Melody A Avery

List of Publications by Year
in descending order

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Version: 2024-02-01

29	1,335	361413	477307
papers	citations	20 h-index	29 g-index

38	38	38	2107
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Estimates of Regional Source Contributions to the Asian Tropopause Aerosol Layer Using a Chemical Transport Model. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031506.	3.3	18
2	CALIOP V4 cloud thermodynamic phase assignment and the impact of near-nadir viewing angles. Atmospheric Measurement Techniques, 2020, 13, 4539-4563.	3.1	24
3	Application of high-dimensional fuzzy <i>k</i>-means cluster analysis to CALIOP/CALIPSO version 4.1 cloudâ€“aerosol discrimination. Atmospheric Measurement Techniques, 2019, 12, 2261-2285.	3.1	12
4	Water Vapor, Clouds, and Saturation in the Tropical Tropopause Layer. Journal of Geophysical Research D: Atmospheres, 2019, 124, 3984-4003.	3.3	34
5	Discriminating between clouds and aerosols in the CALIOP version 4.1 data products. Atmospheric Measurement Techniques, 2019, 12, 703-734.	3.1	80
6	CALIPSO lidar calibration at 1064â€‰nm: version 4 algorithm. Atmospheric Measurement Techniques, 2019, 12, 51-82.	3.1	42
7	Water production activity of nine long-period comets from SOHO/SWAN observations of hydrogen Lyman-alpha: 2013â€“2016. Icarus, 2018, 300, 33-46.	2.5	17
8	CALIPSO lidar calibration at 532â€‰nm: version 4 daytime algorithm. Atmospheric Measurement Techniques, 2018, 11, 6309-6326.	3.1	46
9	Convective Hydration of the Upper Troposphere and Lower Stratosphere. Journal of Geophysical Research D: Atmospheres, 2018, 123, 4583-4593.	3.3	39
10	CALIPSO lidar calibration at 532â€‰nm: versionÂ4 nighttime algorithm. Atmospheric Measurement Techniques, 2018, 11, 1459-1479.	3.1	70
11	Microphysical Properties of Tropical Tropopause Layer Cirrus. Journal of Geophysical Research D: Atmospheres, 2018, 123, 6053-6069.	3.3	35
12	Large anomalies in lower stratospheric water vapour and ice during the 2015â€“2016 El NiÃ±o. Nature Geoscience, 2017, 10, 405-409.	12.9	69
13	Ice water contentâ€extinction relationships and effective diameter for TTL cirrus derived from in situ measurements during ATTREX 2014. Journal of Geophysical Research D: Atmospheres, 2017, 122, 4494-4507.	3.3	23
14	On the Susceptibility of Cold Tropical Cirrus to Ice Nuclei Abundance. Journals of the Atmospheric Sciences, 2016, 73, 2445-2464.	1.7	28
15	The impact of gravity waves and cloud nucleation threshold on stratospheric water and tropical tropospheric cloud fraction. Earth and Space Science, 2016, 3, 295-305.	2.6	17
16	Relationships between Ice Water Content and Volume Extinction Coefficient from In Situ Observations for Temperatures from 0Â° to â^'86Â°C: Implications for Spaceborne Lidar Retrievals. Journal of Applied Meteorology and Climatology, 2014, 53, 479-505.	1.5	61
17	Cloud formation, convection, and stratospheric dehydration. Earth and Space Science, 2014, 1, 1-17.	2.6	35
18	On the export of reactive nitrogen from Asia: NO_x partitioning and effects on ozone. Atmospheric Chemistry and Physics, 2013, 13, 4617-4630.	4.9	17

#	Article	IF	Citations
19	Cloud ice water content retrieved from the CALIOP spaceâ€based lidar. Geophysical Research Letters, 2012, 39, .	4.0	36
20	A regional scale modeling analysis of aerosol and trace gas distributions over the eastern Pacific during the INTEX-B field campaign. Atmospheric Chemistry and Physics, 2010, 10, 2091-2115.	4.9	43
21	Impact of mineral dust on nitrate, sulfate, and ozone in transpacific Asian pollution plumes. Atmospheric Chemistry and Physics, 2010, 10, 3999-4012.	4.9	214
22	Impact of Mexico City emissions on regional air quality from MOZART-4 simulations. Atmospheric Chemistry and Physics, 2010, 10, 6195-6212.	4.9	82
23	Trans-Pacific transport of reactive nitrogen and ozone to Canada during spring. Atmospheric Chemistry and Physics, 2010, 10, 8353-8372.	4.9	48
24	A comprehensive evaluation of seasonal simulations of ozone in the northeastern US during summers of 2001â€“2005. Atmospheric Chemistry and Physics, 2010, 10, 9-27.	4.9	10
25	Factors influencing the large-scale distribution of HgÂ° in the Mexico City area and over the North Pacific. Atmospheric Chemistry and Physics, 2008, 8, 2103-2114.	4.9	47
26	Direct Measurements of the Convective Recycling of the Upper Troposphere. Science, 2007, 315, 816-820.	12.6	114
27	Impact of multiscale dynamical processes and mixing on the chemical composition of the upper troposphere and lower stratosphere during the Intercontinental Chemical Transport Experimentâ€“North America. Journal of Geophysical Research, 2007, 112, .	3.3	18
28	In situ evidence for renitrification in the Arctic lower stratosphere during the polar aura validation experiment (PAVE). Geophysical Research Letters, 2006, 33, .	4.0	20
29	Redistribution of reactive nitrogen in the Arctic lower stratosphere in the 1999/2000 winter. Journal of Geophysical Research, 2002, 107, SOL 17-1.	3.3	14