

# Jun-bo Wang

## List of Publications by Year in descending order

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83  
papers

2,640  
citations

159585

30  
h-index

214800

47  
g-index

88  
all docs

88  
docs citations

88  
times ranked

1944  
citing authors

#	ARTICLE	IF	CITATIONS
1	Distribution, potential sources, and response to water depth of archaeal tetraethers in Tibetan Plateau lake sediments. <i>Chemical Geology</i> , 2022, 601, 120825.	3.3	11
2	Compatibility of Diatom Valve Records With Sedimentary Ancient DNA Amplicon Data: A Case Study in a Brackish, Alkaline Tibetan Lake. <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	8
3	Influence of salinity on glycerol dialkyl glycerol tetraether-based indicators in Tibetan Plateau lakes: Implications for paleotemperature and paleosalinity reconstructions. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022, 601, 111127.	2.3	10
4	The increasing water clarity of Tibetan lakes over last 20 years according to MODIS data. <i>Remote Sensing of Environment</i> , 2021, 253, 112199.	11.0	31
5	Diatom metabarcoding and microscopic analyses from sediment samples at Lake Nam Co, Tibet: The effect of sample-size and bioinformatics on the identified communities. <i>Ecological Indicators</i> , 2021, 121, 107070.	6.3	22
6	Miocene Pleistocene Ostracoda from the Zhada Basin (western Tibetan Plateau). <i>Palaontologische Zeitschrift</i> , 2021, 95, 37-54.	1.6	1
7	Spatial distribution of n-alkanes in surface sediments of Selin Co Lake, central Tibetan Plateau, China. <i>Journal of Paleolimnology</i> , 2021, 65, 53-67.	1.6	13
8	Three new needle-shaped <i>Fragilaria</i> species from Central America and the Tibetan Plateau. <i>Phytotaxa</i> , 2021, 479, 1-22.	0.3	2
9	A New Thermal Categorization of Ice-Covered Lakes. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091374.	4.0	31
10	High-throughput identification of non-marine Ostracoda from the Tibetan Plateau: Evaluating the success of various primers on sedimentary DNA samples. <i>Environmental DNA</i> , 2021, 3, 982-996.	5.8	5
11	Holocene paleoenvironmental change inferred from two sediment cores collected in the Tibetan lake Taro Co. <i>Journal of Paleolimnology</i> , 2021, 66, 171-186.	1.6	6
12	Paleoclimate changes over the past 13,000 years recorded by Chibuzhang Co sediments in the source region of the Yangtze River, China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 573, 110433.	2.3	13
13	Moisture and vegetation variations in the extremely cold-dry area of the Tibetan Plateau during the past 5000 years. <i>Catena</i> , 2021, 204, 105381.	5.0	9
14	In-situ water quality investigation of the lakes on the Tibetan Plateau. <i>Science Bulletin</i> , 2021, 66, 1727-1730.	9.0	40
15	Precipitation dynamics on the Tibetan Plateau during the Late Quaternary – Hydroclimatic sedimentary proxies versus lake level variability. <i>Global and Planetary Change</i> , 2021, 205, 103594.	3.5	21
16	Hydrochemistry of Rara Lake: A Ramsar lake from the southern slope of the central Himalayas, Nepal. <i>Journal of Mountain Science</i> , 2021, 18, 141-158.	2.0	9
17	Late Holocene vegetation responses to climate change and human impact on the central Tibetan Plateau. <i>Science of the Total Environment</i> , 2020, 708, 135370.	8.0	26
18	Sources and behavior of monsoon air masses in the lowest-latitude region on the Tibetan Plateau, and their paleoclimatic implications. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 554, 109750.	2.3	2

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19	Black carbon and mercury in the surface sediments of Selin Co, central Tibetan Plateau: Covariation with total carbon. <i>Science of the Total Environment</i> , 2020, 721, 137752.	8.0	12
20	Spatio-temporal variations of hydrochemistry and modern sedimentation processes in the Nam Co basin, Tibetan Plateau: Implications for carbonate precipitation. <i>Journal of Great Lakes Research</i> , 2020, 46, 961-975.	1.9	6
21	Seasonal stratification of a deep, high-altitude, dimictic lake: Nam Co, Tibetan Plateau. <i>Journal of Hydrology</i> , 2020, 584, 124668.	5.4	32
22	Origin of modern dolomite in surface lake sediments on the central and western Tibetan Plateau. <i>Quaternary International</i> , 2020, 544, 65-75.	1.5	7
23	Is there a common threshold to subfossil chironomid assemblages at 16 m water depth? Evidence from the Tibetan Plateau. <i>Journal of Limnology</i> , 2020, 79, .	1.1	5
24	Spatial distribution of diatom assemblages in the surface sediments of Selin Co, central Tibetan Plateau, China, and the controlling factors. <i>Journal of Great Lakes Research</i> , 2019, 45, 1069-1079.	1.9	8
25	Estimation of lake water storage and changes based on bathymetric data and altimetry data and the association with climate change in the central Tibetan Plateau. <i>Journal of Hydrology</i> , 2019, 578, 124052.	5.4	32
26	Temporal variability of <sup>14</sup> C reservoir effects and sedimentological chronology analysis in lake sediments from Chibuzhang Co, North Tibet (China). <i>Quaternary Geochronology</i> , 2019, 52, 88-102.	1.4	11
27	Climatic and lake environmental changes in the Serling Co region of Tibet over a variety of timescales. <i>Science Bulletin</i> , 2019, 64, 422-424.	9.0	36
28	Evaluating and Improving the Performance of Three 1D Lake Models in a Large Deep Lake of the Central Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 3143-3167.	3.3	49
29	Mid- to late-Holocene paleoenvironmental changes and glacier fluctuations reconstructed from the sediments of proglacial lake Buruo Co, northern Tibetan Plateau. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 517, 74-85.	2.3	28
30	Late glacial and Holocene vegetation and climate variations at Lake Tangra Yumco, central Tibetan Plateau. <i>Global and Planetary Change</i> , 2019, 174, 16-25.	3.5	43
31	Spatial and temporal variations in water temperature in a high-altitude deep dimictic mountain lake (Nam Co), central Tibetan Plateau. <i>Journal of Great Lakes Research</i> , 2019, 45, 212-223.	1.9	31
32	Paleo-environmental change since the Late Glacial inferred from lacustrine sediment in Selin Co, central Tibet. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 516, 101-112.	2.3	30
33	Late quaternary lake level changes of Taro Co and neighbouring lakes, southwestern Tibetan Plateau, based on OSL dating and ostracod analysis. <i>Global and Planetary Change</i> , 2018, 166, 1-18.	3.5	36
34	A multi-lake comparative analysis of the General Lake Model (GLM): Stress-testing across a global observatory network. <i>Environmental Modelling and Software</i> , 2018, 102, 274-291.	4.5	93
35	Variability of the <sup>14</sup> C reservoir effects in Lake Tangra Yumco, Central Tibet (China), determined from recent sedimentation rates and dating of plant fossils. <i>Quaternary International</i> , 2017, 430, 3-11.	1.5	22
36	Characteristics and seasonal variations in the hydrochemistry of the Tangra Yumco basin, central Tibetan Plateau, and responses to the Indian summer monsoon. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	11

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37	Artemisia/Chenopodiaceae ratio from surface lake sediments on the central and western Tibetan Plateau and its application. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 479, 138-145.	2.3	27
38	Mid- to late-Holocene paleoenvironmental changes inferred from organic geochemical proxies in Lake Tangra Yumco, Central Tibetan Plateau. <i>Holocene</i> , 2017, 27, 1475-1486.	1.7	16
39	Spatiotemporal variations in volume of closed lakes on the Tibetan Plateau and their climatic responses from 1976 to 2013. <i>Climatic Change</i> , 2017, 140, 621-633.	3.6	102
40	Estimation of lakes water storage and their changes on the northwestern Tibetan Plateau based on bathymetric and Landsat data and driving force analyses. <i>Quaternary International</i> , 2017, 454, 56-67.	1.5	36
41	The Warming of Large Lakes on the Tibetan Plateau: Evidence From a Lake Model Simulation of Nam Co, China, During 1979â€“2012. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 13,095.	3.3	41
42	Synchronous pattern of moisture availability on the southern Tibetan Plateau since 17.5 ka cal BP the Tangra Yumco lake sediment record. <i>Boreas</i> , 2017, 46, 229-241.	2.4	20
43	Modern pollen assemblages from surface lake sediments and their environmental implications on the southwestern Tibetan Plateau. <i>Boreas</i> , 2017, 46, 242-253.	2.4	31
44	Spatial distribution and ecology of the Recent Ostracoda from Tangra Yumco and adjacent waters on the southern Tibetan Plateau: A key to palaeoenvironmental reconstruction. <i>Limnologica</i> , 2016, 59, 21-43.	1.5	26
45	Quantifying evaporation and its decadal change for Lake Nam Co, central Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 7578-7591.	3.3	77
46	High-resolution paleomagnetic and sedimentological investigations on the Tibetan Plateau for the past 16 ka cal B.P.â€“The Tangra Yumco record. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 774-790.	2.5	22
47	Vertical variation of bacterial community in Nam Co, a large stratified lake in central Tibetan Plateau. <i>Antonie Van Leeuwenhoek</i> , 2016, 109, 1323-1335.	1.7	17
48	Holocene lake level history of the Tangra Yumco lake system, southern-central Tibetan Plateau. <i>Holocene</i> , 2016, 26, 176-187.	1.7	34
49	Holocene lake level fluctuations and environmental changes at Taro Co, southwestern Tibet, based on ostracod-inferred water depth reconstruction. <i>Holocene</i> , 2016, 26, 29-43.	1.7	20
50	Comparison of surface water chemistry and weathering effects of two lake basins in the Changtang Nature Reserve, China. <i>Journal of Environmental Sciences</i> , 2016, 41, 183-194.	6.1	6
51	Climate change on the Tibetan Plateau in response to shifting atmospheric circulation since the LGM. <i>Scientific Reports</i> , 2015, 5, 13318.	3.3	115
52	Independently dated paleomagnetic secular variation records from the Tibetan Plateau. <i>Earth and Planetary Science Letters</i> , 2015, 416, 98-108.	4.4	30
53	Ostracoda (Crustacea) as indicators of subaqueous mass movements: An example from the large brackish lake Tangra Yumco on the southern Tibetan Plateau, China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 419, 60-74.	2.3	15
54	Spatial variability and the controlling mechanisms of surface sediments from Nam Co, central Tibetan Plateau, China. <i>Sedimentary Geology</i> , 2015, 319, 69-77.	2.1	25

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55	Hydrological variations on the Central Tibetan Plateau since the Last Glacial Maximum and their teleconnection to inter-regional and hemispheric climate variations. <i>Journal of Quaternary Science</i> , 2015, 30, 70-78.	2.1	48
56	Sediment dynamics and hydrologic events affecting small lacustrine systems on the southern-central Tibetan Plateau – the example of TT Lake. <i>Holocene</i> , 2015, 25, 508-522.	1.7	19
57	Pollen-inferred Holocene vegetation and climate histories in Taro Co, southwestern Tibetan Plateau. <i>Science Bulletin</i> , 2014, 59, 4101-4114.	1.7	49
58	Monsoonal forcing of Holocene paleoenvironmental change on the central Tibetan Plateau inferred using a sediment record from Lake Nam Co (Xizang, China). <i>Journal of Paleolimnology</i> , 2014, 51, 253-266.	1.6	53
59	Mechanism of variations in environmental magnetic proxies of lake sediments from Nam Co, Tibet during the Holocene. <i>Science Bulletin</i> , 2013, 58, 1568-1578.	1.7	15
60	Interplay between redox conditions and hydrological changes in sediments from Lake Nam Co (Tibetan) Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 392, 261-271.	2.3	35
61	Monitoring changes of snow cover, lake and vegetation phenology in Nam Co Lake Basin (Tibetan)	1.9	17
62	Limnological features of glacier-fed rivers in the Southern Tibetan Plateau, China. <i>Limnology</i> , 2012, 13, 301-307.	1.5	9
63	A comparison of different methods for determining the organic and inorganic carbon content of lake sediment from two lakes on the Tibetan Plateau. <i>Quaternary International</i> , 2012, 250, 49-54.	1.5	35
64	Distribution and formation of monohydrocalcite from surface sediments in Nam Co Lake, Tibet. <i>Quaternary International</i> , 2012, 263, 85-92.	1.5	8
65	Indian Ocean Summer Monsoon (IOSM)-dynamics within the past 4 ka recorded in the sediments of Lake Nam Co, central Tibetan Plateau (China). <i>Quaternary Science Reviews</i> , 2012, 39, 73-85.	3.0	99
66	The spatial distribution and sedimentary processes of organic matter in surface sediments of Nam Co, Central Tibetan Plateau. <i>Science Bulletin</i> , 2012, 57, 4753-4764.	1.7	36
67	Multiple implications of rare earth elements for Holocene environmental changes in Nam Co, Tibet. <i>Quaternary International</i> , 2011, 236, 96-106.	1.5	10
68	Estimation and trend detection of water storage at Nam Co Lake, central Tibetan Plateau. <i>Journal of Hydrology</i> , 2011, 405, 161-170.	5.4	103
69	Pollen-inferred climate changes and vertical shifts of alpine vegetation belts on the northern slope of the Nyainqentanglha Mountains (central Tibetan Plateau) since 8.4 kyr BP. <i>Holocene</i> , 2011, 21, 939-950.	1.7	61
70	Further discussion about the features of Lake Puma Yum Co, South Tibet, China. <i>Limnology</i> , 2010, 11, 281-287.	1.5	14
71	Composition, spatial distribution, and environmental significance of water ions in Pumayum Co catchment, southern Tibet. <i>Journal of Chinese Geography</i> , 2010, 20, 109-120.	3.9	29
72	Water and sediment chemistry of Lake Pumayum Co, South Tibet, China: implications for interpreting sediment carbonate. <i>Journal of Paleolimnology</i> , 2010, 43, 463-474.	1.6	30

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73	Ostracod-based environmental reconstruction over the last 8,400 years of Nam Co Lake on the Tibetan plateau. <i>Hydrobiologia</i> , 2010, 648, 157-174.	2.0	43
74	Comparisons between the chemical compositions of lake water, inflowing river water, and lake sediment in Nam Co, central Tibetan Plateau, China and their controlling mechanisms. <i>Journal of Great Lakes Research</i> , 2010, 36, 587-595.	1.9	42
75	Last glacial-Holocene geochronology of sediment cores from a high-altitude Tibetan lake based on AMS <sup>14</sup> C dating of plant fossils: Implications for paleoenvironmental reconstructions. <i>Chemical Geology</i> , 2010, 277, 21-29.	3.3	37
76	Investigation of bathymetry and water quality of Lake Nam Co, the largest lake on the central Tibetan Plateau, China. <i>Limnology</i> , 2009, 10, 149-158.	1.5	108
77	Spatial variability and correlation of environmental proxies during the past 18,000 years among multiple cores from Lake Pumoyum Co, Tibet, China. <i>Journal of Paleolimnology</i> , 2009, 42, 303-315.	1.6	33
78	A ~30,000-year record of environmental changes inferred from Lake Chen Co, Southern Tibet. <i>Journal of Paleolimnology</i> , 2009, 42, 343-358.	1.6	77
79	Ostracod assemblages and their environmental significance from the lake core of the Nam Co on the Tibetan Plateau 8.4 kaBP. <i>Journal of Chinese Geography</i> , 2009, 19, 387-402.	3.9	14
80	Environmental changes reflected by n-alkanes of lake core in Nam Co on the Tibetan Plateau since 8.4 kaB.P.. <i>Science Bulletin</i> , 2008, 53, 3051-3057.	9.0	27
81	Mineralogy and geochemistry of the Holocene lacustrine sediments in Nam Co, Tibet. <i>Quaternary International</i> , 2008, 187, 105-116.	1.5	49
82	Environmental changes since 8.4 ka reflected in the lacustrine core sediments from Nam Co, central Tibetan Plateau, China. <i>Holocene</i> , 2008, 18, 831-839.	1.7	124
83	ICDP workshop on scientific drilling of Nam Co on the Tibetan Plateau: 1 million years of paleoenvironmental history, geomicrobiology, tectonics and paleomagnetism derived from sediments of a high-altitude lake. <i>Scientific Drilling</i> , 0, 25, 63-70.	0.6	2