

# William L Smith

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6156271/publications.pdf>

Version: 2024-02-01

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 Edition-2 Cloud Property Retrievals Using TRMM VIRS and Terra and Aqua MODIS Dataâ€”Part I: Algorithms. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 4374-4400.	2.7	410
2	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
3	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. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 4401-4430.	2.7	123
4	Global Land Surface Emissivity Retrieved From Satellite Ultraspectral IR Measurements. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 1277-1290.	2.7	106
5	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
6	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
7	Impact of Ice Cloud Microphysics on Satellite Cloud Retrievals and Broadband Flux Radiative Transfer Model Calculations. Journal of Climate, 2018, 31, 1851-1864.	1.2	36
8	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
9	Evaluation of satelliteâ€”based upper troposphere cloud top height retrievals in multilayer cloud conditions during TC4. Journal of Geophysical Research, 2010, 115, .	3.3	27
10	Estimating nocturnal opaque ice cloud optical depth from MODIS multispectral infrared radiances using a neural network method. Journal of Geophysical Research D: Atmospheres, 2016, 121, 4907-4932.	1.2	27
11	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
12	A prototype method for diagnosing high ice water content probability using satellite imager data. Atmospheric Measurement Techniques, 2018, 11, 1615-1637.	1.2	24
13	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
14	Observational Evidence that Radiative Heating Modifies the Life Cycle of Tropical Anvil Clouds. Journal of Climate, 2020, 33, 8621-8640.	1.2	20
15	Arctic Radiation-IceBridge Sea and Ice Experiment: The Arctic Radiant Energy System during the Critical Seasonal Ice Transition. Bulletin of the American Meteorological Society, 2017, 98, 1399-1426.	1.7	17
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Evaluation of MODIS and Himawari's 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
22	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
23	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
24	A kernel-driven BRDF model to inform satellite-derived visible anvil cloud detection. Atmospheric Measurement Techniques, 2020, 13, 5491-5511.	1.2	6
25	Advances in neural network detection and retrieval of multilayer clouds for CERES using multispectral satellite data. , 2019, , .		6
26	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