

Xiangbin Cui

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4440075/publications.pdf>

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 | 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 |
| 2 | A self-adaptive two-parameter method for characterizing roughness of multi-scale subglacial topography. Journal of Glaciology, 2021, 67, 560-568. | 2.2 | 3 |
| 3 | Attention Multi-Scale Network for Automatic Layer Extraction of Ice Radar Topological Sequences. Remote Sensing, 2021, 13, 2425. | 4.0 | 0 |
| 4 | Inversion of Geothermal Heat Flux under the Ice Sheet of Princess Elizabeth Land, East Antarctica. Remote Sensing, 2021, 13, 2760. | 4.0 | 3 |
| 5 | 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 |
| 6 | Bathymetry Beneath the Amery Ice Shelf, East Antarctica, Revealed by Airborne Gravity. Geophysical Research Letters, 2021, 48, . | 4.0 | 6 |
| 7 | Removal of "strip noise"™ in radio-echo sounding data using combined wavelet and 2-D DFT filtering. Annals of Glaciology, 2020, 61, 124-134. | 1.4 | 7 |
| 8 | 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 |
| 9 | 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 |
| 10 | The Scientific Operations of Snow Eagle 601 in Antarctica in the Past Five Austral Seasons. Remote Sensing, 2020, 12, 2994. | 4.0 | 14 |
| 11 | Radar-Derived Internal Structure and Basal Roughness Characterization along a Traverse from Zhongshan Station to Dome A, East Antarctica. Remote Sensing, 2020, 12, 1079. | 4.0 | 8 |
| 12 | 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 |
| 13 | Bed topography of Princess Elizabeth Land in East Antarctica. Earth System Science Data, 2020, 12, 2765-2774. | 9.9 | 34 |
| 14 | GIS-Supported Airfield Selection near Zhongshan Station, East Antarctica, based on Multi-Mission Remote Sensing Data. Marine Geodesy, 2019, 42, 422-446. | 2.0 | 4 |
| 15 | 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. Polar Science, 2019, 22, 100478. | 1.2 | 7 |
| 16 | Summit of the East Antarctic Ice Sheet underlain by thick ice-crystal fabric layers linked to glacial"interglacial environmental change. Geological Society Special Publication, 2018, 461, 131-143. | 1.3 | 11 |
| 17 | The First Fixed-wing Aircraft for Chinese Antarctic Expeditions: Airframe, modifications, Scientific Instrumentation and Applications. Journal of Environmental and Engineering Geophysics, 2018, 23, 1-13. | 0.5 | 23 |
| 18 | Spatio-temporal variability of past accumulation rates inferred from isochronous layers at Dome A, East Antarctica. Annals of Glaciology, 2016, 57, 87-93. | 1.4 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | Structure of the internal isochronous layers at Dome A, East Antarctica. <i>Science China Earth Sciences</i> , 2011, 54, 445-450. | 5.2 | 8 |
| 23 | Characterization of subglacial landscapes by a two-parameter roughness index. <i>Journal of Glaciology</i> , 2010, 56, 831-836. | 2.2 | 36 |
| 24 | 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 |
| 25 | ON-SITE DATA-PROCESSING ALGORITHM AND OPTIMIZATION FOR AIRBORNE ICE SOUNDING RADAR CONFIGURED ON THE “SNOW EAGLE 601”. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLIII-B3-2021, 449-453. | 0.2 | 2 |
| 26 | PRELIMINARY LONG-PERIOD MAGNETOTELLURIC INVESTIGATION AT THE EDGE OF ICE SHEET IN EAST ANTARCTICA. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLIII-B3-2020, 875-880. | 0.2 | 2 |
| 27 | FIELD OPERATIONS AND PROGRESS OF CHINESE AIRBORNE SURVEY IN EAST ANTARCTICA THROUGH THE “SNOW EAGLE 601”. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLIII-B3-2020, 869-873. | 0.2 | 0 |