

Sainan Sun

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,100
citations

623734

14
h-index

888059

17
g-index

41
all docs

41
docs citations

41
times ranked

1018
citing authors

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