Sainan Sun

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3168372/publications.pdf

Version: 2024-02-01

17	1,100	623734 14	888059 17
papers	citations	h-index	g-index

41	41	41	1018
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Projected land ice contributions to twenty-first-century sea level rise. Nature, 2021, 593, 74-82.	27.8	200
2	Contrasting Response of West and East Antarctic Ice Sheets to Glacial Isostatic Adjustment. Journal of Geophysical Research F: Earth Surface, 2021, 126, e2020JF006003.	2.8	10
3	Future Sea Level Change Under Coupled Model Intercomparison Project Phase 5 and Phase 6 Scenarios From the Greenland and Antarctic Ice Sheets. Geophysical Research Letters, 2021, 48, e2020GL091741.	4.0	28
4	Damage accelerates ice shelf instability and mass loss in Amundsen Sea Embayment. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24735-24741.	7.1	85
5	Antarctic ice sheet response to sudden and sustained ice-shelf collapse (ABUMIP). Journal of Glaciology, 2020, 66, 891-904.	2.2	70
6	Projecting Antarctica's contribution to future sea level rise from basal ice shelf melt using linear response functions of 16 ice sheet models (LARMIP-2). Earth System Dynamics, 2020, 11, 35-76.	7.1	92
7	ISMIP6 Antarctica: a multi-model ensemble of the Antarctic ice sheet evolution over the 21st century. Cryosphere, 2020, 14, 3033-3070.	3.9	198
8	Impact of coastal East Antarctic ice rises on surface mass balance: insights from observations and modeling. Cryosphere, 2020, 14, 3367-3380.	3.9	17
9	Topographic Shelf Waves Control Seasonal Melting Near Antarctic Ice Shelf Grounding Lines. Geophysical Research Letters, 2019, 46, 9824-9832.	4.0	17
10	Uncertainty quantification of the multi-centennial response of the Antarctic ice sheet to climate change. Cryosphere, 2019, 13, 1349-1380.	3.9	68
11	initMIP-Antarctica: an ice sheet model initialization experiment of ISMIP6. Cryosphere, 2019, 13, 1441-1471.	3.9	69
12	Simulated retreat of Jakobshavn IsbrÃ¦ during the 21st century. Cryosphere, 2019, 13, 3139-3153.	3.9	6
13	Design and results of the ice sheet model initialisation experiments initMIP-Greenland: an ISMIP6 intercomparison. Cryosphere, 2018, 12, 1433-1460.	3.9	89
14	Progress in Numerical Modeling of Antarctic Ice-Sheet Dynamics. Current Climate Change Reports, 2017, 3, 174-184.	8.6	45
15	Detecting high spatial variability of ice shelf basal mass balance, Roi Baudouin Ice Shelf, Antarctica. Cryosphere, 2017, 11, 2675-2690.	3.9	25
16	Ice shelf fracture parameterization in an ice sheet model. Cryosphere, 2017, 11, 2543-2554.	3.9	25
17	Dynamic response of Antarctic ice shelves to bedrock uncertainty. Cryosphere, 2014, 8, 1561-1576.	3.9	25