Chang-qing Ke

List of Publications by Year
in descending order

58	1,147	516710 16	414414 32
papers	citations	h-index	g-index

61	61	61	1392
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Response of Tibetan Plateau lakes to climate change: Trends, patterns, and mechanisms. Earth-Science Reviews, 2020, 208, 103269.	9.1	259
2	Analyzing coastal wetland change in the Yancheng National Nature Reserve, China. Regional Environmental Change, 2011, 11, 161-173.	2.9	70
3	Variations of Lake Ice Phenology on the Tibetan Plateau From 2001 to 2017 Based on MODIS Data. Journal of Geophysical Research D: Atmospheres, 2019, 124, 825-843.	3.3	70
4	Monitoring ice variations in Qinghai Lake from 1979 to 2016 using passive microwave remote sensing data. Science of the Total Environment, 2017, 607-608, 120-131.	8.0	67
5	Developing Daily Cloud-Free Snow Composite Products From MODIS Terraâ€“Aqua and IMS for the Tibetan Plateau. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 2171-2180.	6.3	66
6	Variability in snow cover phenology in China from 1952 to 2010. Hydrology and Earth System Sciences, 2016, 20, 755-770.	4.9	45
7	Variability in the ice phenology of Nam Co Lake in central Tibet from scanning multichannel microwave radiometer and special sensor microwave/imager: 1978 to 2013. Journal of Applied Remote Sensing, 2013, 7, 073477.	1.3	38
8	Object-based detection of Arctic sea ice and melt ponds using high spatial resolution aerial photographs. Cold Regions Science and Technology, 2015, 119, 211-222.	3.5	33
9	Sea Ice Classification Using Cryosat-2 Altimeter Data by Optimal Classifierâ€“Feature Assembly. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1948-1952.	3.1	31
10	Reducing the Discrepancy Between ASTER and MODIS Land Surface Temperature Products. Sensors, 2007, 7, 3043-3057.	3.8	30
11	Snow Cover Variations and Controlling Factors at Upper Heihe River Basin, Northwestern China. Remote Sensing, 2015, 7, 6741-6762.	4.0	30
12	Assessing water storage changes of Lake Poyang from multi-mission satellite data and hydrological models. Journal of Hydrology, 2020, 590, 125229.	5.4	27
13	Snowfall trends and variability in Qinghai, China. Theoretical and Applied Climatology, 2009, 98, 251-258.	2.8	26
14	Water-volume variations of Lake Hulun estimated from serial Jason altimeters and Landsat TM/ETM+ images from 2002 to 2017. International Journal of Remote Sensing, 2019, 40, 670-692.	2.9	22
15	Assessing trend and variation of Arctic sea-ice extent during 1979â€“2012 from a latitude perspective of ice edge. Polar Research, 2014, 33, 21249.	1.6	21
16	Glacier velocity measurements in the eastern Yigong Zangbo basin, Tibet, China. Journal of Glaciology, 2013, 59, 1060-1068.	2.2	17
17	Spatial and temporal variations of snow cover in the Loess Plateau, China. International Journal of Climatology, 2015, 35, 1721-1731.	3.5	17
18	Monitoring urban land surface deformation (2004â€“2010) from InSAR, groundwater and levelling data: A case study of Changzhou city, China. Journal of Earth System Science, 2019, 128, 1.	1.3	15

#	Article	IF	Citations
19	Surface deformation monitoring of Shanghai based on ENVISAT ASAR and Sentinel-1A data. Environmental Earth Sciences, 2019, 78, 1.	2.7	15
20	Surface velocity estimations of ice shelves in the northern Antarctic Peninsula derived from MODIS data. Journal of Chinese Geography, 2016, 26, 243-256.	3.9	13
21	Summer albedo variations in the Arctic Sea ice region from 1982 to 2015. International Journal of Climatology, 2020, 40, 3008-3020.	3.5	13
22	Aerial observations of sea ice and melt ponds near the North Pole during CHINARE2010. Acta Oceanologica Sinica, 2017, 36, 64-72.	1.0	12
23	Discrimination of different sea ice types from CryoSat-2 satellite data using an Object-based Random Forest (ORF). Marine Geodesy, 2020, 43, 213-233.	2.0	12
24	Variations in water level, area and volume of Hongze Lake, China from 2003 to 2018. Journal of Great Lakes Research, 2020, 46, 1511-1520.	1.9	12
25	Monitoring land deformation in Changzhou city (China) with multi-band InSAR data sets from 2006 to 2012. International Journal of Remote Sensing, 2018, 39, 1151-1174.	2.9	11
26	Estimation of Lake Outflow from the Poorly Gauged Lake Tana (Ethiopia) Using Satellite Remote Sensing Data. Remote Sensing, 2018, 10, 1060.	4.0	11
27	Identification of Alpine Glaciers in the Central Himalayas Using Fully Polarimetric L-Band SAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 691-703.	6.3	11
28	MODIS-observed variations of lake ice phenology in Xinjiang, China. Climatic Change, 2020, 158, 575-592.	3.6	10
29	A deep learning approach to retrieve cold-season snow depth over Arctic sea ice from AMSR2 measurements. Remote Sensing of Environment, 2022, 269, 112840.	11.0	10
30	Mapping the elevation change of Lambert Glacier in East Antarctica using ICESat GLAS. Journal of Maps, 2012, 8, 473-477.	2.0	9
31	Assessment of Arctic Sea Ice Thickness Estimates From ICESat-2 Using IceBird Airborne Measurements. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 3764-3775.	6.3	9
32	Monitoring glacier surges in the Kongur Tagh area of the Tibetan Plateau using Sentinel-1 SAR data. Geomorphology, 2021, 390, 107869.	2.6	9
33	A New Retracking Algorithm for Retrieving Sea Ice Freeboard from CryoSat-2 Radar Altimeter Data during Winterâ€“Spring Transition. Remote Sensing, 2019, 11, 1194.	4.0	8
34	Analysis of spatiotemporal snow cover variations in Northeast China based on moderate-resolution-imaging spectroradiometer data. Journal of Applied Remote Sensing, 2014, 8, 084695.	1.3	7
35	Winter sea ice albedo variations in the Bohai Sea of China. Acta Oceanologica Sinica, 2017, 36, 56-63.	1.0	7
36	The Impact of Summer Arctic Cyclones on Chlorophyll-a Concentration and Sea Surface Temperature in the Kara Sea. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1396-1408.	4.9	7

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37	Arctic sea ice thickness retrievals from CryoSat-2: seasonal and interannual comparisons of three different products. International Journal of Remote Sensing, 2020, 41, 152-170.	2.9	7
38	Investigation of the Arctic Sea ice volume from 2002 to 2018 using multiâ€source data. International Journal of Climatology, 2021, 41, 2509-2527.	3.5	7
39	What caused the spatial heterogeneity of lake ice phenology changes on the Tibetan Plateau?. Science of the Total Environment, 2022, 836, 155517.	8.0	7
40	Spatial-temporal variations in net primary productivity in the Arctic from 2003 to 2016. Acta Oceanologica Sinica, 2019, 38, 111-121.	1.0	6
41	A 41-year (1979â€“2019) passive-microwave-derived lake ice phenology data record of the Northern Hemisphere. Earth System Science Data, 2022, 14, 3329-3347.	9.9	6
42	Satelliteâ€derived estimations of spatial and seasonal variation in tropospheric carbon dioxide mass over China. Ecology and Evolution, 2013, 3, 4310-4325.	1.9	5
43	A comparison of Arctic sea ice freeboard products from Sentinel-3A and CryoSat-2 data. International Journal of Remote Sensing, 2020, 41, 2789-2806.	2.9	5
44	Evaluation of Ice, Cloud, And Land Elevation Satellite-2 (ICESat-2) land ice surface heights using Airborne Topographic Mapper (ATM) data in Antarctica. International Journal of Remote Sensing, 2021, 42, 2556-2573.	2.9	5
45	A new Greenland digital elevation model derived from ICESat-2 during 2018â€“2019. Earth System Science Data, 2022, 14, 781-794.	9.9	4
46	Sea ice albedo variability and trend in the Chukchi Sea based on Advanced Very High Resolution Radiometer, 1981 to 2012. Journal of Applied Remote Sensing, 2014, 8, 083688.	1.3	3
47	Relationship between Winter Precipitation in Barentsâ€“Kara Seas and Septemberâ€“October Eastern Siberian Sea Ice Anomalies. Applied Sciences (Switzerland), 2019, 9, 1091.	2.5	3
48	A new digital elevation model (DEM) dataset of the entire Antarctic continent derived from ICESat-2. Earth System Science Data, 2022, 14, 3075-3089.	9.9	3
49	Snow cover variations in Gansu, China, from 2002 to 2013. Theoretical and Applied Climatology, 2015, 122, 487-496.	2.8	2
50	Assessment and adjustment of sea surface salinity products from Aquarius in the southeast Indian Ocean based on in situ measurement and MyOcean modeled data. Acta Oceanologica Sinica, 2016, 35, 54-62.	1.0	2
51	Variations in the extent and elevation of the Larsen A and B ice shelves, Antarctica, derived from multiple datasets. Journal of Applied Remote Sensing, 2018, 12, 1.	1.3	2
52	An improved optical flow method to estimate Arctic sea ice velocity (winter 2014â€“2016). Acta Oceanologica Sinica, 2021, 40, 148-160.	1.0	2
53	An automated method for the detection of emperor penguin colonies from Landsat 8 imagery. Remote Sensing Letters, 2017, 8, 596-605.	1.4	1
54	Thinner Sea Ice Contribution to the Remarkable Polynya Formation North of Greenland in August 2018. Advances in Atmospheric Sciences, 2021, 38, 1474-1485.	4.3	1

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55	The Roles of Sea Ice Export, Atmospheric and Oceanic Factors in the Seasonal and Regional Variability of Arctic Sea Ice during 1979â€“2020. Remote Sensing, 2022, 14, 904.	4.0	1
56	The Potential of Sentinel-1A Data for Identification of Debris-Covered Alpine Glacier Based on Machine Learning Approach. Remote Sensing, 2022, 14, 1980.	4.0	1
57	Identification of Unstable Glacier Flow in the Western Tibetan Plateau and Karakoram Using Machine Learning. Journal of Geophysical Research F: Earth Surface, 0, , .	2.8	0
58	Spatiotemporal heterogeneity and driving mechanisms of Himalayan glacier mass change in the early 21st century. Journal of Applied Remote Sensing, 2022, 16, .	1.3	0