

Louisa Emmons

List of Publications by Year in descending order

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137
papers

11,298
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35280

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105
g-index

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docs citations

352
times ranked

10738
citing authors

#	ARTICLE	IF	CITATIONS
1	Advantages of assimilating multispectral satellite retrievals of atmospheric composition: a demonstration using MOPITT carbon monoxide products. <i>Atmospheric Measurement Techniques</i> , 2024, 17, 1941-1963.	2.8	0
2	Large transboundary health impact of Arctic wildfire smoke. <i>Communications Earth & Environment</i> , 2024, 5, .	7.1	3
3	Intercomparison of GEOS-Chem and CAM-chem tropospheric oxidant chemistry within the Community Earth System Model version 2 (CESM2). <i>Atmospheric Chemistry and Physics</i> , 2024, 24, 8607-8624.	4.4	1
4	Quantifying the diurnal variation in atmospheric NO ₂ from Geostationary Environment Monitoring Spectrometer (GEMS) observations. <i>Atmospheric Chemistry and Physics</i> , 2024, 24, 8943-8961.	4.4	1
5	Heterogeneity and chemical reactivity of the remote troposphere defined by aircraft measurements â€œcorrected. <i>Atmospheric Chemistry and Physics</i> , 2023, 23, 99-117.	4.4	3
6	Capturing High-Resolution Air Pollution Features Using the Multi-Scale Infrastructure for Chemistry and Aerosols Version 0 (MUSICAv0) Global Modeling System. <i>Journal of Geophysical Research D: Atmospheres</i> , 2023, 128, .	3.0	3
7	Exploring the Factors Controlling the Long-Term Trend (1988â€“2019) of Surface Organic Aerosols in the Continental United States by Simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2023, 128, .	3.0	5
8	Impact of solar geoengineering on wildfires in the 21st century in CESM2/WACCM6. <i>Atmospheric Chemistry and Physics</i> , 2023, 23, 5467-5486.	4.4	5
9	Comparison of Urban Air Quality Simulations During the KORUSâ€™AQ Campaign With Regionally Refined Versus Global Uniform Grids in the Multi-Scale Infrastructure for Chemistry and Aerosols (MUSICAv0) Version 0. <i>Journal of Advances in Modeling Earth Systems</i> , 2023, 15, .	4.0	9
10	The Fire Inventory from NCAR version 2.5: an updated global fire emissions model for climate and chemistry applications. <i>Geoscientific Model Development</i> , 2023, 16, 3873-3891.	3.8	48
11	A new simplified parameterization of secondary organic aerosol in the Community Earth System Model Version 2 (CESM2; CAM6.3). <i>Geoscientific Model Development</i> , 2023, 16, 3893-3906.	3.8	3
12	Global Scale Inversions from MOPITT CO and MODIS AOD. <i>Remote Sensing</i> , 2023, 15, 4813.	4.0	6
13	Improving nitrogen cycling in a land surface model (CLM5) to quantify soil N ₂ O, NO, and NH ₃ emissions from enhanced rock weathering with croplands. <i>Geoscientific Model Development</i> , 2023, 16, 5783-5801.	3.8	5
14	Application of the Multi-Scale Infrastructure for Chemistry and Aerosols version 0 (MUSICAv0) for air quality research in Africa. <i>Geoscientific Model Development</i> , 2023, 16, 6001-6028.	3.8	1
15	Modeling the Air Pollution and Aerosol-PBL Interactions Over China Using a Variable-Resolution Global Model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2023, 128, .	3.0	3
16	Reconciling Observed and Predicted Tropical Rainforest OH Concentrations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.0	8
17	The Role of Snow in Controlling Halogen Chemistry and Boundary Layer Oxidation During Arctic Spring: A 1D Modeling Case Study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.0	6
18	Evaluating the Impact of Chemical Complexity and Horizontal Resolution on Tropospheric Ozone Over the Conterminous US With a Global Variable Resolution Chemistry Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	4.0	30

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19	Attribution of Stratospheric and Tropospheric Ozone Changes Between 1850 and 2014 in CMIP6 Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.0	9
20	Effects of Fire Diurnal Variation and Plume Rise on U.S. Air Quality During FIREXâ€œAQ and WEâ€œCAN Based on the Multiâ€œScale Infrastructure for Chemistry and Aerosols (MUSICAVO). <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.0	22
21	Importance of different parameterization changes for the updated dust cycle modeling in the Community Atmosphere Model (version 6.1). <i>Geoscientific Model Development</i> , 2022, 15, 8181-8219.	3.8	11
22	Development and Evaluation of E3SMâ€œMOSAIC: Spatial Distributions and Radiative Effects of Nitrate Aerosol. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	4.0	1
23	Implementation and evaluation of the GEOS-Chem chemistry module version 13.1.2 within the Community Earth System Model v2.1. <i>Geoscientific Model Development</i> , 2022, 15, 8669-8704.	3.8	6
24	Contributions of World Regions to the Global Tropospheric Ozone Burden Change From 1980 to 2010. <i>Geophysical Research Letters</i> , 2021, 48, .	4.2	28
25	Effective radiative forcing from emissions of reactive gases and aerosols â€œ a multi-model comparison. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 853-874.	4.4	75
26	Future changes in isoprene-epoxydiol-derived secondary organic aerosol (IEPOX SOA) under the Shared Socioeconomic Pathways: the importance of physicochemical dependency. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 3395-3425.	4.4	19
27	Tropospheric ozone in CMIP6 simulations. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 4187-4218.	4.4	98
28	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. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 6129-6153.	4.4	8
29	Development and Evaluation of Chemistryâ€œAerosolâ€œClimate Model CAM5â€œChemâ€œMAM7â€œMOSAIC: Global Atmospheric Distribution and Radiative Effects of Nitrate Aerosol. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, .	4.0	21
30	Fate of Pollution Emitted During the 2015 Indonesian Fire Season. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, .	3.0	6
31	Analysis of secondary organic aerosol simulation bias in the Community Earth System Model (CESM2.1). <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 8003-8021.	4.4	12
32	Assessing sub-grid variability within satellite pixels over urban regions using airborne mapping spectrometer measurements. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 4639-4655.	2.8	6
33	Quantifying Nitrous Acid Formation Mechanisms Using Measured Vertical Profiles During the CalNex 2010 Campaign and 1D Column Modeling. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, .	3.0	15
34	Radiative Forcing of Nitrate Aerosols From 1975 to 2010 as Simulated by MOSAIC Module in CESM2â€œMAM4. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, .	3.0	15
35	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.	4.4	38
36	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.	3.8	36

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37	Chemical Tomography in a Fresh Wildland Fire Plume: A Large Eddy Simulation (LES) Study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, .	3.0	20
38	Heterogeneity and chemical reactivity of the remote troposphere defined by aircraft measurements. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 13729-13746.	4.4	2
39	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, .	7.7	63
40	Global Atmospheric Budget of Acetone: Air–Sea Exchange and the Contribution to Hydroxyl Radicals. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, .	3.0	22
41	The Community Earth System Model Version 2 (CESM2). <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, .	4.0	1,207
42	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.	4.4	19
43	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.	2.8	15
44	The Chemistry Mechanism in the Community Earth System Model Version 2 (CESM2). <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, .	4.0	230
45	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.	4.4	46
46	Trends in global tropospheric hydroxyl radical and methane lifetime since 1850 from AerChemMIP. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 12905-12920.	4.4	70
47	Historical and future changes in air pollutants from CMIP6 models. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 14547-14579.	4.4	129
48	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.	4.4	41
49	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.	4.4	36
50	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.	3.8	24
51	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.	3.0	18
52	The Whole Atmosphere Community Climate Model Version 6 (WACCM6). <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 12380-12403.	3.0	313
53	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.	3.0	23
54	Atmospheric Acetaldehyde: Importance of Air–Sea Exchange and a Missing Source in the Remote Troposphere. <i>Geophysical Research Letters</i> , 2019, 46, 5601-5613.	4.2	38

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55	Climate Forcing and Trends of Organic Aerosols in the Community Earth System Model (CESM2). Journal of Advances in Modeling Earth Systems, 2019, 11, 4323-4351.	4.0	99
56	Balance of Emission and Dynamical Controls on Ozone During the Korea-United States Air Quality Campaign From Multiconstituent Satellite Data Assimilation. Journal of Geophysical Research D: Atmospheres, 2019, 124, 387-413.	3.0	50
57	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. Geoscientific Model Development, 2018, 11, 4155-4174.	3.8	11
58	Long-range transport impacts on surface aerosol concentrations and the contributions to haze events in China: an HTAP2 multi-model study. Atmospheric Chemistry and Physics, 2018, 18, 15581-15600.	4.4	15
59	The impact of future emission policies on tropospheric ozone using a parameterised approach. Atmospheric Chemistry and Physics, 2018, 18, 8953-8978.	4.4	49
60	Simulated Global Climate Response to Tropospheric Ozone-Induced Changes in Plant Transpiration. Geophysical Research Letters, 2018, 45, 13070-13079.	4.2	23
61	Maximizing ozone signals among chemical, meteorological, and climatological variability. Atmospheric Chemistry and Physics, 2018, 18, 8373-8388.	4.4	8
62	Links Between Carbon Monoxide and Climate Indices for the Southern Hemisphere and Tropical Fire Regions. Journal of Geophysical Research D: Atmospheres, 2018, 123, 9786-9800.	3.0	15
63	The effects of intercontinental emission sources on European air pollution levels. Atmospheric Chemistry and Physics, 2018, 18, 13655-13672.	4.4	33
64	Source contributions to sulfur and nitrogen deposition – an HTAP II multi-model study on hemispheric transport. Atmospheric Chemistry and Physics, 2018, 18, 12223-12240.	4.4	22
65	Multi-model study of HTAP II on sulfur and nitrogen deposition. Atmospheric Chemistry and Physics, 2018, 18, 6847-6866.	4.4	48
66	HTAP2 multi-model estimates of premature human mortality due to intercontinental transport of air pollution and emission sectors. Atmospheric Chemistry and Physics, 2018, 18, 10497-10520.	4.4	56
67	Using an Inverse Model to Reconcile Differences in Simulated and Observed Global Ethane Concentrations and Trends Between 2008 and 2014. Journal of Geophysical Research D: Atmospheres, 2018, 123, .	3.0	18
68	Preface to a Special Issue – Megacity Air Pollution Studies (MAPS). Aerosol and Air Quality Research, 2018, 18, IV.	2.2	7
69	Quantifying the causes of differences in tropospheric OH within global models. Journal of Geophysical Research D: Atmospheres, 2017, 122, 1983-2007.	3.0	30
70	Chemical Feedback From Decreasing Carbon Monoxide Emissions. Geophysical Research Letters, 2017, 44, 9985-9995.	4.2	55
71	Quantifying black carbon deposition over the Greenland ice sheet from forest fires in Canada. Geophysical Research Letters, 2017, 44, 7965-7974.	4.2	55
72	Impact of intercontinental pollution transport on North American ozone air pollution: an HTAP phase 2 multi-model study. Atmospheric Chemistry and Physics, 2017, 17, 5721-5750.	4.4	44

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73	Decoupling peroxyacetyl nitrate from ozone in Chinese outflows observed at Gosan Climate Observatory. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 10619-10631.	4.4	17
74	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.	3.8	131
75	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.	4.4	36
76	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.	4.4	26
77	Interpreting space-based trends in carbon monoxide with multiple models. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 7285-7294.	4.4	27
78	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.	5.0	90
79	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.	9.2	153
80	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.	4.4	30
81	Identifying fire plumes in the Arctic with tropospheric FTIR measurements and transport models. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 2227-2246.	4.4	28
82	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.	4.4	94
83	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.	4.4	73
84	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.	4.4	38
85	The POLARCAT Model Intercomparison Project (POLMIP): overview and evaluation with observations. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 6721-6744.	4.4	54
86	Limited effect of anthropogenic nitrogen oxides on secondary organic aerosol formation. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 13487-13506.	4.4	17
87	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.	4.4	14
88	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.	3.8	154
89	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.	3.8	12
90	Joint Application of Concentration and $\delta^{18}O$ to Investigate the Global Atmospheric CO Budget. <i>Atmosphere</i> , 2015, 6, 547-578.	2.2	13

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91	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.	3.8	86
92	The MOPITT Version 6 product: algorithm enhancements and validation. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 3623-3632.	2.8	79
93	Retrieval algorithm development and product validation for TERRA/MOPITT. <i>Proceedings of SPIE</i> , 2014, 9218, 92180P.	0.0	0
94	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.	4.4	49
95	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.	4.4	27
96	Effect of different emission inventories on modeled ozone and carbon monoxide in Southeast Asia. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 12983-13012.	4.4	52
97	Mapping Asian anthropogenic emissions of non-methane volatile organic compounds to multiple chemical mechanisms. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 5617-5638.	4.4	277
98	13 years of MOPITT operations: lessons from MOPITT retrieval algorithm development. <i>Annals of Geophysics</i> , 2014, , .	1.0	16
99	Pollution transport from North America to Greenland during summer 2008. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 3825-3848.	4.4	25
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.	3.8	573
101	Tagged ozone mechanism for MOZART-4, CAM-chem and other chemical transport models. <i>Geoscientific Model Development</i> , 2012, 5, 1531-1542.	3.8	56
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.	4.4	33
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.	4.4	13
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.	4.4	29
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.	4.4	21
106	Technical Note: Ozone-sonde climatology between 1995 and 2011: description, evaluation and applications. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 7475-7497.	4.4	77
107	Australia's Black Saturday fires – Comparison of techniques for estimating emissions from vegetation fires. <i>Atmospheric Environment</i> , 2012, 60, 262-270.	3.8	21
108	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.	4.2	29

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109	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.	3.8	1,172
110	Characterizing summertime chemical boundary conditions for airmasses entering the US West Coast. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 1769-1790.	4.4	66
111	CO source contribution analysis for California during ARCTAS-CARB. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 7515-7532.	4.4	66
112	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.	4.4	33
113	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.	4.4	291
114	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.	4.4	105
115	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.	4.4	14
116	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.	3.8	1,353
117	The impact of MOPITT data on tropospheric chemistry. , 2010, , 840-843.		0
118	Measurements of Pollution In The Troposphere (MOPITT) validation through 2006. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 1795-1803.	4.4	91
119	Biomass burning and urban air pollution over the Central Mexican Plateau. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 4929-4944.	4.4	97
120	Evolution of Asian aerosols during transpacific transport in INTEX-B. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 7257-7287.	4.4	119
121	Carbon monoxide pollution from cities and urban areas observed by the Terra/MOPITT mission. <i>Geophysical Research Letters</i> , 2008, 35, .	4.2	57
122	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.	4.4	131
123	The impact of chemical lateral boundary conditions on CMAQ predictions of tropospheric ozone over the continental United States. <i>Environmental Fluid Mechanics</i> , 2008, 9, 43-58.	1.7	60
124	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.	4.4	41
125	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, .	3.9	10
126	Ozone pollution from future ship traffic in the Arctic northern passages. <i>Geophysical Research Letters</i> , 2006, 33, .	4.2	51

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127	Data assimilation of carbon monoxide in the troposphere. , 2006, , .		0
128	Monthly CO surface sources inventory based on the 2000-2001 MOPITT satellite data. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.2	139
129	Effect of sulfate aerosol on tropospheric NO _x and ozone budgets: Model simulations and TOPSE evidence. Journal of Geophysical Research, 2003, 108, .	3.9	62
130	Transport and Chemical Evolution over the Pacific (TRACE-P) aircraft mission: Design, execution, and first results. Journal of Geophysical Research, 2003, 108, .	3.9	445
131	Effects of aerosols on tropospheric oxidants: A global model study. Journal of Geophysical Research, 2001, 106, 22931-22964.	3.9	149
132	Effects of lightning on reactive nitrogen and nitrogen reservoir species in the troposphere. Journal of Geophysical Research, 2001, 106, 3167-3178.	3.9	56
133	Title is missing!. Journal of Atmospheric Chemistry, 2001, 38, 277-294.	1.6	42
134	Procedure for computer-controlled milling of accurate surfaces of revolution for millimeter and far-infrared mirrors. Applied Optics, 1991, 30, 3163.	2.2	0
135	Measurement of atmospheric opacity at 278 GHz at McMurdo Station, Antarctica in austral spring seasons, 1986 and 1987. Journal of Infrared, Millimeter and Terahertz Waves, 1990, 11, 463-467.	0.7	2
136	Observation of a strong inverse temperature dependence for the opacity of atmospheric water vapor in the MM continuum near 280 GHz. Journal of Infrared, Millimeter and Terahertz Waves, 1990, 11, 469-488.	0.7	8
137	The International Global Atmospheric Chemistry project comments on the revised WHO air quality guidelines. Environmental Research Letters, 0, , .	5.0	0