# Tyler J Thorsen

List of Publications by Year
in descending order



| 24 | 867 | 566801 15 | 610482 24 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 25 | 25 | 25 | 1428 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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 |
| 2 | Satellite and Ocean Data Reveal Marked Increase in Earthâ€™s Heating Rate. Geophysical Research Letters, 2021, 48, e2021GL093047. | 1.5 | 93 |
| 3 | Changes in Earthâ€™s Energy Budget during and after the â€œPauseâ€•in Global Warming: An Observational Perspective. Climate, 2018, 6, 62. | 1.2 | 78 |
| 4 | Removing Diurnal Cycle Contamination in Satellite-Derived Tropospheric Temperatures: Understanding Tropical Tropospheric Trend Discrepancies. Journal of Climate, 2015, 28, 2274-2290. | 1.2 | 50 |
| 5 | Comparison of the CALIPSO satellite and ground-based observations of cirrus clouds at the ARM TWP sites. Journal of Geophysical Research, 2011, 116, . | 3.3 | 43 |
| 6 | Automated Retrieval of Cloud and Aerosol Properties from the ARM Raman Lidar. Part I: Feature Detection. Journal of Atmospheric and Oceanic Technology, 2015, 32, 1977-1998. | 0.5 | 34 |
| 7 | Macrophysical properties of tropical cirrus clouds from the CALIPSO satellite and from groundâ€based micropulse and Raman lidars. Journal of Geophysical Research D: Atmospheres, 2013, 118, 9209-9220. | 1.2 | 33 |
| 8 | Automated Retrieval of Cloud and Aerosol Properties from the ARM Raman Lidar. Part II: Extinction. Journal of Atmospheric and Oceanic Technology, 2015, 32, 1999-2023. | 0.5 | 33 |
| 9 | Aerosol Direct Radiative Effect Sensitivity Analysis. Journal of Climate, 2020, 33, 6119-6139. | 1.2 | 32 |
| 10 | CALIPSOâ€•inferred aerosol direct radiative effects: Bias estimates using groundâ€based Raman lidars. Journal of Geophysical Research D: Atmospheres, 2015, 120, 12,209. | 1.2 | 29 |
| 11 | Biomass Burning Plumes in the Vicinity of the California Coast: Airborne Characterization of Physicochemical Properties, Heating Rates, and Spatiotemporal Features. Journal of Geophysical Research D: Atmospheres, 2018, 123, 13,560. | 1.2 | 25 |
| 12 | The impact of lidar detection sensitivity on assessing aerosol direct radiative effects. Geophysical Research Letters, 2017, 44, 9059-9067. | 1.5 | 24 |
| 13 | Cloud effects on radiative heating rate profiles over Darwin using ARM and Aâ€train radar/lidar observations. Journal of Geophysical Research D: Atmospheres, 2013, 118, 5637-5654. | 1.2 | 18 |
| 14 | Observation-Based Decomposition of Radiative Perturbations and Radiative Kernels. Journal of Climate, 2018, 31, 10039-10058. | 1.2 | 16 |
| 15 | Uncertainty in Observational Estimates of the Aerosol Direct Radiative Effect and Forcing. Journal of Climate, 2021, 34, 195-214. | 1.2 | 16 |
| 16 | Climatology Explains Intermodel Spread in Tropical Upper Tropospheric Cloud and Relative Humidity Response to Greenhouse Warming. Geophysical Research Letters, 2019, 46, 13399-13409. | 1.5 | 15 |
| 17 | Investigation of the Residual in Column-Integrated Atmospheric Energy Balance Using Cloud Objects. Journal of Climate, 2016, 29, 7435-7452. | 1.2 | 13 |
| 18 | Ambient Aerosol Hygroscopic Growth From Combined Raman Lidar and HSRL. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031708. | 1.2 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Differences in Ice Cloud Optical Depth From CALIPSO and Groundâ€Based Raman Lidar at the ARM SGP and TWP Sites. Journal of Geophysical Research D: Atmospheres, 2019, 124, 1755-1778. | 1.2 | 11 |
| 20 | Uncertainty in Satellite-Derived Surface Irradiances and Challenges in Producing Surface Radiation Budget Climate Data Record. Remote Sensing, 2020, 12, 1950. | 1.8 | 5 |
| 21 | Understanding Topâ€ofâ€Atmosphere Flux Bias in the AeroCom Phase III Models: A Clearâ€Sky Perspective. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002584. | 1.3 | 4 |
| 22 | The Diurnal Variation of the Aerosol Optical Depth at the ARM SGP Site. Earth and Space Science, 2021, 8, . | 1.1 | 3 |
| 23 | A case study of microphysical structures and hydrometeor phase in convection using radar Doppler spectra at Darwin, Australia. Geophysical Research Letters, 2017, 44, 7519-7527. | 1.5 | 2 |
| 24 | Examining Cloud Macrophysical Changes over the Pacific for 2007â€“2017 Using CALIPSO, CloudSat, and MODIS Observations. Journal of Applied Meteorology and Climatology, 2021, , . | 0.6 | 2 |