

# Gregory S Elsaesser

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

891  
citations

516710

16  
h-index

526287

27  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1603  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of Tropical Cyclone Properties Across the Development Cycle of the GISS-Global Climate Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	3.8	2
2	Future Climate Change Under SSP Emission Scenarios With GISS-E2.1. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	3.8	22
3	Extratropical Shortwave Cloud Feedbacks in the Context of the Global Circulation and Hydrological Cycle. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	8
4	A Simple Model for Tropical Convective Cloud Shield Area Growth and Decay Rates Informed by Geostationary IR, GPM, and Aqua/AIRS Satellite Data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	3
5	CMIP6 Historical Simulations (1850–2014) With GISS-E2.1. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2019MS002034.	3.8	49
6	Improved Convective Ice Microphysics Parameterization in the NCAR CAM Model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034157.	3.3	11
7	GISS-E2.1: Configurations and Climatology. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS002025.	3.8	234
8	Environmental Controls on Tropical Mesoscale Convective System Precipitation Intensity. <i>Journals of the Atmospheric Sciences</i> , 2020, 77, 4233-4249.	1.7	12
9	A Regime-Oriented Approach to Observationally Constraining Extratropical Shortwave Cloud Feedbacks. <i>Journal of Climate</i> , 2020, 33, 9967-9983.	3.2	12
10	Untangling causality in midlatitude aerosol–cloud adjustments. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 4085-4103.	4.9	25
11	Cloud feedbacks in extratropical cyclones: insight from long-term satellite data and high-resolution global simulations. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 1147-1172.	4.9	12
12	Evaluating models' response of tropical low clouds to SST forcings using CALIPSO observations. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 2813-2832.	4.9	34
13	Aerosol midlatitude cyclone indirect effects in observations and high-resolution simulations. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 5821-5846.	4.9	28
14	Regional Intensification of the Tropical Hydrological Cycle During ENSO. <i>Geophysical Research Letters</i> , 2018, 45, 4361-4370.	4.0	30
15	An Improved Convective Ice Parameterization for the NASA GISS Global Climate Model and Impacts on Cloud Ice Simulation. <i>Journal of Climate</i> , 2017, 30, 317-336.	3.2	33
16	The Multisensor Advanced Climatology of Liquid Water Path (MAC-LWP). <i>Journal of Climate</i> , 2017, 30, 10193-10210.	3.2	72
17	Evaluation of Cloud Liquid Water Path Trends Using a Multidecadal Record of Passive Microwave Observations. <i>Journal of Climate</i> , 2017, 30, 5871-5884.	3.2	20
18	Identifying and analysing uncertainty structures in the TRMM microwave imager precipitation product over tropical ocean basins. <i>International Journal of Remote Sensing</i> , 2017, 38, 23-42.	2.9	11

#	ARTICLE	IF	CITATIONS
19	Practice and philosophy of climate model tuning across six US modeling centers. <i>Geoscientific Model Development</i> , 2017, 10, 3207-3223.	3.6	100
20	A Lagrangian View of Moisture Dynamics during DYNAMO. <i>Journals of the Atmospheric Sciences</i> , 2016, 73, 1967-1985.	1.7	29
21	The Sensitivity of Rainfall Estimation to Error Assumptions in a Bayesian Passive Microwave Retrieval Algorithm. <i>Journal of Applied Meteorology and Climatology</i> , 2015, 54, 408-422.	1.5	21
22	A Lagrangian Analysis of Deep Convective Systems and Their Local Environmental Effects. <i>Journal of Climate</i> , 2014, 27, 2072-2086.	3.2	6
23	A Multisensor Observational Depiction of the Transition from Light to Heavy Rainfall on Subdaily Time Scales. <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 2309-2324.	1.7	15
24	Relationships between the Raindrop Size Distribution and Properties of the Environment and Clouds Inferred from TRMM. <i>Journal of Climate</i> , 2012, 25, 2963-2978.	3.2	29
25	Comparing rain retrievals from GPROF with ECMWF 1D $\hat{\epsilon}$ Var products. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2012, 138, 1852-1866.	2.7	3
26	Observed Self-Similarity of Precipitation Regimes over the Tropical Oceans. <i>Journal of Climate</i> , 2010, 23, 2686-2698.	3.2	19
27	Toward a Fully Parametric Retrieval of the Nonraining Parameters over the Global Oceans. <i>Journal of Applied Meteorology and Climatology</i> , 2008, 47, 1599-1618.	1.5	43