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## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

97  
papers

3,102  
citations

29  
h-index

52  
g-index

100  
ext. papers

3,655  
ext. citations

3.7  
avg, IF

5.13  
L-index

#	Paper	IF	Citations
97	Globally elevated chemical weathering rates beneath glaciers.. <i>Nature Communications</i> , <b>2022</b> , 13, 407	17.4	1
96	Effects of plateau pikas' foraging and burrowing activities on vegetation biomass and soil organic carbon of alpine grasslands. <i>Plant and Soil</i> , <b>2021</b> , 458, 201-216	4.2	8
95	Climate-driven acceleration of glacier mass loss on global and regional scales during 1961-2016. <i>Science China Earth Sciences</i> , <b>2021</b> , 64, 589-599	4.6	1
94	Increasing cryospheric hazards in a warming climate. <i>Earth-Science Reviews</i> , <b>2021</b> , 213, 103500	10.2	28
93	Streamflow generation in semi-arid, glacier-covered, montane catchments in the upper Shule River, Qilian Mountains, northeastern Tibetan plateau. <i>Hydrological Processes</i> , <b>2021</b> , 35, e14276	3.3	2
92	The variation of precipitation and rain days for different intensity classes during the rainy season in the Qilian Mountains, Northwest China. <i>Theoretical and Applied Climatology</i> , <b>2021</b> , 144, 163-178	3	0
91	Seasonal and interannual changes of river chemistry in the source region of Yellow River, Tibetan Plateau. <i>Applied Geochemistry</i> , <b>2020</b> , 119, 104638	3.5	8
90	Models and measurements of seven years of evapotranspiration on a high elevation site on the Central Tibetan Plateau. <i>Journal of Mountain Science</i> , <b>2020</b> , 17, 3039-3053	2.1	1
89	Modeling soil organic carbon spatial distribution for a complex terrain based on geographically weighted regression in the eastern Qinghai-Tibetan Plateau. <i>Catena</i> , <b>2020</b> , 187, 104399	5.8	15
88	Modeling the carbon dynamics of alpine grassland in the Qinghai-Tibetan Plateau under scenarios of 1.5 and 2 °C global warming. <i>Advances in Climate Change Research</i> , <b>2019</b> , 10, 80-91	4.1	9
87	Seasonal changes in labile organic matter as a function of environmental factors in a relict permafrost region on the Qinghai-Tibetan Plateau. <i>Catena</i> , <b>2019</b> , 180, 194-202	5.8	7
86	Role of permafrost in resilience of social-ecological system and its spatio-temporal dynamics in the source regions of Yangtze and Yellow Rivers. <i>Journal of Mountain Science</i> , <b>2019</b> , 16, 179-194	2.1	4
85	Intense Chemical Weathering at Glacial Meltwater-Dominated Hailuogou Basin in the Southeastern Tibetan Plateau. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 1209	3	8
84	Seasonal controls of meltwater runoff chemistry and chemical weathering at Urumqi Glacier No.1 in central Asia. <i>Hydrological Processes</i> , <b>2019</b> , 33, 3258-3281	3.3	9
83	Dissolved Iron Supply from Asian Glaciers: Local Controls and a Regional Perspective. <i>Global Biogeochemical Cycles</i> , <b>2019</b> , 33, 1223-1237	5.9	5
82	Regional differences in global glacier retreat from 1980 to 2015. <i>Advances in Climate Change Research</i> , <b>2019</b> , 10, 203-213	4.1	20
81	Similarities and improvements of GPM IMERG upon TRMM 3B42 precipitation product under complex topographic and climatic conditions over Hexi region, Northeastern Tibetan Plateau. <i>Atmospheric Research</i> , <b>2019</b> , 218, 347-363	5.4	43

80	Quantification of spatial temporal variability of snow cover and hydro-climatic variables based on multi-source remote sensing data in the Swat watershed, Hindukush Mountains, Pakistan. <i>Meteorology and Atmospheric Physics</i> , <b>2019</b> , 131, 467-486	2	9
79	Influence of land cover on riverine dissolved organic carbon concentrations and export in the Three Rivers Headwater Region of the Qinghai-Tibetan Plateau. <i>Science of the Total Environment</i> , <b>2018</b> , 630, 314-322	10.2	17
78	Performance evaluation of latest integrated multi-satellite retrievals for Global Precipitation Measurement (IMERG) over the northern highlands of Pakistan. <i>Atmospheric Research</i> , <b>2018</b> , 205, 134-146	5.4	79
77	Soil organic carbon and total nitrogen pools in permafrost zones of the Qinghai-Tibetan Plateau. <i>Scientific Reports</i> , <b>2018</b> , 8, 3656	4.9	31
76	Validation of TRMM 3B42V7 Rainfall Product under Complex Topographic and Climatic Conditions over Hexi Region in the Northwest Arid Region of China. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 1006	3	8
75	Effects of permafrost thaw-subsidence on soil bacterial communities in the southern Qinghai-Tibetan Plateau. <i>Applied Soil Ecology</i> , <b>2018</b> , 128, 81-88	5	20
74	Importance of Mountain Glaciers as a Source of Dissolved Organic Carbon. <i>Journal of Geophysical Research F: Earth Surface</i> , <b>2018</b> , 123, 2123-2134	3.8	27
73	Remote estimation of terrestrial evapotranspiration by Landsat 5 TM and the SEBAL model in cold and high-altitude regions: a case study of the upper reach of the Shule River Basin, China. <i>Hydrological Processes</i> , <b>2017</b> , 31, 514-524	3.3	19
72	The importance of aspect for modelling the hydrological response in a glacier catchment in Central Asia. <i>Hydrological Processes</i> , <b>2017</b> , 31, 2842-2859	3.3	29
71	Methodological comparison of alpine meadow evapotranspiration on the Tibetan Plateau, China. <i>PLoS ONE</i> , <b>2017</b> , 12, e0189059	3.7	6
70	Quick Release of Internal Water Storage in a Glacier Leads to Underestimation of the Hazard Potential of Glacial Lake Outburst Floods From Lake Merzbacher in Central Tian Shan Mountains. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 9786-9795	4.9	8
69	A conceptual model of the controlling factors of soil organic carbon and nitrogen densities in a permafrost-affected region on the eastern Qinghai-Tibetan Plateau. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2017</b> , 122, 1705-1717	3.7	47
68	Seasonal variations of organic carbon and nitrogen in the upper basins of Yangtze and Yellow Rivers. <i>Journal of Mountain Science</i> , <b>2017</b> , 14, 1577-1590	2.1	7
67	Defining Runoff Indices and Analyzing Their Relationships with Associated Precipitation and Temperature Indices for Upper River Basins in the Northwest Arid Region of China. <i>Water (Switzerland)</i> , <b>2017</b> , 9, 618	3	4
66	Diurnal dynamics of minor and trace elements in stream water draining Dongkemadi Glacier on the Tibetan Plateau and its environmental implications. <i>Journal of Hydrology</i> , <b>2016</b> , 541, 1104-1118	6	20
65	The role of permafrost and soil water in distribution of alpine grassland and its NDVI dynamics on the Qinghai-Tibetan Plateau. <i>Global and Planetary Change</i> , <b>2016</b> , 147, 40-53	4.2	42
64	Environmental controls on soil organic carbon and nitrogen stocks in the high-altitude arid western Qinghai-Tibetan Plateau permafrost region. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2016</b> , 121, 176-187	3.7	57
63	Impacts of snow disaster on meat production and adaptation: an empirical analysis in the yellow river source region. <i>Sustainability Science</i> , <b>2016</b> , 11, 249-260	6.4	9

62	Evaluation of High-Resolution Satellite-Based Real-Time and Post-Real-Time Precipitation Estimates during 2010 Extreme Flood Event in Swat River Basin, Hindukush Region. <i>Advances in Meteorology</i> , <b>2016</b> , 2016, 1-8	1.7	28
61	A New Hybrid Forecasting Approach Applied to Hydrological Data: A Case Study on Precipitation in Northwestern China. <i>Water (Switzerland)</i> , <b>2016</b> , 8, 367	3	17
60	Characterizing the May 2015 Karayaylak Glacier surge in the eastern Pamir Plateau using remote sensing. <i>Journal of Glaciology</i> , <b>2016</b> , 62, 944-953	3.4	35
59	Spatial variation of stable isotopes in different waters during melt season in the Laohugou Glacial Catchment, Shule River basin. <i>Journal of Mountain Science</i> , <b>2016</b> , 13, 1453-1463	2.1	13
58	Comparison of two successive versions 6 and 7 of TMPA satellite precipitation products with rain gauge data over Swat Watershed, Hindukush Mountains, Pakistan. <i>Atmospheric Science Letters</i> , <b>2016</b> , 17, 270-279	2.4	18
57	Detection of precipitation variability based on entropy over nearly 50 years in Xinjiang, northwestern China. <i>Theoretical and Applied Climatology</i> , <b>2015</b> , 122, 609-618	3	7
56	Regimes of runoff components on the debris-covered Koxkar glacier in western China. <i>Journal of Mountain Science</i> , <b>2015</b> , 12, 313-329	2.1	5
55	Impact of atmospheric convection on south Tibet summer precipitation isotopologue composition using a combination of in situ measurements, satellite data, and atmospheric general circulation modeling. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 3852-3871	4.4	43
54	Responses of Alpine Grassland to Climate Warming and Permafrost Thawing in Two Basins with Different Precipitation Regimes on the Qinghai-Tibetan Plateaus. <i>Arctic, Antarctic, and Alpine Research</i> , <b>2015</b> , 47, 125-131	1.8	27
53	An 80-year summer temperature history from the Xiao Dongkemadi ice core in the central Tibetan Plateau and its association with atmospheric circulation. <i>Journal of Asian Earth Sciences</i> , <b>2015</b> , 98, 285-295 <sup>2,8</sup>	2.8	13
52	Noah Modelling of the Permafrost Distribution and Characteristics in the West Kunlun Area, Qinghai-Tibet Plateau, China. <i>Permafrost and Periglacial Processes</i> , <b>2015</b> , 26, 160-174	4.2	23
51	Inter-Calibrating SMMR, SSM/I and SSMI/S Data to Improve the Consistency of Snow-Depth Products in China. <i>Remote Sensing</i> , <b>2015</b> , 7, 7212-7230	5	70
50	Spatial coherence of variations in seasonal extreme precipitation events over Northwest Arid Region, China. <i>International Journal of Climatology</i> , <b>2015</b> , 35, 4642-4654	3.5	11
49	The impact of surface energy exchange on the thawing process of active layer over the northern Qinghai-Tibet Plateau, China. <i>Environmental Earth Sciences</i> , <b>2014</b> , 72, 2091-2099	2.9	13
48	Glacier changes in the Koshi River basin, central Himalaya, from 1976 to 2009, derived from remote-sensing imagery. <i>Annals of Glaciology</i> , <b>2014</b> , 55, 61-68	2.5	22
47	Mineralisation and Changes in the Fractions of Soil Organic Matter in Soils of the Permafrost Region, Qinghai-Tibet Plateau, China. <i>Permafrost and Periglacial Processes</i> , <b>2014</b> , 25, 35-44	4.2	24
46	Responses of alpine grassland on Qinghai-Tibetan plateau to climate warming and permafrost degradation: a modeling perspective. <i>Environmental Research Letters</i> , <b>2014</b> , 9, 074014	6.2	47
45	Investigating soil thermodynamic parameters of the active layer on the northern Qinghai-Tibetan Plateau. <i>Environmental Earth Sciences</i> , <b>2014</b> , 71, 709-722	2.9	16

44	Understanding the impact of mountain landscapes on water balance in the upper Heihe River watershed in northwestern China. <i>Journal of Arid Land</i> , <b>2013</b> , 5, 366-383	2.2	22
43	Contributions of climate and human activities to changes in runoff of the Yellow and Yangtze rivers from 1950 to 2008. <i>Science China Earth Sciences</i> , <b>2013</b> , 56, 1398-1412	4.6	90
42	The hydrological linkage of mountains and plains in the arid region of northwest China. <i>Science Bulletin</i> , <b>2013</b> , 58, 3140-3147		7
41	Index for hazard of Glacier Lake Outburst flood of Lake Merzbacher by satellite-based monitoring of lake area and ice cover. <i>Global and Planetary Change</i> , <b>2013</b> , 107, 229-237	4.2	27
40	Temporal and spatial variations of global solar radiation over the Qinghai-Tibetan Plateau during the past 40 years. <i>Theoretical and Applied Climatology</i> , <b>2013</b> , 113, 573-583	3	11
39	Coupling a glacier melt model to the Variable Infiltration Capacity (VIC) model for hydrological modeling in north-western China. <i>Environmental Earth Sciences</i> , <b>2013</b> , 68, 87-101	2.9	54
38	Changes of glacial lakes and implications in Tian Shan, central Asia, based on remote sensing data from 1990 to 2010. <i>Environmental Research Letters</i> , <b>2013</b> , 8, 044052	6.2	82
37	Stable isotopes in precipitation in Xilin River Basin, northern China and their implications. <i>Chinese Geographical Science</i> , <b>2012</b> , 22, 531-540	2.9	11
36	Soil Organic Carbon and Its Relationship to Vegetation Communities and Soil Properties in Permafrost Areas of the Central Western Qinghai-Tibet Plateau, China. <i>Permafrost and Periglacial Processes</i> , <b>2012</b> , 23, 162-169	4.2	49
35	Active layer thickness variations on the Qinghai-Tibet Plateau under the scenarios of climate change. <i>Environmental Earth Sciences</i> , <b>2012</b> , 66, 849-857	2.9	37
34	Integrated modeling environment and a preliminary application on the Heihe River Basin, China. <i>Science China Technological Sciences</i> , <b>2011</b> , 54, 2145-2156	3.5	8
33	Initial estimate of the contribution of cryospheric change in China to sea level rise. <i>Science Bulletin</i> , <b>2011</b> , 56, 1661-1664		10
32	Changes in physical features of Glacier No. 1 of the Tianshan Mountains in response to climate change. <i>Science Bulletin</i> , <b>2011</b> , 56, 2820-2827		9
31	The impacts of permafrost change on NPP and implications: A case of the source regions of Yangtze and Yellow Rivers. <i>Journal of Mountain Science</i> , <b>2011</b> , 8, 437-447	2.1	14
30	Toward an improved data stewardship and service for environmental and ecological science data in West China. <i>International Journal of Digital Earth</i> , <b>2011</b> , 4, 347-359	3.9	37
29	Influence of Alpine Meadow Land Cover Differences on Precipitation-Runoff Processes on the Qinghai-Tibet Plateau, China. <i>Environmental Engineering Science</i> , <b>2010</b> , 27, 209-213	2	1
28	Changes in the elevation and extent of two glaciers along the Yanglonghe river, Qilian Shan, China. <i>Journal of Glaciology</i> , <b>2010</b> , 56, 309-317	3.4	33
27	Assessment of groundwater contamination by NO <sub>3</sub> using geographical information system in the Zhangye Basin, Northwest China. <i>Environmental Earth Sciences</i> , <b>2010</b> , 60, 809-816	2.9	13

26	Glacier changes during the last forty years in the Tarim Interior River basin, northwest China. <i>Progress in Natural Science: Materials International</i> , <b>2009</b> , 19, 727-732	3.6	71
25	Adaptation management of mountain tourism service: the case of the source regions of the Yangtze and Yellow River. <i>Journal of Mountain Science</i> , <b>2009</b> , 6, 299-310	2.1	3
24	The surface energy budget and evapotranspiration in the Tanggula region on the Tibetan Plateau. <i>Cold Regions Science and Technology</i> , <b>2008</b> , 52, 326-340	3.8	41
23	Thinning and retreat of Xiao Dongkemadi glacier, Tibetan Plateau, since 1993. <i>Journal of Glaciology</i> , <b>2008</b> , 54, 949-951	3.4	30
22	Progress on observation of cryospheric components and climate-related studies in China. <i>Advances in Atmospheric Sciences</i> , <b>2008</b> , 25, 164-180	2.9	16
21	Effects of bias correction on precipitation trend over China. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		28
20	Recent and Future Climate Change in Northwest China. <i>Climatic Change</i> , <b>2007</b> , 80, 379-393	4.5	608
19	Regional difference of annual precipitation and discharge variation over west China during the last 50 years. <i>Science in China Series D: Earth Sciences</i> , <b>2007</b> , 50, 936-945		19
18	Glacier changes in the west Kunlun Shan from 1970 to 2001 derived from Landsat TM/ETM+ and Chinese glacier inventory data. <i>Annals of Glaciology</i> , <b>2007</b> , 46, 204-208	2.5	47
17	Glacier meltwater and runoff modelling, Keqicar Baqi glacier, southwestern Tien Shan, China. <i>Journal of Glaciology</i> , <b>2007</b> , 53, 91-98	3.4	35
16	Seasonal variations of pH and electrical conductivity in a snow-firn pack on Glacier No. 1, eastern Tianshan, China. <i>Cold Regions Science and Technology</i> , <b>2007</b> , 48, 55-63	3.8	24
15	Energy balance of irrigated intercropping field in the middle reaches of Heihe River basin. <i>Chinese Geographical Science</i> , <b>2006</b> , 16, 243-248	2.9	4
14	Glacier retreat as a result of climate warming and increased precipitation in the Tarim river basin, northwest China. <i>Annals of Glaciology</i> , <b>2006</b> , 43, 91-96	2.5	95
13	Observed degree-day factors and their spatial variation on glaciers in western China. <i>Annals of Glaciology</i> , <b>2006</b> , 43, 301-306	2.5	94
12	Monitoring the glacier changes in the Muztag Ata and Konggur mountains, east Pamirs, based on Chinese Glacier Inventory and recent satellite imagery. <i>Annals of Glaciology</i> , <b>2006</b> , 43, 79-85	2.5	50
11	The retreat of glaciers in response to recent climate warming in western China. <i>Annals of Glaciology</i> , <b>2006</b> , 43, 97-105	2.5	121
10	Mass-balance characteristics of Hqj glacier No. 1, Tien Shan, China. <i>Annals of Glaciology</i> , <b>2006</b> , 43, 323-328	2.5	26
9	Glacier changes during the past century in the Gangrigabu mountains, southeast Qinghai-Xizang (Tibetan) Plateau, China. <i>Annals of Glaciology</i> , <b>2006</b> , 43, 187-193	2.5	33

8	Response of meltwater runoff to air-temperature fluctuations on Keqikaer glacier, south slope of Tuomuer mountain, western China. <i>Annals of Glaciology</i> , <b>2006</b> , 43, 275-279	2.5	9
7	Application of a degree-day model for the determination of contributions to glacier meltwater and runoff near Keqicar Baqi glacier, southwestern Tien Shan. <i>Annals of Glaciology</i> , <b>2006</b> , 43, 280-284	2.5	18
6	Impact of global warming on water resource in arid area of Northwest China. <i>Journal of Mountain Science</i> , <b>2005</b> , 2, 313-318	2.1	12
5	Evapotranspiration of low-lying prairie wetland in middle reaches of heihe river in northwest China. <i>Chinese Geographical Science</i> , <b>2005</b> , 15, 325-329	2.9	5
4	Fluctuations of the Semi-Arid Zone in China, and Consequences for Society. <i>Climatic Change</i> , <b>2005</b> , 72, 171-188	4.5	14
3	A Bias-Corrected Precipitation Climatology for China. <i>Journal of Hydrometeorology</i> , <b>2004</b> , 5, 1147-1160	3.7	104
2	Monitoring of frozen soil hydrology in macro-scale in the Qinghai-Xizang Plateau. <i>Science Bulletin</i> , <b>2000</b> , 45, 1143-1149		19
1	Response of the snowmelt and glacier runoff to the climate warming-up in the last 40 years in Xinjiang Autonomous Region, China. <i>Science in China Series D: Earth Sciences</i> , <b>1999</b> , 42, 44-51		19