

Boqiang Q Qin

List of Publications by Year in descending order

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256
papers

16,492
citations

14614

66
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all docs

260
docs citations

260
times ranked

9042
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlling harmful cyanobacterial blooms in a hyper-eutrophic lake (Lake Taihu, China): The need for a dual nutrient (N & P) management strategy. <i>Water Research</i> , 2011, 45, 1973-1983.	5.3	841
2	Environmental issues of Lake Taihu, China. <i>Hydrobiologia</i> , 2007, 581, 3-14.	1.0	835
3	Nitrogen and phosphorus inputs control phytoplankton growth in eutrophic Lake Taihu, China. <i>Limnology and Oceanography</i> , 2010, 55, 420-432.	1.6	823
4	A Drinking Water Crisis in Lake Taihu, China: Linkage to Climatic Variability and Lake Management. <i>Environmental Management</i> , 2010, 45, 105-112.	1.2	778
5	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
6	The contribution of phytoplankton degradation to chromophoric dissolved organic matter (CDOM) in eutrophic shallow lakes: Field and experimental evidence. <i>Water Research</i> , 2009, 43, 4685-4697.	5.3	409
7	Global loss of aquatic vegetation in lakes. <i>Earth-Science Reviews</i> , 2017, 173, 259-265.	4.0	249
8	Water Depth Underpins the Relative Roles and Fates of Nitrogen and Phosphorus in Lakes. <i>Environmental Science & Technology</i> , 2020, 54, 3191-3198.	4.6	247
9	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
10	Lake eutrophication and its ecosystem response. <i>Science Bulletin</i> , 2013, 58, 961-970.	1.7	236
11	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
12	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
13	Dynamics of sediment resuspension and the conceptual schema of nutrient release in the large shallow Lake Taihu, China. <i>Science Bulletin</i> , 2004, 49, 54-64.	1.7	224
14	Resolving the variability of CDOM fluorescence to differentiate the sources and fate of DOM in Lake Taihu and its tributaries. <i>Chemosphere</i> , 2011, 82, 145-155.	4.2	209
15	Long-term remote monitoring of total suspended matter concentration in Lake Taihu using 250m MODIS-Aqua data. <i>Remote Sensing of Environment</i> , 2015, 164, 43-56.	4.6	197
16	Cyanobacterial bloom management through integrated monitoring and forecasting in large shallow eutrophic Lake Taihu (China). <i>Journal of Hazardous Materials</i> , 2015, 287, 356-363.	6.5	183
17	Nitrogen dynamics and microbial food web structure during a summer cyanobacterial bloom in a subtropical, shallow, well-mixed, eutrophic lake (Lake Taihu, China). <i>Hydrobiologia</i> , 2007, 581, 195-207.	1.0	158
18	Influence of algal bloom degradation on nutrient release at the sediment-water interface in Lake Taihu, China. <i>Environmental Science and Pollution Research</i> , 2013, 20, 1803-1811.	2.7	142

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19	Compositional differences of chromophoric dissolved organic matter derived from phytoplankton and macrophytes. <i>Organic Geochemistry</i> , 2013, 55, 26-37.	0.9	140
20	Improving water quality in China: Environmental investment pays dividends. <i>Water Research</i> , 2017, 118, 152-159.	5.3	140
21	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
22	Earlier and warmer springs increase cyanobacterial (<i>Microcystis</i> spp.) blooms in subtropical Lake Taihu, China. <i>Freshwater Biology</i> , 2014, 59, 1076-1085.	1.2	138
23	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
24	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
25	Long-term nutrient trends and harmful cyanobacterial bloom potential in hypertrophic Lake Taihu, China. <i>Hydrobiologia</i> , 2017, 787, 229-242.	1.0	122
26	Nutrient limitation dynamics examined on a multi-annual scale in Lake Taihu, China: implications for controlling eutrophication and harmful algal blooms. <i>Journal of Freshwater Ecology</i> , 2015, 30, 5-24.	0.5	120
27	The role of tropical cyclones in stimulating cyanobacterial (<i>Microcystis</i> spp.) blooms in hypertrophic Lake Taihu, China. <i>Harmful Algae</i> , 2014, 39, 310-321.	2.2	118
28	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
29	Long-Term Satellite Observations of Microcystin Concentrations in Lake Taihu during Cyanobacterial Bloom Periods. <i>Environmental Science & Technology</i> , 2015, 49, 6448-6456.	4.6	116
30	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
31	Estimation of internal nutrient release in large shallow Lake Taihu, China. <i>Science in China Series D: Earth Sciences</i> , 2006, 49, 38-50.	0.9	112
32	Determining the probability of cyanobacterial blooms: the application of Bayesian networks in multiple lake systems. <i>Ecological Applications</i> , 2015, 25, 186-199.	1.8	112
33	Applying remote sensing techniques to monitoring seasonal and interannual changes of aquatic vegetation in Taihu Lake, China. <i>Ecological Indicators</i> , 2016, 60, 503-513.	2.6	110
34	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
35	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
36	Environmental factors controlling colony formation in blooms of the cyanobacteria <i>Microcystis</i> spp. in Lake Taihu, China. <i>Harmful Algae</i> , 2014, 31, 136-142.	2.2	105

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37	A study of absorption characteristics of chromophoric dissolved organic matter and particles in Lake Taihu, China. <i>Hydrobiologia</i> , 2007, 592, 105-120.	1.0	104
38	Dynamics of cyanobacterial bloom formation during short-term hydrodynamic fluctuation in a large shallow, eutrophic, and wind-exposed Lake Taihu, China. <i>Environmental Science and Pollution Research</i> , 2013, 20, 8546-8556.	2.7	103
39	Remote sensing of cyanobacterial blooms in inland waters: present knowledge and future challenges. <i>Science Bulletin</i> , 2019, 64, 1540-1556.	4.3	103
40	Controlling Cyanobacterial Blooms in Hypertrophic Lake Taihu, China: Will Nitrogen Reductions Cause Replacement of Non-N ₂ Fixing by N ₂ Fixing Taxa?. <i>PLoS ONE</i> , 2014, 9, e113123.	1.1	102
41	Photochemical degradation of chromophoric-dissolved organic matter exposed to simulated UV-B and natural solar radiation. <i>Hydrobiologia</i> , 2009, 627, 159-168.	1.0	101
42	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
43	Spatial-seasonal dynamics of chromophoric dissolved organic matter in Lake Taihu, a large eutrophic, shallow lake in China. <i>Organic Geochemistry</i> , 2011, 42, 510-519.	0.9	99
44	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
45	Phenology of Phytoplankton Blooms in a Trophic Lake Observed from Long-Term MODIS Data. <i>Environmental Science & Technology</i> , 2019, 53, 2324-2331.	4.6	96
46	The influence of changes in wind patterns on the areal extension of surface cyanobacterial blooms in a large shallow lake in China. <i>Science of the Total Environment</i> , 2015, 518-519, 24-30.	3.9	95
47	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
48	Characterization of Bacterial Communities Associated with Organic Aggregates in a Large, Shallow, Eutrophic Freshwater Lake (Lake Taihu, China). <i>Microbial Ecology</i> , 2009, 58, 307-322.	1.4	89
49	Remote sensing of diffuse attenuation coefficient of photosynthetically active radiation in Lake Taihu using MERIS data. <i>Remote Sensing of Environment</i> , 2014, 140, 365-377.	4.6	88
50	Mechanism and control of lake eutrophication. <i>Science Bulletin</i> , 2006, 51, 2401-2412.	1.7	86
51	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
52	Eutrophic Lake Taihu as a significant CO ₂ source during 2000–2015. <i>Water Research</i> , 2020, 170, 115331.	5.3	85
53	Benthic macroinvertebrate community structure in Lake Taihu, China: Effects of trophic status, wind-induced disturbance and habitat complexity. <i>Journal of Great Lakes Research</i> , 2012, 38, 39-48.	0.8	83
54	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

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55	Comparative analysis of nutrients, chlorophyll and transparency in two large shallow lakes (Lake) Tj ETQq1 1 0.784314 rgBT /Overlock	1.0	81
56	Spatiotemporal Changes of Cyanobacterial Bloom in Large Shallow Eutrophic Lake Taihu, China. <i>Frontiers in Microbiology</i> , 2018, 9, 451.	1.5	80
57	Seasonal Gene Expression and the Ecophysiological Implications of Toxic <i>Microcystis aeruginosa</i> Blooms in Lake Taihu. <i>Environmental Science & Technology</i> , 2018, 52, 11049-11059.	4.6	79
58	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
59	Accumulation of Terrestrial Dissolved Organic Matter Potentially Enhances Dissolved Methane Levels in Eutrophic Lake Taihu, China. <i>Environmental Science & Technology</i> , 2018, 52, 10297-10306.	4.6	76
60	Algal Accumulation Decreases Sediment Nitrogen Removal by Uncoupling Nitrification-Denitrification in Shallow Eutrophic Lakes. <i>Environmental Science & Technology</i> , 2020, 54, 6194-6201.	4.6	76
61	Effects of Nutrients, Temperature and Their Interactions on Spring Phytoplankton Community Succession in Lake Taihu, China. <i>PLoS ONE</i> , 2014, 9, e113960.	1.1	76
62	Chromophoric dissolved organic matter (CDOM) absorption characteristics in relation to fluorescence in Lake Taihu, China, a large shallow subtropical lake. <i>Hydrobiologia</i> , 2007, 581, 43-52.	1.0	74
63	Chromophoric dissolved organic matter of black waters in a highly eutrophic Chinese lake: Freshly produced from algal scums?. <i>Journal of Hazardous Materials</i> , 2015, 299, 222-230.	6.5	73
64	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
65	Growth response of <i>Microcystis</i> spp. to iron enrichment in different regions of Lake Taihu, China. <i>Hydrobiologia</i> , 2013, 700, 187-202.	1.0	69
66	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
67	Modeling Remote-Sensing Reflectance and Retrieving Chlorophyll-a Concentration in Extremely Turbid Case-2 Waters (Lake Taihu, China). <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2009, 47, 1937-1948.	2.7	67
68	The responses of the taxa composition of particle-attached bacterial community to the decomposition of <i>Microcystis</i> blooms. <i>Science of the Total Environment</i> , 2014, 488-489, 236-242.	3.9	67
69	Controlling cyanobacterial blooms by managing nutrient ratio and limitation in a large hyper-eutrophic lake: Lake Taihu, China. <i>Journal of Environmental Sciences</i> , 2015, 27, 80-86.	3.2	65
70	Implications of lake level variations at 6 ka and 18 ka in mainland Asia. <i>Global and Planetary Change</i> , 1998, 18, 59-72.	1.6	64
71	Submerged macrophyte communities and the controlling factors in large, shallow Lake Taihu (China): Sediment distribution and water depth. <i>Journal of Great Lakes Research</i> , 2014, 40, 646-655.	0.8	64
72	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

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73	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
74	The global <i>Microcystis</i> interactome. <i>Limnology and Oceanography</i> , 2020, 65, S194-S207.	1.6	63
75	Monitoring water quality using proximal remote sensing technology. <i>Science of the Total Environment</i> , 2022, 803, 149805.	3.9	63
76	Anthropogenic eutrophication of shallow lakes: Is it occasional?. <i>Water Research</i> , 2022, 221, 118728.	5.3	63
77	A Global Lake Ecological Observatory Network (GLEON) for synthesising high-frequency sensor data for validation of deterministic ecological models. <i>Inland Waters</i> , 2015, 5, 49-56.	1.1	62
78	Title is missing!. <i>Climatic Change</i> , 1998, 39, 695-714.	1.7	60
79	Lake Topography and Wind Waves Determining Seasonal-Spatial Dynamics of Total Suspended Matter in Turbid Lake Taihu, China: Assessment Using Long-Term High-Resolution MERIS Data. <i>PLoS ONE</i> , 2014, 9, e98055.	1.1	60
80	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
81	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
82	Extreme Climate Anomalies Enhancing Cyanobacterial Blooms in Eutrophic Lake Taihu, China. <i>Water Resources Research</i> , 2021, 57, e2020WR029371.	1.7	60
83	Effect of sediment resuspension on underwater light field in shallow lakes in the middle and lower reaches of the Yangtze River: A case study in Longgan Lake and Taihu Lake. <i>Science in China Series D: Earth Sciences</i> , 2006, 49, 114-125.	0.9	58
84	Effects of hydrodynamics on phosphorus concentrations in water of Lake Taihu, a large, shallow, eutrophic lake of China. <i>Hydrobiologia</i> , 2007, 581, 53-61.	1.0	58
85	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
86	The Influence of Macrophytes on Sediment Resuspension and the Effect of Associated Nutrients in a Shallow and Large Lake (Lake Taihu, China). <i>PLoS ONE</i> , 2015, 10, e0127915.	1.1	57
87	Alkaline phosphatase activity and the phosphorus mineralization rate of Lake Taihu. <i>Science in China Series D: Earth Sciences</i> , 2006, 49, 176-185.	0.9	56
88	Photobleaching Response of Different Sources of Chromophoric Dissolved Organic Matter Exposed to Natural Solar Radiation Using Absorption and Excitation Emission Matrix Spectra. <i>PLoS ONE</i> , 2013, 8, e77515.	1.1	55
89	Total inputs of phosphorus and nitrogen by wet deposition into Lake Taihu, China. <i>Hydrobiologia</i> , 2007, 581, 63-70.	1.0	53
90	Absorption and fluorescence characteristics of rainwater CDOM and contribution to Lake Taihu, China. <i>Atmospheric Environment</i> , 2014, 98, 483-491.	1.9	53

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91	Wind and submerged aquatic vegetation influence bio-optical properties in large shallow Lake Taihu, China. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 713-727.	1.3	52
92	Comparing sediment bacterial communities in the macrophyte-dominated and algae-dominated areas of eutrophic Lake Taihu, China. <i>Canadian Journal of Microbiology</i> , 2011, 57, 263-272.	0.8	50
93	Water and Sediment Quality in Lakes along the Middle and Lower Reaches of the Yangtze River, China. <i>Water Resources Management</i> , 2012, 26, 3601-3618.	1.9	50
94	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
95	The nutrient forms, cycling and exchange flux in the sediment and overlying water system in lakes from the middle and lower reaches of Yangtze River. <i>Science in China Series D: Earth Sciences</i> , 2006, 49, 1-13.	0.9	46
96	Spectral attenuation of ultraviolet and visible radiation in lakes in the Yunnan Plateau, and the middle and lower reaches of the Yangtze River, China. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 469-482.	1.6	45
97	Use of a Generalized Additive Model to Investigate Key Abiotic Factors Affecting Microcystin Cellular Quotas in Heavy Bloom Areas of Lake Taihu. <i>PLoS ONE</i> , 2012, 7, e32020.	1.1	44
98	Direct evidence of phosphorus outbreak release from sediment to overlying water in a large shallow lake caused by strong wind wave disturbance. <i>Science Bulletin</i> , 2005, 50, 577-582.	1.7	43
99	Mapping Aquatic Vegetation in a Large, Shallow Eutrophic Lake: A Frequency-Based Approach Using Multiple Years of MODIS Data. <i>Remote Sensing</i> , 2015, 7, 10295-10320.	1.8	43
100	Characterization of depth-related microbial communities in lake sediment by denaturing gradient gel electrophoresis of amplified 16S rRNA fragments. <i>Journal of Environmental Sciences</i> , 2008, 20, 224-230.	3.2	42
101	Effects of typhoon Morakot on a large shallow lake ecosystem, Lake Taihu, China. <i>Ecohydrology</i> , 2012, 5, 798-807.	1.1	42
102	Carbon accumulation and sequestration of lakes in China during the Holocene. <i>Global Change Biology</i> , 2015, 21, 4436-4448.	4.2	42
103	Dynamics of organic-aggregate-associated bacterial communities and related environmental factors in Lake Taihu, a large eutrophic shallow lake in China. <i>Limnology and Oceanography</i> , 2010, 55, 469-480.	1.6	42
104	Importance and vulnerability of lakes and reservoirs supporting drinking water in China. <i>Fundamental Research</i> , 2023, 3, 265-273.	1.6	42
105	A simple optical model to estimate diffuse attenuation coefficient of photosynthetically active radiation in an extremely turbid lake from surface reflectance. <i>Optics Express</i> , 2012, 20, 20482.	1.7	41
106	The Potential Applications of Real-Time Monitoring of Water Quality in a Large Shallow Lake (Lake Taihu). <i>Water Resources Management</i> , 2012, 26, 11580-11594.	2.1	41
107	Forecasting short-term cyanobacterial blooms in Lake Taihu, China, using a coupled hydrodynamic-algal biomass model. <i>Ecohydrology</i> , 2014, 7, 794-802.	1.1	41
108	Dynamics of organic-aggregate-associated bacterial communities and related environmental factors in Lake Taihu, a large eutrophic shallow lake in China. <i>Limnology and Oceanography</i> , 2010, 55, 469-480.	1.6	39

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109	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
110	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
111	Radiation dimming and decreasing water clarity fuel underwater darkening in lakes. <i>Science Bulletin</i> , 2020, 65, 1675-1684.	4.3	38
112	Green algal over cyanobacterial dominance promoted with nitrogen and phosphorus additions in a mesocosm study at Lake Taihu, China. <i>Environmental Science and Pollution Research</i> , 2015, 22, 5041-5049.	2.7	37
113	Evaluation of modelled regional water balance using lake status data. <i>Quaternary Science Reviews</i> , 1998, 17, 535-548.	1.4	36
114	Intracellular phosphorus metabolism of <i>Microcystis aeruginosa</i> under various redox potential in darkness. <i>Microbiological Research</i> , 2003, 158, 345-352.	2.5	36
115	Characteristics of sediment resuspension in Lake Taihu, China: A wave flume study. <i>Journal of Hydrology</i> , 2018, 561, 702-710.	2.3	36
116	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
117	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 & Technology</i> , 2022, 56, 4655-4664.	4.6	36
118	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
119	Large-scale field evidence on the enhancement of small-sized cladocerans by <i>Microcystis</i> blooms in Lake Taihu, China. <i>Journal of Plankton Research</i> , 2012, 34, 853-863.	0.8	35
120	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
121	Temporal-spatial variations of euphotic depth of typical lake regions in Lake Taihu and its ecological environmental significance. <i>Science in China Series D: Earth Sciences</i> , 2006, 49, 431-442.	0.9	34
122	Validating and Mapping Surface Water Temperatures in Lake Taihu: Results From MODIS Land Surface Temperature Products. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015, 8, 1230-1244.	2.3	34
123	Effects of wind wave turbulence on the phytoplankton community composition in large, shallow Lake Taihu. <i>Environmental Science and Pollution Research</i> , 2015, 22, 12737-12746.	2.7	34
124	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
125	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
126	Predicting the light attenuation coefficient through Secchi disk depth and beam attenuation coefficient in a large, shallow, freshwater lake. <i>Hydrobiologia</i> , 2012, 693, 29-37.	1.0	33

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127	Vertical diversity of sediment bacterial communities in two different trophic states of the eutrophic Lake Taihu, China. <i>Journal of Environmental Sciences</i> , 2013, 25, 1186-1194.	3.2	32
128	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
129	Phytoplankton assemblages respond differently to climate warming and eutrophication: A case study from Pyhäjärvi and Taihu. <i>Journal of Great Lakes Research</i> , 2016, 42, 386-396.	0.8	32
130	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
131	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
132	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
133	Atmospheric phosphorus in the northern part of Lake Taihu, China. <i>Chemosphere</i> , 2011, 84, 785-791.	4.2	30
134	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
135	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
136	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
137	Dynamics of sediment resuspension and the conceptual schema of nutrient release in the large shallow Lake Taihu, China. <i>Science Bulletin</i> , 2004, 49, 54.	1.7	29
138	Seasonal and regional variations in precipitation chemistry in the Lake Taihu Basin, China. <i>Atmospheric Environment</i> , 2007, 41, 2674-2679.	1.9	29
139	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
140	Experimental study on phosphorus release from sediments of shallow lake in wave flume. <i>Science in China Series D: Earth Sciences</i> , 2006, 49, 92-101.	0.9	28
141	The bacterioplankton of Lake Taihu, China: abundance, biomass, and production. <i>Hydrobiologia</i> , 2007, 581, 177-188.	1.0	28
142	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
143	Environmental controls of harmful cyanobacterial blooms in Chinese inland waters. <i>Harmful Algae</i> , 2021, 110, 102127.	2.2	28
144	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

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