

# Boqiang Q Qin

## List of Publications by Year in descending order

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Version: 2024-02-01

256  
papers

16,492  
citations

14614

66  
h-index

19690

117  
g-index

260  
all docs

260  
docs citations

260  
times ranked

9042  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                               | IF  | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | Importance and vulnerability of lakes and reservoirs supporting drinking water in China. <i>Fundamental Research</i> , 2023, 3, 265-273.                                                                                              | 1.6 | 42        |
| 2  | High probability of nitrogen and phosphorus co-limitation occurring in eutrophic lakes. <i>Environmental Pollution</i> , 2022, 292, 118276.                                                                                           | 3.7 | 26        |
| 3  | Monitoring water quality using proximal remote sensing technology. <i>Science of the Total Environment</i> , 2022, 803, 149805.                                                                                                       | 3.9 | 63        |
| 4  | Wind induced algal migration manipulates sediment denitrification N-loss patterns in shallow Taihu Lake, China. <i>Water Research</i> , 2022, 209, 117887.                                                                            | 5.3 | 16        |
| 5  | Polluted lake restoration to promote sustainability in the Yangtze River Basin, China. <i>National Science Review</i> , 2022, 9, nwab207.                                                                                             | 4.6 | 24        |
| 6  | Reconsideration of wind stress, wind waves, and turbulence in simulating wind-driven currents of shallow lakes in the Wave and Current Coupled Model (WCCM) version 1.0. <i>Geoscientific Model Development</i> , 2022, 15, 745-769.  | 1.3 | 8         |
| 7  | Temporal dependence of chlorophyll a-nutrient relationships in Lake Taihu: Drivers and management implications. <i>Journal of Environmental Management</i> , 2022, 306, 114476.                                                       | 3.8 | 25        |
| 8  | Spatiotemporal dependency of resource use efficiency on phytoplankton diversity in Lake Taihu. <i>Limnology and Oceanography</i> , 2022, 67, 830-842.                                                                                 | 1.6 | 10        |
| 9  | Unraveling the Role of Anthropogenic and Natural Drivers in Shaping the Molecular Composition and Biolability of Dissolved Organic Matter in Non-pristine Lakes. <i>Environmental Science &amp; Technology</i> , 2022, 56, 4655-4664. | 4.6 | 36        |
| 10 | Water clarity mapping of global lakes using a novel hybrid deep-learning-based recurrent model with Landsat OLI images. <i>Water Research</i> , 2022, 215, 118241.                                                                    | 5.3 | 24        |
| 11 | Eutrophication and temperature drive large variability in carbon dioxide from China's Lake Taihu. <i>Limnology and Oceanography</i> , 2022, 67, 379-391.                                                                              | 1.6 | 36        |
| 12 | Salinity Is a Key Determinant for the Microeukaryotic Community in Lake Ecosystems of the Inner Mongolia Plateau, China. <i>Frontiers in Microbiology</i> , 2022, 13, 841686.                                                         | 1.5 | 4         |
| 13 | Imbalance of global nutrient cycles exacerbated by the greater retention of phosphorus over nitrogen in lakes. <i>Nature Geoscience</i> , 2022, 15, 464-468.                                                                          | 5.4 | 35        |
| 14 | Anthropogenic eutrophication of shallow lakes: Is it occasional?. <i>Water Research</i> , 2022, 221, 118728.                                                                                                                          | 5.3 | 63        |
| 15 | Six decades of field observations reveal how anthropogenic pressure changes the coverage and community of submerged aquatic vegetation in a eutrophic lake. <i>Science of the Total Environment</i> , 2022, 842, 156878.              | 3.9 | 15        |
| 16 | Variation in Short-term Temperature Fluctuations Across China During the Past 60 Years. <i>Chinese Geographical Science</i> , 2022, 32, 563-579.                                                                                      | 1.2 | 0         |
| 17 | A ground-based remote sensing system for high-frequency and real-time monitoring of phytoplankton blooms. <i>Journal of Hazardous Materials</i> , 2022, 439, 129623.                                                                  | 6.5 | 19        |
| 18 | Elucidating phytoplankton limiting factors in lakes and reservoirs of the Chinese Eastern Plains ecoregion. <i>Journal of Environmental Management</i> , 2022, 318, 115542.                                                           | 3.8 | 5         |

| #  | ARTICLE                                                                                                                                                                                                                            | IF  | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Responses of alkaline phosphatase activity to wind-driven waves in a large, shallow lake: Implications for phosphorus availability and algal blooms. <i>Journal of Environmental Sciences</i> , 2021, 99, 143-150.                 | 3.2 | 10        |
| 20 | Simulating chlorophyll-a fluorescence changing rate and phycocyanin fluorescence by using a multi-sensor system in Lake Taihu, China. <i>Chemosphere</i> , 2021, 264, 128482.                                                      | 4.2 | 4         |
| 21 | Response of community composition and biomass of submerged macrophytes to variation in underwater light, wind and trophic status in a large eutrophic shallow lake. <i>Journal of Environmental Sciences</i> , 2021, 103, 298-310. | 3.2 | 23        |
| 22 | Exploring and quantifying the relationship between instantaneous wind speed and turbidity in a large shallow lake: case study of Lake Taihu in China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 16616-16632. | 2.7 | 7         |
| 23 | Contributions of external nutrient loading and internal cycling to cyanobacterial bloom dynamics in Lake Taihu, China: Implications for nutrient management. <i>Limnology and Oceanography</i> , 2021, 66, 1492-1509.              | 1.6 | 86        |
| 24 | Strong turbulence accelerates sediment nitrification-denitrification for nitrogen loss in shallow lakes. <i>Science of the Total Environment</i> , 2021, 761, 143210.                                                              | 3.9 | 24        |
| 25 | A new perspective of copper-iron effects on bloom-forming algae in a highly impacted environment. <i>Water Research</i> , 2021, 195, 116889.                                                                                       | 5.3 | 10        |
| 26 | Extreme Climate Anomalies Enhancing Cyanobacterial Blooms in Eutrophic Lake Taihu, China. <i>Water Resources Research</i> , 2021, 57, e2020WR029371.                                                                               | 1.7 | 60        |
| 27 | Water clarity response to climate warming and wetting of the Inner Mongolia-Xinjiang Plateau: A remote sensing approach. <i>Science of the Total Environment</i> , 2021, 796, 148916.                                              | 3.9 | 11        |
| 28 | Aquatic Bacterial Diversity, Community Composition and Assembly in the Semi-Arid Inner Mongolia Plateau: Combined Effects of Salinity and Nutrient Levels. <i>Microorganisms</i> , 2021, 9, 208.                                   | 1.6 | 34        |
| 29 | Atmospheric Stilling Promotes Summer Algal Growth in Eutrophic Shallow Lakes. <i>Biology</i> , 2021, 10, 1222.                                                                                                                     | 1.3 | 1         |
| 30 | Environmental controls of harmful cyanobacterial blooms in Chinese inland waters. <i>Harmful Algae</i> , 2021, 110, 102127.                                                                                                        | 2.2 | 28        |
| 31 | Convergency and Stability Responses of Bacterial Communities to Salinization in Arid and Semiarid Areas: Implications for Global Climate Change in Lake Ecosystems. <i>Frontiers in Microbiology</i> , 2021, 12, 741645.           | 1.5 | 4         |
| 32 | Mitigating a global expansion of toxic cyanobacterial blooms: confounding effects and challenges posed by climate change. <i>Marine and Freshwater Research</i> , 2020, 71, 579.                                                   | 0.7 | 63        |
| 33 | Optimized methods for diffusive greenhouse gas flux analyses in inland waters. <i>Environmental Science and Pollution Research</i> , 2020, 27, 25870-25876.                                                                        | 2.7 | 1         |
| 34 | Mitigating eutrophication and toxic cyanobacterial blooms in large lakes: The evolution of a dual nutrient (N and P) reduction paradigm. <i>Hydrobiologia</i> , 2020, 847, 4359-4375.                                              | 1.0 | 100       |
| 35 | A study of bioavailable phosphorus in the inflowing rivers of Lake Taihu, China. <i>Aquatic Sciences</i> , 2020, 82, 1.                                                                                                            | 0.6 | 9         |
| 36 | The global <i>Microcystis</i> interactome. <i>Limnology and Oceanography</i> , 2020, 65, S194-S207.                                                                                                                                | 1.6 | 63        |

| #  | ARTICLE                                                                                                                                                                                                                      | IF  | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Eutrophic Lake Taihu as a significant CO <sub>2</sub> source during 2000–2015. <i>Water Research</i> , 2020, 170, 115331.                                                                                                    | 5.3 | 85        |
| 38 | Are nitrogen-to-phosphorus ratios of Chinese lakes actually increasing?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21000-21002.                                    | 3.3 | 23        |
| 39 | Quantitative high-throughput approach to chalkophore screening in freshwaters. <i>Science of the Total Environment</i> , 2020, 735, 139476.                                                                                  | 3.9 | 5         |
| 40 | Understanding the long-term trend of particulate phosphorus in a cyanobacteria-dominated lake using MODIS-Aqua observations. <i>Science of the Total Environment</i> , 2020, 737, 139736.                                    | 3.9 | 25        |
| 41 | Identifying spatio-temporal dynamics of trace metals in shallow eutrophic lakes on the basis of a case study in Lake Taihu, China. <i>Environmental Pollution</i> , 2020, 264, 114802.                                       | 3.7 | 26        |
| 42 | Use of conductivity to indicate long-term changes in pollution processes in Lake Taihu, a large shallow lake. <i>Environmental Science and Pollution Research</i> , 2020, 27, 21376-21385.                                   | 2.7 | 15        |
| 43 | Advances in freshwater risk assessment: improved accuracy of dissolved organic matter-metal speciation prediction and rapid biological validation. <i>Ecotoxicology and Environmental Safety</i> , 2020, 202, 110848.        | 2.9 | 10        |
| 44 | Radiation dimming and decreasing water clarity fuel underwater darkening in lakes. <i>Science Bulletin</i> , 2020, 65, 1675-1684.                                                                                            | 4.3 | 38        |
| 45 | Algal Accumulation Decreases Sediment Nitrogen Removal by Uncoupling Nitrification-Denitrification in Shallow Eutrophic Lakes. <i>Environmental Science &amp; Technology</i> , 2020, 54, 6194-6201.                          | 4.6 | 76        |
| 46 | Decreasing underwater ultraviolet radiation exposure strongly driven by increasing ultraviolet attenuation in lakes in eastern and southwest China. <i>Science of the Total Environment</i> , 2020, 720, 137694.             | 3.9 | 15        |
| 47 | Are nitrous oxide emissions indirectly fueled by input of terrestrial dissolved organic nitrogen in a large eutrophic Lake Taihu, China?. <i>Science of the Total Environment</i> , 2020, 722, 138005.                       | 3.9 | 11        |
| 48 | Water Depth Underpins the Relative Roles and Fates of Nitrogen and Phosphorus in Lakes. <i>Environmental Science &amp; Technology</i> , 2020, 54, 3191-3198.                                                                 | 4.6 | 247       |
| 49 | Water column nutrient concentrations are related to excretion by benthic invertebrates in Lake Taihu, China. <i>Environmental Pollution</i> , 2020, 261, 114161.                                                             | 3.7 | 8         |
| 50 | Relationships between nutrient, chlorophyll a and Secchi depth in lakes of the Chinese Eastern Plains ecoregion: Implications for eutrophication management. <i>Journal of Environmental Management</i> , 2020, 260, 109923. | 3.8 | 68        |
| 51 | Regional-scale investigation of dissolved organic matter and lead binding in a large impacted lake with a focus on environmental risk assessment. <i>Water Research</i> , 2020, 172, 115478.                                 | 5.3 | 29        |
| 52 | Winter Climate Shapes Spring Phytoplankton Development in Non-ice-Covered Lakes: Subtropical Lake Taihu as an Example. <i>Water Resources Research</i> , 2020, 56, e2019WR026680.                                            | 1.7 | 20        |
| 53 | Quantifying the dependence of cyanobacterial growth to nutrient for the eutrophication management of temperate-subtropical shallow lakes. <i>Water Research</i> , 2020, 177, 115806.                                         | 5.3 | 32        |
| 54 | Decreasing nitrogen loading and climate change promotes the occurrence of nitrogen-fixing cyanobacteria in a restored city lake. <i>Hydrobiologia</i> , 2020, 847, 2963-2975.                                                | 1.0 | 5         |

| #  | ARTICLE                                                                                                                                                                                                              | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Long-term variation of zooplankton communities in a large, heterogenous lake: Implications for future environmental change scenarios. <i>Environmental Research</i> , 2020, 187, 109704.                             | 3.7 | 14        |
| 56 | Emerging role of dissolved organic nitrogen in supporting algal bloom persistence in Lake Taihu, China: Emphasis on internal transformations. <i>Science of the Total Environment</i> , 2020, 736, 139497.           | 3.9 | 39        |
| 57 | A semi-analytical approach for remote sensing of trophic state in inland waters: Bio-optical mechanism and application. <i>Remote Sensing of Environment</i> , 2019, 232, 111349.                                    | 4.6 | 48        |
| 58 | Remote sensing of cyanobacterial blooms in inland waters: present knowledge and future challenges. <i>Science Bulletin</i> , 2019, 64, 1540-1556.                                                                    | 4.3 | 103       |
| 59 | Remote Sensing of Secchi Depth in Highly Turbid Lake Waters and Its Application with MERIS Data. <i>Remote Sensing</i> , 2019, 11, 2226.                                                                             | 1.8 | 30        |
| 60 | Major advances in studies of the physical geography and living environment of China during the past 70 years and future prospects. <i>Science China Earth Sciences</i> , 2019, 62, 1665-1701.                        | 2.3 | 58        |
| 61 | Catastrophic effects of sand mining on macroinvertebrates in a large shallow lake with implications for management. <i>Science of the Total Environment</i> , 2019, 695, 133706.                                     | 3.9 | 32        |
| 62 | Dynamics of spatiotemporal heterogeneity of cyanobacterial blooms in large eutrophic Lake Taihu, China. <i>Hydrobiologia</i> , 2019, 833, 81-93.                                                                     | 1.0 | 22        |
| 63 | The effect of wind speed decline on macroinvertebrates in Lake Taihu, China. <i>Science of the Total Environment</i> , 2019, 662, 481-489.                                                                           | 3.9 | 10        |
| 64 | High Temporal Resolution Monitoring of Suspended Matter Changes from GOCI Measurements in Lake Taihu. <i>Remote Sensing</i> , 2019, 11, 985.                                                                         | 1.8 | 15        |
| 65 | The adaptations to tube-dwelling life of <i>Propiloscerus akamusi</i> (Diptera: Chironomidae) larvae and its eutrophication-tolerant mechanisms. <i>Limnologia</i> , 2019, 77, 125684.                               | 0.7 | 7         |
| 66 | Climate exerts a greater modulating effect on the phytoplankton community after 2007 in eutrophic Lake Taihu, China: Evidence from 25 years of recordings. <i>Ecological Indicators</i> , 2019, 105, 82-91.          | 2.6 | 36        |
| 67 | Metacommunity ecology meets bioassessment: Assessing spatio-temporal variation in multiple facets of macroinvertebrate diversity in human-influenced large lakes. <i>Ecological Indicators</i> , 2019, 103, 713-721. | 2.6 | 22        |
| 68 | The relative importance of weather and nutrients determining phytoplankton assemblages differs between seasons in large Lake Taihu, China. <i>Aquatic Sciences</i> , 2019, 81, 1.                                    | 0.6 | 30        |
| 69 | Toxicological and ecotoxicological evaluation of the water quality in a large and eutrophic freshwater lake of China. <i>Science of the Total Environment</i> , 2019, 667, 809-820.                                  | 3.9 | 19        |
| 70 | Data on response of in situ algal phytoplankton assemblages to micronutrient treatment in small-scale mesocosms for a large hypereutrophic lake. <i>Data in Brief</i> , 2019, 24, 103778.                            | 0.5 | 0         |
| 71 | Characteristics and development trends of ecohydrology in lakes and reservoirs “ insights from bibliometrics. <i>Ecohydrology</i> , 2019, 12, e2080.                                                                 | 1.1 | 8         |
| 72 | Phenology of Phytoplankton Blooms in a Trophic Lake Observed from Long-Term MODIS Data. <i>Environmental Science &amp; Technology</i> , 2019, 53, 2324-2331.                                                         | 4.6 | 96        |

| #  | ARTICLE                                                                                                                                                                                                                  | IF  | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Why Lake Taihu continues to be plagued with cyanobacterial blooms through 10 years (2007–2017) efforts. <i>Science Bulletin</i> , 2019, 64, 354-356.                                                                     | 4.3 | 243       |
| 74 | Effect of micronutrients on algae in different regions of Taihu, a large, spatially diverse, hypereutrophic lake. <i>Water Research</i> , 2019, 151, 500-514.                                                            | 5.3 | 39        |
| 75 | Impact of nutrient loading on phytoplankton: a mesocosm experiment in the eutrophic Lake Taihu, China. <i>Hydrobiologia</i> , 2019, 829, 167-187.                                                                        | 1.0 | 13        |
| 76 | Highly time-resolved analysis of seasonal water dynamics and algal kinetics based on in-situ multi-sensor-system monitoring data in Lake Taihu, China. <i>Science of the Total Environment</i> , 2019, 660, 329-339.     | 3.9 | 24        |
| 77 | Spatial and temporal distribution characteristics of different forms of inorganic nitrogen in three types of rivers around Lake Taihu, China. <i>Environmental Science and Pollution Research</i> , 2019, 26, 6898-6910. | 2.7 | 22        |
| 78 | Spatial distribution of sediment nitrogen and phosphorus in Lake Taihu from a hydrodynamics-induced transport perspective. <i>Science of the Total Environment</i> , 2019, 650, 1554-1565.                               | 3.9 | 118       |
| 79 | Characteristics of sediment resuspension in Lake Taihu, China: A wave flume study. <i>Journal of Hydrology</i> , 2018, 561, 702-710.                                                                                     | 2.3 | 36        |
| 80 | Optical properties and composition changes in chromophoric dissolved organic matter along trophic gradients: Implications for monitoring and assessing lake eutrophication. <i>Water Research</i> , 2018, 131, 255-263.  | 5.3 | 132       |
| 81 | Internal phosphorus loading from sediments causes seasonal nitrogen limitation for harmful algal blooms. <i>Science of the Total Environment</i> , 2018, 625, 872-884.                                                   | 3.9 | 225       |
| 82 | Deteriorating water clarity in shallow waters: Evidence from long term MODIS and in-situ observations. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018, 68, 287-297.                 | 1.4 | 71        |
| 83 | Effects of turbulence on carbon emission in shallow lakes. <i>Journal of Environmental Sciences</i> , 2018, 69, 166-172.                                                                                                 | 3.2 | 15        |
| 84 | The synergetic effects of turbulence and turbidity on the zooplankton community structure in large, shallow Lake Taihu. <i>Environmental Science and Pollution Research</i> , 2018, 25, 1168-1175.                       | 2.7 | 23        |
| 85 | Features and impacts of currents and waves on sediment resuspension in a large shallow lake in China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 36341-36354.                                       | 2.7 | 20        |
| 86 | Effects of climatically-modulated changes in solar radiation and wind speed on spring phytoplankton community dynamics in Lake Taihu, China. <i>PLoS ONE</i> , 2018, 13, e0205260.                                       | 1.1 | 14        |
| 87 | The contribution of wind wave changes on diminishing ice period in Lake Pyhäjärvi during the last half-century. <i>Environmental Science and Pollution Research</i> , 2018, 25, 24895-24906.                             | 2.7 | 2         |
| 88 | Field Observation of Different Wind-Induced Basin-Scale Current Field Dynamics in a Large, Polymictic, Eutrophic Lake. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 6945-6961.                            | 1.0 | 16        |
| 89 | How autochthonous dissolved organic matter responds to eutrophication and climate warming: Evidence from a cross-continental data analysis and experiments. <i>Earth-Science Reviews</i> , 2018, 185, 928-937.           | 4.0 | 98        |
| 90 | Seasonal Gene Expression and the Ecophysiological Implications of Toxic <i>Microcystis aeruginosa</i> Blooms in Lake Taihu. <i>Environmental Science &amp; Technology</i> , 2018, 52, 11049-11059.                       | 4.6 | 79        |

| #   | ARTICLE                                                                                                                                                                                                                        | IF  | CITATIONS |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91  | Extreme weather event may induce <i>Microcystis</i> blooms in the Qiantang River, Southeast China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 22273-22284.                                                | 2.7 | 30        |
| 92  | Response of dissolved organic matter optical properties to net inflow runoff in a large fluvial plain lake and the connecting channels. <i>Science of the Total Environment</i> , 2018, 639, 876-887.                          | 3.9 | 25        |
| 93  | Long-term dynamics and drivers of phytoplankton biomass in eutrophic Lake Taihu. <i>Science of the Total Environment</i> , 2018, 645, 876-886.                                                                                 | 3.9 | 77        |
| 94  | Climatically-modulated decline in wind speed may strongly affect eutrophication in shallow lakes. <i>Science of the Total Environment</i> , 2018, 645, 1361-1370.                                                              | 3.9 | 109       |
| 95  | Spatiotemporal Changes of Cyanobacterial Bloom in Large Shallow Eutrophic Lake Taihu, China. <i>Frontiers in Microbiology</i> , 2018, 9, 451.                                                                                  | 1.5 | 80        |
| 96  | Characteristics and roles of <i>Microcystis</i> extracellular polymeric substances (EPS) in cyanobacterial blooms: a short review. <i>Journal of Freshwater Ecology</i> , 2018, 33, 183-193.                                   | 0.5 | 60        |
| 97  | Vertical sediment migrations of dominant midge species in subtropical lakes with implications for bioassessment. <i>Ecological Indicators</i> , 2018, 95, 711-719.                                                             | 2.6 | 6         |
| 98  | Accumulation of Terrestrial Dissolved Organic Matter Potentially Enhances Dissolved Methane Levels in Eutrophic Lake Taihu, China. <i>Environmental Science &amp; Technology</i> , 2018, 52, 10297-10306.                      | 4.6 | 76        |
| 99  | Profound Changes in the Physical Environment of Lake Taihu From 25 Years of Long-Term Observations: Implications for Algal Bloom Outbreaks and Aquatic Macrophyte Loss. <i>Water Resources Research</i> , 2018, 54, 4319-4331. | 1.7 | 82        |
| 100 | Long-term MODIS observations of cyanobacterial dynamics in Lake Taihu: Responses to nutrient enrichment and meteorological factors. <i>Scientific Reports</i> , 2017, 7, 40326.                                                | 1.6 | 139       |
| 101 | Potential rainfall-intensity and pH-driven shifts in the apparent fluorescent composition of dissolved organic matter in rainwater. <i>Environmental Pollution</i> , 2017, 224, 638-648.                                       | 3.7 | 34        |
| 102 | Improving water quality in China: Environmental investment pays dividends. <i>Water Research</i> , 2017, 118, 152-159.                                                                                                         | 5.3 | 140       |
| 103 | Two ultraviolet radiation datasets that cover China. <i>Advances in Atmospheric Sciences</i> , 2017, 34, 805-815.                                                                                                              | 1.9 | 20        |
| 104 | Relative roles of spatial processes, natural factors and anthropogenic stressors in structuring a lake macroinvertebrate metacommunity. <i>Science of the Total Environment</i> , 2017, 601-602, 1702-1711.                    | 3.9 | 60        |
| 105 | Effects of episodic sediment resuspension on phytoplankton in Lake Taihu: focusing on photosynthesis, biomass and community composition. <i>Aquatic Sciences</i> , 2017, 79, 617-629.                                          | 0.6 | 12        |
| 106 | Growth and Community Composition of Submerged Macrophytes in Lake Taihu (China): Assessment of Changes in Response to Sediment Characteristics. <i>Wetlands</i> , 2017, 37, 233-243.                                           | 0.7 | 8         |
| 107 | Excitation-emission matrix fluorescence and parallel factor analyses of the effects of N and P nutrients on the extracellular polymeric substances of <i>Microcystis aeruginosa</i> . <i>Limnologica</i> , 2017, 63, 18-26.    | 0.7 | 25        |
| 108 | Global loss of aquatic vegetation in lakes. <i>Earth-Science Reviews</i> , 2017, 173, 259-265.                                                                                                                                 | 4.0 | 249       |

| #   | ARTICLE                                                                                                                                                                                                                                         | IF  | CITATIONS |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | Whole-cell bioreporters and risk assessment of environmental pollution: A proof-of-concept study using lead. <i>Environmental Pollution</i> , 2017, 229, 902-910.                                                                               | 3.7 | 23        |
| 110 | The sensitivity and stability of bacterioplankton community structure to wind-wave turbulence in a large, shallow, eutrophic lake. <i>Scientific Reports</i> , 2017, 7, 16850.                                                                  | 1.6 | 3         |
| 111 | CO <sub>2</sub> alters community composition of freshwater phytoplankton: A microcosm experiment. <i>Science of the Total Environment</i> , 2017, 607-608, 69-77.                                                                               | 3.9 | 26        |
| 112 | Long-term nutrient trends and harmful cyanobacterial bloom potential in hypertrophic Lake Taihu, China. <i>Hydrobiologia</i> , 2017, 787, 229-242.                                                                                              | 1.0 | 122       |
| 113 | The persistence of cyanobacterial ( <i>Microcystis</i> spp.) blooms throughout winter in Lake Taihu, China. <i>Limnology and Oceanography</i> , 2016, 61, 711-722.                                                                              | 1.6 | 114       |
| 114 | Since 2015 the SinoGerman research project SIGN supports water quality improvement in the Taihu region, China. <i>Environmental Sciences Europe</i> , 2016, 28, 24.                                                                             | 2.6 | 15        |
| 115 | Abundance, characteristics, and size spectra of transparent exopolymer particles and Coomassie stainable particles during spring in a large shallow lake, Taihu, China. <i>Journal of Great Lakes Research</i> , 2016, 42, 455-463.             | 0.8 | 9         |
| 116 | Turbulence increases the risk of microcystin exposure in a eutrophic lake (Lake Taihu) during cyanobacterial bloom periods. <i>Harmful Algae</i> , 2016, 55, 213-220.                                                                           | 2.2 | 31        |
| 117 | Mitigating cyanobacterial harmful algal blooms in aquatic ecosystems impacted by climate change and anthropogenic nutrients. <i>Harmful Algae</i> , 2016, 54, 213-222.                                                                          | 2.2 | 453       |
| 118 | Global solutions to regional problems: Collecting global expertise to address the problem of harmful cyanobacterial blooms. A Lake Erie case study. <i>Harmful Algae</i> , 2016, 54, 223-238.                                                   | 2.2 | 231       |
| 119 | Effects of sediment and turbulence on alkaline phosphatase activity and photosynthetic activity of phytoplankton in the shallow hyper-eutrophic Lake Taihu, China. <i>Environmental Science and Pollution Research</i> , 2016, 23, 16183-16193. | 2.7 | 19        |
| 120 | Effects of Nutrient on Algae Biomass during Summer and Winter in Inflow Rivers of Taihu Basin, China. <i>Water Environment Research</i> , 2016, 88, 665-672.                                                                                    | 1.3 | 15        |
| 121 | A critical review of the development, current hotspots, and future directions of Lake Taihu research from the bibliometrics perspective. <i>Environmental Science and Pollution Research</i> , 2016, 23, 12811-12821.                           | 2.7 | 64        |
| 122 | Determining critical light and hydrologic conditions for macrophyte presence in a large shallow lake: The ratio of euphotic depth to water depth. <i>Ecological Indicators</i> , 2016, 71, 317-326.                                             | 2.6 | 32        |
| 123 | Meteorological and hydrological conditions driving the formation and disappearance of black blooms, an ecological disaster phenomena of eutrophication and algal blooms. <i>Science of the Total Environment</i> , 2016, 569-570, 1517-1529.    | 3.9 | 93        |
| 124 | Aquatic vegetation in response to increased eutrophication and degraded light climate in Eastern Lake Taihu: Implications for lake ecological restoration. <i>Scientific Reports</i> , 2016, 6, 23867.                                          | 1.6 | 124       |
| 125 | Characterizing cell surface of blooming <i>Microcystis</i> in Lake Taihu, China. <i>Water Science and Technology</i> , 2016, 73, 2731-2738.                                                                                                     | 1.2 | 14        |
| 126 | In-situ erosion of cohesive sediment in a large shallow lake experiencing long-term decline in wind speed. <i>Journal of Hydrology</i> , 2016, 539, 254-264.                                                                                    | 2.3 | 28        |



| #   | ARTICLE                                                                                                                                                                                                                              | IF  | CITATIONS |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 127 | Will enhanced turbulence in inland waters result in elevated production of autochthonous dissolved organic matter?. <i>Science of the Total Environment</i> , 2016, 543, 405-415.                                                    | 3.9 | 27        |
| 128 | Monitoring the river plume induced by heavy rainfall events in large, shallow, Lake Taihu using MODIS 250m imagery. <i>Remote Sensing of Environment</i> , 2016, 173, 109-121.                                                       | 4.6 | 106       |
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