

# Alex B Guenther

## 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.

455  
papers

38,063  
citations

94  
h-index

183  
g-index

543  
ext. papers

42,738  
ext. citations

6.5  
avg, IF

6.89  
L-index

#	Paper	IF	Citations
455	Reconciling Observed and Predicted Tropical Rainforest OH Concentrations. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2022</b> , 127,	4.4	2
454	Tropical and Boreal Forest Atmosphere Interactions: A Review. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2022</b> , 74, 24-163	3.3	1
453	Assessment of background ozone concentrations in China and implications for using region-specific volatile organic compounds emission abatement to mitigate air pollution.. <i>Environmental Pollution</i> , <b>2022</b> , 119254	9.3	
452	Synergistic effects of biogenic volatile organic compounds and soil nitric oxide emissions on summertime ozone formation in China.. <i>Science of the Total Environment</i> , <b>2022</b> , 154218	10.2	
451	Impact of Drought on Isoprene Fluxes Assessed Using Field Data, Satellite-Based GLEAM Soil Moisture and HCHO Observations from OMI. <i>Remote Sensing</i> , <b>2022</b> , 14, 2021	5	1
450	Development and Assessment of a High-Resolution Biogenic Emission Inventory from Urban Green Spaces in China.. <i>Environmental Science &amp; Technology</i> , <b>2021</b> ,	10.3	8
449	A long-term estimation of biogenic volatile organic compound (BVOC) emission in China from 2001-2016: the roles of land cover change and climate variability. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 4825-4848	6.8	13
448	Contributions to OH reactivity from unexplored volatile organic compounds measured by PTR-ToF-MS in a case study in a suburban forest of the Seoul metropolitan area during the Korea-United States Air Quality Study (KORUS-AQ) 2016. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 6331-6345	6.8	0
447	Isoprene Emissions Response to Drought and the Impacts on Ozone and SOA in China. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD033263	4.4	0
446	Global and regional impacts of land cover changes on isoprene emissions derived from spaceborne data and the MEGAN model. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 8413-8436	6.8	10
445	Cropland trees need to be included for accurate model simulations of land-atmosphere heat fluxes, temperature, boundary layer height, and ozone. <i>Science of the Total Environment</i> , <b>2021</b> , 751, 141728	10.2	2
444	Near-canopy horizontal concentration heterogeneity of semivolatile oxygenated organic compounds and implications for 2-methyltetrols primary emissions. <i>Environmental Science Atmospheres</i> , <b>2021</b> , 1, 8-20		2
443	The role of a suburban forest in controlling vertical trace gas and OH reactivity distributions - a case study for the Seoul metropolitan area. <i>Faraday Discussions</i> , <b>2021</b> , 226, 537-550	3.6	1
442	Deciphering the Source of Primary Biological Aerosol Particles: A Pollen Case Study. <i>ACS Earth and Space Chemistry</i> , <b>2021</b> , 5, 969-979	3.2	2
441	Unexplored volatile organic compound emitted from petrochemical facilities: implications for ozone production and atmospheric chemistry. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 11505-11518	6.8	
440	Effects of Anthropogenic and Biogenic Volatile Organic Compounds on Los Angeles Air Quality. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 12191-12201	10.3	8
439	River winds and pollutant recirculation near the Manaus city in the central Amazon. <i>Communications Earth &amp; Environment</i> , <b>2021</b> , 2,	6.1	2

438	Contributions to OH reactivity from unexplored volatile organic compounds measured by PTR-ToF-MS IIA case study in a suburban forest of the Seoul Metropolitan Area during KORUS-AQ 2016 <b>2020</b> ,		2
437	Dry Deposition of Ozone over Land: Processes, Measurement, and Modeling. <i>Reviews of Geophysics</i> , <b>2020</b> , 58, e2019RG000670	23.1	47
436	Amazonian biogenic volatile organic compounds under global change. <i>Global Change Biology</i> , <b>2020</b> , 26, 4722-4751	11.4	13
435	Oligomer and highly oxygenated organic molecule formation from oxidation of oxygenated monoterpenes emitted by California sage plants. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 10953-10965	6.8	2
434	Emission of biogenic volatile organic compounds from warm and oligotrophic seawater in the Eastern Mediterranean. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 12741-12759	6.8	2
433	Development of a reduced-complexity plant canopy physics surrogate model for use in chemical transport models: a case study with GEOS-Chem v12.3.0. <i>Geoscientific Model Development</i> , <b>2020</b> , 13, 2569-2585	6.3	3
432	Model of Emissions of Gases and Aerosol from Nature Version 3 (MEGAN3) for Estimating Biogenic Emissions. <i>Springer Proceedings in Complexity</i> , <b>2020</b> , 187-192	0.3	5
431	Contrasting Reactive Organic Carbon Observations in the Southeast United States (SOAS) and Southern California (CalNex). <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 14923-14935	10.3	3
430	A portable, low-cost relaxed eddy accumulation (REA) system for quantifying ecosystem-level fluxes of volatile organics. <i>Atmospheric Environment</i> , <b>2020</b> , 242, 117764	5.3	2
429	PTR-TOF-MS eddy covariance measurements of isoprene and monoterpene fluxes from an eastern Amazonian rainforest. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 7179-7191	6.8	8
428	Microanalysis of Primary Biological Particles from Model Grass over Its Life Cycle. <i>ACS Earth and Space Chemistry</i> , <b>2020</b> , 4, 1895-1905	3.2	3
427	Chamber-based insights into the factors controlling IEPOX SOA yield, composition, and volatility <b>2019</b> ,		2
426	Direct retrieval of isoprene from satellite-based infrared measurements. <i>Nature Communications</i> , <b>2019</b> , 10, 3811	17.4	26
425	Evaluation of semi-static enclosure technique for rapid surveys of biogenic volatile organic compounds (BVOCs) emission measurements. <i>Atmospheric Environment</i> , <b>2019</b> , 212, 1-5	5.3	7
424	Sensitivity of isoprene emissions to drought over south-eastern Australia: Integrating models and satellite observations of soil moisture. <i>Atmospheric Environment</i> , <b>2019</b> , 209, 112-124	5.3	10
423	Urban pollution greatly enhances formation of natural aerosols over the Amazon rainforest. <i>Nature Communications</i> , <b>2019</b> , 10, 1046	17.4	72
422	Emission of volatile halogenated organic compounds over various Dead Sea landscapes. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 7667-7690	6.8	4
421	A sampler for atmospheric volatile organic compounds by copter unmanned aerial vehicles. <i>Atmospheric Measurement Techniques</i> , <b>2019</b> , 12, 3123-3135	4	22

420	Intermediate-scale horizontal isoprene concentrations in the near-canopy forest atmosphere and implications for emission heterogeneity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 19318-19323	11.5	15
419	Chamber-based insights into the factors controlling epoxydiol (IEPOX) secondary organic aerosol (SOA) yield, composition, and volatility. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 11253-11265	6.8	21
418	Integration of airborne and ground observations of nitryl chloride in the Seoul metropolitan area and the implications on regional oxidation capacity during KORUS-AQ 2016. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 12779-12795	6.8	11
417	Atmo-ecometabolomics: a novel atmospheric particle chemical characterization methodology for ecological research. <i>Environmental Monitoring and Assessment</i> , <b>2019</b> , 191, 78	3.1	5
416	Secondary organic aerosol formation from ambient air in an oxidation flow reactor in central Amazonia. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 467-493	6.8	49
415	Regional to Global Biogenic Isoprene Emission Responses to Changes in Vegetation From 2000 to 2015. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 3757-3771	4.4	25
414	Isoprene photo-oxidation products quantify the effect of pollution on hydroxyl radicals over Amazonia. <i>Science Advances</i> , <b>2018</b> , 4, eaar2547	14.3	19
413	Terpene Composition Complexity Controls Secondary Organic Aerosol Yields from Scots Pine Volatile Emissions. <i>Scientific Reports</i> , <b>2018</b> , 8, 3053	4.9	33
412	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
411	Southeast Atmosphere Studies: learning from model-observation syntheses. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 2615-2651	6.8	31
410	Isoprene Emission Response to Drought and the Impact on Global Atmospheric Chemistry. <i>Atmospheric Environment</i> , <b>2018</b> , 183, 69-83	5.3	33
409	Tropospheric HONO distribution and chemistry in the southeastern US. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 9107-9120	6.8	13
408	A MODIS Photochemical Reflectance Index (PRI) as an Estimator of Isoprene Emissions in a Temperate Deciduous Forest. <i>Remote Sensing</i> , <b>2018</b> , 10, 557	5	9
407	Leaf phenology as one important driver of seasonal changes in isoprene emissions in central Amazonia. <i>Biogeosciences</i> , <b>2018</b> , 15, 4019-4032	4.6	12
406	Impact of Short-Term Climate Variability on Volatile Organic Compounds Emissions Assessed Using OMI Satellite Formaldehyde Observations. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 8681-8689	4.9	15
405	Peroxyacetyl Nitrate and Ozone Enhancement at Taehwa Research Forest under the Influence of Seoul Metropolitan Area. <i>Aerosol and Air Quality Research</i> , <b>2018</b> , 18, 2262-2273	4.6	3
404	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
403	Integration of Airborne and Ground Observations of Nitryl Chloride in the Seoul Metropolitan Area and the Implications on Regional Oxidation Capacity During KORUS-AQ 2016 <b>2018</b> ,		2

402	Recent past (1979-2014) and future (2070-2099) isoprene fluxes over Europe simulated with the MEGAN-MOHYCAN model. <i>Biogeosciences</i> , <b>2018</b> , 15, 3673-3690	4.6	15
401	Constraining nucleation, condensation, and chemistry in oxidation flow reactors using size-distribution measurements and aerosol microphysical modeling. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 12433-12460	6.8	10
400	Biomass burning emission disturbances of isoprene oxidation in a tropical forest. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 12715-12734	6.8	9
399	Impacts of biogenic and anthropogenic emissions on summertime ozone formation in the Guanzhong Basin, China. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 7489-7507	6.8	41
398	Seasonal and interannual variations in whole-ecosystem BVOC emissions from a subtropical plantation in China. <i>Atmospheric Environment</i> , <b>2017</b> , 161, 176-190	5.3	28
397	Airborne observations reveal elevational gradient in tropical forest isoprene emissions. <i>Nature Communications</i> , <b>2017</b> , 8, 15541	17.4	38
396	Airborne measurements of isoprene and monoterpene emissions from southeastern U.S. forests. <i>Science of the Total Environment</i> , <b>2017</b> , 595, 149-158	10.2	11
395	Springtime ecosystem-scale monoterpene fluxes from Mediterranean pine forests across a precipitation gradient. <i>Agricultural and Forest Meteorology</i> , <b>2017</b> , 237-238, 150-159	5.8	11
394	Linkages between land initialization of the NASA-Unified WRF v7 and biogenic isoprene emission estimates during the SEAC <sup>4</sup> RS and DISCOVER-AQ airborne campaigns <b>2017</b> ,		1
393	Biogenic isoprene emissions driven by regional weather predictions using different initialization methods: case studies during the SEAC <sup>4</sup> RS and DISCOVER-AQ airborne campaigns. <i>Geoscientific Model Development</i> , <b>2017</b> , 10, 3085-3104	6.3	5
392	Comprehensive characterization of atmospheric organic carbon at a forested site. <i>Nature Geoscience</i> , <b>2017</b> , 10, 748-753	18.3	49
391	Drought impacts on photosynthesis, isoprene emission and atmospheric formaldehyde in a mid-latitude forest. <i>Atmospheric Environment</i> , <b>2017</b> , 167, 190-201	5.3	11
390	Close and distant: Contrasting the metabolism of two closely related subspecies of Scots pine under the effects of folivory and summer drought. <i>Ecology and Evolution</i> , <b>2017</b> , 7, 8976-8988	2.8	17
389	The Green Ocean Amazon Experiment (GoAmazon2014/5) Observes Pollution Affecting Gases, Aerosols, Clouds, and Rainfall over the Rain Forest. <i>Bulletin of the American Meteorological Society</i> , <b>2017</b> , 98, 981-997	6.1	94
388	Ethene, propene, butene and isoprene emissions from a ponderosa pine forest measured by relaxed eddy accumulation. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 13417-13438	6.8	17
387	Ethene, propene, butene and isoprene emissions from a ponderosa pine forest measured by Relaxed Eddy Accumulation <b>2017</b> ,		1
386	Recent advances in understanding secondary organic aerosol: Implications for global climate forcing. <i>Reviews of Geophysics</i> , <b>2017</b> , 55, 509-559	23.1	359
385	Sensitivity analysis of simulated SOA loadings using a variance-based statistical approach. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2016</b> , 8, 499-519	7.1	10

384	Photosynthesis, stomatal conductance and terpene emission response to water availability in dry and mesic Mediterranean forests. <i>Trees - Structure and Function</i> , <b>2016</b> , 30, 749-759	2.6	24
383	Nine years of global hydrocarbon emissions based on source inversion of OMI formaldehyde observations. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 10133-10158	6.8	77
382	Introduction: Observations and Modeling of the Green Ocean Amazon (GoAmazon2014/5). <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 4785-4797	6.8	162
381	Measurements of biogenic volatile organic compounds at a grazed savannah grassland agricultural landscape in South Africa. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 15665-15688	6.8	22
380	Seasonality of isoprenoid emissions from a primary rainforest in central Amazonia. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 3903-3925	6.8	34
379	Evaluation of regional isoprene emission factors and modeled fluxes in California. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 9611-9628	6.8	12
378	Volatility and lifetime against OH heterogeneous reaction of ambient isoprene-epoxydiols-derived secondary organic aerosol (IEPOX-SOA). <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 11563-11580	6.8	60
377	Molecular composition of organic aerosols in central Amazonia: an ultra-high-resolution mass spectrometry study. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 11899-11913	6.8	37
376	Current estimates of biogenic emissions from eucalypts uncertain for southeast Australia. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 6997-7011	6.8	37
375	Understanding isoprene photooxidation using observations and modeling over a subtropical forest in the southeastern US. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 7725-7741	6.8	18
374	Towards a quantitative understanding of total OH reactivity: A review. <i>Atmospheric Environment</i> , <b>2016</b> , 134, 147-161	5.3	83
373	Numerical model to quantify biogenic volatile organic compound emissions: The Pearl River Delta region as a case study. <i>Journal of Environmental Sciences</i> , <b>2016</b> , 46, 72-82	6.4	9
372	Seasonal variations in whole-ecosystem BVOC emissions from a subtropical bamboo plantation in China. <i>Atmospheric Environment</i> , <b>2016</b> , 124, 12-21	5.3	21
371	Large drought-induced variations in oak leaf volatile organic compound emissions during PINOT NOIR 2012. <i>Chemosphere</i> , <b>2016</b> , 146, 8-21	8.4	10
370	Evaluation of regional isoprene emission factors and modeled fluxes in California <b>2016</b> ,		1
369	Measurements of biogenic volatile organic compounds at a grazed savannah-grassland-agriculture landscape in South Africa <b>2016</b> ,		1
368	Nine years of global hydrocarbon emissions based on source inversion of OMI formaldehyde observations <b>2016</b> ,		1
367	Sensitivity of biogenic volatile organic compounds to land surface parameterizations and vegetation distributions in California. <i>Geoscientific Model Development</i> , <b>2016</b> , 9, 1959-1976	6.3	19

366	Sensitivity of biogenic volatile organic compounds (BVOCs) to land surface parameterizations and vegetation distributions in California <b>2016</b> ,		1
365	Are the metabolomic responses to folivory of closely related plant species linked to macroevolutionary and plant-folivore coevolutionary processes?. <i>Ecology and Evolution</i> , <b>2016</b> , 6, 4372-86 <sup>2.8</sup>		15
364	Dysautonomia in prodromal synucleinopathy: peripheral versus central autonomic degeneration. <i>European Journal of Neurology</i> , <b>2016</b> , 23, 878-90	6	6
363	Similar local, but different systemic, metabolomic responses of closely related pine subspecies to folivory by caterpillars of the processionary moth. <i>Plant Biology</i> , <b>2016</b> , 18, 484-94	3.7	18
362	Shifts in plant foliar and floral metabolomes in response to the suppression of the associated microbiota. <i>BMC Plant Biology</i> , <b>2016</b> , 16, 78	5.3	31
361	Isoprene suppression of new particle formation: Potential mechanisms and implications. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 14,621	4.4	26
360	A new paradigm of quantifying ecosystem stress through chemical signatures. <i>Ecosphere</i> , <b>2016</b> , 7, e01559 <sup>1</sup>	3.1	13
359	Simple, stable, and affordable: Towards long-term ecosystem scale flux measurements of VOCs. <i>Atmospheric Environment</i> , <b>2016</b> , 131, 225-227	5.3	13
358	Isoprene photochemistry over the Amazon rainforest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 6125-30	11.5	63
357	Improving our fundamental understanding of the role of aerosol-cloud interactions in the climate system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 5781-90 <sup>5</sup>	11.5	314
356	Rapid cycling of reactive nitrogen in the marine boundary layer. <i>Nature</i> , <b>2016</b> , 532, 489-91	50.4	98
355	Testing Atmospheric Oxidation in an Alabama Forest. <i>Journals of the Atmospheric Sciences</i> , <b>2016</b> , 73, 4699-4710	2.1	42
354	Canopy level emissions of 2-methyl-3-buten-2-ol, monoterpenes, and sesquiterpenes from an experimental Pinus taeda plantation. <i>Science of the Total Environment</i> , <b>2016</b> , 565, 730-741	10.2	5
353	Topsoil depth substantially influences the responses to drought of the foliar metabolomes of Mediterranean forests. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , <b>2016</b> , 21, 41-54	3	24
352	Atmospheric benzenoid emissions from plants rival those from fossil fuels. <i>Scientific Reports</i> , <b>2015</b> , 5, 12064	4.9	79
351	TROPOSPHERIC CHEMISTRY AND COMPOSITION   Biogenic Hydrocarbons <b>2015</b> , 214-217		1
350	Potential role of stabilized Criegee radicals in sulfuric acid production in a high biogenic VOC environment. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 3383-91	10.3	14
349	Bi-directional Exchange of Volatile Organic Compounds <b>2015</b> , 169-179		1

348	BioEarth: Envisioning and developing a new regional earth system model to inform natural and agricultural resource management. <i>Climatic Change</i> , <b>2015</b> , 129, 555-571	4.5	26
347	The significance of land-atmosphere interactions in the Earth system—LEAPS achievements and perspectives. <i>Anthropocene</i> , <b>2015</b> , 12, 69-84	3.9	22
346	Airborne flux measurements of methane and volatile organic compounds over the Haynesville and Marcellus shale gas production regions. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 6271-6289	4.4	37
345	Forest-atmosphere BVOC exchange in diverse and structurally complex canopies: 1-D modeling of a mid-successional forest in northern Michigan. <i>Atmospheric Environment</i> , <b>2015</b> , 120, 217-226	5.3	13
344	Ecosystem-scale volatile organic compound fluxes during an extreme drought in a broadleaf temperate forest of the Missouri Ozarks (central USA). <i>Global Change Biology</i> , <b>2015</b> , 21, 3657-74	11.4	59
343	Dimethyl sulfide in the Amazon rain forest. <i>Global Biogeochemical Cycles</i> , <b>2015</b> , 29, 19-32	5.9	49
342	An ecosystem-scale perspective of the net land methanol flux: synthesis of micrometeorological flux measurements. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 2577-2613	6.8	25
341	Contribution from biogenic organic compounds to particle growth during the 2010 BEACHON-ROCS campaign in a Colorado temperate needleleaf forest. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 8643-8656	6.8	11
340	Submicron particle mass concentrations and sources in the Amazonian wet season (AMAZE-08). <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 3687-3701	6.8	77
339	Impact of isoprene and HONO chemistry on ozone and OVOC formation in a semirural South Korean forest. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 4357-4371	6.8	37
338	Chemistry-turbulence interactions and mesoscale variability influence the cleansing efficiency of the atmosphere. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 10,894	4.9	25
337	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
336	The effects of global change upon United States air quality. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 12645-12665	6.8	25
335	How consistent are top-down hydrocarbon emissions based on formaldehyde observations from GOME-2 and OMI?. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 11861-11884	6.8	53
334	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
333	Reducing the negative human-health impacts of bioenergy crop emissions through region-specific crop selection. <i>Environmental Research Letters</i> , <b>2015</b> , 10, 054004	6.2	2
332	Production of extremely low volatile organic compounds from biogenic emissions: Measured yields and atmospheric implications. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 7123-8	11.5	260
331	Seasonal and interannual variations in whole-ecosystem isoprene and monoterpene emissions from a temperate mixed forest in Northern China. <i>Atmospheric Pollution Research</i> , <b>2015</b> , 6, 696-707	4.5	23



330	Bidirectional Exchange of Volatile Organic Compounds <b>2015</b> , 107-113		4
329	An ecosystem-scale perspective of the net land methanol flux: synthesis of micrometeorological flux measurements <b>2015</b> , 15, 2577-2613		4
328	Observations and models of emissions of volatile terpenoid compounds from needles of ponderosa pine trees growing in situ: control by light, temperature and stomatal conductance. <i>Oecologia</i> , <b>2014</b> , 176, 35-55	2.9	33
327	Primary and secondary organics in the tropical Amazonian rainforest aerosols: chiral analysis of 2-methyltetraols. <i>Environmental Sciences: Processes and Impacts</i> , <b>2014</b> , 16, 1413-21	4.3	7
326	Observed and modeled ecosystem isoprene fluxes from an oak-dominated temperate forest and the influence of drought stress. <i>Atmospheric Environment</i> , <b>2014</b> , 84, 314-322	5.3	47
325	Uncertainties of isoprene emissions in the MEGAN model estimated for a coniferous and broad-leaved mixed forest in Southern China. <i>Atmospheric Environment</i> , <b>2014</b> , 98, 105-110	5.3	21
324	Total OH reactivity measurements in ambient air in a southern Rocky mountain ponderosa pine forest during BEACHON-SRM08 summer campaign. <i>Atmospheric Environment</i> , <b>2014</b> , 85, 1-8	5.3	34
323	Secondary Organic Aerosol Formation via 2-Methyl-3-buten-2-ol Photooxidation: Evidence of Acid-Catalyzed Reactive Uptake of Epoxides. <i>Environmental Science and Technology Letters</i> , <b>2014</b> , 1, 242-247	5.4	38
322	The primary and recycling sources of OH during the NACHTT-2011 campaign: HONO as an important OH primary source in the wintertime. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 6886-6896	4.4	53
321	Airborne flux measurements of biogenic isoprene over California. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 10631-10647	6.8	31
320	Atmospheric amines and ammonia measured with a chemical ionization mass spectrometer (CIMS). <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 12181-12194	6.8	99
319	Isoprene emissions over Asia 1979-2012: impact of climate and land-use changes. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 4587-4605	6.8	86
318	Missing peroxy radical sources within a summertime ponderosa pine forest. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 4715-4732	6.8	44
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