

Louisa Emmons

List of Publications by Year in descending order

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183
papers

20,895
citations

22099

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13338

130
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306
all docs

306
docs citations

306
times ranked

11706
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconciling Observed and Predicted Tropical Rainforest OH Concentrations. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	6
2	The Role of Snow in Controlling Halogen Chemistry and Boundary Layer Oxidation During Arctic Spring: A 1D Modeling Case Study. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	6
3	Evaluating the Impact of Chemical Complexity and Horizontal Resolution on Tropospheric Ozone Over the Conterminous US With a Global Variable Resolution Chemistry Model. Journal of Advances in Modeling Earth Systems, 2022, 14, .	1.3	20
4	Attribution of Stratospheric and Tropospheric Ozone Changes Between 1850 and 2014 in CMIP6 Models. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	5
5	Multi-model intercomparisons of air quality simulations for the KORUS-AQ campaign. Elementa, 2021, 9, .	1.1	41
6	Contributions of World Regions to the Global Tropospheric Ozone Burden Change From 1980 to 2010. Geophysical Research Letters, 2021, 48, .	1.5	22
7	The Koreaâ€‘United States Air Quality (KORUS-AQ) field study. Elementa, 2021, 9, 1-27.	1.1	82
8	Effective radiative forcing from emissions of reactive gases and aerosols â€‘ a multi-model comparison. Atmospheric Chemistry and Physics, 2021, 21, 853-874.	1.9	65
9	Future changes in isoprene-epoxydiol-derived secondary organic aerosol (IEPOX SOA) under the Shared Socioeconomic Pathways: the importance of physicochemical dependency. Atmospheric Chemistry and Physics, 2021, 21, 3395-3425.	1.9	16
10	Tropospheric ozone in CMIP6 simulations. Atmospheric Chemistry and Physics, 2021, 21, 4187-4218.	1.9	89
11	Air pollution trends measured from Terra: CO and AOD over industrial, fire-prone, and background regions. Remote Sensing of Environment, 2021, 256, 112275.	4.6	41
12	The impact of Los Angeles Basin pollution and stratospheric intrusions on the surrounding San Gabriel Mountains as seen by surface measurements, lidar, and numerical models. Atmospheric Chemistry and Physics, 2021, 21, 6129-6153.	1.9	6
13	Development and Evaluation of Chemistryâ€‘Aerosolâ€‘Climate Model CAM5â€‘Chemâ€‘MAM7â€‘MOSAIC: Global Atmospheric Distribution and Radiative Effects of Nitrate Aerosol. Journal of Advances in Modeling Earth Systems, 2021, 13, e2020MS002346.	1.3	17
14	Fate of Pollution Emitted During the 2015 Indonesian Fire Season. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033474.	1.2	3
15	Analysis of secondary organic aerosol simulation bias in the Community Earth System Model (CESM2.1). Atmospheric Chemistry and Physics, 2021, 21, 8003-8021.	1.9	9
16	Assessing sub-grid variability within satellite pixels over urban regions using airborne mapping spectrometer measurements. Atmospheric Measurement Techniques, 2021, 14, 4639-4655.	1.2	6
17	Quantifying Nitrous Acid Formation Mechanisms Using Measured Vertical Profiles During the CalNex 2010 Campaign and 1D Column Modeling. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034689.	1.2	10
18	Radiative Forcing of Nitrate Aerosols From 1975 to 2010 as Simulated by MOSAIC Module in CESM2â€‘MAM4. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034809.	1.2	14

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19	Evaluation and intercomparison of wildfire smoke forecasts from multiple modeling systems for the 2019 Williams Flats fire. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 14427-14469.	1.9	37
20	Harmonized Emissions Component (HEMCO) 3.0 as a versatile emissions component for atmospheric models: application in the GEOS-Chem, NASA GEOS, WRF-GC, CESM2, NOAA GEFS-Aerosol, and NOAA UFS models. <i>Geoscientific Model Development</i> , 2021, 14, 5487-5506.	1.3	23
21	Chemical Tomography in a Fresh Wildland Fire Plume: A Large Eddy Simulation (LES) Study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035203.	1.2	16
22	Heterogeneity and chemical reactivity of the remote troposphere defined by aircraft measurements. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 13729-13746.	1.9	4
23	Large contribution of biomass burning emissions to ozone throughout the global remote troposphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	51
24	Global Atmospheric Budget of Acetone: Air-Sea Exchange and the Contribution to Hydroxyl Radicals. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032553.	1.2	17
25	The Community Earth System Model Version 2 (CESM2). <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001916.	1.3	935
26	Understanding and improving model representation of aerosol optical properties for a Chinese haze event measured during KORUS-AQ. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 6455-6478.	1.9	18
27	Assessing Measurements of Pollution in the Troposphere (MOPITT) carbon monoxide retrievals over urban versus non-urban regions. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 1337-1356.	1.2	16
28	The Chemistry Mechanism in the Community Earth System Model Version 2 (CESM2). <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001882.	1.3	189
29	Comprehensive isoprene and terpene gas-phase chemistry improves simulated surface ozone in the southeastern US. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 3739-3776.	1.9	47
30	The Multi-Scale Infrastructure for Chemistry and Aerosols (MUSICA). <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E1743-E1760.	1.7	21
31	Characterization, sources and reactivity of volatile organic compounds (VOCs) in Seoul and surrounding regions during KORUS-AQ. <i>Elementa</i> , 2020, 8, .	1.1	44
32	Trends in global tropospheric hydroxyl radical and methane lifetime since 1850 from AerChemMIP. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 12905-12920.	1.9	55
33	Historical and future changes in air pollutants from CMIP6 models. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 14547-14579.	1.9	105
34	Correcting model biases of CO in East Asia: impact on oxidant distributions during KORUS-AQ. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 14617-14647.	1.9	34
35	Climate and air quality impacts due to mitigation of non-methane near-term climate forcers. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 9641-9663.	1.9	30
36	A simplified parameterization of isoprene-epoxydiol-derived secondary organic aerosol (IEPOX-SOA) for global chemistry and climate models: a case study with GEOS-Chem v11-02-rc. <i>Geoscientific Model Development</i> , 2019, 12, 2983-3000.	1.3	22

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37	Ocean Biogeochemistry Control on the Marine Emissions of Brominated Very Short-Lived Ozone-Depleting Substances: A Machine-Learning Approach. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 12319-12339.	1.2	17
38	The Whole Atmosphere Community Climate Model Version 6 (WACCM6). <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 12380-12403.	1.2	261
39	Source Contributions to Carbon Monoxide Concentrations During KORUS-AQ Based on CAM-Chem Model Applications. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 2796-2822.	1.2	21
40	Atmospheric Acetaldehyde: Importance of Air-Sea Exchange and a Missing Source in the Remote Troposphere. <i>Geophysical Research Letters</i> , 2019, 46, 5601-5613.	1.5	41
41	Climate Forcing and Trends of Organic Aerosols in the Community Earth System Model (CESM2). <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 4323-4351.	1.3	87
42	Balance of Emission and Dynamical Controls on Ozone During the Korea-United States Air Quality Campaign From Multiconstituent Satellite Data Assimilation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 387-413.	1.2	51
43	Evaluating simplified chemical mechanisms within present-day simulations of the Community Earth System Model version 1.2 with CAM4 (CESM1.2 CAM-chem): MOZART-4 vs. Reduced Hydrocarbon vs. Super-Fast chemistry. <i>Geoscientific Model Development</i> , 2018, 11, 4155-4174.	1.3	9
44	Long-range transport impacts on surface aerosol concentrations and the contributions to haze events in China: an HTAP2 multi-model study. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 15581-15600.	1.9	12
45	The impact of future emission policies on tropospheric ozone using a parameterised approach. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8953-8978.	1.9	47
46	Simulated Global Climate Response to Tropospheric Ozone-Induced Changes in Plant Transpiration. <i>Geophysical Research Letters</i> , 2018, 45, 13070-13079.	1.5	20
47	Maximizing ozone signals among chemical, meteorological, and climatological variability. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8373-8388.	1.9	7
48	Links Between Carbon Monoxide and Climate Indices for the Southern Hemisphere and Tropical Fire Regions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 9786-9800.	1.2	15
49	The effects of intercontinental emission sources on European air pollution levels. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 13655-13672.	1.9	34
50	Source contributions to sulfur and nitrogen deposition – an HTAP II multi-model study on hemispheric transport. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 12223-12240.	1.9	21
51	Multi-model study of HTAP-All on sulfur and nitrogen deposition. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 6847-6866.	1.9	49
52	HTAP2 multi-model estimates of premature human mortality due to intercontinental transport of air pollution and emission sectors. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10497-10520.	1.9	54
53	Using an Inverse Model to Reconcile Differences in Simulated and Observed Global Ethane Concentrations and Trends Between 2008 and 2014. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 11,262.	1.2	14
54	Preface to a Special Issue – Megacity Air Pollution Studies (MAPS) – Aerosol and Air Quality Research, 2018, 18, I-IV.	0.9	6

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55	Quantifying the causes of differences in tropospheric OH within global models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 1983-2007.	1.2	27
56	Chemical Feedback From Decreasing Carbon Monoxide Emissions. <i>Geophysical Research Letters</i> , 2017, 44, 9985-9995.	1.5	49
57	Quantifying black carbon deposition over the Greenland ice sheet from forest fires in Canada. <i>Geophysical Research Letters</i> , 2017, 44, 7965-7974.	1.5	41
58	Characterization of carbon monoxide, methane and nonmethane hydrocarbons in emerging cities of Saudi Arabia and Pakistan and in Singapore. <i>Journal of Atmospheric Chemistry</i> , 2017, 74, 87-113.	1.4	18
59	Impact of intercontinental pollution transport on North American ozone air pollution: an HTAP phase 2 multi-model study. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 5721-5750.	1.9	51
60	Decoupling peroxyacetyl nitrate from ozone in Chinese outflows observed at Gosan Climate Observatory. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 10619-10631.	1.9	15
61	Representation of the Community Earth System Model (CESM1) CAM4-chem within the Chemistry-Climate Model Initiative (CCMI). <i>Geoscientific Model Development</i> , 2016, 9, 1853-1890.	1.3	122
62	Toward a chemical reanalysis in a coupled chemistry-climate model: An evaluation of MOPITT CO assimilation and its impact on tropospheric composition. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 7310-7343.	1.2	37
63	An observationally constrained evaluation of the oxidative capacity in the tropical western Pacific troposphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 7461-7488.	1.2	18
64	Global and regional radiative forcing from 20% reductions in BC, OC and SO ₂ an HTAP2 multi-model study. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 13579-13599.	1.9	42
65	Ozone variability in the troposphere and the stratosphere from the first 6 years of IASI observations (2008-2013). <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 5721-5743.	1.9	25
66	Interpreting space-based trends in carbon monoxide with multiple models. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 7285-7294.	1.9	31
67	Evaluating ethane and methane emissions associated with the development of oil and natural gas extraction in North America. <i>Environmental Research Letters</i> , 2016, 11, 044010.	2.2	82
68	Reversal of global atmospheric ethane and propane trends largely due to US oil and natural gas production. <i>Nature Geoscience</i> , 2016, 9, 490-495.	5.4	149
69	Variation of atmospheric CO, $\delta^{13}C$, and $\delta^{18}O$ at high northern latitude during 2004-2009: Observations and model simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 11,024.	1.2	3
70	Multi-model simulation of CO and HCHO in the Southern Hemisphere: comparison with observations and impact of biogenic emissions. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 7217-7245.	1.9	31
71	Identifying fire plumes in the Arctic with tropospheric FTIR measurements and transport models. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 2227-2246.	1.9	28
72	How emissions, climate, and land use change will impact mid-century air quality over the United States: a focus on effects at national parks. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 2805-2823.	1.9	105

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73	Multi-model study of chemical and physical controls on transport of anthropogenic and biomass burning pollution to the Arctic. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 3575-3603.	1.9	83
74	Biomass burning influence on high-latitude tropospheric ozone and reactive nitrogen in summer 2008: a multi-model analysis based on POLMIP simulations. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 6047-6068.	1.9	43
75	The POLARCAT Model Intercomparison Project (POLMIP): overview and evaluation with observations. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 6721-6744.	1.9	62
76	Limited effect of anthropogenic nitrogen oxides on secondary organic aerosol formation. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 13487-13506.	1.9	17
77	Seasonal changes in the tropospheric carbon monoxide profile over the remote Southern Hemisphere evaluated using multi-model simulations and aircraft observations. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 3217-3239.	1.9	14
78	Assessing the impacts of assimilating IASI and MOPITT CO retrievals using CESM-CAM-chem and DART. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 10,501.	1.2	21
79	Description and evaluation of tropospheric chemistry and aerosols in the Community Earth System Model (CESM1.2). <i>Geoscientific Model Development</i> , 2015, 8, 1395-1426.	1.3	159
80	CESM/CAM5 improvement and application: comparison and evaluation of updated CB05_GE and MOZART-4 gas-phase mechanisms and associated impacts on global air quality and climate. <i>Geoscientific Model Development</i> , 2015, 8, 3999-4025.	1.3	11
81	Joint Application of Concentration and $\delta^{18}O$ to Investigate the Global Atmospheric CO Budget. <i>Atmosphere</i> , 2015, 6, 547-578.	1.0	11
82	Influence of the choice of gas-phase mechanism on predictions of key gaseous pollutants during the AQMEII phase-2 intercomparison. <i>Atmospheric Environment</i> , 2015, 115, 553-568.	1.9	92
83	The MOPITT Version 6 product: algorithm enhancements and validation. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 3623-3632.	1.2	92
84	Effects of trans-Eurasian transport of air pollutants on surface ozone concentrations over Western China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 12,338.	1.2	31
85	Retrieval algorithm development and product validation for TERRA/MOPITT. , 2014, , .		0
86	Comparison of upper tropospheric carbon monoxide from MOPITT, ACE-FTS, and HIPPO-QCLS. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 14,144.	1.2	9
87	Modeling regional aerosol and aerosol precursor variability over California and its sensitivity to emissions and long-range transport during the 2010 CalNex and CARES campaigns. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10013-10060.	1.9	62
88	Air quality simulations of wildfires in the Pacific Northwest evaluated with surface and satellite observations during the summers of 2007 and 2008. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 12533-12551.	1.9	29
89	Effect of different emission inventories on modeled ozone and carbon monoxide in Southeast Asia. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 12983-13012.	1.9	53
90	Mapping Asian anthropogenic emissions of non-methane volatile organic compounds to multiple chemical mechanisms. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 5617-5638.	1.9	292

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91	13 years of MOPITT operations: lessons from MOPITT retrieval algorithm development. <i>Annals of Geophysics</i> , 2014, , .	0.5	18
92	Large interannual variations in nonmethane volatile organic compound emissions based on measurements of carbon monoxide. <i>Geophysical Research Letters</i> , 2013, 40, 221-226.	1.5	7
93	Validation of MOPITT Version 5 thermalâ€infrared, nearâ€infrared, and multispectral carbon monoxide profile retrievals for 2000â€2011. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 6710-6725.	1.2	119
94	Satellite constraints of nitrogen oxide (NO _x) emissions from India based on OMI observations and WRFâ€Chem simulations. <i>Geophysical Research Letters</i> , 2013, 40, 423-428.	1.5	67
95	Pollution transport from North America to Greenland during summer 2008. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 3825-3848.	1.9	34
96	Hydrocarbons in the upper troposphere and lower stratosphere observed from ACEâ€FTS and comparisons with WACCM. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 1964-1980.	1.2	32
97	Quantifying the contribution of inflow on surface ozone over California during summer 2008. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 12,282.	1.2	23
98	Satellite constraints of Nitrogen Oxide (NOX) emissions from India based on OMI observations and WRF-Chem simulations. <i>Geophysical Research Letters</i> , 2013, 40, 423.	1.5	30
99	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
100	CAM-chem: description and evaluation of interactive atmospheric chemistry in the Community Earth System Model. <i>Geoscientific Model Development</i> , 2012, 5, 369-411.	1.3	633
101	Tagged ozone mechanism for MOZART-4, CAM-chem and other chemical transport models. <i>Geoscientific Model Development</i> , 2012, 5, 1531-1542.	1.3	59
102	The isotopic record of Northern Hemisphere atmospheric carbon monoxide since 1950: implications for the CO budget. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 4365-4377.	1.9	41
103	Regional air-quality forecasting for the Pacific Northwest using MOPITT/TERRA assimilated carbon monoxide MOZART-4 forecasts as a near real-time boundary condition. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 5603-5615.	1.9	18
104	Impact of the deep convection of isoprene and other reactive trace species on radicals and ozone in the upper troposphere. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 1135-1150.	1.9	33
105	Attributing and quantifying carbon monoxide sources affecting the Eastern Mediterranean: a combined satellite, modelling, and synoptic analysis study. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 1067-1082.	1.9	24
106	Technical Note: Ozonesonde climatology between 1995 and 2011: description, evaluation and applications. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 7475-7497.	1.9	101
107	Australia's Black Saturday fires â€ Comparison of techniques for estimating emissions from vegetation fires. <i>Atmospheric Environment</i> , 2012, 60, 262-270.	1.9	23
108	Isocyanic acid in a global chemistry transport model: Tropospheric distribution, budget, and identification of regions with potential health impacts. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	24

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109	Intercontinental transport of anthropogenic sulfur dioxide and other pollutants: An infrared remote sensing case study. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	32
110	The Fire INventory from NCAR (FINN): a high resolution global model to estimate the emissions from open burning. <i>Geoscientific Model Development</i> , 2011, 4, 625-641.	1.3	1,278
111	Characterizing summertime chemical boundary conditions for airmasses entering the US West Coast. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 1769-1790.	1.9	90
112	CO source contribution analysis for California during ARCTAS-CARB. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 7515-7532.	1.9	79
113	A regional scale modeling analysis of aerosol and trace gas distributions over the eastern Pacific during the INTEX-B field campaign. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 2091-2115.	1.9	43
114	Variability of springtime transpacific pollution transport during 2000–2006: the INTEX-B mission in the context of previous years. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 1345-1359.	1.9	22
115	The Arctic Research of the Composition of the Troposphere from Aircraft and Satellites (ARCTAS) mission: design, execution, and first results. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 5191-5212.	1.9	419
116	Impact of Mexico City emissions on regional air quality from MOZART-4 simulations. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 6195-6212.	1.9	82
117	Chemical evolution of volatile organic compounds in the outflow of the Mexico City Metropolitan area. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 2353-2375.	1.9	131
118	Estimated total emissions of trace gases from the Canberra Wildfires of 2003: a new method using satellite measurements of aerosol optical depth & the MOZART chemical transport model. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 5739-5748.	1.9	16
119	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
120	The impact of MOPITT data on tropospheric chemistry. , 2010, , .		0
121	Asian Monsoon Transport of Pollution to the Stratosphere. <i>Science</i> , 2010, 328, 611-613.	6.0	406
122	The MOPITT version 4 CO product: Algorithm enhancements, validation, and long-term stability. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	137
123	The impact of chemical lateral boundary conditions on CMAQ predictions of tropospheric ozone over the continental United States. <i>Environmental Fluid Mechanics</i> , 2009, 9, 43-58.	0.7	72
124	Transport pathways of carbon monoxide in the Asian summer monsoon diagnosed from Model of Ozone and Related Tracers (MOZART). <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	191
125	Observational constraints on recent increases in the atmospheric CH ₄ burden. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	499
126	Measurements of Pollution In The Troposphere (MOPITT) validation through 2006. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 1795-1803.	1.9	124

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127	Biomass burning and urban air pollution over the Central Mexican Plateau. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 4929-4944.	1.9	138
128	Evolution of Asian aerosols during transpacific transport in INTEX-B. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 7257-7287.	1.9	170
129	Carbon monoxide pollution from cities and urban areas observed by the Terra/MOPITT mission. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	68
130	Impact of the summer 2004 Alaska fires on top of the atmosphere clear-sky radiation fluxes. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	30
131	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
132	Impacts of the fall 2007 California wildfires on surface ozone: Integrating local observations with global model simulations. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	121
133	Analysis of the Summer 2004 ozone budget over the United States using Intercontinental Transport Experiment Ozone Sonde Network Study (IONS) observations and Model of Ozone and Related Tracers (MOZART-4) simulations. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	51
134	Chemical isolation in the Asian monsoon anticyclone observed in Atmospheric Chemistry Experiment (ACE-FTS) data. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 757-764.	1.9	178
135	Evaluating model performance of an ensemble-based chemical data assimilation system during INTEX-B field mission. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 5695-5710.	1.9	53
136	Inventory of boreal fire emissions for North America in 2004: Importance of peat burning and pyroconvective injection. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	194
137	Reactive nitrogen distribution and partitioning in the North American troposphere and lowermost stratosphere. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	102
138	Observational constraints on the chemistry of isoprene nitrates over the eastern United States. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	200
139	Improving regional ozone modeling through systematic evaluation of errors using the aircraft observations during the International Consortium for Atmospheric Research on Transport and Transformation. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	13
140	Measurements of Pollution in the Troposphere (MOPITT) validation exercises during summer 2004 field campaigns over North America. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	98
141	Satellite-observed pollution from Southern Hemisphere biomass burning. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	259
142	Ozone pollution from future ship traffic in the Arctic northern passages. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	66
143	Southern Hemisphere carbon monoxide interannual variability observed by Terra/Measurement of Pollution in the Troposphere (MOPITT). <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	78
144	Multimodel simulations of carbon monoxide: Comparison with observations and projected near-future changes. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	254

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145	Ozone production from the 2004 North American boreal fires. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	114
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