

Peter J Gleckler

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

4,303
citations

279798

23
h-index

434195

31
g-index

31
all docs

31
docs citations

31
times ranked

6100
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved estimates of upper-ocean warming and multi-decadal sea-level rise. <i>Nature</i> , 2008, 453, 1090-1093.	27.8	676
2	An Overview of the Results of the Atmospheric Model Intercomparison Project (AMIP I). <i>Bulletin of the American Meteorological Society</i> , 1999, 80, 29-55.	3.3	668
3	Selecting global climate models for regional climate change studies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 8441-8446.	7.1	525
4	Penetration of Human-Induced Warming into the World's Oceans. <i>Science</i> , 2005, 309, 284-287.	12.6	406
5	The effect of horizontal resolution on simulation quality in the Community Atmospheric Model, CAM5.1. <i>Journal of Advances in Modeling Earth Systems</i> , 2014, 6, 980-997.	3.8	233
6	OMIP contribution to CMIP6: experimental and diagnostic protocol for the physical component of the Ocean Model Intercomparison Project. <i>Geoscientific Model Development</i> , 2016, 9, 3231-3296.	3.6	223
7	Are climate model simulations of clouds improving? An evaluation using the ISCCP simulator. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 1329-1342.	3.3	195
8	ESMValTool (v1.0) – a community diagnostic and performance metrics tool for routine evaluation of Earth system models in CMIP. <i>Geoscientific Model Development</i> , 2016, 9, 1747-1802.	3.6	127
9	Industrial-era global ocean heat uptake doubles in recent decades. <i>Nature Climate Change</i> , 2016, 6, 394-398.	18.8	127
10	Identifying human influences on atmospheric temperature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 26-33.	7.1	117
11	Quantifying underestimates of long-term upper-ocean warming. <i>Nature Climate Change</i> , 2014, 4, 999-1005.	18.8	116
12	Evaluation of continental precipitation in 20th century climate simulations: The utility of multimodel statistics. <i>Water Resources Research</i> , 2006, 42, .	4.2	101
13	Anthropogenic Warming of the Oceans: Observations and Model Results. <i>Journal of Climate</i> , 2006, 19, 1873-1900.	3.2	95
14	Human and natural influences on the changing thermal structure of the atmosphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17235-17240.	7.1	84
15	Uncertainties in Global Ocean Surface Heat Flux Climatologies Derived from Ship Observations. <i>Journal of Climate</i> , 1997, 10, 2764-2781.	3.2	79
16	MJO Propagation Across the Maritime Continent: Are CMIP6 Models Better Than CMIP5 Models?. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087250.	4.0	77
17	The fingerprint of human-induced changes in the ocean's salinity and temperature fields. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	74
18	Three-dimensional tropospheric water vapor in coupled climate models compared with observations from the AIRS satellite system. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	55

#	ARTICLE	IF	CITATIONS
19	Evaluation of CMIP5 dynamic sea surface height multi-model simulations against satellite observations. <i>Climate Dynamics</i> , 2014, 43, 1271-1283.	3.8	54
20	Long-term sea-level change revisited: the role of salinity. <i>Environmental Research Letters</i> , 2014, 9, 114017.	5.2	51
21	A More Powerful Reality Test for Climate Models. <i>Eos</i> , 2016, 97, .	0.1	50
22	Ocean Warming: From the Surface to the Deep in Observations and Models. <i>Oceanography</i> , 2018, 31, 41-51.	1.0	33
23	Regional assessment of the parameterâ€dependent performance of CAM4 in simulating tropical clouds. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	31
24	Representation of Modes of Variability in Six U.S. Climate Models. <i>Journal of Climate</i> , 2020, 33, 7591-7617.	3.2	21
25	Secular trends and climate drift in coupled ocean-atmosphere general circulation models. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	20
26	The Role of the Mean State on MJO Simulation in CESM2 Ensemble Simulation. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089824.	4.0	16
27	The effect of horizontal resolution on ocean surface heat fluxes in the ECMWF model. <i>Climate Dynamics</i> , 1993, 9, 17-32.	3.8	14
28	Ocean Circulations, Heat Budgets, and Future Commitment to Climate Change. <i>Annual Review of Environment and Resources</i> , 2011, 36, 27-43.	13.4	11
29	Sampling strategies for the comparison of climate model calculated and satellite observed brightness temperatures. <i>Journal of Geophysical Research</i> , 2000, 105, 9393-9406.	3.3	10
30	Coupled ocean-atmosphere climate simulations compared with simulations using prescribed sea surface temperature: effect of a â€perfect oceanâ€. <i>Global and Planetary Change</i> , 2004, 41, 1-14.	3.5	9
31	Superior Daily and Subâ€Daily Precipitation Statistics for Intense and Longâ€Lived Storms in Global Stormâ€Resolving Models. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	5