

Naicheng Wu

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

1,677
citations

279778

23
h-index

345203

36
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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. <i>Environmental Science and Pollution Research</i> , 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. <i>Science of the Total Environment</i> , 2022, 803, 149894. | 8.0 | 7 |
| 3 | Nitrous acid emission from soil bacteria and related environmental effect over the North China Plain. <i>Chemosphere</i> , 2022, 287, 132034. | 8.2 | 3 |
| 4 | Epiphytic biofilms in freshwater and interactions with macrophytes: Current understanding and future directions. <i>Aquatic Botany</i> , 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. <i>Science of the Total Environment</i> , 2022, 813, 152566. | 8.0 | 19 |
| 6 | Evolving framework of studies on global gulf ecosystems with Sustainable Development Goals. <i>Environmental Science and Pollution Research</i> , 2022, 29, 18385-18397. | 5.3 | 4 |
| 7 | Integrated Ecohydrological Models in Aquatic Ecosystems. <i>Water (Switzerland)</i> , 2022, 14, 204. | 2.7 | 0 |
| 8 | Environment regimes play an important role in structuring trait- and taxonomy-based temporal beta diversity of riverine diatoms. <i>Journal of Ecology</i> , 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). <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4089. | 2.6 | 2 |
| 10 | Small Run-of-River Dams Affect Taxonomic and Functional β -Diversity, Community Assembly Process of Benthic Diatoms. <i>Frontiers in Ecology and Evolution</i> , 2022, 10, . | 2.2 | 0 |
| 11 | Microeukaryotic Community Shifting Along a Lentic-Lotic Continuum. <i>Frontiers in Ecology and Evolution</i> , 2022, 10, . | 2.2 | 1 |
| 12 | Fine sediment and flow velocity impact bacterial community and functional profile more than nutrient enrichment. <i>Ecological Applications</i> , 2021, 31, e02212. | 3.8 | 8 |
| 13 | The effects of flood pulse on multiple aquatic organisms in a seasonal shallow lake. <i>Aquatic Ecology</i> , 2021, 55, 379-399. | 1.5 | 6 |
| 14 | Improving biological condition assessment accuracy by multimetric index approach with microalgae in streams and lakes. <i>Science of the Total Environment</i> , 2021, 771, 145417. | 8.0 | 5 |
| 15 | Phytoplankton functional groups as ecological indicators in a subtropical estuarine river delta system. <i>Ecological Indicators</i> , 2021, 126, 107651. | 6.3 | 18 |
| 16 | Spatial and local environmental factors outweigh geo-climatic gradients in structuring taxonomically and trait-based β -diversity of benthic algae. <i>Journal of Biogeography</i> , 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. <i>Science of the Total Environment</i> , 2021, 780, 146481. | 8.0 | 32 |
| 18 | Geomorphology and vegetation drive hydrochemistry changes in two Northeast Greenland streams. <i>Hydrological Processes</i> , 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. <i>Ecological Indicators</i> , 2021, 129, 107939. | 6.3 | 5 |
| 20 | Freshwater biodiversity at different habitats: Research hotspots with persistent and emerging themes. <i>Ecological Indicators</i> , 2021, 129, 107926. | 6.3 | 10 |
| 21 | Phylogenetic and functional diversity could be better indicators of macroinvertebrate community stability. <i>Ecological Indicators</i> , 2021, 129, 107892. | 6.3 | 15 |
| 22 | Microbial biofilm community dynamics in five lowland streams. <i>Science of the Total Environment</i> , 2021, 798, 149169. | 8.0 | 10 |
| 23 | Impacts of multiple anthropogenic stressors on stream macroinvertebrate community composition and functional diversity. <i>Ecology and Evolution</i> , 2021, 11, 133-152. | 1.9 | 26 |
| 24 | Editorial: Impacts of Habitat Transformation on Species, Biodiversity and Ecosystems in Asia. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, . | 2.2 | 0 |
| 25 | Effects of the herbicides metazachlor and flufenacet on phytoplankton communities – A microcosm assay. <i>Ecotoxicology and Environmental Safety</i> , 2021, 228, 113036. | 6.0 | 13 |
| 26 | Epiphyton in Agricultural Streams: Structural Control and Comparison to Epilithon. <i>Water (Switzerland)</i> , 2021, 13, 3443. | 2.7 | 3 |
| 27 | Elevation, aspect, and local environment jointly determine diatom and macroinvertebrate diversity in the Cangshan Mountain, Southwest China. <i>Ecological Indicators</i> , 2020, 108, 105618. | 6.3 | 23 |
| 28 | Anthropogenic stressors affect fungal more than bacterial communities in decaying leaf litter: A stream mesocosm experiment. <i>Science of the Total Environment</i> , 2020, 716, 135053. | 8.0 | 23 |
| 29 | Metacommunity Structures of Macroinvertebrates and Diatoms in High Mountain Streams, Yunnan, China. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, . | 2.2 | 5 |
| 30 | Short-period hydrological regimes override physico-chemical variables in shaping stream diatom traits, biomass and biofilm community functions. <i>Science of the Total Environment</i> , 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. <i>Ecological Indicators</i> , 2020, 117, 106673. | 6.3 | 18 |
| 32 | Curved filaments of <i>Aulacoseira</i> complex as ecological indicators in the Pearl River, China. <i>Ecological Indicators</i> , 2020, 118, 106722. | 6.3 | 9 |
| 33 | Evaluating ecosystem functioning following river restoration: the role of hydromorphology, bacteria, and macroinvertebrates. <i>Science of the Total Environment</i> , 2020, 743, 140583. | 8.0 | 19 |
| 34 | Spatio-temporal patterns and predictions of size-fractionated chlorophyll a in a large subtropical river, China. <i>Journal of Freshwater Ecology</i> , 2020, 35, 1-12. | 1.2 | 3 |
| 35 | <i>Gemmatimonas groenlandica</i> sp. nov. Is an Aerobic Anoxygenic Phototroph in the Phylum Gemmatimonadetes. <i>Frontiers in Microbiology</i> , 2020, 11, 606612. | 3.5 | 48 |
| 36 | The aquatic microbial community: a bibliometric analysis of global research trends (1991–2018). <i>Fundamental and Applied Limnology</i> , 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. <i>Journal of Environmental Biology</i> , 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. <i>Ecological Indicators</i> , 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. <i>Sustainability</i> , 2019, 11, 1135. | 3.2 | 18 |
| 41 | Beta Diversity Partitioning and Drivers of Variations in Fish Assemblages in a Headwater Stream: Lijiang River, China. <i>Water (Switzerland)</i> , 2019, 11, 680. | 2.7 | 5 |
| 42 | Trait dependent roles of environmental factors, spatial processes and grazing pressure on lake phytoplankton metacommunity. <i>Ecological Indicators</i> , 2019, 103, 312-320. | 6.3 | 25 |
| 43 | Microbial Organic Matter Utilization in High-Arctic Streams: Key Enzymatic Controls. <i>Microbial Ecology</i> , 2019, 78, 539-554. | 2.8 | 17 |
| 44 | Riverine phytoplankton functional groups response to multiple stressors variously depending on hydrological periods. <i>Ecological Indicators</i> , 2019, 101, 41-49. | 6.3 | 32 |
| 45 | How successful are the restoration efforts of China's lakes and reservoirs?. <i>Environment International</i> , 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. <i>Science of the Total Environment</i> , 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. <i>PeerJ</i> , 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. <i>Ecology and Evolution</i> , 2018, 8, 2947-2961. | 1.9 | 40 |
| 49 | Seasonal and spatial variations of microcystins in Poyang Lake, the largest freshwater lake in China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 6300-6307. | 5.3 | 24 |
| 50 | Riverine phytoplankton shifting along a lentic-lotic continuum under hydrological, physiochemical conditions and species dispersal. <i>Science of the Total Environment</i> , 2018, 619-620, 1628-1636. | 8.0 | 40 |
| 51 | Factors associated with blooms of cyanobacteria in a large shallow lake, China. <i>Environmental Sciences Europe</i> , 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. <i>Journal of Applied Ichthyology</i> , 2018, 34, 1373-1375. | 0.7 | 4 |
| 53 | Global trends in phytoplankton research of river ecosystems during 1991â€“2016: A bibliometric analysis. <i>Fundamental and Applied Limnology</i> , 2018, 191, 25-36. | 0.7 | 5 |
| 54 | Effects of land-use pattern and physiochemical conditions on phytoplankton communities in a German lowland catchment. <i>Fundamental and Applied Limnology</i> , 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. <i>Ecological Indicators</i> , 2018, 94, 207-217. | 6.3 | 14 |
| 56 | Diatoms as an indicator for tile drainage flow in a German lowland catchment. <i>Environmental Sciences Europe</i> , 2018, 30, 4. | 5.5 | 5 |
| 57 | Using river microalgae as indicators for freshwater biomonitoring: Review of published research and future directions. <i>Ecological Indicators</i> , 2017, 81, 124-131. | 6.3 | 98 |
| 58 | Importance of sampling frequency when collecting diatoms. <i>Scientific Reports</i> , 2016, 6, 36950. | 3.3 | 19 |
| 59 | Spatio-temporal patterns and predictions of phytoplankton assemblages in a subtropical river delta system. <i>Fundamental and Applied Limnology</i> , 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. <i>Limnology</i> , 2014, 15, 47-56. | 1.5 | 38 |
| 61 | Contribution of microspatial factors to benthic diatom communities. <i>Hydrobiologia</i> , 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. <i>Aquatic Ecology</i> , 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. <i>Ecological Indicators</i> , 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. <i>Ecological Indicators</i> , 2012, 18, 108-117. | 6.3 | 59 |
| 65 | Characterizing macroinvertebrate communities across China: Large-scale implementation of a self-organizing map. <i>Ecological Indicators</i> , 2012, 23, 394-401. | 6.3 | 14 |
| 66 | A comparison of phytoplankton assemblages generated by two sampling protocols in a German lowland catchment. <i>Annales De Limnologie</i> , 2011, 47, 313-323. | 0.6 | 11 |
| 67 | Distribution of phytoplankton in a German lowland river in relation to environmental factors. <i>Journal of Plankton Research</i> , 2011, 33, 807-820. | 1.8 | 83 |
| 68 | Temporal impacts of a small hydropower plant on benthic algal community. <i>Fundamental and Applied Limnology</i> , 2010, 177, 257-266. | 0.7 | 16 |
| 69 | Impacts of cascade run-of-river dams on benthic diatoms in the Xiangxi River, China. <i>Aquatic Sciences</i> , 2010, 72, 117-125. | 1.5 | 42 |
| 70 | Effects of heavy metals on benthic macroinvertebrate communities in high mountain streams. <i>Annales De Limnologie</i> , 2010, 46, 291-302. | 0.6 | 40 |
| 71 | Spatial distribution of benthic algae in the Gangqu River, Shangrila, China. <i>Aquatic Ecology</i> , 2009, 43, 37-49. | 1.5 | 13 |
| 72 | Changes in benthic algal communities following construction of a run-of-river dam. <i>Journal of the North American Benthological Society</i> , 2009, 28, 69-79. | 3.1 | 43 |

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