Manzanita. *Environmental Science and Technology Letters*, **2018**, 5, 309-314	11	5
61	Ethylene glycol emissions from on-road vehicles. *Environmental Science & Technology*, **2015**, 49, 3322-3329	10.3	4
60	Atmospheric amines and ammonia measured with a Chemical Ionization Mass Spectrometer (CIMS)		4
59	An ecosystem-scale perspective of the net land methanol flux: synthesis of micrometeorological flux measurements **2015**, 15, 2577-2613		4
58	Highly Resolved Composition during Diesel Evaporation with Modeled Ozone and Secondary Aerosol Formation: Insights into Pollutant Formation from Evaporative Intermediate Volatility Organic Compound Sources. *Environmental Science & Technology*, **2021**, 55, 5742-5751	10.3	4

57	Influence of urban pollution on the production of organic particulate matter from isoprene epoxydiols in central Amazonia **2016**,		3
56	Estimating the atmospheric boundary layer height over sloped, forested terrain from surface spectral analysis during BEARPEX		3
55	Origins and composition of fine atmospheric carbonaceous aerosol in the Sierra Nevada Mountains, California		3
54	Formation and occurrence of dimer esters of pinene oxidation products in atmospheric aerosols		3
53	Observations of glyoxal and formaldehyde as metrics for the anthropogenic impact on rural photochemistry		3
52	Chemical evolution of organic aerosol in Los Angeles during the CalNex 2010 study		3
51	Emissions of organic carbon and methane from petroleum and dairy operations in California's San Joaquin Valley		3
50	Speciated measurements of semivolatile and intermediate volatility organic compounds (S/IVOCs) in a pine forest during BEACHON-RoMBAS 2011		3
49	Contrasting Reactive Organic Carbon Observations in the Southeast United States (SOAS) and Southern California (CalNex). *Environmental Science & Technology*, **2020**, 54, 14923-14935	10.3	3
48	Chemical composition of PM_{2.5} in October 2017 Northern California wildfire plumes. *Atmospheric Chemistry and Physics*, **2021**, 21, 5719-5737	6.8	3
47	The Sea Spray Chemistry and Particle Evolution Study (SeaSCAPE): Overview and Experimental Methods		3
46	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
45	The need for spatially and functionally integrated models of ozone deposition to Sierra Nevada forests. *Developments in Environmental Science*, **2003**, 2, 325-357		2
44	The Sea Spray Chemistry and Particle Evolution study (SeaSCAPE): overview and experimental methods.. *Environmental Sciences: Processes and Impacts*, **2022**,	4.3	2
43	Marine gas-phase sulfur emissions during an induced phytoplankton bloom. *Atmospheric Chemistry and Physics*, **2022**, 22, 1601-1613	6.8	2
42	Observations of sesquiterpenes and their oxidation products in central Amazonia during the wet and dry seasons. *Atmospheric Chemistry and Physics*, **2018**, 18, 10433-10457	6.8	2
41	Coupling of organic and inorganic aerosol systems and the effect on gas-particle partitioning in the southeastern United States		2
40	Forest-atmosphere exchange of ozone: sensitivity to very reactive biogenic VOC emissions and implications for in-canopy photochemistry		2

39	Photochemical modeling of glyoxal at a rural site: observations and analysis from BEARPEX 2007		2
38	Emissions of terpenoids, benzenoids, and other biogenic gas-phase organic compounds from agricultural crops and their potential implications for air quality		2
37	VOC reactivity in central California: comparing an air quality model to ground-based measurements		2
36	Increasing ozone concentrations in marine boundary layer air inflow at the west coasts of North America and Europe		2
35	Eddy covariance fluxes of acyl peroxy nitrates (PAN, PPN, and MPAN) above a Ponderosa pine forest		2
34	Methyl chavicol: characterization of its biogenic emission rate, abundance, and oxidation products in the atmosphere		2
33	Eddy covariance methane measurements at a Ponderosa pine plantation in California		2
32	Sensitive detection of <i>n</i>-alkanes using a mixed ionization mode Proton-Transfer Reaction Mass Spectrometer		2
31	Intake Fractions for Volatile Organic Compounds in Two Occupied California Residences. *Environmental Science and Technology Letters*, **2021**, 8, 386-391	11	2
30	Speciation of OH reactivity above the canopy of an isoprene-dominated forest **2016**,		2
29	Supplementary material to "Marine gas-phase sulfur emissions during an induced phytoplankton bloom"		2
28	On-line derivatization for hourly measurements of gas- and particle-phase Semi-Volatile oxygenated organic compounds by Thermal desorption Aerosol Gas chromatography (SV-TAG) **2014**,		1
27	A relaxed eddy accumulation system for measuring vertical fluxes of nitrous acid **2011**,		1
26	Ozone uptake by ponderosa pine in the Sierra Nevada: A measurement perspective. *Developments in Environmental Science*, **2003**, 2, 83-109		1
25	Atmospheric Benzothiazoles in a Coastal Marine Environment. *Environmental Science & Technology*, **2021**, 55, 15705-15714	10.3	1
24	INFLUENCES OF TEMPERATURE HISTORY, WATER STRESS, AND NEEDLE AGE ON METHYLBUTENOL EMISSIONS **2003**, 84, 765		1
23	Measurement of atmospheric nitrous acid at Blodgett Forest during BEARPEX2007		1
22	Observations of elevated formaldehyde over a forest canopy suggest missing sources from rapid oxidation of arboreal hydrocarbons		1

21	Eddy covariance emission and deposition flux measurements using proton transfer reaction-time of flight-mass spectrometry (PTR-TOF-MS): comparison with PTR-MS measured vertical gradients and fluxes		1
20	On the temperature dependence of organic reactivity, nitrogen oxides, ozone production, and the impact of emission controls in San Joaquin Valley California		1
19	Biomass burning emissions of trace gases and particles in marine air at Cape Grim, Tasmania, 41□S		1
18	Observation of isoprene hydroxynitrates in the Southeastern United States and implications for the fate of NO_{<i>x</i>}		1
17	Total Observed Organic Carbon (TOOC): A synthesis of North American observations		1
16	Closing the peroxy acetyl (PA) radical budget: observations of acyl peroxy nitrates (PAN, PPN, and MPAN) during BEARPEX 2007		1
15	Organic and inorganic decomposition products from the thermal desorption of atmospheric particles		1
14	Development of an in situ dual-channel thermal desorption gas chromatography instrument for consistent quantification of volatile, intermediate-volatility and semivolatile organic compounds. *Atmospheric Measurement Techniques*, **2021**, 14, 6533-6550	4	1
13	Observations of NO_x, □PNs, □ANs, and HNO₃ at a rural site in the California Sierra Nevada Mountains: summertime diurnal cycles		1
12	Observations of the temperature dependent response of ozone to NO_x reductions in the Sacramento, CA urban plume		1
11	Biogenic volatile organic compound emissions during BEARPEX 2009 measured by eddy covariance and flux-gradient similarity methods		1
10	Evaluation of regional isoprene emission factors and modeled fluxes in California **2016**,		1
9	The Lifetime of Nitrogen Oxides in an Isoprene Dominated Forest **2016**,		1
8	Speciated and total emission factors of particulate organics from burning western U.S. wildland fuels and their dependence on combustion efficiency **2018**,		1
7	Urban influence on the concentration and composition of submicron particulate matter in central Amazonia **2018**,		1
6	Observations of sesquiterpenes and their oxidation products in central Amazonia during the wet and dry seasons **2018**,		1
5	Microbial growth and volatile organic compound (VOC) emissions from carpet and drywall under elevated relative humidity conditions. *Microbiome*, **2021**, 9, 209	16.6	0
4	Measurement of Volatile Compounds for Real-Time Analysis of Soil Microbial Metabolic Response to Simulated Snowmelt. *Frontiers in Microbiology*, **2021**, 12, 679671	5.7	0

3	Varying humidity increases emission of volatile nitrogen-containing compounds from building materials. *Building and Environment*, **2021**, 205, 108290	6.5	0
2	Novel Pathways to Form Secondary Organic Aerosols: Glyoxal SOA in WRF/Chem. *Springer Proceedings in Complexity*, **2014**, 149-154	0.3	
1	Ground-based investigation of HO_{<i>x</i>} and ozone chemistry in biomass burning plumes in rural Idaho. *Atmospheric Chemistry and Physics*, **2022**, 22, 4909-4928	6.8	