

Maria A A Rugenstein

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,923
citations

516710

16
h-index

610901

24
g-index

26
all docs

26
docs citations

26
times ranked

2691
citing authors

#	ARTICLE	IF	CITATIONS
1	An Assessment of Earth's Climate Sensitivity Using Multiple Lines of Evidence. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000678.	23.0	498
2	Bounding Global Aerosol Radiative Forcing of Climate Change. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000660.	23.0	424
3	Beyond equilibrium climate sensitivity. <i>Nature Geoscience</i> , 2017, 10, 727-736.	12.9	217
4	Feedbacks, climate sensitivity and the limits of linear models. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20150146.	3.4	98
5	Simulated Tropical Precipitation Assessed across Three Major Phases of the Coupled Model Intercomparison Project (CMIP). <i>Monthly Weather Review</i> , 2020, 148, 3653-3680.	1.4	92
6	Equilibrium Climate Sensitivity Estimated by Equilibrating Climate Models. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL083898.	4.0	84
7	Dependence of global radiative feedbacks on evolving patterns of surface heat fluxes. <i>Geophysical Research Letters</i> , 2016, 43, 9877-9885.	4.0	82
8	Northern High-Latitude Heat Budget Decomposition and Transient Warming. <i>Journal of Climate</i> , 2013, 26, 609-621.	3.2	66
9	LongRunMIP: Motivation and Design for a Large Collection of Millennial-Length AOGCM Simulations. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 2551-2570.	3.3	65
10	Global and Arctic climate sensitivity enhanced by changes in North Pacific heat flux. <i>Nature Communications</i> , 2018, 9, 3124.	12.8	39
11	Transient Climate Sensitivity Depends on Base Climate Ocean Circulation. <i>Journal of Climate</i> , 2017, 30, 1493-1504.	3.2	36
12	Multiannual Ocean-Atmosphere Adjustments to Radiative Forcing. <i>Journal of Climate</i> , 2016, 29, 5643-5659.	3.2	34
13	Broad Consistency Between Observed and Simulated Trends in Sea Surface Temperature Patterns. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086773.	4.0	34
14	Climate Sensitivity Increases Under Higher CO ₂ Levels Due to Feedback Temperature Dependence. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL089074.	4.0	31
15	Robust decrease in El Niño/Southern Oscillation amplitude under long-term warming. <i>Nature Climate Change</i> , 2021, 11, 752-757.	18.8	31
16	Nonlinearities in patterns of long-term ocean warming. <i>Geophysical Research Letters</i> , 2016, 43, 3380-3388.	4.0	25
17	Emplacement of Antarctic ice sheet mass affects circumpolar ocean flow. <i>Global and Planetary Change</i> , 2014, 118, 16-24.	3.5	18
18	Spatial Radiative Feedbacks from Internal Variability Using Multiple Regression. <i>Journal of Climate</i> , 2020, 33, 4121-4140.	3.2	15

#	ARTICLE	IF	CITATIONS
19	Three Flavors of Radiative Feedbacks and Their Implications for Estimating Equilibrium Climate Sensitivity. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092983.	4.0	11
20	Transient and Quasi-Equilibrium Climate States at 1.5°C and 2°C Global Warming. <i>Earth's Future</i> , 2021, 9, e2021EF002274.	6.3	9
21	Changes in Future Precipitation Mean and Variability across Scales. <i>Journal of Climate</i> , 2021, 34, 2741-2758.	3.2	5
22	Estimating Radiative Forcing With a Nonconstant Feedback Parameter and Linear Response. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, .	3.3	4
23	Reversing Sahelian Droughts. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093129.	4.0	3
24	Mechanisms of Fast Walker Circulation Responses to CO ₂ Forcing. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095708.	4.0	2