

Alex B Guenther

List of Publications by Year in descending order

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390
papers

47,167
citations

2538

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543
times ranked

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#	ARTICLE	IF	CITATIONS
1	Estimates of global terrestrial isoprene emissions using MEGAN (Model of Emissions of Gases and Aerosols from Nature) v1.0. <i>Global Biogeochemical Cycles</i> , 2010, 24, 1011-1025.	10.78	3,818
2	A global model of natural volatile organic compound emissions. <i>Journal of Geophysical Research</i> , 1995, 100, 8873.	3.3	3,610
3	The Model of Emissions of Gases and Aerosols from Nature version 2.1 (MEGAN2.1): an extended and updated framework for modeling biogenic emissions. <i>Geoscientific Model Development</i> , 2012, 5, 1471-1492.	1.3	2,535
4	Description and evaluation of the Model for Ozone and Related chemical Tracers, version 4 (MOZART-4). <i>Geoscientific Model Development</i> , 2010, 3, 43-67.	1.3	1,590
5	Isoprene and monoterpene emission rate variability: Model evaluations and sensitivity analyses. <i>Journal of Geophysical Research</i> , 1993, 98, 12609-12617.	3.3	1,432
6	Emissions of volatile organic compounds from vegetation and the implications for atmospheric chemistry. <i>Global Biogeochemical Cycles</i> , 1992, 6, 389-430.	1.9	788
7	Sulfur emissions to the atmosphere from natural sources. <i>Journal of Atmospheric Chemistry</i> , 1992, 14, 315-337.	1.4	723
8	Atmospheric composition change and its impact on global and regional air quality. <i>Atmospheric Environment</i> , 2009, 43, 5268-5350.	1.9	714
9	Global data set of biogenic VOC emissions calculated by the MEGAN model over the last 30 years. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 9317-9341.	1.9	648
10	Natural emissions of non-methane volatile organic compounds, carbon monoxide, and oxides of nitrogen from North America. <i>Atmospheric Environment</i> , 2000, 34, 2205-2230.	1.9	591
11	Recent advances in understanding secondary organic aerosol: Implications for global climate forcing. <i>Reviews of Geophysics</i> , 2017, 55, 509-559.	9.0	548
12	Biogenic Hydrocarbons in the Atmospheric Boundary Layer: A Review. <i>Bulletin of the American Meteorological Society</i> , 2000, 81, 1537-1575.	1.7	532
13	Isoprene and monoterpene emission rate variability: Observations with eucalyptus and emission rate algorithm development. <i>Journal of Geophysical Research</i> , 1991, 96, 10799-10808.	3.3	496
14	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> , 2016, 113, 5781-5790.	3.3	479
15	Natural volatile organic compound emission rate estimates for U.S. woodland landscapes. <i>Atmospheric Environment</i> , 1994, 28, 1197-1210.	1.9	477
16	Inventorizing emissions from nature in Europe. <i>Journal of Geophysical Research</i> , 1999, 104, 8113-8152.	3.3	452
17	Critical assessment of the current state of scientific knowledge, terminology, and research needs concerning the role of organic aerosols in the atmosphere, climate, and global change. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 2017-2038.	1.9	447
18	A national inventory of biogenic hydrocarbon emissions. <i>Atmospheric Environment</i> , 1987, 21, 1695-1705.	1.1	361

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19	Production of extremely low volatile organic compounds from biogenic emissions: Measured yields and atmospheric implications. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7123-7128.	3.3	337
20	Predicted change in global secondary organic aerosol concentrations in response to future climate, emissions, and land use change. Journal of Geophysical Research, 2008, 113, .	3.3	335
21	Biogenic emissions in Europe: 1. Estimates and uncertainties. Journal of Geophysical Research, 1995, 100, 22875.	3.3	329
22	SEASONAL AND SPATIAL VARIATIONS IN NATURAL VOLATILE ORGANIC COMPOUND EMISSIONS. , 1997, 7, 34-45.		306
23	A review of the anthropogenic influence on biogenic secondary organic aerosol. Atmospheric Chemistry and Physics, 2011, 11, 321-343.	1.9	297
24	Sources and properties of Amazonian aerosol particles. Reviews of Geophysics, 2010, 48, .	9.0	283
25	Global atmospheric budget of acetaldehyde: 3-D model analysis and constraints from in-situ and satellite observations. Atmospheric Chemistry and Physics, 2010, 10, 3405-3425.	1.9	278
26	A review and synthesis of monoterpene speciation from forests in the United States. Atmospheric Environment, 2000, 34, 1761-1781.	1.9	266
27	Global budget of methanol: Constraints from atmospheric observations. Journal of Geophysical Research, 2005, 110, .	3.3	263
28	An improved model for estimating emissions of volatile organic compounds from forests in the eastern United States. Journal of Geophysical Research, 1994, 99, 12773.	3.3	256
29	Global isoprene emissions estimated using MEGAN, ECMWF analyses and a detailed canopy environment model. Atmospheric Chemistry and Physics, 2008, 8, 1329-1341.	1.9	249
30	Quantifying the seasonal and interannual variability of North American isoprene emissions using satellite observations of the formaldehyde column. Journal of Geophysical Research, 2006, 111, .	3.3	240
31	Sesquiterpene emissions from vegetation: a review. Biogeosciences, 2008, 5, 761-777.	1.3	240
32	Influence of increased isoprene emissions on regional ozone modeling. Journal of Geophysical Research, 1998, 103, 25611-25629.	3.3	234
33	Spatial distribution of isoprene emissions from North America derived from formaldehyde column measurements by the OMI satellite sensor. Journal of Geophysical Research, 2008, 113, .	3.3	234
34	Environmental and developmental controls over the seasonal pattern of isoprene emission from aspen leaves. Oecologia, 1994, 99, 260-270.	0.9	230
35	Exchange processes of volatile organic compounds above a tropical rain forest: Implications for modeling tropospheric chemistry above dense vegetation. Journal of Geophysical Research, 2004, 109, .	3.3	223
36	The tropical forest and fire emissions experiment: laboratory fire measurements and synthesis of campaign data. Atmospheric Chemistry and Physics, 2008, 8, 3509-3527.	1.9	221

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37	Efficient Atmospheric Cleansing of Oxidized Organic Trace Gases by Vegetation. <i>Science</i> , 2010, 330, 816-819.	6.0	213
38	Introduction: Observations and Modeling of the Green Ocean Amazon (GoAmazon2014/5). <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 4785-4797.	1.9	213
39	The Tropical Forest and Fire Emissions Experiment: overview and airborne fire emission factor measurements. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 5175-5196.	1.9	212
40	Isoprene emission estimates and uncertainties for the central African EXPRESSO study domain. <i>Journal of Geophysical Research</i> , 1999, 104, 30625-30639.	3.3	207
41	The tropical forest and fire emissions experiment: Emission, chemistry, and transport of biogenic volatile organic compounds in the lower atmosphere over Amazonia. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	206
42	Evaluating the performance of pyrogenic and biogenic emission inventories against one decade of space-based formaldehyde columns. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 1037-1060.	1.9	198
43	Emission of 2-methyl-3-buten-2-ol by pines: A potentially large natural source of reactive carbon to the atmosphere. <i>Journal of Geophysical Research</i> , 1998, 103, 25479-25486.	3.3	194
44	An inventory of nitric oxide emissions from soils in the United States. <i>Journal of Geophysical Research</i> , 1992, 97, 7511-7519.	3.3	191
45	Atmospheric methanol budget and ocean implication. <i>Global Biogeochemical Cycles</i> , 2002, 16, 80-1-80-13.	1.9	191
46	The Tropical Forest and Fire Emissions Experiment: method evaluation of volatile organic compound emissions measured by PTR-MS, FTIR, and GC from tropical biomass burning. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 5883-5897.	1.9	186
47	Virtual disjunct eddy covariance measurements of organic compound fluxes from a subalpine forest using proton transfer reaction mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2002, 2, 279-291.	1.9	184
48	Monoterpene and Sesquiterpene Emission Estimates for the United States. <i>Environmental Science & Technology</i> , 2008, 42, 1623-1629.	4.6	182
49	Effects of light, temperature and canopy position on net photosynthesis and isoprene emission from sweetgum (<i>Liquidambar styraciflua</i>) leaves. <i>Tree Physiology</i> , 1996, 16, 25-32.	1.4	179
50	Global terrestrial isoprene emission models: sensitivity to variability in climate and vegetation. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 8037-8052.	1.9	178
51	A Preliminary Synthesis of Modeled Climate Change Impacts on U.S. Regional Ozone Concentrations. <i>Bulletin of the American Meteorological Society</i> , 2009, 90, 1843-1864.	1.7	175
52	Plant Production and Emission of Volatile Organic Compounds. <i>BioScience</i> , 1997, 47, 373-383.	2.2	173
53	The contribution of reactive carbon emissions from vegetation to the carbon balance of terrestrial ecosystems. <i>Chemosphere</i> , 2002, 49, 837-844.	4.2	171
54	Mass spectral characterization of submicron biogenic organic particles in the Amazon Basin. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	171

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55	An overview of the Amazonian Aerosol Characterization Experiment 2008 (AMAZE-08). <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 11415-11438.	1.9	170
56	Ozone photochemical production in urban Shanghai, China: Analysis based on ground level observations. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	167
57	Estimations of isoprenoid emission capacity from enclosure studies: measurements, data processing, quality and standardized measurement protocols. <i>Biogeosciences</i> , 2011, 8, 2209-2246.	1.3	166
58	Atmospheric volatile organic compounds (VOC) at a remote tropical forest site in central Amazonia. <i>Atmospheric Environment</i> , 2000, 34, 4063-4072.	1.9	164
59	Sesquiterpene Emissions from Pine Trees – Identifications, Emission Rates and Flux Estimates for the Contiguous United States. <i>Environmental Science & Technology</i> , 2007, 41, 1545-1553.	4.6	159
60	Rapid cycling of reactive nitrogen in the marine boundary layer. <i>Nature</i> , 2016, 532, 489-491.	13.7	159
61	Response of isoprene emission to ambient CO ₂ changes and implications for global budgets. <i>Global Change Biology</i> , 2009, 15, 1127-1140.	4.2	158
62	Isoprene fluxes measured by enclosure, relaxed eddy accumulation, surface layer gradient, mixed layer gradient, and mixed layer mass balance techniques. <i>Journal of Geophysical Research</i> , 1996, 101, 18555-18567.	3.3	154
63	Contribution of isoprene to chemical budgets: A model tracer study with the NCAR CTM MOZART-4. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	154
64	Biogenic volatile organic compound emissions (BVOCs) I. Identifications from three continental sites in the U.S.. <i>Chemosphere</i> , 1999, 38, 2163-2187.	4.2	148
65	Seasonal variation of biogenic VOC emissions above a mixed hardwood forest in northern Michigan. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	1.5	147
66	Global emissions of non-methane hydrocarbons deduced from SCIAMACHY formaldehyde columns through 2003–2006. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 3663-3679.	1.9	144
67	Assessment of volatile organic compound emissions from ecosystems of China. <i>Journal of Geophysical Research</i> , 2002, 107, ACH 16-1-ACH 16-21.	3.3	142
68	Emissions and ambient distributions of Biogenic Volatile Organic Compounds (BVOC) in a ponderosa pine ecosystem: interpretation of PTR-MS mass spectra. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 1759-1771.	1.9	140
69	A new European plant-specific emission inventory of biogenic volatile organic compounds for use in atmospheric transport models. <i>Biogeosciences</i> , 2009, 6, 1059-1087.	1.3	138
70	Rapid formation of isoprene photo-oxidation products observed in Amazonia. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 7753-7767.	1.9	136
71	Seasonal temperature variations influence isoprene emission. <i>Geophysical Research Letters</i> , 2001, 28, 1707-1710.	1.5	135
72	Megacity impacts on regional ozone formation: observations and WRF-Chem modeling for the MIRAGE-Shanghai field campaign. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 5655-5669.	1.9	132

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73	Estimates of regional natural volatile organic compound fluxes from enclosure and ambient measurements. <i>Journal of Geophysical Research</i> , 1996, 101, 1345-1359.	3.3	131
74	Urban pollution greatly enhances formation of natural aerosols over the Amazon rainforest. <i>Nature Communications</i> , 2019, 10, 1046.	5.8	131
75	Effect of drought on isoprene emission rates from leaves of <i>Quercus virginiana</i> Mill.. <i>Atmospheric Environment</i> , 2004, 38, 6149-6156.	1.9	130
76	Overview: oxidant and particle photochemical processes above a south-east Asian tropical rainforest (the OP3 project): introduction, rationale, location characteristics and tools. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 169-199.	1.9	130
77	Sesquiterpene emissions from loblolly pine and their potential contribution to biogenic aerosol formation in the Southeastern US. <i>Atmospheric Environment</i> , 2006, 40, 4150-4157.	1.9	128
78	Organosulfates as Tracers for Secondary Organic Aerosol (SOA) Formation from 2-Methyl-3-Buten-2-ol (MBO) in the Atmosphere. <i>Environmental Science & Technology</i> , 2012, 46, 9437-9446.	4.6	128
79	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> , 2017, 98, 981-997.	1.7	128
80	Seasonal and interannual variability of North American isoprene emissions as determined by formaldehyde column measurements from space. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	1.5	125
81	Methane emissions from upland forest soils and vegetation. <i>Tree Physiology</i> , 2008, 28, 491-498.	1.4	125
82	Temporal variability in basal isoprene emission factor. <i>Tree Physiology</i> , 2000, 20, 799-805.	1.4	123
83	Eddy covariance measurement of isoprene fluxes. <i>Journal of Geophysical Research</i> , 1998, 103, 13145-13152.	3.3	122
84	First space-based derivation of the global atmospheric methanol emission fluxes. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 4873-4898.	1.9	122
85	Atmospheric amines and ammonia measured with a chemical ionization mass spectrometer (CIMS). <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 12181-12194.	1.9	121
86	Eddy covariance measurements of oxygenated volatile organic compound fluxes from crop harvesting using a redesigned proton-transfer-reaction mass spectrometer. <i>Journal of Geophysical Research</i> , 2001, 106, 24157-24167.	3.3	119
87	Carbon trace gas fluxes along a successional gradient in the Hudson Bay lowland. <i>Journal of Geophysical Research</i> , 1994, 99, 1469.	3.3	118
88	Light dependency of VOC emissions from selected Mediterranean plant species. <i>Atmospheric Environment</i> , 2002, 36, 3147-3159.	1.9	118
89	Development of Atmospheric Tracer Methods To Measure Methane Emissions from Natural Gas Facilities and Urban Areas. <i>Environmental Science & Technology</i> , 1995, 29, 1468-1479.	4.6	117
90	Environmental controls over isoprene emission in deciduous oak canopies. <i>Tree Physiology</i> , 1997, 17, 705-714.	1.4	117

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91	Role of canopy-scale photochemistry in modifying biogenic-atmosphere exchange of reactive terpene species: Results from the CELTIC field study. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	117
92	Towards a quantitative understanding of total OH reactivity: A review. <i>Atmospheric Environment</i> , 2016, 134, 147-161.	1.9	117
93	Model sensitivity evaluation for organic carbon using two multi-pollutant air quality models that simulate regional haze in the southeastern United States. <i>Atmospheric Environment</i> , 2006, 40, 4960-4972.	1.9	116
94	Measurement of atmospheric sesquiterpenes by proton transfer reaction-mass spectrometry (PTR-MS). <i>Atmospheric Measurement Techniques</i> , 2009, 2, 99-112.	1.2	115
95	Isoprene emissions over Asia 1979–2012: impact of climate and land-use changes. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 4587-4605.	1.9	114
96	Tethered balloon measurements of biogenic VOCs in the atmospheric boundary layer. <i>Atmospheric Environment</i> , 1999, 33, 855-867.	1.9	111
97	Eddy covariance measurement of biogenic oxygenated VOC emissions from hay harvesting. <i>Atmospheric Environment</i> , 2001, 35, 491-495.	1.9	110
98	Future Changes in Biogenic Isoprene Emissions: How Might They Affect Regional and Global Atmospheric Chemistry?. <i>Earth Interactions</i> , 2006, 10, 1-19.	0.7	110
99	Impacts of weather conditions modified by urban expansion on surface ozone: Comparison between the Pearl River Delta and Yangtze River Delta regions. <i>Advances in Atmospheric Sciences</i> , 2009, 26, 962-972.	1.9	110
100	The bi-directional exchange of oxygenated VOCs between a loblolly pine (<>Pinus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3015-3031.	1.9	109
101	The Canopy Horizontal Array Turbulence Study. <i>Bulletin of the American Meteorological Society</i> , 2011, 92, 593-611.	1.7	109
102	Nine years of global hydrocarbon emissions based on source inversion of OMI formaldehyde observations. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 10133-10158.	1.9	109
103	Eddy covariance fluxes of peroxyacetyl nitrates (PANs) and NO _y to a coniferous forest. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	107
104	An Eddy-Covariance System for the Measurement of Surface/Atmosphere Exchange Fluxes of Submicron Aerosol Chemical Species—First Application Above an Urban Area. <i>Aerosol Science and Technology</i> , 2008, 42, 636-657.	1.5	107
105	Simulating biogenic volatile organic compound emissions in the Community Climate System Model. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	106
106	Biogenic methanol and its impacts on tropospheric oxidants. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	1.5	104
107	Atmospheric benzenoid emissions from plants rival those from fossil fuels. <i>Scientific Reports</i> , 2015, 5, 12064.	1.6	104
108	Disjunct eddy covariance measurements of oxygenated volatile organic compounds fluxes from an alfalfa field before and after cutting. <i>Journal of Geophysical Research</i> , 2002, 107, ACH 6-1.	3.3	103

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109	Isoprene emission capacity for US tree species. <i>Atmospheric Environment</i> , 2001, 35, 3341-3352.	1.9	101
110	First direct measurements of formaldehyde flux via eddy covariance: implications for missing in-canopy formaldehyde sources. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 10565-10578.	1.9	101
111	Leaf, branch, stand and landscape scale measurements of volatile organic compound fluxes from U.S. woodlands. <i>Tree Physiology</i> , 1996, 16, 17-24.	1.4	99
112	Biogenic volatile organic compound emissions from a lowland tropical wet forest in Costa Rica. <i>Atmospheric Environment</i> , 2002, 36, 3793-3802.	1.9	99
113	Net ecosystem fluxes of isoprene over tropical South America inferred from Global Ozone Monitoring Experiment (GOME) observations of HCHO columns. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	99
114	Effect of isoprene emissions from major forests on ozone formation in the city of Shanghai, China. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 10449-10459.	1.9	98
115	Variation in potential for isoprene emissions among Neotropical forest sites. <i>Global Change Biology</i> , 2004, 10, 630-650.	4.2	96
116	Measurement of biogenic sulfur emissions from soils and vegetation: Application of dynamic enclosure methods with Natusch filter and GC/FPD analysis. <i>Journal of Atmospheric Chemistry</i> , 1987, 5, 469-491.	1.4	95
117	A high-resolution emission inventory for eastern China in 2000 and three scenarios for 2020. <i>Atmospheric Environment</i> , 2005, 39, 5917-5933.	1.9	95
118	Biogenic hydrocarbon emissions from southern African savannas. <i>Journal of Geophysical Research</i> , 1996, 101, 25859-25865.	3.3	93
119	Disjunct eddy covariance technique for trace gas flux measurements. <i>Geophysical Research Letters</i> , 2001, 28, 3139-3142.	1.5	93
120	Chemical sensing of plant stress at the ecosystem scale. <i>Biogeosciences</i> , 2008, 5, 1287-1294.	1.3	93
121	Environmental controls over methanol emission from leaves. <i>Biogeosciences</i> , 2007, 4, 1083-1099.	1.3	90
122	Biogenic emission measurement and inventories determination of biogenic emissions in the eastern United States and Texas and comparison with biogenic emission inventories. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	89
123	Patterns in volatile organic compound emissions along a savanna-rainforest gradient in central Africa. <i>Journal of Geophysical Research</i> , 1998, 103, 1443-1454.	3.3	88
124	Submicron particle mass concentrations and sources in the Amazonian wet season (AMAZE-08). <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 3687-3701.	1.9	88
125	Volatile organic compounds from vegetation in southern Yunnan Province, China: Emission rates and some potential regional implications. <i>Atmospheric Environment</i> , 2006, 40, 1759-1773.	1.9	87
126	Approaches for quantifying reactive and low-volatility biogenic organic compound emissions by vegetation enclosure techniques – Part B: Applications. <i>Chemosphere</i> , 2008, 72, 365-380.	4.2	86

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127	SOSA â€“ a new model to simulate the concentrations of organic vapours and sulphuric acid inside the ABL â€“ Part 1: Model description and initial evaluation. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 43-51.	1.9	86
128	Dry Deposition of Ozone Over Land: Processes, Measurement, and Modeling. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000670.	9.0	86
129	Isoprene photochemistry over the Amazon rainforest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6125-6130.	3.3	85
130	Topâ€“down isoprene emissions over tropical South America inferred from SCIAMACHY and OMI formaldehyde columns. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 6849-6868.	1.2	84
131	New particle formation in the Front Range of the Colorado Rocky Mountains. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 1577-1590.	1.9	83
132	Contribution of leaf and needle litter to whole ecosystem BVOC fluxes. <i>Atmospheric Environment</i> , 2012, 59, 302-311.	1.9	83
133	Comparison of different real time VOC measurement techniques in a ponderosa pine forest. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 2893-2906.	1.9	83
134	A biogenic volatile organic compound emission inventory for Hong Kong. <i>Atmospheric Environment</i> , 2009, 43, 6442-6448.	1.9	82
135	Attribution of projected changes in summertime US ozone and PM _{2.5} concentrations to global changes. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 1111-1124.	1.9	82
136	Isoprene suppression of new particle formation in a mixed deciduous forest. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 6013-6027.	1.9	82
137	Photosynthesis-dependent isoprene emission from leaf to planet in a global carbon-chemistry-climate model. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 10243-10269.	1.9	82
138	Volatility and lifetime against OH heterogeneous reaction of ambient isoprene-epoxydiols-derived secondary organic aerosol (IEPOX-SOA). <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 11563-11580.	1.9	82
139	Canopy fluxes of 2-methyl-3-buten-2-ol over a ponderosa pine forest by relaxed eddy accumulation: Field data and model comparison. <i>Journal of Geophysical Research</i> , 1999, 104, 26107-26114.	3.3	81
140	Cloud Activating Properties of Aerosol Observed during CELTIC. <i>Journals of the Atmospheric Sciences</i> , 2007, 64, 441-459.	0.6	81
141	Contributions of primary and secondary biogenic VOC to total OH reactivity during the CABINEX (Community Atmosphere-Biosphere INteractions Experiments)-09 field campaign. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 8613-8623.	1.9	80
142	In-canopy gas-phase chemistry during CABINEX 2009: sensitivity of a 1-D canopy model to vertical mixing and isoprene chemistry. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 8829-8849.	1.9	78
143	Impacts of seasonal and regional variability in biogenic VOC emissions on surface ozone in the Pearl River delta region, China. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 11803-11817.	1.9	78
144	How consistent are top-down hydrocarbon emissions based on formaldehyde observations from GOME-2 and OMI?. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 11861-11884.	1.9	77

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145	Modelling changes in VOC emission in response to climate change in the continental United States. <i>Global Change Biology</i> , 1999, 5, 791-806.	4.2	76
146	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> , 2015, 21, 3657-3674.	4.2	76
147	Effects of Anthropogenic and Biogenic Volatile Organic Compounds on Los Angeles Air Quality. <i>Environmental Science & Technology</i> , 2021, 55, 12191-12201.	4.6	76
148	Measurement and analysis of atmospheric concentrations of isoprene and its reaction products in central Texas. <i>Atmospheric Environment</i> , 2001, 35, 1001-1013.	1.9	75
149	Biogenic VOC emissions from forested Amazonian landscapes. <i>Global Change Biology</i> , 2004, 10, 651-662.	4.2	75
150	The impacts of reactive terpene emissions from plants on air quality in Las Vegas, Nevada. <i>Atmospheric Environment</i> , 2009, 43, 4109-4123.	1.9	75
151	Observation of isoprene hydroxynitrates in the southeastern United States and implications for the fate of NO ₂ . <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 11257-11272.	1.9	75
152	Volatile organic emissions from the distillation and pyrolysis of vegetation. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 81-91.	1.9	74
153	Biogenic volatile organic compound emissions from desert vegetation of the southwestern US. <i>Atmospheric Environment</i> , 2006, 40, 1645-1660.	1.9	73
154	Volatile organic compound emissions from <i>Larrea tridentata</i> (creosotebush). <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 12191-12206.	1.9	73
155	BVOC-aerosol-climate interactions in the global aerosol-climate model ECHAM5.5-HAM2. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 10077-10096.	1.9	73
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