

Wei-jun Sun

List of Publications by Year in descending order

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docs citations

29
times ranked

572
citing authors

#	ARTICLE	IF	CITATIONS
1	Tropical teleconnection impacts on Antarctic climate changes. <i>Nature Reviews Earth & Environment</i> , 2021, 2, 680-698.	12.2	85
2	A Comparison of Antarctic Ice Sheet Surface Mass Balance from Atmospheric Climate Models and In Situ Observations. <i>Journal of Climate</i> , 2016, 29, 5317-5337.	1.2	57
3	Ablation modeling and surface energy budget in the ablation zone of Laohugou glacier No. 12, western Qilian mountains, China. <i>Annals of Glaciology</i> , 2014, 55, 111-120.	2.8	45
4	The Surface Energy Budget in the Accumulation Zone of the Laohugou Glacier No. 12 in the Western Qilian Mountains, China, in Summer 2009. <i>Arctic, Antarctic, and Alpine Research</i> , 2012, 44, 296-305.	0.4	39
5	The response of surface mass and energy balance of a continental glacier to climate variability, western Qilian Mountains, China. <i>Climate Dynamics</i> , 2018, 50, 3557-3570.	1.7	33
6	Observed and modelled ice temperature and velocity along the main flowline of East Rongbuk Glacier, Qomolangma (Mount Everest), Himalaya. <i>Journal of Glaciology</i> , 2013, 59, 438-448.	1.1	26
7	Baseflow estimation for catchments in the Loess Plateau, China. <i>Journal of Environmental Management</i> , 2019, 233, 264-270.	3.8	23
8	Potential Effect of Black Carbon on Glacier Mass Balance during the Past 55 Years of Laohugou Glacier No. 12, Western Qilian Mountains. <i>Journal of Earth Science (Wuhan, China)</i> , 2020, 31, 410-418.	1.1	23
9	Effects of clouds on surface melting of Laohugou glacier No. 12, western Qilian Mountains, China. <i>Journal of Glaciology</i> , 2018, 64, 89-99.	1.1	18
10	Surge-type glaciers in Karakoram Mountain and possible catastrophes alongside a portion of the Karakoram Highway. <i>Natural Hazards</i> , 2018, 90, 1017-1020.	1.6	17
11	Skill of the two 20th century reanalyses in representing Antarctic near-surface air temperature. <i>International Journal of Climatology</i> , 2018, 38, 4225-4238.	1.5	17
12	Snow Accumulation Variability Over the West Antarctic Ice Sheet Since 1900: A Comparison of Ice Core Records With ERA-20C Reanalysis. <i>Geophysical Research Letters</i> , 2017, 44, 11,482.	1.5	14
13	Reconstruction of surface air temperature in a glaciated region in the western Qilian Mountains, Tibetan Plateau, 1957-2013 and its variation characteristics. <i>Quaternary International</i> , 2015, 371, 22-30.	0.7	13
14	Chemical characteristics and environmental records of a snow-pit at the Glacier No. 12 in the Laohugou Valley, Qilian Mountains. <i>Journal of Earth Science (Wuhan, China)</i> , 2014, 25, 379-385.	1.1	12
15	Decadal Climate Change in Ny-Ålesund, Svalbard, A Representative Area of the Arctic. <i>Condensed Matter</i> , 2018, 3, 12.	0.8	11
16	Can summer monsoon moisture invade the Jade Pass in Northwestern China?. <i>Climate Dynamics</i> , 2020, 55, 3101-3115.	1.7	11
17	Temporal and Spatial Variability in Contemporary Greenland Warming (1958-2020). <i>Journal of Climate</i> , 2022, 35, 2755-2767.	1.2	10
18	An investigation of the thermomechanical features of Laohugou Glacier No. 12 on Qilian Shan, western China, using a two-dimensional first-order flow-band ice flow model. <i>Cryosphere</i> , 2018, 12, 851-866.	1.5	9

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19	Estimating near-surface climatology of multi-reanalyses over the Greenland Ice Sheet. <i>Atmospheric Research</i> , 2021, 259, 105676.	1.8	9
20	Glacier changes and its effect on water resources in Urumqi River Basin, Tianshan Mountains, China, from 1964 to 2014. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	8
21	Variations in annual accumulation recorded in a Laohugou ice core from the northeastern Tibetan Plateau and their relationship with atmospheric circulation. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	7
22	On the performance of twentieth century reanalysis products for Antarctic snow accumulation. <i>Climate Dynamics</i> , 2020, 54, 435-455.	1.7	7
23	Soil Properties and Microbial Diversity at the Frontier of Laohugou Glacier Retreat in Qilian Mountains. <i>Current Microbiology</i> , 2020, 77, 425-433.	1.0	7
24	How do GPM and TRMM precipitation products perform in alpine regions?. <i>Journal of Chinese Geography</i> , 2022, 32, 913-931.	1.5	6
25	Arctic air mass triggered the extreme temperature events recorded in the Laohugou ice core from the northeastern Tibetan Plateau. <i>Atmospheric Research</i> , 2022, 265, 105909.	1.8	5
26	Review of pre-processing technologies for ice cores. <i>Journal of Mountain Science</i> , 2018, 15, 1950-1960.	0.8	2
27	The spatial downscaling of TRMM precipitation data for the middle part of the Chinese Tianshan Mountains. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	0.6	2
28	Evaluation of the Antarctic Mesoscale Prediction System based on snow accumulation observations over the Ross Ice Shelf. <i>Advances in Atmospheric Sciences</i> , 2017, 34, 587-598.	1.9	1
29	Assessment of MODIS Surface Temperature Products of Greenland Ice Sheet Using In-Situ Measurements. <i>Land</i> , 2022, 11, 593.	1.2	1