

William L Smith

List of Publications by Year in descending order

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26
papers

1,385
citations

516215

16
h-index

580395

25
g-index

35
all docs

35
docs citations

35
times ranked

1807
citing authors

#	ARTICLE	IF	CITATIONS
1	CERES MODIS Cloud Product Retrievals for Edition 4â€”Part I: Algorithm Changes. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2744-2780.	2.7	75
2	CERES MODIS Cloud Product Retrievals for Edition 4â€”Part II: Comparisons to CloudSat and CALIPSO. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 3695-3724.	2.7	22
3	An Overview of Atmospheric Features Over the Western North Atlantic Ocean and North American East Coastâ€”Part 2: Circulation, Boundary Layer, and Clouds. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033423.	1.2	26
4	Evaluation of MODIS and Himawariâ€”8 Low Clouds Retrievals Over the Southern Ocean With In Situ Measurements From the SOCRATES Campaign. Earth and Space Science, 2021, 8, e2020EA001397.	1.1	11
5	The effect of low-level thin arctic clouds on shortwave irradiance: evaluation of estimates from spaceborne passive imagery with aircraft observations. Atmospheric Measurement Techniques, 2021, 14, 2673-2697.	1.2	7
6	Evaluation of satellite retrievals of liquid clouds from the GOES-13 imager and MODIS over the midlatitude North Atlantic during the NAAMES campaign. Atmospheric Measurement Techniques, 2021, 14, 6633-6646.	1.2	16
7	Reducing uncertainties in satellite estimates of aerosolâ€”cloud interactions over the subtropical ocean by integrating vertically resolved aerosol observations. Atmospheric Chemistry and Physics, 2020, 20, 7167-7177.	1.9	17
8	Observational Evidence that Radiative Heating Modifies the Life Cycle of Tropical Anvil Clouds. Journal of Climate, 2020, 33, 8621-8640.	1.2	20
9	A kernel-driven BRDF model to inform satellite-derived visible anvil cloud detection. Atmospheric Measurement Techniques, 2020, 13, 5491-5511.	1.2	6
10	Global Cloud Detection for CERES Edition 4 Using Terra and Aqua MODIS Data. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9410-9449.	2.7	49
11	Decomposing Shortwave Top-of-Atmosphere and Surface Radiative Flux Variations in Terms of Surface and Atmospheric Contributions. Journal of Climate, 2019, 32, 5003-5019.	1.2	12
12	Evaluation of WRF-DART (ARW v3.9.1.1 and DART Manhattan release) multiphase cloud water path assimilation for short-term solar irradiance forecasting in a tropical environment. Geoscientific Model Development, 2019, 12, 3939-3954.	1.3	4
13	Northern Hemisphere contrail properties derived from Terra and Aqua MODIS data for 2006 and 2012. Atmospheric Chemistry and Physics, 2019, 19, 5313-5330.	1.9	9
14	Advances in neural network detection and retrieval of multilayer clouds for CERES using multispectral satellite data. , 2019, , .		6
15	Comparisons of Ice Water Path in Deep Convective Systems Among Groundâ€”Based, GOES, and CERESâ€”MODIS Retrievals. Journal of Geophysical Research D: Atmospheres, 2018, 123, 1708-1723.	1.2	15
16	Surface Irradiances of Edition 4.0 Clouds and the Earthâ€™s Radiant Energy System (CERES) Energy Balanced and Filled (EBAF) Data Product. Journal of Climate, 2018, 31, 4501-4527.	1.2	275
17	The Life Cycle of Anvil Clouds and the Top-of-Atmosphere Radiation Balance over the Tropical West Pacific. Journal of Climate, 2018, 31, 10059-10080.	1.2	28
18	Calibration Changes to Terra MODIS Collection-5 Radiances for CERES Edition 4 Cloud Retrievals. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 6016-6032.	2.7	14

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19	Impact of Ice Cloud Microphysics on Satellite Cloud Retrievals and Broadband Flux Radiative Transfer Model Calculations. <i>Journal of Climate</i> , 2018, 31, 1851-1864.	1.2	36
20	A prototype method for diagnosing high ice water content probability using satellite imager data. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 1615-1637.	1.2	24
21	Arctic Radiation-IceBridge Sea and Ice Experiment: The Arctic Radiant Energy System during the Critical Seasonal Ice Transition. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 1399-1426.	1.7	17
22	Estimating nocturnal opaque ice cloud optical depth from MODIS multispectral infrared radiances using a neural network method. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 4907-4932.	1.2	27
23	CERES Edition-2 Cloud Property Retrievals Using TRMM VIRS and Terra and Aqua MODIS Dataâ€”Part II: Examples of Average Results and Comparisons With Other Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2011, 49, 4401-4430.	2.7	123
24	CERES Edition-2 Cloud Property Retrievals Using TRMM VIRS and Terra and Aqua MODIS Dataâ€”Part I: Algorithms. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2011, 49, 4374-4400.	2.7	410
25	Global Land Surface Emissivity Retrieved From Satellite Ultraspectral IR Measurements. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2011, 49, 1277-1290.	2.7	106
26	Evaluation of satelliteâ€”based upper troposphere cloud top height retrievals in multilayer cloud conditions during TC4. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	27