Naicheng Wu

List of Publications by Year
in descending order

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76 papers	1,677 citations	279798 23 h-index	345221 36 g-index
79 all docs	79 docs citations	79 times ranked	1386 citing authors

#	Article	IF	Citations
1	The effect of habitat restoration on macroinvertebrate communities in Shaoxi rivers, China. Environmental Science and Pollution Research, 2022, 29, 677-689.	5.3	3
2	Using integrated models to analyze and predict the variance of diatom community composition in an agricultural area. Science of the Total Environment, 2022, 803, 149894.	8.0	7
3	Nitrous acid emission from soil bacteria and related environmental effect over the North China Plain. Chemosphere, 2022, 287, 132034.	8.2	3
4	Epiphytic biofilms in freshwater and interactions with macrophytes: Current understanding and future directions. Aquatic Botany, 2022, 176, 103467.	1.6	36
5	Small run-of-river hydropower dams and associated water regulation filter benthic diatom traits and affect functional diversity. Science of the Total Environment, 2022, 813, 152566.	8.0	19
6	Evolving framework of studies on global gulf ecosystems with Sustainable Development Goals. Environmental Science and Pollution Research, 2022, 29, 18385-18397.	5.3	4
7	Integrated Ecohydrological Models in Aquatic Ecosystems. Water (Switzerland), 2022, 14, 204.	2.7	0
8	Environment regimes play an important role in structuring traitâ€•and taxonomyâ€based temporal beta diversity of riverine diatoms. Journal of Ecology, 2022, 110, 1442-1454.	4.0	22
9	Succession and Driving Factors of Periphytic Community in the Middle Route Project of South-to-North Water Division (Henan, China). International Journal of Environmental Research and Public Health, 2022, 19, 4089.	2.6	2
10	Small Run-of-River Dams Affect Taxonomic and Functional Î²-Diversity, Community Assembly Process of Benthic Diatoms. Frontiers in Ecology and Evolution, 2022, 10, .	2.2	0
11	Microeukaryotic Community Shifting Along a Lentic-Lotic Continuum. Frontiers in Ecology and Evolution, 2022, 10, .	2.2	1
12	Fine sediment and flow velocity impact bacterial community and functional profile more than nutrient enrichment. Ecological Applications, 2021, 31, e02212.	3.8	8
13	The effects of flood pulse on multiple aquatic organisms in a seasonal shallow lake. Aquatic Ecology, 2021, 55, 379-399.	1.5	6
14	Improving biological condition assessment accuracy by multimetric index approach with microalgae in streams and lakes. Science of the Total Environment, 2021, 771, 145417.	8.0	5
15	Phytoplankton functional groups as ecological indicators in a subtropical estuarine river delta system. Ecological Indicators, 2021, 126, 107651.	6.3	18
16	Spatial and local environmental factors outweigh geoâ€climatic gradients in structuring taxonomically and traitâ€based Î²â€diversity of benthic algae. Journal of Biogeography, 2021, 48, 1842-1857.	3.0	28
17	Influences of pesticides, nutrients, and local environmental variables on phytoplankton communities in lentic small water bodies in a German lowland agricultural area. Science of the Total Environment, 2021, 780, 146481.	8.0	32
18	Geomorphology and vegetation drive hydrochemistry changes in two Northeast Greenland streams. Hydrological Processes, 2021, 35, e14369.	2.6	5

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19	A comparative study on the indicative function of species and traits structure of stream macroinvertebrates to human disturbances. Ecological Indicators, 2021, 129, 107939.	6.3	5
20	Freshwater biodiversity at different habitats: Research hotspots with persistent and emerging themes. Ecological Indicators, 2021, 129, 107926.	6.3	10
21	Phylogenetic and functional diversity could be better indicators of macroinvertebrate community stability. Ecological Indicators, 2021, 129, 107892.	6.3	15
22	Microbial biofilm community dynamics in five lowland streams. Science of the Total Environment, 2021, 798, 149169.	8.0	10
23	Impacts of multiple anthropogenic stressors on stream macroinvertebrate community composition and functional diversity. Ecology and Evolution, 2021, 11, 133-152.	1.9	26
24	Editorial: Impacts of Habitat Transformation on Species, Biodiversity and Ecosystems in Asia. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	0
25	Effects of the herbicides metazachlor and flufenacet on phytoplankton communities â€“ A microcosm assay. Ecotoxicology and Environmental Safety, 2021, 228, 113036.	6.0	13
26	Epiphyton in Agricultural Streams: Structural Control and Comparison to Epilithon. Water (Switzerland), 2021, 13, 3443.	2.7	3
27	Elevation, aspect, and local environment jointly determine diatom and macroinvertebrate diversity in the Cangshan Mountain, Southwest China. Ecological Indicators, 2020, 108, 105618.	6.3	23
28	Anthropogenic stressors affect fungal more than bacterial communities in decaying leaf litter: A stream mesocosm experiment. Science of the Total Environment, 2020, 716, 135053.	8.0	23
29	Metacommunity Structures of Macroinvertebrates and Diatoms in High Mountain Streams, Yunnan, China. Frontiers in Ecology and Evolution, 2020, 8, .	2.2	5
30	Short-period hydrological regimes override physico-chemical variables in shaping stream diatom traits, biomass and biofilm community functions. Science of the Total Environment, 2020, 743, 140720.	8.0	25
31	Local environmental, geo-climatic and spatial factors interact to drive community distributions and diversity patterns of stream benthic algae, macroinvertebrates and fishes in a large basin, Northeast China. Ecological Indicators, 2020, 117, 106673.	6.3	18
32	Curved filaments of Aulacoseira complex as ecological indicators in the Pearl River, China. Ecological Indicators, 2020, 118, 106722.	6.3	9
33	Evaluating ecosystem functioning following river restoration: the role of hydromorphology, bacteria, and macroinvertebrates. Science of the Total Environment, 2020, 743, 140583.	8.0	19
34	Spatio-temporal patterns and predictions of size-fractionated chlorophyll a in a large subtropical river, China. Journal of Freshwater Ecology, 2020, 35, 1-12.	1.2	3
35	Gemmatimonas groenlandica sp. nov. Is an Aerobic Anoxygenic Phototroph in the Phylum Gemmatimonadetes. Frontiers in Microbiology, 2020, 11, 606612.	3.5	48
36	The aquatic microbial community: a bibliometric analysis of global research trends (1991â€“2018). Fundamental and Applied Limnology, 2020, 194, 19-32.	0.7	1

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37	Review on hotspots, challenges, and the future of river management strategies in China. Journal of Environmental Biology, 2020, 41, 13-22.	0.5	1
38	Linking phytoplankton community structure to aquatic ecosystem functioning: A mini-review of the current status and future directions. , 2020, , 291-302.		1
39	Networks and ordination analyses reveal the stream community structures of fish, macroinvertebrate and benthic algae, and their responses to nutrient enrichment. Ecological Indicators, 2019, 101, 501-511.	6.3	23
40	Correlation of Fish Assemblages with Habitat and Environmental Variables in a Headwater Stream Section of Lijiang River, China. Sustainability, 2019, 11, 1135.	3.2	18
41	Beta Diversity Partitioning and Drivers of Variations in Fish Assemblages in a Headwater Stream: Lijiang River, China. Water (Switzerland), 2019, 11, 680.	2.7	5
42	Trait dependent roles of environmental factors, spatial processes and grazing pressure on lake phytoplankton metacommunity. Ecological Indicators, 2019, 103, 312-320.	6.3	25
43	Microbial Organic Matter Utilization in High-Arctic Streams: Key Enzymatic Controls. Microbial Ecology, 2019, 78, 539-554.	2.8	17
44	Riverine phytoplankton functional groups response to multiple stressors variously depending on hydrological periods. Ecological Indicators, 2019, 101, 41-49.	6.3	32
45	How successful are the restoration efforts of China's lakes and reservoirs?. Environment International, 2019, 123, 96-103.	10.0	151
46	Flow regimes filter species traits of benthic diatom communities and modify the functional features of lowland streams - a nationwide scale study. Science of the Total Environment, 2019, 651, 357-366.	8.0	44
47	Seasonal and inter-annual community structure characteristics of zooplankton driven by water environment factors in a sub-lake of Lake Poyang, China. PeerJ, 2019, 7, e7590.	2.0	19
48	Hydrological and environmental variables outperform spatial factors in structuring species, trait composition, and beta diversity of pelagic algae. Ecology and Evolution, 2018, 8, 2947-2961.	1.9	40
49	Seasonal and spatial variations of microcystins in Poyang Lake, the largest freshwater lake in China. Environmental Science and Pollution Research, 2018, 25, 6300-6307.	5.3	24
50	Riverine phytoplankton shifting along a lentic-lotic continuum under hydrological, physiochemical conditions and species dispersal. Science of the Total Environment, 2018, 619-620, 1628-1636.	8.0	40
51	Factors associated with blooms of cyanobacteria in a large shallow lake, China. Environmental Sciences Europe, 2018, 30, 27.	5.5	26
52	Length-weight relationships of two fish species from the Jialing River, the largest tributary of the upper Yangtze River, China. Journal of Applied Ichthyology, 2018, 34, 1373-1375.	0.7	4
53	Global trends in phytoplankton research of river ecosystems during 1991â€“2016: A bibliometric analysis. Fundamental and Applied Limnology, 2018, 191, 25-36.	0.7	5
54	Effects of land-use pattern and physiochemical conditions on phytoplankton communities in a German lowland catchment. Fundamental and Applied Limnology, 2018, 191, 175-187.	0.7	11

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55	Effects of hydrological variables on structuring morphological trait (cell size) of diatom community in a lowland river. Ecological Indicators, 2018, 94, 207-217.	6.3	14
56	Diatoms as an indicator for tile drainage flow in a German lowland catchment. Environmental Sciences Europe, 2018, 30, 4.	5.5	5
57	Using river microalgae as indicators for freshwater biomonitoring: Review of published research and future directions. Ecological Indicators, 2017, 81, 124-131.	6.3	98
58	Importance of sampling frequency when collecting diatoms. Scientific Reports, 2016, 6, 36950.	3.3	19
59	Spatio-temporal patterns and predictions of phytoplankton assemblages in a subtropical river delta system. Fundamental and Applied Limnology, 2016, 187, 335-349.	0.7	14
60	Modeling daily chlorophyll a dynamics in a German lowland river using artificial neural networks and multiple linear regression approaches. Limnology, 2014, 15, 47-56.	1.5	38
61	Contribution of microspatial factors to benthic diatom communities. Hydrobiologia, 2014, 732, 49-60.	2.0	8
62	Disentangling the roles of spatial and environmental variables in shaping benthic algal assemblages in rivers of central and northern China. Aquatic Ecology, 2013, 47, 453-466.	1.5	19
63	Development and testing of a phytoplankton index of biotic integrity (P-IBI) for a German lowland river. Ecological Indicators, 2012, 13, 158-167.	6.3	89
64	Development and evaluation of a diatom-based index of biotic integrity (D-IBI) for rivers impacted by run-of-river dams. Ecological Indicators, 2012, 18, 108-117.	6.3	59
65	Characterizing macroinvertebrate communities across China: Large-scale implementation of a self-organizing map. Ecological Indicators, 2012, 23, 394-401.	6.3	14
66	A comparison of phytoplankton assemblages generated by two sampling protocols in a German lowland catchment. Annales De Limnologie, 2011, 47, 313-323.	0.6	11
67	Distribution of phytoplankton in a German lowland river in relation to environmental factors. Journal of Plankton Research, 2011, 33, 807-820.	1.8	83
68	Temporal impacts of a small hydropower plant on benthic algal community. Fundamental and Applied Limnology, 2010, 177, 257-266.	0.7	16
69	Impacts of cascade run-of-river dams on benthic diatoms in the Xiangxi River, China. Aquatic Sciences, 2010, 72, 117-125.	1.5	42
70	Effects of heavy metals on benthic macroinvertebrate communities in high mountain streams. Annales De Limnologie, 2010, 46, 291-302.	0.6	40
71	Spatial distribution of benthic algae in the Gangqu River, Shangrila, China. Aquatic Ecology, 2009, 43, 37-49.	1.5	13
72	Changes in benthic algal communities following construction of a run-of-river dam. Journal of the North American Benthological Society, 2009, 28, 69-79.	3.1	43

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73	Impacts of cascaded small hydropower plants on microzooplankton in Xiangxi River, China. Acta Ecologica Sinica, 2009, 29, 62-68.	1.9	22
74	Impacts of a Small Dam on Riverine Zooplankton. International Review of Hydrobiology, 2008, 93, 297-311.	0.9	43
75	Impacts of small hydropower plants on macroinvertebrate communities. Acta Ecologica Sinica, 2008, 28, 45-52.	1.9	44
76	Benthic Algae of the Gangqu River, Shangrila, China. Journal of Freshwater Ecology, 2007, 22, 151-153.	1.2	2