

Xiangbin Cui

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

232
citations

1163117

8
h-index

1058476

14
g-index

30
all docs

30
docs citations

30
times ranked

226
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of subglacial landscapes by a two-parameter roughness index. <i>Journal of Glaciology</i> , 2010, 56, 831-836.	2.2	36
2	Bed topography of Princess Elizabeth Land in East Antarctica. <i>Earth System Science Data</i> , 2020, 12, 2765-2774.	9.9	34
3	The First Fixed-wing Aircraft for Chinese Antarctic Expeditions: Airframe, modifications, Scientific Instrumentation and Applications. <i>Journal of Environmental and Engineering Geophysics</i> , 2018, 23, 1-13.	0.5	23
4	Surface mass balance and its climate significance from the coast to Dome A, East Antarctica. <i>Science China Earth Sciences</i> , 2015, 58, 1787-1797.	5.2	18
5	The internal COF features in Dome A of Antarctica revealed by multi-polarization-plane RES. <i>Applied Geophysics</i> , 2008, 5, 230-237.	0.6	15
6	The Scientific Operations of Snow Eagle 601 in Antarctica in the Past Five Austral Seasons. <i>Remote Sensing</i> , 2020, 12, 2994.	4.0	14
7	A comparative study of changes in the Lambert Glacier/Amery Ice Shelf system, East Antarctica, during 2004–2008 using gravity and surface elevation observations. <i>Journal of Glaciology</i> , 2016, 62, 888-904.	2.2	11
8	Summit of the East Antarctic Ice Sheet underlain by thick ice-crystal fabric layers linked to glacial–interglacial environmental change. <i>Geological Society Special Publication</i> , 2018, 461, 131-143.	1.3	11
9	Structure of the internal isochronous layers at Dome A, East Antarctica. <i>Science China Earth Sciences</i> , 2011, 54, 445-450.	5.2	8
10	Radar-Derived Internal Structure and Basal Roughness Characterization along a Traverse from Zhongshan Station to Dome A, East Antarctica. <i>Remote Sensing</i> , 2020, 12, 1079.	4.0	8
11	A new detailed ice thickness and subglacial topography DEM for Dome A, East Antarctica. <i>Polar Science</i> , 2015, 9, 354-358.	1.2	7
12	The conditions of the formation and existence of “Blue Ice Areas” in the ice flow transition region from the Antarctic ice sheet to the Amery Ice Shelf in the Larsemann Hills area. <i>Polar Science</i> , 2019, 22, 100478.	1.2	7
13	Removal of “strip noise” in radio-echo sounding data using combined wavelet and 2-D DFT filtering. <i>Annals of Glaciology</i> , 2020, 61, 124-134.	1.4	7
14	Bathymetry Beneath the Amery Ice Shelf, East Antarctica, Revealed by Airborne Gravity. <i>Geophysical Research Letters</i> , 2021, 48, .	4.0	6
15	GIS-Supported Airfield Selection near Zhongshan Station, East Antarctica, based on Multi-Mission Remote Sensing Data. <i>Marine Geodesy</i> , 2019, 42, 422-446.	2.0	4
16	Spatio-temporal variability of past accumulation rates inferred from isochronous layers at Dome A, East Antarctica. <i>Annals of Glaciology</i> , 2016, 57, 87-93.	1.4	3
17	A self-adaptive two-parameter method for characterizing roughness of multi-scale subglacial topography. <i>Journal of Glaciology</i> , 2021, 67, 560-568.	2.2	3
18	Inversion of Geothermal Heat Flux under the Ice Sheet of Princess Elizabeth Land, East Antarctica. <i>Remote Sensing</i> , 2021, 13, 2760.	4.0	3

#	ARTICLE	IF	CITATIONS
19	A Novel Range Processing Method of Surface-Based FMCW Ice-Sounding Radar for Accurately Mapping the Internal Reflecting Horizons in Antarctica. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 3633-3643.	4.9	2
20	Historical surface mass balance from a frequency-modulated continuous-wave (FMCW) radar survey from Zhongshan station to Dome A. Journal of Glaciology, 2020, 66, 965-977.	2.2	2
21	The effect of the second-order ionospheric term on GPS positioning in Antarctica. Arctic, Antarctic, and Alpine Research, 2020, 52, 210-221.	1.1	2
22	Shallow-Layers-Detection Ice Sounding Radar for Mapping of Polar Ice Sheets. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	6.3	2
23	ON-SITE DATA-PROCESSING ALGORITHM AND OPTIMIZATION FOR AIRBORNE ICE SOUNDING RADAR CONFIGURED ON THE "SNOW EAGLE 601". International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2021, 449-453.	0.2	2
24	PRELIMINARY LONG-PERIOD MAGNETOTELLURIC INVESTIGATION AT THE EDGE OF ICE SHEET IN EAST ANTARCTICA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2020, 875-880.	0.2	2
25	Attention Multi-Scale Network for Automatic Layer Extraction of Ice Radar Topological Sequences. Remote Sensing, 2021, 13, 2425.	4.0	0
26	Analysis of Temporal and Spatial Variability of Fronts on the Amery Ice Shelf Automatically Detected Using Sentinel-1 SAR Data. Remote Sensing, 2021, 13, 3528.	4.0	0
27	FIELD OPERATIONS AND PROGRESS OF CHINESE AIRBORNE SURVEY IN EAST ANTARCTICA THROUGH THE "SNOW EAGLE 601". International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2020, 869-873.	0.2	0