

# Zhiwei Li

## List of Publications by Year in descending order

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Version: 2024-02-01

66  
papers

1,260  
citations

471371

17  
h-index

414303

32  
g-index

72  
all docs

72  
docs citations

72  
times ranked

1154  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microplastic pollution in the rivers of the Tibet Plateau. <i>Environmental Pollution</i> , 2019, 249, 91-98.	3.7	345
2	A review of ecological restoration techniques in fluvial rivers. <i>International Journal of Sediment Research</i> , 2016, 31, 110-119.	1.8	74
3	Shrinkage of the Ruoergai Swamp and changes to landscape connectivity, Qinghai-Tibet Plateau. <i>Catena</i> , 2015, 126, 155-163.	2.2	48
4	The influence of climate change on an endangered riparian plant species: The root of riparian <i>Homonoia</i> . <i>Ecological Indicators</i> , 2018, 92, 40-50.	2.6	45
5	Substantial Increases in the Water and Sediment Fluxes in the Headwater Region of the Tibetan Plateau in Response to Global Warming. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087745.	1.5	42
6	Migration and cutoff of meanders in the hyperarid environment of the middle Tarim River, northwestern China. <i>Geomorphology</i> , 2017, 276, 116-124.	1.1	38
7	Study on the flow field and concentration characteristics of the multiple tandem jets in crossflow. <i>Science China Technological Sciences</i> , 2012, 55, 2778-2788.	2.0	37
8	River network evolution and fluvial process responses to human activity in a hyper-arid environment – Case of the Tarim River in Northwest China. <i>Catena</i> , 2016, 147, 96-109.	2.2	35
9	Channel adjustment after artificial neck cutoffs in a meandering river of the Zoige basin within the Qinghai-Tibet Plateau, China. <i>Catena</i> , 2019, 172, 255-265.	2.2	29
10	An exploratory analysis of benthic macroinvertebrates as indicators of the ecological status of the Upper Yellow and Yangtze Rivers. <i>Journal of Chinese Geography</i> , 2013, 23, 871-882.	1.5	27
11	Effects of riparian plant roots on the unconsolidated bank stability of meandering channels in the Tarim River, China. <i>Geomorphology</i> , 2020, 351, 106958.	1.1	27
12	Impacts of artificially planted vegetation on the ecological restoration of movable sand dunes in the Mugetan Desert, northeastern Qinghai-Tibet Plateau. <i>International Journal of Sediment Research</i> , 2017, 32, 277-287.	1.8	24
13	Mineral composition and particle size distribution of river sediment and loess in the middle and lower Yellow River. <i>International Journal of Sediment Research</i> , 2021, 36, 392-400.	1.8	23
14	The development mechanism of gravel bars in rivers. <i>Quaternary International</i> , 2014, 336, 73-79.	0.7	22
15	Morphological characteristics and changes of two meandering rivers in the Qinghai-Tibet Plateau, China. <i>Geomorphology</i> , 2021, 379, 107626.	1.1	19
16	Large eddy simulation of a round jet into a counterflow. <i>Science China Technological Sciences</i> , 2013, 56, 484-491.	2.0	18
17	Analysis of controls upon channel planform at the First Great Bend of the Upper Yellow River, Qinghai-Tibet Plateau. <i>Journal of Chinese Geography</i> , 2013, 23, 833-848.	1.5	18
18	Fluvial diversity in relation to valley setting in the source region of the Yangtze and Yellow Rivers. <i>Journal of Chinese Geography</i> , 2013, 23, 817-832.	1.5	17

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19	Impacts of flow regulation on geomorphic adjustment and riparian vegetation succession along an anabranching reach of the Upper Yellow River. <i>Catena</i> , 2020, 190, 104561.	2.2	17
20	Characterizing braided rivers in two nested watersheds in the Source Region of the Yangtze River on the Qinghai-Tibet Plateau. <i>Geomorphology</i> , 2020, 351, 106945.	1.1	16
21	Macroinvertebrate assemblages in relation to environments in the West River, with implications for management of rivers affected by channel regulation projects. <i>Quaternary International</i> , 2015, 384, 180-185.	0.7	15
22	Vegetative impacts upon bedload transport capacity and channel stability for differing alluvial planforms in the Yellow River source zone. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 3013-3025.	1.9	15
23	Response of the Downstream Braided Channel to Zhikong Reservoir on Lhasa River. <i>Water (Switzerland)</i> , 2018, 10, 1144.	1.2	15
24	Channel morphologic processes of a highly sinuous bend approaching neck cutoff by bank erosion in the middle Yangtze River. <i>International Journal of Sediment Research</i> , 2021, 36, 457-467.	1.8	14
25	The Influences of Riparian Vegetation on Bank Failures of a Small Meadow-Type Meandering River. <i>Water (Switzerland)</i> , 2018, 10, 692.	1.2	13
26	Experimental study on the process of neck cutoff and channel adjustment in a highly sinuous meander under constant discharges. <i>Geomorphology</i> , 2019, 327, 215-229.	1.1	13
27	Reevaluation of the aeolian sand flux from the Ulan Buh Desert into the upper Yellow River based on in situ monitoring. <i>Geomorphology</i> , 2019, 327, 307-318.	1.1	13
28	Secondary Flow and Flow Redistribution in Two Sharp Bends on the Middle Yangtze River. <i>Water Resources Research</i> , 2021, 57, e2020WR028534.	1.7	13
29	Bottom-slope-induced net sheet-flow sediment transport rate under sinusoidal oscillatory flows. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 236-263.	1.0	12
30	Variable discharges control composite bank erosion in Zoige meandering rivers. <i>Catena</i> , 2021, 204, 105384.	2.2	12
31	Macroinvertebrate Assemblages in Mountain Streams with Different Streambed Stability. <i>River Research and Applications</i> , 2015, 31, 825-833.	0.7	11
32	Characterizing Hydrological Connectivity of Artificial Ditches in Zoige Peatlands of Qinghai-Tibet Plateau. <i>Water (Switzerland)</i> , 2018, 10, 1364.	1.2	11
33	Applying dendrochronology and remote sensing to explore climate-drive in montane forests over space and time. <i>Quaternary Science Reviews</i> , 2020, 237, 106292.	1.4	11
34	Variations in Channel Centerline Migration Rate and Intensity of a Braided Reach in the Lower Yellow River. <i>Remote Sensing</i> , 2021, 13, 1680.	1.8	10
35	Environmental gradient relative to oxbow lake-meandering river connectivity in Zoige Basin of the Tibetan Plateau. <i>Ecological Engineering</i> , 2020, 156, 105983.	1.6	10
36	Coupled impact of decadal precipitation and evapotranspiration on peatland degradation in the Zoige basin, China. <i>Physical Geography</i> , 2020, 41, 145-168.	0.6	9

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37	Assessing functional characteristics of a braided river in the Qinghai-Tibet Plateau, China. <i>Geomorphology</i> , 2022, 403, 108180.	1.1	9
38	Wetland Ecosystems of the Yellow River Source Zone. <i>Springer Geography</i> , 2016, , 183-207.	0.3	8
39	Macroinvertebrate distribution and aquatic ecology in the Ruoergai (Zoige) Wetland, the Yellow River source region. <i>Frontiers of Earth Science</i> , 2017, 11, 554-564.	0.9	8
40	Sediment dynamics of an allogenic river channel in a very arid environment. <i>Hydrological Processes</i> , 2017, 31, 2050-2061.	1.1	8
41	Macroinvertebrate assemblages in relation to environments in the dongting lake, with implications for ecological management of river-connected lakes affected by dam construction. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 914-920.	1.3	8
42	Impact of natural gullies on groundwater hydrology in the Zoige peatland, China. <i>Journal of Hydrology: Regional Studies</i> , 2019, 21, 25-39.	1.0	8
43	Responses of macroinvertebrate functional traits to riverbed structure of typical debris flow gullies in the upper reaches of the Yangtze River, China. <i>Science of the Total Environment</i> , 2020, 738, 138906.	3.9	8
44	Processes of neck cutoff and channel adjustment affected by seeding herbaceous vegetation and variable discharges. <i>Catena</i> , 2022, 208, 105731.	2.2	8
45	Dynamic changes of groundwater storage and flows in a disturbed alpine peatland under variable climatic conditions. <i>Journal of Hydrology</i> , 2019, 575, 557-568.	2.3	7
46	Geomorphic Diversity of Rivers in the Upper Yellow River Basin. <i>Springer Geography</i> , 2016, , 59-77.	0.3	6
47	Response of organic carbon in drainage ditch water to rainfall events in Zoige Basin in the Qinghai-Tibet Plateau. <i>Journal of Hydrology</i> , 2019, 579, 124187.	2.3	6
48	Point bars retained particulate organic carbon within a meandering river corridor in Zoige Basin of the Tibetan Plateau. <i>Journal of Hydrology</i> , 2020, 588, 125112.	2.3	6
49	Impacts of dams and land-use changes on hydromorphology of braided channels in the Lhasa River of the Qinghai-Tibet Plateau, China. <i>International Journal of Sediment Research</i> , 2022, 37, 214-228.	1.8	6
50	Adjustment of flood discharge capacity with varying boundary conditions in a braided reach of the Lower Yellow River. <i>Journal of Chinese Geography</i> , 2021, 31, 1615-1632.	1.5	5
51	Morphological characteristics and evolution processes of sharp bends in the Lower Yellow River. <i>Catena</i> , 2022, 210, 105936.	2.2	5
52	Morphodynamic processes in a large gravel-bed braided channel in response to runoff change: a case study in the Source Region of Yangtze River. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	0.6	5
53	Riparian Groundwater Level Variation and Its Impacts on Bank Erosion in the Middle Yangtze River. <i>Water Resources Research</i> , 2022, 58, .	1.7	5
54	Two-dimensional modeling of channel evolution under the influence of large-scale river regulation works. <i>International Journal of Sediment Research</i> , 2022, 37, 424-434.	1.8	4

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55	Integrating hydraulic equivalent sections into a hydraulic geometry study. <i>Journal of Hydrology</i> , 2017, 552, 407-420.	2.3	3
56	Organic Carbon Flux in Ditches during the Growing Season in a Drained Alpine Peatland. <i>Ecohydrology</i> , 2019, 12, e2161.	1.1	2
57	Impacts of the Degraded Alpine Swamp Meadow on Tensile Strength of Riverbank: A Case Study of the Upper Yellow River. <i>Water (Switzerland)</i> , 2020, 12, 2348.	1.2	2
58	Variation in reach-averaged bankfull discharge in the Yellow River Estuary in recent years. <i>Frontiers of Earth Science</i> , 2021, 15, 606-619.	0.9	2
59	Characterizing spatially variable water table depths in a disturbed Zoige peatland watershed. <i>Journal of Hydro-Environment Research</i> , 2020, 29, 70-79.	1.0	2
60	Geo-hydrology of the Upper Yellow River. <i>Wiley Interdisciplinary Reviews: Water</i> , 2022, 9, .	2.8	2
61	One-dimensional morphodynamic model for a tail reach of the Yellow River estuary. <i>Water Management</i> , 0, , 1-14.	0.4	1
62	A new formula for predicting movable bed roughness coefficient in the Middle Yangtze River. <i>Progress in Physical Geography</i> , 0, , 030913332110662.	1.4	1
63	Effect of riparian vegetation roots on development of meander bends in Tarim River, Northwest China. <i>E3S Web of Conferences</i> , 2018, 40, 02029.	0.2	0
64	Velocity Characteristics of a Round Offset Jet with Different Offset Ratios in a Counterflow. <i>Flow, Turbulence and Combustion</i> , 2021, 107, 81-104.	1.4	0
65	Coupled modeling of bed evolution and bank deformation in the braided reach of the Lower Yellow River. <i>Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica</i> , 2021, , .	0.3	0
66	Adjustments in low-water channel geometry caused by upstream damming: an example from the Jingjiang Reach, China. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	0