Jefferson R Snider

List of Publications by Year
in descending order

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43	2,793	236833	254106
papers	citations	25 h-index	43 g-index

56	56	56	2862
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wildfire Smoke Observations in the Western U.S. from the Airborne Wyoming Cloud Lidar during the BB-FLUX Project. Part I: Data Description and Methodology. Journal of Atmospheric and Oceanic Technology, 2022, , .	0.5	2
2	Wildfire Smoke Observations in the Western United States from the Airborne Wyoming Cloud Lidar during the BB-FLUX Project. Part II: Vertical Structure and Plume Injection Height. Journal of Atmospheric and Oceanic Technology, 2022, 39, 559-572.	0.5	4
3	Sea-spray regulates sulfate cloud droplet activation over oceans. Npj Climate and Atmospheric Science, 2020, 3, .	2.6	32
4	A Transformational Approach to Winter Orographic Weather Modification Research: The SNOWIE Project. Bulletin of the American Meteorological Society, 2019, 100, 71-92.	1.7	49
5	Comparison of aerosol measurement systems during the 2016 airborne ARISTO campaign. Aerosol Science and Technology, 2019, 53, 871-885.	1.5	3
6	Wintertime aerosol measurements during the Chilean Coastal Orographic Precipitation Experiment. Atmospheric Chemistry and Physics, 2019, 19, 12377-12396.	1.9	2
7	Hotplate precipitation gauge calibrations and field measurements. Atmospheric Measurement Techniques, 2018, 11, 441-458.	1.2	6
8	Droplet Concentration and Spectral Broadening in Southeast Pacific Stratocumulus Clouds. Journals of the Atmospheric Sciences, 2017, 74, 719-749.	0.6	11
9	The Chilean Coastal Orographic Precipitation Experiment: Observing the Influence of Microphysical Rain Regimes on Coastal Orographic Precipitation. Journal of Hydrometeorology, 2017, 18, 2723-2743.	0.7	27
10	Sea spray aerosol as a unique source of ice nucleating particles. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5797-5803.	3.3	323
11	Time-dependent freezing rate parcel model. Atmospheric Chemistry and Physics, 2015, 15, 2071-2079.	1.9	15
12	Integrating laboratory and field data to quantify the immersion freezing ice nucleation activity of mineral dust particles. Atmospheric Chemistry and Physics, 2015, 15, 393-409.	1.9	315
13	Ice crystal concentrations in wave clouds: dependencies on temperature, <i>D</i> > 0.5 Î¼m aerosol particle concentration, and duration of cloud processing. Atmospheric Chemistry and Physics, 2015, 15, 6113-6125.	1.9	3
14	Reply to â€œComments on â€˜A Relationship between Reflectivity and Snow Rate for a High-Altitude S-Band Radarâ€™â€• Journal of Applied Meteorology and Climatology, 2013, 52, 730-731.	0.6	1
15	Calibration of the passive cavity aerosol spectrometer probe for airborne determination of the size distribution. Atmospheric Measurement Techniques, 2013, 6, 2349-2358.	1.2	37
16	Single Aircraft Integration of Remote Sensing and In Situ Sampling for the Study of Cloud Microphysics and Dynamics. Bulletin of the American Meteorological Society, 2012, 93, 653-668.	1.7	116
17	A Relationship between Reflectivity and Snow Rate for a High-Altitude S-Band Radar. Journal of Applied Meteorology and Climatology, 2012, 51, 1111-1128.	0.6	23
18	Evaluating WRF-Chem aerosol indirect effects in Southeast Pacific marine stratocumulus during VOCALS-REx. Atmospheric Chemistry and Physics, 2012, 12, 3045-3064.	1.9	77

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19	Precipitation driving of droplet concentration variability in marine low clouds. Journal of Geophysical Research, 2012, 117, .	3.3	75
20	Groundâ€layer snow clouds. Quarterly Journal of the Royal Meteorological Society, 2012, 138, 1507-1525.	1.0	20
21	Modeling chemical and aerosol processes in the transition from closed to open cells during VOCALS-REx. Atmospheric Chemistry and Physics, 2011, 11, 7491-7514.	1.9	80
22	Intercomparison of cloud condensation nuclei and hygroscopic fraction measurements: Coated soot particles investigated during the LACIS Experiment in November (LExNo). Journal of Geophysical Research, 2010, 115, .	3.3	34
23	Soluble mass, hygroscopic growth, and droplet activation of coated soot particles during LACIS Experiment in November (LExNo). Journal of Geophysical Research, 2010, 115, .	3.3	40
24	Examination of laboratoryâ€generated coated soot particles: An overview of the LACIS Experiment in November (LExNo) campaign. Journal of Geophysical Research, 2010, 115, .	3.3	25
25	Large-Eddy Simulations of a Drizzling, Stratocumulus-Topped Marine Boundary Layer. Monthly Weather Review, 2009, 137, 1083-1110.	0.5	208
26	Accumulation mode aerosol, pockets of open cells, and particle nucleation in the remote subtropical Pacific marine boundary layer. Journal of Geophysical Research, 2006, 111, .	3.3	88
27	Supersaturation in the Wyoming CCN Instrument. Journal of Atmospheric and Oceanic Technology, 2006, 23, 1323-1339.	0.5	43
28	Cloud droplet activation of polymerized organic aerosol. Tellus, Series B: Chemical and Physical Meteorology, 2006, 58, 196-205.	0.8	49
29	Evaluation of the aerosol indirect effect in marine stratocumulus clouds: Droplet number, size, liquid water path, and radiative impact. Journal of Geophysical Research, 2005, 110, .	3.3	144
30	Ice-oxyhydrocarbon interactions in the troposphere. Journal of Geophysical Research, 2004, 109, .	3.3	6
31	Aerosol activation in marine stratocumulus clouds: 1. Measurement validation for a closure study. Journal of Geophysical Research, 2003, 108, .	3.3	49
32	Aerosol activation in marine stratocumulus clouds: 2. KÃ¶hler and parcel theory closure studies. Journal of Geophysical Research, 2003, 108, .	3.3	127
33	Evaluating aerosol/cloud/radiation process parameterizations with single-column models and Second Aerosol Characterization Experiment (ACE-2) cloudy column observations. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	47
34	Airborne measurements of aerosol extinction in the lower and middle troposphere over Wyoming, USA. Atmospheric Environment, 2003, 37, 789-802.	1.9	15
35	Dynamics and Chemistry of Marine Stratocumulusâ€”DYCOMS-II. Bulletin of the American Meteorological Society, 2003, 84, 579-594.	1.7	209
36	Cloud condensation nuclei and cloud droplet measurements during ACE-2. Tellus, Series B: Chemical and Physical Meteorology, 2000, 52, 828-842.	0.8	94

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37	Factors influencing the retention of hydrogen peroxide and molecular oxygen in rime ice. Journal of Geophysical Research, 1998, 103, 1405-1415.	3.3	32
38	Airborne hydrogen peroxide measurements in supercooled clouds. Journal of Geophysical Research, 1995, 100, 23039.	3.3	3
39	Sulfur dioxide oxidation in winter orographic clouds. Journal of Geophysical Research, 1994, 99, 18713.	3.3	10
40	Hydrogen peroxide retention in rime ice. Journal of Geophysical Research, 1992, 97, 7569-7578.	3.3	35
41	Biogenic ice nucleation: Could it be metabolically initiated?. Journal of Theoretical Biology, 1986, 119, 37-45.	0.8	8
42	Tropospheric light alcohols, carbonyls, and acetonitrile: Concentrations in the southwestern United States and Henry's Law data. Journal of Geophysical Research, 1985, 90, 3797-3805.	3.3	227
43	Surface acetonitrile near Tucson, Arizona. Geophysical Research Letters, 1984, 11, 241-242.	1.5	62