Wei Yang

List of Publications by Year
in descending order

53	4,924	236925 25	175258 52
papers	citations	h-index	g-index

55	55	55	4079
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Different glacier status with atmospheric circulations in Tibetan Plateau and surroundings. Nature Climate Change, 2012, 2, 663-667.	18.8	1,979
2	Black soot and the survival of Tibetan glaciers. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 22114-22118.	7.1	606
3	The imbalance of the Asian water tower. Nature Reviews Earth & Environment, 2022, 3, 618-632.	29.7	286
4	An inventory of glacial lakes in the Third Pole region and their changes in response to global warming. Global and Planetary Change, 2015, 131, 148-157.	3.5	261
5	Mass balance of a maritime glacier on the southeast Tibetan Plateau and its climatic sensitivity. Journal of Geophysical Research D: Atmospheres, 2013, 118, 9579-9594.	3.3	132
6	High Mountain Asian glacier response to climate revealed by multi-temporal satellite observations since the 1960s. Nature Communications, 2021, 12, 4133.	12.8	120
7	Lightâ€absorbing impurities enhance glacier albedo reduction in the southeastern Tibetan plateau. Journal of Geophysical Research D: Atmospheres, 2017, 122, 6915-6933.	3.3	114
8	Deposition of anthropogenic aerosols in a southeastern Tibetan glacier. Journal of Geophysical Research, 2009, 114, .	3.3	106
9	Varying responses of vegetation activity to climate changes on the Tibetan Plateau grassland. International Journal of Biometeorology, 2017, 61, 1433-1444.	3.0	99
10	Summertime surface energy budget and ablation modeling in the ablation zone of a maritime Tibetan glacier. Journal of Geophysical Research, 2011, 116, .	3.3	94
11	Recent accelerating mass loss of southeast Tibetan glaciers and the relationship with changes in macroscale atmospheric circulations. Climate Dynamics, 2016, 47, 805-815.	3.8	87
12	Comparison of temperature lapse rates from the northern to the southern slopes of the Himalayas. International Journal of Climatology, 2015, 35, 4431-4443.	3.5	78
13	Localization and navigation using QR code for mobile robot in indoor environment. , 2015, , .		66
14	Evaluation of a Coupled Snow and Energy Balance Model for Zhadang Glacier, Tibetan Plateau, Using Glaciological Measurements and Time-Lapse Photography. Arctic, Antarctic, and Alpine Research, 2015, 47, 573-590.	1.1	60
15	Major advances in studies of the physical geography and living environment of China during the past 70 years and future prospects. Science China Earth Sciences, 2019, 62, 1665-1701.	5.2	58
16	Early onset of rainy season suppresses glacier melt: a case study on Zhadang glacier, Tibetan Plateau. Journal of Glaciology, 2009, 55, 755-758.	2.2	53
17	Two distinct patterns of seasonal variation of airborne black carbon over Tibetan Plateau. Science of the Total Environment, 2016, 573, 1041-1052.	8.0	41
18	Critical Evaluation of Scalar Roughness Length Parametrizations Over a Melting Valley Glacier. Boundary-Layer Meteorology, 2011, 139, 307-332.	2.3	40

#	Article	IF	Citations
19	Different region climate regimes and topography affect the changes in area and mass balance of glaciers on the north and south slopes of the same glacierized massif (the West Nyainqentanglha) Tj ETQq1 1 0.784314 rgBT /Overlock	4.3	41
20	Glacier Energy and Mass Balance in the Inland Tibetan Plateau: Seasonal and Interannual Variability in Relation to Atmospheric Changes. Journal of Geophysical Research D: Atmospheres, 2018, 123, 6390-6409.	3.3	40
21	Energy- and mass-balance comparison between Zhadang and Parlung No. 4 glaciers on the Tibetan Plateau. Journal of Glaciology, 2015, 61, 595-607.	2.2	39
22	Differences in mass balance behavior for three glaciers from different climatic regions on the Tibetan Plateau. Climate Dynamics, 2018, 50, 3457-3484.	3.8	39
23	Process, mechanisms, and early warning of glacier collapse-induced river blocking disasters in the Yarlung Tsangpo Grand Canyon, southeastern Tibetan Plateau. Science of the Total Environment, 2022, 816, 151652.	8.0	33
24	Development of a Water and Enthalpy Budgetâ€based Glacier mass balance Model (<scp>WEBâ€GM</scp>) and its preliminary validation. Water Resources Research, 2017, 53, 3146-3178.	4.2	30
25	The front-heavy and back-light nitrogen application mode to increase stem and leaf biomass significantly improved cadmium accumulation in Solanum nigrum L.. Journal of Hazardous Materials, 2020, 393, 122482.	12.4	30
26	Effect and mechanism of commonly used four nitrogen fertilizers and three organic fertilizers on Solanum nigrum L. hyperaccumulating Cd. Environmental Science and Pollution Research, 2019, 26, 12940-12947.	5.3	29
27	Reconstruction of the mass balance of Muztag Ata No. 15 glacier, eastern Pamir, and its climatic drivers. Journal of Glaciology, 2018, 64, 259-274.	2.2	25
28	Seasonal Dynamics of a Temperate Tibetan Glacier Revealed by High-Resolution UAV Photogrammetry and In Situ Measurements. Remote Sensing, 2020, 12, 2389.	4.0	25
29	Vanishing Glaciers at Southeast Tibetan Plateau Have Not Offset the Declining Runoff at Yarlung Zangbo. Geophysical Research Letters, 2021, 48, e2021GL094651.	4.0	25
30	Evaluation of Parameterizations of Incoming Longwave Radiation in the High-Mountain Region of the Tibetan Plateau. Journal of Applied Meteorology and Climatology, 2017, 56, 833-848.	1.5	22
31	Strengthening role and the mechanism of optimum nitrogen addition in relation to Solanum nigrum L. Cd hyperaccumulation in soil. Ecotoxicology and Environmental Safety, 2019, 182, 109444.	6.0	22
32	Tumor-penetrating Peptide-integrated Thermally Sensitive Liposomal Doxorubicin Enhances Efficacy of Radiofrequency Ablation in Liver Tumors. Radiology, 2017, 285, 462-471.	7.3	19
33	Mass balance of Muji Glacier, northeastern Pamir, and its controlling climate factors. Journal of Hydrology, 2020, 590, 125447.	5.4	19
34	Distributed summer air temperatures across mountain glaciers in the south-east Tibetan Plateau: temperature sensitivity and comparison with existing glacier datasets. Cryosphere, 2021, 15, 595-614.	3.9	18
35	Comparison of the meteorology and surface energy fluxes of debris-free and debris-covered glaciers in the southeastern Tibetan Plateau. Journal of Glaciology, 2017, 63, 1090-1104.	2.2	17
36	Understanding monsoon controls on the energy and mass balance of glaciers in the Central and Eastern Himalaya. Cryosphere, 2022, 16, 1631-1652.	3.9	17

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37	Energy and mass balance characteristics of the Guliya ice cap in the West Kunlun Mountains, Tibetan Plateau. Cold Regions Science and Technology, 2019, 159, 71-85.	3.5	16
38	Microstructure and properties of duplex coatings on magnesium alloy. Surface Engineering, 2016, 32, 601-606.	2.2	14
39	The Influence of Key Climate Variables on Mass Balance of Naimona'nyi Glacier on a Northâ€Facing Slope in the Western Himalayas. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033956.	3.3	14
40	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.	8.0	14
41	What induces the spatiotemporal variability of glacier mass balance across the Qilian Mountains. Climate Dynamics, 2022, 59, 3555-3577.	3.8	14
42	Dramatic mass loss in extreme high-elevation areas of a western Himalayan glacier: observations and modeling. Scientific Reports, 2016, 6, 30706.	3.3	13
43	Melt season hydrological characteristics of the Parlung No. 4 Glacier, in Gangrigabu Mountains, southâ€east Tibetan Plateau. Hydrological Processes, 2016, 30, 1171-1191.	2.6	12
44	Magnetic Resonance Imaging of Atherosclerosis Using CD81-Targeted Microparticles of Iron Oxide in Mice. BioMed Research International, 2015, 2015, 1-10.	1.9	11
45	Response of downstream lakes to Aru glacier collapses on the western Tibetan Plateau. Cryosphere, 2021, 15, 199-214.	3.9	11
46	Phytochemical analysis reveals an antioxidant defense response in Lonicera japonica to cadmium-induced oxidative stress. Scientific Reports, 2022, 12, 6840.	3.3	8
47	Observational evidence of the combined influence of atmospheric circulations and local factors on nearâ€surface meteorology in Dagze Co basin, inner Tibetan Plateau. International Journal of Climatology, 2018, 38, 2056-2066.	3.5	7
48	Air Temperature Variability in High-Elevation Glacierized Regions: Observations from Six Catchments on the Tibetan Plateau. Journal of Applied Meteorology and Climatology, 2022, 61, 223-238.	1.5	5
49	Possible Causes of Anomalous Glacier Mass Balance in the Western Kunlun Mountains. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	5
50	Influence of atmospheric circulation on glacier mass balance in western Tibet: an analysis based on observations and modeling. Journal of Climate, 2021, , 1-55.	3.2	4
51	Katabatic Flow Structures Indicative of the Flux Dissimilarity for Stable Stratification. Boundary-Layer Meteorology, 2022, 182, 379-415.	2.3	3
52	Representing the Heat-to-Moisture Transport Efficiency in Stable Conditions: An Extension of Two Different Approaches. Asia-Pacific Journal of Atmospheric Sciences, 2020, 56, 603-611.	2.3	1
53	GTF: An Adaptive Network Anomaly Detection Method at the Network Edge. Security and Communication Networks, 2021, 2021, 1-12.	1.5	0