Xiang Qin

List of Publications by Year
in descending order

47 papers	905 citations	471061 17 h-index	500791 28 g-index
47 all docs	47 docs citations	47 times ranked	908 citing authors

#	Article	IF	Citations
1	Glacier variations and climate change in the central Himalaya over the past few decades. Annals of Glaciology, 2006, 43, 218-222.	2.8	81
2	New insights into trace elements deposition in the snow packs at remote alpine glaciers in the northern Tibetan Plateau, China. Science of the Total Environment, 2015, 529, 101-113.	3.9	67
3	Concentration, sources and light absorption characteristics of dissolved organic carbon on a medium-sized valley glacier, northern Tibetan Plateau. Cryosphere, 2016, 10, 2611-2621.	1.5	65
4	Characteristics and Changes in Air Temperature and Glacierâ€™s Response on the North Slope of Mt. Qomolangma (Mt. Everest). Arctic, Antarctic, and Alpine Research, 2011, 43, 147-160.	0.4	55
5	Provenance of cryoconite deposited on the glaciers of the Tibetan Plateau: New insights from Ndâ€Sr isotopic composition and size distribution. Journal of Geophysical Research D: Atmospheres, 2016, 121, 7371-7382.	1.2	46
6	Ablation modeling and surface energy budget in the ablation zone of Laohugou glacier No. 12, western Qilian mountains, China. Annals of Glaciology, 2014, 55, 111-120.	2.8	45
7	The Surface Energy Budget in the Accumulation Zone of the Laohugou Glacier No. 12 in the Western Qilian Mountains, China, in Summer 2009. Arctic, Antarctic, and Alpine Research, 2012, 44, 296-305.	0.4	39
8	The response of surface mass and energy balance of a continental glacier to climate variability, western Qilian Mountains, China. Climate Dynamics, 2018, 50, 3557-3570.	1.7	33
9	Temperature and methane records over the last 2 ka in Dasuopu ice core. Science in China Series D: Earth Sciences, 2002, 45, 1068-1074.	0.9	31
10	Physicochemical impacts of dust particles on alpine glacier meltwater at the Laohugou Glacier basin in western Qilian Mountains, China. Science of the Total Environment, 2014, 493, 930-942.	3.9	28
11	Observed and modelled ice temperature and velocity along the main flowline of East Rongbuk Glacier, Qomolangma (Mount Everest), Himalaya. Journal of Glaciology, 2013, 59, 438-448.	1.1	26
12	Variability in individual particle structure and mixing states between the glacierâ€“snowpack and atmosphere in the northeastern Tibetan Plateau. Cryosphere, 2018, 12, 3877-3890.	1.5	26
13	Dissolved organic carbon fractionation accelerates glacier-melting: A case study in the northern Tibetan Plateau. Science of the Total Environment, 2018, 627, 579-585.	3.9	23
14	Potential Effect of Black Carbon on Glacier Mass Balance during the Past 55 Years of Laohugou Glacier No. 12, Western Qilian Mountains. Journal of Earth Science (Wuhan, China), 2020, 31, 410-418.	1.1	23
15	Spatial variation of stable isotopes in different waters during melt season in the Laohugou Glacial Catchment, Shule River basin. Journal of Mountain Science, 2016, 13, 1453-1463.	0.8	20
16	Temporal and diurnal analysis of trace elements in the Cryospheric water at remote Laohugou basin in northeast Tibetan Plateau. Chemosphere, 2017, 171, 386-398.	4.2	19
17	Effects of clouds on surface melting of Laohugou glacier No. 12, western Qilian Mountains, China. Journal of Glaciology, 2018, 64, 89-99.	1.1	18
18	Variations of Laohugou Glacier No. 12 in the western Qilian Mountains, China, from 1957 to 2015. Journal of Mountain Science, 2018, 15, 25-32.	0.8	18

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19	Glacier velocity measurements in the eastern Yigong Zangbo basin, Tibet, China. Journal of Glaciology, 2013, 59, 1060-1068.	1.1	17
20	Glacier meltwater runoff process analysis using ÎD and Î18O isotope and chemistry at the remote Laohugou glacier basin in western Qilian Mountains, China. Journal of Chinese Geography, 2016, 26, 722-734.	1.5	16
21	Quantifying the impact of landscape changes on hydrological variables in the alpine and cold region using hydrological model and remote sensing data. Hydrological Processes, 2021, 35, e14392.	1.1	16
22	Hydrological characteristics of the Rongbuk Glacier catchment in Mt. Qomolangma region in the central Himalayas, China. Journal of Mountain Science, 2010, 7, 146-156.	0.8	15
23	A 47-year high resolution chemistry record of atmospheric environment change from the Laohugou Glacier No. 12, north slope of Qilian Mountains, China. Quaternary International, 2013, 313-314, 137-146.	0.7	15
24	Effect of Data Assimilation Using WRF-3DVAR for Heavy Rain Prediction on the Northeastern Edge of the Tibetan Plateau. Advances in Meteorology, 2015, 2015, 1-14.	0.6	15
25	Monsoon Clouds Control the Summer Surface Energy Balance on East Rongbuk Glacier (6,523Âm Above) Tj ETQq1 1 0.784314 rgBT / Atmospheres, 2021, 126, e2020JD033998.	1.2	14
26	Black carbon and dust in the Third Pole glaciers: Revaluated concentrations, mass absorption cross-sections and contributions to glacier ablation. Science of the Total Environment, 2021, 789, 147746.	3.9	14
27	Chemical characteristics and environmental records of a snow-pit at the Glacier No. 12 in the Laohugou Valley, Qilian Mountains. Journal of Earth Science (Wuhan, China), 2014, 25, 379-385.	1.1	12
28	Can summer monsoon moisture invade the Jade Pass in Northwestern China?. Climate Dynamics, 2020, 55, 3101-3115.	1.7	11
29	Variations of the alpine precipitation from an ice core record of the Laohugou glacier basin during 1960â€“2006 in western Qilian Mountains, China. Journal of Chinese Geography, 2015, 25, 165-176.	1.5	10
30	Modeling regional and local-scale permafrost distribution in Qinghai-Tibet Plateau using equivalent-elevation method. Chinese Geographical Science, 2012, 22, 278-287.	1.2	9
31	Preliminary Study on Effects of Glacial Retreat on the Dominant Glacial Snow Bacteria in Laohugou Glacier No. 12. Geomicrobiology Journal, 2015, 32, 113-118.	1.0	9
32	Eight-year analysis of radiative properties of clouds and its impact on melting on the Laohugou Glacier No. 12, western Qilian Mountains. Atmospheric Research, 2021, 250, 105410.	1.8	8
33	Meteorological features at 6523 m of Mt. Qomolangma (Everest) between 1 May and 22 July 2005. Journal of Mountain Science, 2006, 3, 181-190.	0.8	7
34	Pressure and temperature feasibility of NCEP/NCAR reanalysis data at Mt. Everest. Journal of Mountain Science, 2008, 5, 32-37.	0.8	7
35	Variations in annual accumulation recorded in a Laohugou ice core from the northeastern Tibetan Plateau and their relationship with atmospheric circulation. Environmental Earth Sciences, 2016, 75, 1.	1.3	7
36	Estimation of Shortwave Solar Radiation on Clear-Sky Days for a Valley Glacier with Sentinel-2 Time Series. Remote Sensing, 2020, 12, 927.	1.8	7

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37	Feasibility comparison of reanalysis data from NCEP-I and NCEP-II in the Himalayas. Journal of Mountain Science, 2009, 6, 56-65.	0.8	5
38	The effect of decreasing permafrost stability on ecosystem carbon in the northeastern margin of the Qinghaiâ€“Tibet Plateau. Scientific Reports, 2018, 8, 4172.	1.6	5
39	Simulation of Runoff and Glacier Mass Balance and Sensitivity Analysis in a Glacierized Basin, North-Eastern Qinhai-Tibetan Plateau, China. Water (Switzerland), 2018, 10, 1259.	1.2	5
40	Observational Study of Surface Wind Regime on the North Slope of Mount Qomolangma (Mount) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.4	4
41	Stream temperature dynamics in Nam Co basin, southern Tibetan Plateau. Journal of Mountain Science, 2017, 14, 2458-2470.	0.8	4
42	Changes in the Surface Elevation of the Laohugou Glacier No. 12 in Western Qilian Mountains. Frontiers in Earth Science, 2022, 10, .	0.8	4
43	Review of pre-processing technologies for ice cores. Journal of Mountain Science, 2018, 15, 1950-1960.	0.8	2
44	Dynamic Monitoring of Laohugou Glacier No. 12 with a Drone, West Qilian Mountains, West China. Remote Sensing, 2022, 14, 3315.	1.8	2
45	Chemical characteristics of four kinds of water in the rongbuk glacier basin, Mount Qomolangma. Chinese Geographical Science, 1999, 9, 274-278.	1.2	1
46	Spatial distribution of marine chemicals along a transect from Zhongshan Station to the Grove Mountain area, Eastern Antarctica. Science China Earth Sciences, 2014, 57, 2366-2373.	2.3	1
47	Albedo Parametrizations for the Laohugou Glacier No.12 in the Qilian Mountainsâ€”Previous Models and an Alternative Approach. Frontiers in Earth Science, 2022, 9, .	0.8	0