

Melody A Avery

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,335
citations

361045

20
h-index

476904

29
g-index

38
all docs

38
docs citations

38
times ranked

2107
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of mineral dust on nitrate, sulfate, and ozone in transpacific Asian pollution plumes. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 3999-4012.	1.9	214
2	Direct Measurements of the Convective Recycling of the Upper Troposphere. <i>Science</i> , 2007, 315, 816-820.	6.0	114
3	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
4	Discriminating between clouds and aerosols in the CALIOP version 4.1 data products. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 703-734.	1.2	80
5	CALIPSO lidar calibration at 532 nm: version 4 nighttime algorithm. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 1459-1479.	1.2	70
6	Large anomalies in lower stratospheric water vapour and ice during the 2015–2016 El Niño. <i>Nature Geoscience</i> , 2017, 10, 405-409.	5.4	69
7	Relationships between Ice Water Content and Volume Extinction Coefficient from In Situ Observations for Temperatures from 0° to 86°C: Implications for Spaceborne Lidar Retrievals. <i>Journal of Applied Meteorology and Climatology</i> , 2014, 53, 479-505.	0.6	61
8	Trans-Pacific transport of reactive nitrogen and ozone to Canada during spring. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 8353-8372.	1.9	48
9	Factors influencing the large-scale distribution of Hg ⁰ in the Mexico City area and over the North Pacific. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 2103-2114.	1.9	47
10	CALIPSO lidar calibration at 532 nm: version 4 daytime algorithm. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 6309-6326.	1.2	46
11	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
12	CALIPSO lidar calibration at 1064 nm: version 4 algorithm. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 51-82.	1.2	42
13	Convective Hydration of the Upper Troposphere and Lower Stratosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 4583-4593.	1.2	39
14	Cloud ice water content retrieved from the CALIOP space-based lidar. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	36
15	Cloud formation, convection, and stratospheric dehydration. <i>Earth and Space Science</i> , 2014, 1, 1-17.	1.1	35
16	Microphysical Properties of Tropical Tropopause Layer Cirrus. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 6053-6069.	1.2	35
17	Water Vapor, Clouds, and Saturation in the Tropical Tropopause Layer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 3984-4003.	1.2	34
18	On the Susceptibility of Cold Tropical Cirrus to Ice Nuclei Abundance. <i>Journals of the Atmospheric Sciences</i> , 2016, 73, 2445-2464.	0.6	28

#	ARTICLE	IF	CITATIONS
19	CALIOP V4 cloud thermodynamic phase assignment and the impact of near-nadir viewing angles. Atmospheric Measurement Techniques, 2020, 13, 4539-4563.	1.2	24
20	Ice water contentâ€œextinction 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.	1.2	23
21	In situ evidence for renitrification in the Arctic lower stratosphere during the polar aura validation experiment (PAVE). Geophysical Research Letters, 2006, 33, .	1.5	20
22	Impact of multiscale dynamical processes and mixing on the chemical composition of the upper troposphere and lower stratosphere during the Intercontinental Chemical Transport Experimentâ€œNorth America. Journal of Geophysical Research, 2007, 112, .	3.3	18
23	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.	1.2	18
24	On the export of reactive nitrogen from Asia: NO<sub>x</sub</sub> partitioning and effects on ozone. Atmospheric Chemistry and Physics, 2013, 13, 4617-4630.	1.9	17
25	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.	1.1	17
26	Water production activity of nine long-period comets from SOHO/SWAN observations of hydrogen Lyman-alpha: 2013â€œ2016. Icarus, 2018, 300, 33-46.	1.1	17
27	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
28	Application of high-dimensional fuzzy <i>k</i>-means cluster analysis to CALIOP/CALIPSO version 4.1 cloudâ€œaerosol discrimination. Atmospheric Measurement Techniques, 2019, 12, 2261-2285.	1.2	12
29	A comprehensive evaluation of seasonal simulations of ozone in the northeastern US during summers of 2001â€œ2005. Atmospheric Chemistry and Physics, 2010, 10, 9-27.	1.9	10