J P Krasting

List of Publications by Year
in descending order

31	4,887	331670 21	434195 31
papers	citations	h-index	g-index

34	34	34	7013
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Role of Continental Topography in the Present-Day Oceanâ€™s Mean Climate. Journal of Climate, 2022, 35, 1327-1346.	3.2	2
2	Oceanic and Atmospheric Drivers of Postâ€Elâ€NiÃ±o Chlorophyll Rebound in the Equatorial Pacific. Geophysical Research Letters, 2022, 49, .	4.0	5
3	Regional sensitivity patterns of Arctic Ocean acidification revealed with machine learning. Communications Earth & Environment, 2022, 3, .	6.8	2
4	Importance of the Antarctic Slope Current in the Southern Ocean Response to Ice Sheet Melt and Wind Stress Change. Journal of Geophysical Research: Oceans, 2022, 127, .	2.6	14
5	Comparison of Equilibrium Climate Sensitivity Estimates From Slab Ocean, 150â€Year, and Longer Simulations. Geophysical Research Letters, 2020, 47, e2020GL088852.	4.0	16
6	Simple Global Ocean Biogeochemistry With Light, Iron, Nutrients and Gas Version 2 (BLINGv2): Model Description and Simulation Characteristics in GFDL's CM4.0. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS002008.	3.8	24
7	Ocean Biogeochemistry in GFDL's Earth System Model 4.1 and Its Response to Increasing Atmospheric CO₂. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS002043.	3.8	70
8	The GFDL Earth System Model Version 4.1 (GFDLâ€ESM 4.1): Overall Coupled Model Description and Simulation Characteristics. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS002015.	3.8	277
9	Climate Sensitivity of GFDL's CM4.0. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001838.	3.8	17
10	Carbonâ€“concentration and carbonâ€“climate feedbacks in CMIP6 models and their comparison to CMIP5 models. Biogeosciences, 2020, 17, 4173-4222.	3.3	255
11	Rising Temperatures Increase Importance of Oceanic Evaporation as a Source for Continental Precipitation. Journal of Climate, 2019, 32, 7713-7726.	3.2	37
12	The GFDL Global Ocean and Sea Ice Model OM4.0: Model Description and Simulation Features. Journal of Advances in Modeling Earth Systems, 2019, 11, 3167-3211.	3.8	195
13	Structure and Performance of GFDL's CM4.0 Climate Model. Journal of Advances in Modeling Earth Systems, 2019, 11, 3691-3727.	3.8	242
14	Taking climate model evaluation to the next level. Nature Climate Change, 2019, 9, 102-110.	18.8	407
15	The GFDL Global Atmosphere and Land Model AM4.0/LM4.0: 2. Model Description, Sensitivity Studies, and Tuning Strategies. Journal of Advances in Modeling Earth Systems, 2018, 10, 735-769.	3.8	185
16	The GFDL Global Atmosphere and Land Model AM4.0/LM4.0: 1. Simulation Characteristics With Prescribed SSTs. Journal of Advances in Modeling Earth Systems, 2018, 10, 691-734.	3.8	155
17	Role of Ocean Model Formulation in Climate Response Uncertainty. Journal of Climate, 2018, 31, 9313-9333.	3.2	9
18	The Mechanistic Role of the Central American Seaway in a GFDL Earth System Model. Part 1: Impacts on Global Ocean Mean State and Circulation. Paleoceanography and Paleoclimatology, 2018, 33, 840-859.	2.9	7

#	Article	IF	Citations
19	Impact of Mountains on Tropical Circulation in Two Earth System Models. Journal of Climate, 2017, 30, 4149-4163.	3.2	13
20	The impact of anthropogenic land use and land cover change on regional climate extremes. Nature Communications, 2017, 8, 989.	12.8	207
21	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
22	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
23	Enhanced Atlantic sea-level rise relative to the Pacific under high carbon emission rates. Nature Geoscience, 2016, 9, 210-214.	12.9	24
24	Dominance of the Southern Ocean in Anthropogenic Carbon and Heat Uptake in CMIP5 Models. Journal of Climate, 2015, 28, 862-886.	3.2	432
25	Trajectory sensitivity of the transient climate response to cumulative carbon emissions. Geophysical Research Letters, 2014, 41, 2520-2527.	4.0	41
26	Ocean response to volcanic eruptions in <scp>C</scp>oupled <scp>M</scp>odel <scp>I</scp>ntercomparison <scp>P</scp>roject 5 simulations. Journal of Geophysical Research: Oceans, 2014, 119, 5622-5637.	2.6	90
27	GFDLâ€™s ESM2 Global Coupled Climateâ€“Carbon Earth System Models. Part II: Carbon System Formulation and Baseline Simulation Characteristics*. Journal of Climate, 2013, 26, 2247-2267.	3.2	540
28	Sensitivity of Twenty-First-Century Global-Mean Steric Sea Level Rise to Ocean Model Formulation. Journal of Climate, 2013, 26, 2947-2956.	3.2	25
29	Future Changes in Northern Hemisphere Snowfall. Journal of Climate, 2013, 26, 7813-7828.	3.2	173
30	Historical warming reduced due to enhanced land carbon uptake. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16730-16735.	7.1	88
31	GFDLâ€™s ESM2 Global Coupled Climateâ€“Carbon Earth System Models. Part I: Physical Formulation and Baseline Simulation Characteristics. Journal of Climate, 2012, 25, 6646-6665.	3.2	972