

Tyler J Thorsen

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

867
citations

567281

15
h-index

610901

24
g-index

25
all docs

25
docs citations

25
times ranked

1428
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Irradiances of Edition 4.0 Clouds and the Earth's Radiant Energy System (CERES) Energy Balanced and Filled (EBAF) Data Product. <i>Journal of Climate</i> , 2018, 31, 4501-4527.	3.2	275
2	Satellite and Ocean Data Reveal Marked Increase in Earth's Heating Rate. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093047.	4.0	93
3	Changes in Earth's Energy Budget during and after the "Pause" in Global Warming: An Observational Perspective. <i>Climate</i> , 2018, 6, 62.	2.8	78
4	Removing Diurnal Cycle Contamination in Satellite-Derived Tropospheric Temperatures: Understanding Tropical Tropospheric Trend Discrepancies. <i>Journal of Climate</i> , 2015, 28, 2274-2290.	3.2	50
5	Comparison of the CALIPSO satellite and ground-based observations of cirrus clouds at the ARM TWP sites. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	43
6	Automated Retrieval of Cloud and Aerosol Properties from the ARM Raman Lidar. Part I: Feature Detection. <i>Journal of Atmospheric and Oceanic Technology</i> , 2015, 32, 1977-1998.	1.3	34
7	Macrophysical properties of tropical cirrus clouds from the CALIPSO satellite and from ground-based micropulse and Raman lidars. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 9209-9220.	3.3	33
8	Automated Retrieval of Cloud and Aerosol Properties from the ARM Raman Lidar. Part II: Extinction. <i>Journal of Atmospheric and Oceanic Technology</i> , 2015, 32, 1999-2023.	1.3	33
9	Aerosol Direct Radiative Effect Sensitivity Analysis. <i>Journal of Climate</i> , 2020, 33, 6119-6139.	3.2	32
10	CALIPSO-inferred aerosol direct radiative effects: Bias estimates using ground-based Raman lidars. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 12,209.	3.3	29
11	Biomass Burning Plumes in the Vicinity of the California Coast: Airborne Characterization of Physicochemical Properties, Heating Rates, and Spatiotemporal Features. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 13,560.	3.3	25
12	The impact of lidar detection sensitivity on assessing aerosol direct radiative effects. <i>Geophysical Research Letters</i> , 2017, 44, 9059-9067.	4.0	24
13	Cloud effects on radiative heating rate profiles over Darwin using ARM and A-train radar/lidar observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 5637-5654.	3.3	18
14	Observation-Based Decomposition of Radiative Perturbations and Radiative Kernels. <i>Journal of Climate</i> , 2018, 31, 10039-10058.	3.2	16
15	Uncertainty in Observational Estimates of the Aerosol Direct Radiative Effect and Forcing. <i>Journal of Climate</i> , 2021, 34, 195-214.	3.2	16
16	Climatology Explains Intermodel Spread in Tropical Upper Tropospheric Cloud and Relative Humidity Response to Greenhouse Warming. <i>Geophysical Research Letters</i> , 2019, 46, 13399-13409.	4.0	15
17	Investigation of the Residual in Column-Integrated Atmospheric Energy Balance Using Cloud Objects. <i>Journal of Climate</i> , 2016, 29, 7435-7452.	3.2	13
18	Ambient Aerosol Hygroscopic Growth From Combined Raman Lidar and HSRL. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031708.	3.3	13

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19	Differences in Ice Cloud Optical Depth From CALIPSO and Ground-Based Raman Lidar at the ARM SGP and TWP Sites. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 1755-1778.	3.3	11
20	Uncertainty in Satellite-Derived Surface Irradiances and Challenges in Producing Surface Radiation Budget Climate Data Record. <i>Remote Sensing</i> , 2020, 12, 1950.	4.0	5
21	Understanding Top-of-Atmosphere Flux Bias in the AeroCom Phase III Models: A Clear-Sky Perspective. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2021MS002584.	3.8	4
22	The Diurnal Variation of the Aerosol Optical Depth at the ARM SGP Site. <i>Earth and Space Science</i> , 2021, 8, .	2.6	3
23	A case study of microphysical structures and hydrometeor phase in convection using radar Doppler spectra at Darwin, Australia. <i>Geophysical Research Letters</i> , 2017, 44, 7519-7527.	4.0	2
24	Examining Cloud Macrophysical Changes over the Pacific for 2007–2017 Using CALIPSO, CloudSat, and MODIS Observations. <i>Journal of Applied Meteorology and Climatology</i> , 2021, , .	1.5	2