

Tingjun Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

3,313
citations

172457

29
h-index

149698

56
g-index

60
all docs

60
docs citations

60
times ranked

3737
citing authors

#	ARTICLE	IF	CITATIONS
1	Snow Depth Trends from CMIP6 Models Conflict with Observational Evidence. <i>Journal of Climate</i> , 2022, 35, 1293-1307.	3.2	10
2	Multisize particulate matter and volatile organic compounds in arid and semiarid areas of Northwest China. <i>Environmental Pollution</i> , 2022, 300, 118875.	7.5	4
3	The vertical distribution of soil organic carbon and nitrogen in a permafrost-affected wetland on the Qinghai-Tibet Plateau: Implications for Holocene development and environmental change. <i>Permafrost and Periglacial Processes</i> , 2022, 33, 286-297.	3.4	3
4	Spatiotemporal variability of snow cover timing and duration over the Eurasian continent during 1966-2012. <i>Science of the Total Environment</i> , 2021, 750, 141670.	8.0	20
5	Analysis of heavy metal-related indices in the Eboing permafrost on the Tibetan Plateau. <i>Catena</i> , 2021, 196, 104907.	5.0	8
6	Revisiting climatic features in the Alaskan Arctic using newly collected data. <i>Theoretical and Applied Climatology</i> , 2021, 143, 1251-1259.	2.8	1
7	Impacts of landscape and climatic factors on snow cover in the Altai Mountains, China. <i>Advances in Climate Change Research</i> , 2021, 12, 95-107.	5.1	19
8	Assessment of Temperature Changes on the Tibetan Plateau During 1980-2018. <i>Earth and Space Science</i> , 2021, 8, e2020EA001609.	2.6	22
9	Active layer thickness as a function of soil water content. <i>Environmental Research Letters</i> , 2021, 16, 055028.	5.2	35
10	Dynamics, impacts, and future projections of Arctic rapid change. <i>Advances in Climate Change Research</i> , 2021, 12, 445-446.	5.1	1
11	A Holistic Assessment of 1979-2016 Global Cryospheric Extent. <i>Earth's Future</i> , 2021, 9, e2020EF001969.	6.3	13
12	Application of Tikhonov regularization to reconstruct past climate record from borehole temperature. <i>Inverse Problems in Science and Engineering</i> , 2021, 29, 3167-3189.	1.2	0
13	Northern Hemisphere Greening in Association With Warming Permafrost. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005086.	3.0	29
14	Recent climate changes in the northwestern Qaidam Basin inferred from geothermal gradients. <i>Earth Science Informatics</i> , 2020, 13, 261-270.	3.2	1
15	Permafrost degradation enhances the risk of mercury release on Qinghai-Tibetan Plateau. <i>Science of the Total Environment</i> , 2020, 708, 135127.	8.0	35
16	Soil freeze depth variability across Eurasia during 1850-2100. <i>Climatic Change</i> , 2020, 158, 531-549.	3.6	23
17	The status and stability of permafrost carbon on the Tibetan Plateau. <i>Earth-Science Reviews</i> , 2020, 211, 103433.	9.1	111
18	Spatiotemporal Variation of Snow Depth in the Northern Hemisphere from 1992 to 2016. <i>Remote Sensing</i> , 2020, 12, 2728.	4.0	23

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19	Permafrost response to land use and land cover change in the last millennium across the Northern Hemisphere. <i>Land Degradation and Development</i> , 2020, 31, 1823-1836.	3.9	4
20	Acceleration of thaw slump during 1997â€“2017 in the Qilian Mountains of the northern Qinghai-Tibetan plateau. <i>Landslides</i> , 2020, 17, 1051-1062.	5.4	44
21	Hydrothermal variations in soils resulting from the freezing and thawing processes in the active layer of an alpine grassland in the Qilian Mountains, northeastern Tibetan Plateau. <i>Theoretical and Applied Climatology</i> , 2019, 136, 929-941.	2.8	25
22	Permafrost zonation index map and statistics over the Qinghaiâ€“Tibet Plateau based on field evidence. <i>Permafrost and Periglacial Processes</i> , 2019, 30, 178-194.	3.4	43
23	Major advances in studies of the physical geography and living environment of China during the past 70 years and future prospects. <i>Science China Earth Sciences</i> , 2019, 62, 1665-1701.	5.2	58
24	Leaf and stem traits variation of <i>Stellera chamaejasme</i> Linn. with slope aspect in alpine steppe. <i>Ecological Research</i> , 2019, 34, 119-126.	1.5	5
25	Carbon and mercury export from the Arctic rivers and response to permafrost degradation. <i>Water Research</i> , 2019, 161, 54-60.	11.3	39
26	Riverine dissolved organic carbon and its optical properties in a permafrost region of the Upper Heihe River basin in the Northern Tibetan Plateau. <i>Science of the Total Environment</i> , 2019, 686, 370-381.	8.0	26
27	Simulating heat source effect of a thermokarst lake in the first 540â€“years on the Alaskan Arctic using a simple lake expanding model. <i>Cold Regions Science and Technology</i> , 2019, 160, 176-183.	3.5	6
28	Particulate and gaseous pollutants in a petrochemical industrialized valley city, Western China during 2013â€“2016. <i>Environmental Science and Pollution Research</i> , 2018, 25, 15174-15190.	5.3	19
29	Permafrost Stores a Globally Significant Amount of Mercury. <i>Geophysical Research Letters</i> , 2018, 45, 1463-1471.	4.0	245
30	Greenhouse gas released from the deep permafrost in the northern Qinghai-Tibetan Plateau. <i>Scientific Reports</i> , 2018, 8, 4205.	3.3	24
31	Evaluation of Collection-6 MODIS Land Surface Temperature Product Using Multi-Year Ground Measurements in an Arid Area of Northwest China. <i>Remote Sensing</i> , 2018, 10, 1852.	4.0	37
32	Thermal Characteristics and Recent Changes of Permafrost in the Upper Reaches of the Heihe River Basin, Western China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 7935-7949.	3.3	53
33	Spatiotemporal variability of snow depth across the Eurasian continent from 1966 to 2012. <i>Cryosphere</i> , 2018, 12, 227-245.	3.9	54
34	Impacts of the active layer on runoff in an upland permafrost basin, northern Tibetan Plateau. <i>PLoS ONE</i> , 2018, 13, e0192591.	2.5	13
35	A synthesis dataset of permafrost-affected soil thermal conditions for Alaska, USA. <i>Earth System Science Data</i> , 2018, 10, 2311-2328.	9.9	18
36	Relict Mountain Permafrost Area (Loess Plateau, China) Exhibits High Ecosystem Respiration Rates and Accelerating Rates in Response to Warming. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 2580-2592.	3.0	8

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37	Continuously amplified warming in the Alaskan Arctic: Implications for estimating global warming hiatus. <i>Geophysical Research Letters</i> , 2017, 44, 9029-9038.	4.0	36
38	Thaw Depth Determines Dissolved Organic Carbon Concentration and Biodegradability on the Northern Qinghai-Tibetan Plateau. <i>Geophysical Research Letters</i> , 2017, 44, 9389-9399.	4.0	45
39	Observational study on the active layer freeze-thaw cycle in the upper reaches of the Heihe River of the north-eastern Qinghai-Tibet Plateau. <i>Quaternary International</i> , 2017, 440, 13-22.	1.5	31
40	REDCAPP (v1.0): parameterizing valley inversions in air temperature data downscaled from reanalyses. <i>Geoscientific Model Development</i> , 2017, 10, 2905-2923.	3.6	24
41	Changes in Freezing-Thawing Index and Soil Freeze Depth Over the Heihe River Basin, Western China. <i>Arctic, Antarctic, and Alpine Research</i> , 2016, 48, 161-176.	1.1	38
42	Climatology of the Timing and Duration of the Near-Surface Soil Freeze-Thaw Status Across China. <i>Arctic, Antarctic, and Alpine Research</i> , 2016, 48, 723-738.	1.1	5
43	Carbon loss and chemical changes from permafrost collapse in the northern Tibetan Plateau. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1781-1791.	3.0	52
44	Soil organic carbon stabilization by iron in permafrost regions of the Qinghai-Tibet Plateau. <i>Geophysical Research Letters</i> , 2016, 43, 10,286.	4.0	50
45	Response of changes in seasonal soil freeze/thaw state to climate change from 1950 to 2010 across china. <i>Journal of Geophysical Research F: Earth Surface</i> , 2016, 121, 1984-2000.	2.8	54
46	Carbon and geochemical properties of cryosols on the North Slope of Alaska. <i>Cold Regions Science and Technology</i> , 2014, 100, 59-67.	3.5	7
47	Spatial and temporal variations in air temperature and precipitation in the Chinese Himalayas during the 1971-2007. <i>International Journal of Climatology</i> , 2013, 33, 2622-2632.	3.5	23
48	Modelling Open-Talik Formation and Permafrost Lateral Thaw under a Thermokarst Lake, Beiluhe Basin, Qinghai-Tibet Plateau. <i>Permafrost and Periglacial Processes</i> , 2012, 23, 312-321.	3.4	38
49	Distribution of Permafrost in China: An Overview of Existing Permafrost Maps. <i>Permafrost and Periglacial Processes</i> , 2012, 23, 322-333.	3.4	210
50	Estimating 1992-2000 average active layer thickness on the Alaskan North Slope from remotely sensed surface subsidence. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	106
51	Characteristics and Changes in Air Temperature and Glacier's Response on the North Slope of Mt. Qomolangma (Mt. Everest). <i>Arctic, Antarctic, and Alpine Research</i> , 2011, 43, 147-160.	1.1	55
52	Changes in active layer thickness over the Qinghai-Tibetan Plateau from 1995 to 2007. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	266
53	Evaluation of ERA-40, NCEP-1, and NCEP-2 reanalysis air temperatures with ground-based measurements in China. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	92
54	Influence of the seasonal snow cover on the ground thermal regime: An overview. <i>Reviews of Geophysics</i> , 2005, 43, .	23.0	787

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55	Modeling study of talik freeze-up and permafrost response under drained thaw lakes on the Alaskan Arctic Coastal Plain. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	36
56	A numerical model for surface energy balance and thermal regime of the active layer and permafrost containing unfrozen water. <i>Cold Regions Science and Technology</i> , 2004, 38, 1-15.	3.5	126
57	Numerical simulation of permafrost thermal regime and talik development under shallow thaw lakes on the Alaskan Arctic Coastal Plain. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	97
58	Estimating late-winter heat flow to the atmosphere from the lake-dominated Alaskan North Slope. <i>Journal of Glaciology</i> , 1999, 45, 315-324.	2.2	22
59	Estimating late-winter heat flow to the atmosphere from the lake-dominated Alaskan North Slope. <i>Journal of Glaciology</i> , 1999, 45, 315-324.	2.2	33