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	Superior Daily and Subâ€Daily Precipitation Statistics for Intense and Longâ€Lived Storms in Global Stormâ€Resolving Models. Geophysical Research Letters, 2022, 49, .	4.0	5
2	MJO Propagation Across the Maritime Continent: Are CMIP6 Models Better Than CMIP5 Models?. Geophysical Research Letters, 2020, 47, e2020GL087250.	4.0	77
3	The Role of the Mean State on MJO Simulation in CESM2 Ensemble Simulation. Geophysical Research Letters, 2020, 47, e2020GL089824.	4.0	16
4	Representation of Modes of Variability in Six U.S. Climate Models. Journal of Climate, 2020, 33, 7591-7617.	3.2	21
5	Ocean Warming: From the Surface to the Deep in Observations and Models. Oceanography, 2018, 31, 41-51.	1.0	33
6	OMIP contribution to CMIP6: experimental and diagnostic protocol for the physical component of the Ocean Model Intercomparison Project. Geoscientific Model Development, 2016, 9, 3231-3296.	3.6	223
7	ESMValTool (v1.0) â€“ a community diagnostic and performance metrics tool for routine evaluation of Earth system models in CMIP. Geoscientific Model Development, 2016, 9, 1747-1802.	3.6	127
8	Industrial-era global ocean heat uptake doubles in recent decades. Nature Climate Change, 2016, 6, 394-398.	18.8	127
9	A More Powerful Reality Test for Climate Models. Eos, 2016, 97, .	0.1	50
10	Long-term sea-level change revisited: the role of salinity. Environmental Research Letters, 2014, 9, 114017.	5.2	51
11	The effect of horizontal resolution on simulation quality in the <scp>C</scp>ommunity <scp>A</scp>tmospheric <scp>M</scp>odel, <scp>CAM</scp>5.1. Journal of Advances in Modeling Earth Systems, 2014, 6, 980-997.	3.8	233
12	Quantifying underestimates of long-term upper-ocean warming. Nature Climate Change, 2014, 4, 999-1005.	18.8	116
13	Evaluation of CMIP5 dynamic sea surface height multi-model simulations against satellite observations. Climate Dynamics, 2014, 43, 1271-1283.	3.8	54
14	Identifying human influences on atmospheric temperature. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 26-33.	7.1	117
15	Human and natural influences on the changing thermal structure of the atmosphere. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17235-17240.	7.1	84
16	Are climate model simulations of clouds improving? An evaluation using the ISCCP simulator. Journal of Geophysical Research D: Atmospheres, 2013, 118, 1329-1342.	3.3	195
17	The fingerprint of humanâ€induced changes in the ocean's salinity and temperature fields. Geophysical Research Letters, 2012, 39, .	4.0	74
18	Regional assessment of the parameterâ€dependent performance of CAM4 in simulating tropical clouds. Geophysical Research Letters, 2012, 39, .	4.0	31

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19	Ocean Circulations, Heat Budgets, and Future Commitment to Climate Change. Annual Review of Environment and Resources, 2011, 36, 27-43.	13.4	11
20	Selecting global climate models for regional climate change studies. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8441-8446.	7.1	525
21	Improved estimates of upper-ocean warming and multi-decadal sea-level rise. Nature, 2008, 453, 1090-1093.	27.8	676
22	Secular trends and climate drift in coupled ocean-atmosphere general circulation models. Journal of Geophysical Research, 2006, 111, .	3.3	20
23	Evaluation of continental precipitation in 20th century climate simulations: The utility of multimodel statistics. Water Resources Research, 2006, 42, .	4.2	101
24	Three-dimensional tropospheric water vapor in coupled climate models compared with observations from the AIRS satellite system. Geophysical Research Letters, 2006, 33, .	4.0	55
25	Anthropogenic Warming of the Oceans: Observations and Model Results. Journal of Climate, 2006, 19, 1873-1900.	3.2	95
26	Penetration of Human-Induced Warming into the World's Oceans. Science, 2005, 309, 284-287.	12.6	406
27	Coupled ocean-atmosphere climate simulations compared with simulations using prescribed sea surface temperature: effect of a â€œperfect oceanâ€• Global and Planetary Change, 2004, 41, 1-14.	3.5	9
28	Sampling strategies for the comparison of climate model calculated and satellite observed brightness temperatures. Journal of Geophysical Research, 2000, 105, 9393-9406.	3.3	10
29	An Overview of the Results of the Atmospheric Model Intercomparison Project (AMIP I). Bulletin of the American Meteorological Society, 1999, 80, 29-55.	3.3	668
30	Uncertainties in Global Ocean Surface Heat Flux Climatologies Derived from Ship Observations. Journal of Climate, 1997, 10, 2764-2781.	3.2	79
31	The effect of horizontal resolution on ocean surface heat fluxes in the ECMWF model. Climate Dynamics, 1993, 9, 17-32.	3.8	14