

# Louisa K Emmons

## List of Publications by Year in descending order

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283  
papers

23,812  
citations

15497

65  
h-index

11245

138  
g-index

456  
all docs

456  
docs citations

456  
times ranked

18337  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.7	2,709
2	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.	3.7	1,632
3	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.	3.7	1,335
4	The Community Earth System Model Version 2 (CESM2). <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001916.	3.7	1,143
5	A global simulation of tropospheric ozone and related tracers: Description and evaluation of MOZART, version 2. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	866
6	CAM-chem: description and evaluation of interactive atmospheric chemistry in the Community Earth System Model. <i>Geoscientific Model Development</i> , 2012, 5, 369-411.	3.7	658
7	Transport and Chemical Evolution over the Pacific (TRACE-P) aircraft mission: Design, execution, and first results. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	515
8	Observational constraints on recent increases in the atmospheric CH <sub>4</sub> burden. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	506
9	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.	5.0	424
10	Operational carbon monoxide retrieval algorithm and selected results for the MOPITT instrument. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	389
11	The Whole Atmosphere Community Climate Model Version 6 (WACCM6). <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 12380-12403.	3.3	311
12	Mapping Asian anthropogenic emissions of non-methane volatile organic compounds to multiple chemical mechanisms. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 5617-5638.	5.0	303
13	MOZART, a global chemical transport model for ozone and related chemical tracers: 2. Model results and evaluation. <i>Journal of Geophysical Research</i> , 1998, 103, 28291-28335.	3.3	266
14	Satellite-observed pollution from Southern Hemisphere biomass burning. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	263
15	Multimodel simulations of carbon monoxide: Comparison with observations and projected near-future changes. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	261
16	Paclitaxel Plus Carboplatin Versus Gemcitabine Plus Paclitaxel in Advanced Nonâ€“Small-Cell Lung Cancer: A Phase III Randomized Trial. <i>Journal of Clinical Oncology</i> , 2002, 20, 3578-3585.	15.4	241
17	The Chemistry Mechanism in the Community Earth System Model Version 2 (CESM2). <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001882.	3.7	222
18	Observations of carbon monoxide and aerosols from the Terra satellite: Northern Hemisphere variability. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	214

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19	Validation of Measurements of Pollution in the Troposphere (MOPITT) CO retrievals with aircraft in situ profiles. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	209
20	Observational constraints on the chemistry of isoprene nitrates over the eastern United States. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	207
21	Asian outflow and trans-Pacific transport of carbon monoxide and ozone pollution: An integrated satellite, aircraft, and model perspective. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	201
22	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	199
23	The sugar phosphotransferase system of <i>Streptomyces coelicolor</i> is regulated by the GntR family regulator DasR and links N-acetylglucosamine metabolism to the control of development. <i>Molecular Microbiology</i> , 2006, 61, 1237-1251.	2.5	195
24	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	194
25	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.	5.0	179
26	Data composites of airborne observations of tropospheric ozone and its precursors. <i>Journal of Geophysical Research</i> , 2000, 105, 20497-20538.	3.3	176
27	Monthly CO surface sources inventory based on the 2000-2001 MOPITT satellite data. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	173
28	Evolution of Asian aerosols during transpacific transport in INTEX-B. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 7257-7287.	5.0	170
29	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.	3.7	169
30	Effects of aerosols on tropospheric oxidants: A global model study. <i>Journal of Geophysical Research</i> , 2001, 106, 22931-22964.	3.3	166
31	Quantifying CO emissions from the 2004 Alaskan wildfires using MOPITT CO data. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	163
32	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.	11.9	160
33	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	156
34	Vertical resolution and information content of CO profiles retrieved by MOPITT. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	139
35	The MOPITT version 4 CO product: Algorithm enhancements, validation, and long-term stability. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	139
36	Biomass burning and urban air pollution over the Central Mexican Plateau. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 4929-4944.	5.0	138

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37	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.	5.0	134
38	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.	3.7	129
39	Impacts of the fall 2007 California wildfires on surface ozone: Integrating local observations with global model simulations. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	125
40	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.	3.3	125
41	Historical and future changes in air pollutants from CMIP6 models. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 14547-14579.	5.0	125
42	Measurements of Pollution In The Troposphere (MOPITT) validation through 2006. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 1795-1803.	5.0	124
43	Tropospheric ozone over the tropical Atlantic: A satellite perspective. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	120
44	Ozone production from the 2004 North American boreal fires. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	116
45	The Combined Effect of Individual and Neighborhood Socioeconomic Status on Cancer Survival Rates. <i>PLoS ONE</i> , 2012, 7, e44325.	2.5	106
46	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.	5.0	106
47	Reactive nitrogen distribution and partitioning in the North American troposphere and lowermost stratosphere. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	105
48	Tropospheric ozone in CMIP6 simulations. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 4187-4218.	5.0	103
49	Technical Note: Ozone-sonde climatology between 1995 and 2011: description, evaluation and applications. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 7475-7497.	5.0	102
50	Hematopoietic potential of the pre-fusion allantois. <i>Developmental Biology</i> , 2007, 301, 478-488.	2.1	101
51	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	100
52	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.	3.7	100
53	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.	4.2	98
54	The Koreaâ€United States Air Quality (KORUS-AQ) field study. <i>Elementa</i> , 2021, 9, 1-27.	3.3	96

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55	The MOPITT Version 6 product: algorithm enhancements and validation. Atmospheric Measurement Techniques, 2014, 7, 3623-3632.	3.1	94
56	Characterizing summertime chemical boundary conditions for airmasses entering the US West Coast. Atmospheric Chemistry and Physics, 2011, 11, 1769-1790.	5.0	92
57	Evaluating ethane and methane emissions associated with the development of oil and natural gas extraction in North America. Environmental Research Letters, 2016, 11, 044010.	5.3	86
58	Multi-model study of chemical and physical controls on transport of anthropogenic and biomass burning pollution to the Arctic. Atmospheric Chemistry and Physics, 2015, 15, 3575-3603.	5.0	85
59	Impact of Mexico City emissions on regional air quality from MOZART-4 simulations. Atmospheric Chemistry and Physics, 2010, 10, 6195-6212.	5.0	82
60	CO source contribution analysis for California during ARCTAS-CARB. Atmospheric Chemistry and Physics, 2011, 11, 7515-7532.	5.0	82
61	Ten new complete mitochondrial genomes of pulmonates (Mollusca: Gastropoda) and their impact on phylogenetic relationships. BMC Evolutionary Biology, 2011, 11, 295.	3.1	80
62	Southern Hemisphere carbon monoxide interannual variability observed by Terra/Measurement of Pollution in the Troposphere (MOPITT). Journal of Geophysical Research, 2006, 111, .	3.3	79
63	Ozone depletion events observed in the high latitude surface layer during the TOPSE aircraft program. Journal of Geophysical Research, 2003, 108, TOP 4-1.	3.3	76
64	Evaluation of CO simulations and the analysis of the CO budget for Europe. Journal of Geophysical Research, 2004, 109, .	3.3	76
65	Heterolytic Cleavage of Dihydrogen by an Iron(II) PNP Pincer Complex via Metal-Ligand Cooperation. Organometallics, 2013, 32, 4114-4121.	2.6	75
66	Cross-cultural invariances in the architecture of shame. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9702-9707.	7.6	75
67	Effective radiative forcing from emissions of reactive gases and aerosols – a multi-model comparison. Atmospheric Chemistry and Physics, 2021, 21, 853-874.	5.0	75
68	The impact of chemical lateral boundary conditions on CMAQ predictions of tropospheric ozone over the continental United States. Environmental Fluid Mechanics, 2009, 9, 43-58.	1.8	73
69	Effect of sulfate aerosol on tropospheric NO <sub>x</sub> and ozone budgets: Model simulations and TOPSE evidence. Journal of Geophysical Research, 2003, 108, .	3.3	72
70	Carbon monoxide pollution from cities and urban areas observed by the Terra/MOPITT mission. Geophysical Research Letters, 2008, 35, .	4.0	70
71	Ozone pollution from future ship traffic in the Arctic northern passages. Geophysical Research Letters, 2006, 33, .	4.0	68
72	Satellite constraints of nitrogen oxide (NO <sub>x</sub> ) emissions from India based on OMI observations and WRF-Chem simulations. Geophysical Research Letters, 2013, 40, 423-428.	4.0	68

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73	Effects of lightning on reactive nitrogen and nitrogen reservoir species in the troposphere. <i>Journal of Geophysical Research</i> , 2001, 106, 3167-3178.	3.3	66
74	Trends in global tropospheric hydroxyl radical and methane lifetime since 1850 from AerChemMIP. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 12905-12920.	5.0	65
75	Tagged ozone mechanism for MOZART-4, CAM-chem and other chemical transport models. <i>Geoscientific Model Development</i> , 2012, 5, 1531-1542.	3.7	64
76	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.	5.0	64
77	The POLARCAT Model Intercomparison Project (POLMIP): overview and evaluation with observations. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 6721-6744.	5.0	64
78	Ozone, aerosol, potential vorticity, and trace gas trends observed at high-latitudes over North America from February to May 2000. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	63
79	Quantifying black carbon deposition over the Greenland ice sheet from forest fires in Canada. <i>Geophysical Research Letters</i> , 2017, 44, 7965-7974.	4.0	61
80	Mutations that affect meiosis in male mice influence the dynamics of the mid-preleptotene and bouquet stages. <i>Experimental Cell Research</i> , 2006, 312, 3768-3781.	2.6	60
81	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.	5.0	59
82	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, .	7.6	58
83	Budget of tropospheric ozone during TOPSE from two chemical transport models. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	57
84	Response of a coupled chemistry-climate model to changes in aerosol emissions: Global impact on the hydrological cycle and the tropospheric burdens of OH, ozone, and NOx. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	57
85	Chemical Feedback From Decreasing Carbon Monoxide Emissions. <i>Geophysical Research Letters</i> , 2017, 44, 9985-9995.	4.0	57
86	New observations of a large concentration of ClO in the springtime lower stratosphere over Antarctica and its implications for ozone-depleting chemistry. <i>Journal of Geophysical Research</i> , 1989, 94, 11423-11428.	3.3	56
87	Effect of different emission inventories on modeled ozone and carbon monoxide in Southeast Asia. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 12983-13012.	5.0	56
88	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.	5.0	54
89	Air pollution trends measured from Terra: CO and AOD over industrial, fire-prone, and background regions. <i>Remote Sensing of Environment</i> , 2021, 256, 112275.	11.1	54
90	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	53

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91	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.	3.3	53
92	The impact of future emission policies on tropospheric ozone using a parameterised approach. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8953-8978.	5.0	52
93	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.	5.0	51
94	Multi-model study of HTAP-All on sulfur and nitrogen deposition. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 6847-6866.	5.0	51
95	NK cells are activated and primed for skin-homing during acute dengue virus infection in humans. <i>Nature Communications</i> , 2019, 10, 3897.	13.2	50
96	Title is missing!. <i>Journal of Atmospheric Chemistry</i> , 2001, 38, 277-294.	3.2	49
97	Functional diversification of centrins and cell morphological complexity. <i>Journal of Cell Science</i> , 2008, 121, 65-74.	2.1	49
98	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.	5.0	49
99	Multi-model intercomparisons of air quality simulations for the KORUS-AQ campaign. <i>Elementa</i> , 2021, 9, .	3.3	49
100	Characterization, sources and reactivity of volatile organic compounds (VOCs) in Seoul and surrounding regions during KORUS-AQ. <i>Elementa</i> , 2020, 8, .	3.3	48
101	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.	5.0	44
102	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.	5.0	43
103	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.	5.0	43
104	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.	3.3	43
105	Experimental and Theoretical Electron Density Analysis of Copper Pyrazine Nitrate Quasi-Low-Dimensional Quantum Magnets. <i>Journal of the American Chemical Society</i> , 2016, 138, 2280-2291.	14.6	43
106	Mapping the H2 resistance effective against <i>Globodera pallida</i> pathotype Pa1 in tetraploid potato. <i>Theoretical and Applied Genetics</i> , 2019, 132, 1283-1294.	3.7	43
107	Global and regional radiative forcing from 20% reductions in BC, OC and SO <sub>2</sub> an HTAP2 multi-model study. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 13579-13599.	5.0	42
108	Atmospheric Acetaldehyde: Importance of Air–Sea Exchange and a Missing Source in the Remote Troposphere. <i>Geophysical Research Letters</i> , 2019, 46, 5601-5613.	4.0	42

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109	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.	5.0	41
110	Identification of CO plumes from MOPITT data: Application to the August 2000 Idaho-Montana forest fires. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	40
111	Evaluation of operational radiances for the Measurements of Pollution in the Troposphere (MOPITT) instrument CO thermal band channels. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	40
112	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.	5.0	39
113	Long-term exposure to decabrominated diphenyl ether impairs CD8 T-cell function in adult mice. <i>Cellular and Molecular Immunology</i> , 2014, 11, 367-376.	9.9	37
114	Explaining Declining Rates of Institutional LTC Use in the Netherlands: A Decomposition Approach. <i>Health Economics (United Kingdom)</i> , 2015, 24, 18-31.	1.8	36
115	Point prevalence of wounds and cost impact in the acute and community setting in Denmark. <i>Journal of Wound Care</i> , 2013, 22, 413-422.	1.2	35
116	Pollution transport from North America to Greenland during summer 2008. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 3825-3848.	5.0	35
117	The effects of intercontinental emission sources on European air pollution levels. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 13655-13672.	5.0	35
118	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.	5.0	35
119	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.	5.0	34
120	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.	4.0	33
121	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.	3.3	33
122	Hydrocarbons in the upper troposphere and lower stratosphere observed from ACE-FTS and comparisons with WACCM. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 1964-1980.	3.3	32
123	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.	5.0	32
124	Interpreting space-based trends in carbon monoxide with multiple models. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 7285-7294.	5.0	32
125	Caterpillar Chewing Vibrations Cause Changes in Plant Hormones and Volatile Emissions in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 810.	3.8	31
126	Application of a bias estimator for the improved assimilation of Measurements of Pollution in the Troposphere (MOPITT) carbon monoxide retrievals. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	30



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127	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
128	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.	5.0	30
129	Synthesis of 2-trifluoromethyl indoles via visible-light induced intramolecular radical cyclization. <i>RSC Advances</i> , 2015, 5, 39625-39629.	3.7	30
130	Evaluation of the general three-loop vacuum Feynman integral. <i>Physical Review D</i> , 2017, 95, .	4.8	30
131	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.	3.7	30
132	Identifying fire plumes in the Arctic with tropospheric FTIR measurements and transport models. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 2227-2246.	5.0	29
133	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.	5.0	29
134	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, .	3.7	29
135	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.	3.7	29
136	GEOGRAPHY: THE STATE OF THE DISCIPLINE IN SOUTH AFRICA (2000-2001). <i>Southern African Geographical Journal</i> , 2003, 85, 81-89.	1.7	28
137	Quantifying the causes of differences in tropospheric OH within global models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 1983-2007.	3.3	28
138	Contributions of World Regions to the Global Tropospheric Ozone Burden Change From 1980 to 2010. <i>Geophysical Research Letters</i> , 2021, 48, .	4.0	28
139	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.	5.0	25
140	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.	3.3	25
141	Australia's Black Saturday fires - Comparison of techniques for estimating emissions from vegetation fires. <i>Atmospheric Environment</i> , 2012, 60, 262-270.	4.2	24
142	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
143	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.	3.3	24
144	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.	3.7	23

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145	PGC-1 $\beta$ regulates autophagy to promote fibroblast activation and tissue fibrosis. <i>Annals of the Rheumatic Diseases</i> , 2020, 79, 1227-1233.	7.6	23
146	Assimilation of the 2000â€“2001 CO MOPITT retrievals with optimized surface emissions. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	22
147	Variability of springtime transpacific pollution transport during 2000â€“2006: the INTEX-B mission in the context of previous years. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 1345-1359.	5.0	22
148	Source Contributions to Carbon Monoxide Concentrations During KORUSâ€“AQ Based on CAMâ€“chem Model Applications. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 2796-2822.	3.3	22
149	Allogeneic hematopoietic stem cells transplantation improves the survival of intermediate-risk acute myeloid leukemia patients aged less than 60 years. <i>Annals of Hematology</i> , 2019, 98, 997-1007.	1.8	22
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