

Teresa Campos

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

3,644
citations

172207

29
h-index

243296

44
g-index

45
all docs

45
docs citations

45
times ranked

4272
citing authors

#	ARTICLE	IF	CITATIONS
1	The Indian Ocean Experiment: Widespread Air Pollution from South and Southeast Asia. <i>Science</i> , 2001, 291, 1031-1036.	6.0	687
2	Emissions from biomass burning in the Yucatan. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 5785-5812.	1.9	433
3	Increasing springtime ozone mixing ratios in the free troposphere over western North America. <i>Nature</i> , 2010, 463, 344-348.	13.7	397
4	The Deep Convective Clouds and Chemistry (DC3) Field Campaign. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, 1281-1309.	1.7	165
5	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
6	Chemical feedbacks weaken the wintertime response of particulate sulfate and nitrate to emissions reductions over the eastern United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8110-8115.	3.3	118
7	Heterogeneous N ₂ O ₅ Uptake During Winter: Aircraft Measurements During the 2015 WINTER Campaign and Critical Evaluation of Current Parameterizations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 4345-4372.	1.2	103
8	Volatile chemical product emissions enhance ozone and modulate urban chemistry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	103
9	Airborne in-situ OH and HO ₂ observations in the cloud-free troposphere and lower stratosphere during SUCCESS. <i>Geophysical Research Letters</i> , 1998, 25, 1701-1704.	1.5	100
10	Quantification of organic aerosol and brown carbon evolution in fresh wildfire plumes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29469-29477.	3.3	100
11	Emission and Evolution of Submicron Organic Aerosol in Smoke from Wildfires in the Western United States. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 1237-1247.	1.2	99
12	Active and widespread halogen chemistry in the tropical and subtropical free troposphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9281-9286.	3.3	91
13	Upper tropospheric ozone production from lightning NO _x impacted convection: Smoke ingestion case study from the DC3 campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 2505-2523.	1.2	88
14	Sources and Secondary Production of Organic Aerosols in the Northeastern United States during WINTER. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 7771-7796.	1.2	71
15	Hazardous Air Pollutants in Fresh and Aged Western US Wildfire Smoke and Implications for Long-Term Exposure. <i>Environmental Science & Technology</i> , 2020, 54, 11838-11847.	4.6	69
16	Convective transport of water vapor into the lower stratosphere observed during double-tropopause events. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 10,941-10,958.	1.2	63
17	Characterization of volatile organic compounds (VOCs) in Asian and north American pollution plumes during INTEX-B: identification of specific Chinese air mass tracers. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 5371-5388.	1.9	59
18	Steady state free radical budgets and ozone photochemistry during TOPSE. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	57

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19	Airborne flux measurements of methane and volatile organic compounds over the Haynesville and Marcellus shale gas production regions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 6271-6289.	1.2	56
20	Emissions of Trace Organic Gases From Western U.S. Wildfires Based on WEâ€CAN Aircraft Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033838.	1.2	54
21	Transport pathways and signatures of mixing in the extratropical tropopause region derived from Lagrangian model simulations. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	52
22	HONO Emissions from Western U.S. Wildfires Provide Dominant Radical Source in Fresh Wildfire Smoke. <i>Environmental Science & Technology</i> , 2020, 54, 5954-5963.	4.6	51
23	Cloud System Evolution in the Trades (CSET): Following the Evolution of Boundary Layer Cloud Systems with the NSFâ€™NCAR GV. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 93-121.	1.7	49
24	Emissions of Reactive Nitrogen From Western U.S. Wildfires During Summer 2018. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD032657.	1.2	41
25	Mercury Emission Ratios from Coal-Fired Power Plants in the Southeastern United States during NOMADSS. <i>Environmental Science & Technology</i> , 2015, 49, 10389-10397.	4.6	36
26	Daytime Oxidized Reactive Nitrogen Partitioning in Western U.S. Wildfire Smoke Plumes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033484.	1.2	36
27	A pervasive role for biomass burning in tropical high ozone/low water structures. <i>Nature Communications</i> , 2016, 7, 10267.	5.8	33
28	ClNO ₂ Yields From Aircraft Measurements During the 2015 WINTER Campaign and Critical Evaluation of the Current Parameterization. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 12,994.	1.2	31
29	Biomass Burning Markers and Residential Burning in the WINTER Aircraft Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 1846-1861.	1.2	30
30	Wet scavenging of soluble gases in DC3 deep convective storms using WRFâ€™Chem simulations and aircraft observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 4233-4257.	1.2	29
31	Convective transport of formaldehyde to the upper troposphere and lower stratosphere and associated scavenging in thunderstorms over the central United States during the 2012â€™DC3 study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 7430-7460.	1.2	28
32	Airborne quantification of upper tropospheric NO _x production from lightning in deep convective storms over the United States Great Plains. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 2002-2028.	1.2	25
33	Widespread Pollution From Secondary Sources of Organic Aerosols During Winter in the Northeastern United States. <i>Geophysical Research Letters</i> , 2019, 46, 2974-2983.	1.5	25
34	Observations of Ice Nucleating Particles in the Free Troposphere From Western US Wildfires. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033752.	1.2	24
35	A complete dynamical ozone budget measured in the tropical marine boundary layer during PASE. <i>Journal of Atmospheric Chemistry</i> , 2011, 68, 55-70.	1.4	21
36	Investigating Carbonaceous Aerosol and Its Absorption Properties From Fires in the Western United States (WEâ€™CAN) and Southern Africa (ORACLES and CLARIFY). <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034984.	1.2	21

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37	Observations and Modeling of NO _x Photochemistry and Fate in Fresh Wildfire Plumes. ACS Earth and Space Chemistry, 2021, 5, 2652-2667.	1.2	17
38	Empirical Insights Into the Fate of Ammonia in Western U.S. Wildfire Smoke Plumes. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033730.	1.2	12
39	Evaluation of deep convective transport in storms from different convective regimes during the DC3 field campaign using WRF-Chem with lightning data assimilation. Journal of Geophysical Research D: Atmospheres, 2017, 122, 7140-7163.	1.2	9
40	Spatially Resolved Photochemistry Impacts Emissions Estimates in Fresh Wildfire Plumes. Geophysical Research Letters, 2021, 48, e2021GL095443.	1.5	7
41	The CU Airborne Solar Occultation Flux Instrument: Performance Evaluation during BB-FLUX. ACS Earth and Space Chemistry, 2022, 6, 582-596.	1.2	7
42	Carbon Monoxide in Optically Thick Wildfire Smoke: Evaluating TROPOMI Using CU Airborne SOF Column Observations. ACS Earth and Space Chemistry, 2022, 6, 1799-1812.	1.2	6
43	Wintertime Transport of Reactive Trace Gases From East Asia Into the Deep Tropics. Journal of Geophysical Research D: Atmospheres, 2018, 123, 12,877.	1.2	5
44	Wildfire-driven changes in the abundance of gas-phase pollutants in the city of Boise, ID during summer 2018. Atmospheric Pollution Research, 2022, 13, 101269.	1.8	5