Gregory S Elsaesser

List of Publications by Year
in descending order

27	891	516710 16	526287 27
papers	citations	h-index	g-index

40	40	40	1603
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	GISSâ€Ł2.1: Configurations and Climatology. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS002025.	3.8	234
2	Practice and philosophy of climate model tuning across six US modeling centers. Geoscientific Model Development, 2017, 10, 3207-3223.	3.6	100
3	The Multisensor Advanced Climatology of Liquid Water Path (MAC-LWP). Journal of Climate, 2017, 30, 10193-10210.	3.2	72
4	CMIP6 Historical Simulations (1850â€“2014) With GISSâ€Ł2.1. Journal of Advances in Modeling Earth Systems, 2021, 13, e2019MS002034.	3.8	49
5	Toward a Fully Parametric Retrieval of the Nonraining Parameters over the Global Oceans. Journal of Applied Meteorology and Climatology, 2008, 47, 1599-1618.	1.5	43
6	Evaluating models' response of tropical low clouds to SST forcings using CALIPSO observations. Atmospheric Chemistry and Physics, 2019, 19, 2813-2832.	4.9	34
7	An Improved Convective Ice Parameterization for the NASA GISS Global Climate Model and Impacts on Cloud Ice Simulation. Journal of Climate, 2017, 30, 317-336.	3.2	33
8	Regional Intensification of the Tropical Hydrological Cycle During ENSO. Geophysical Research Letters, 2018, 45, 4361-4370.	4.0	30
9	Relationships between the Raindrop Size Distribution and Properties of the Environment and Clouds Inferred from TRMM. Journal of Climate, 2012, 25, 2963-2978.	3.2	29
10	A Lagrangian View of Moisture Dynamics during DYNAMO. Journals of the Atmospheric Sciences, 2016, 73, 1967-1985.	1.7	29
11	Aerosol midlatitude cyclone indirect effects in observations and high-resolution simulations. Atmospheric Chemistry and Physics, 2018, 18, 5821-5846.	4.9	28
12	Untangling causality in midlatitude aerosolâ€“cloud adjustments. Atmospheric Chemistry and Physics, 2020, 20, 4085-4103.	4.9	25
13	Future Climate Change Under SSP Emission Scenarios With GISSâ€Ł2.1. Journal of Advances in Modeling Earth Systems, 2022, 14, .	3.8	22
14	The Sensitivity of Rainfall Estimation to Error Assumptions in a Bayesian Passive Microwave Retrieval Algorithm. Journal of Applied Meteorology and Climatology, 2015, 54, 408-422.	1.5	21
15	Evaluation of Cloud Liquid Water Path Trends Using a Multidecadal Record of Passive Microwave Observations. Journal of Climate, 2017, 30, 5871-5884.	3.2	20
16	Observed Self-Similarity of Precipitation Regimes over the Tropical Oceans. Journal of Climate, 2010, 23, 2686-2698.	3.2	19
17	A Multisensor Observational Depiction of the Transition from Light to Heavy Rainfall on Subdaily Time Scales. Journals of the Atmospheric Sciences, 2013, 70, 2309-2324.	1.7	15
18	Cloud feedbacks in extratropical cyclones: insight from long-term satellite data and high-resolution global simulations. Atmospheric Chemistry and Physics, 2019, 19, 1147-1172.	4.9	12

#	Article	IF	Citations
19	Environmental Controls on Tropical Mesoscale Convective System Precipitation Intensity. Journals of the Atmospheric Sciences, 2020, 77, 4233-4249.	1.7	12
20	A Regime-Oriented Approach to Observationally Constraining Extratropical Shortwave Cloud Feedbacks. Journal of Climate, 2020, 33, 9967-9983.	3.2	12
21	Identifying and analysing uncertainty structures in the TRMM microwave imager precipitation product over tropical ocean basins. International Journal of Remote Sensing, 2017, 38, 23-42.	2.9	11
22	Improved Convective Ice Microphysics Parameterization in the NCAR CAM Model. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034157.	3.3	11
23	Extratropical Shortwave Cloud Feedbacks in the Context of the Global Circulation and Hydrological Cycle. Geophysical Research Letters, 2022, 49, .	4.0	8
24	A Lagrangian Analysis of Deep Convective Systems and Their Local Environmental Effects. Journal of Climate, 2014, 27, 2072-2086.	3.2	6
25	Comparing rain retrievals from GPROF with ECMWF 1Dâ€Var products. Quarterly Journal of the Royal Meteorological Society, 2012, 138, 1852-1866.	2.7	3
26	A Simple Model for Tropical Convective Cloud Shield Area Growth and Decay Rates Informed by Geostationary IR, GPM, and Aqua/AIRS Satellite Data. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	3
27	Evolution of Tropical Cyclone Properties Across the Development Cycle of the GISSâ€E3 Global Climate Model. Journal of Advances in Modeling Earth Systems, 2022, 14, .	3.8	2