Boqiang Q Qin

List of Publications by Year
in descending order

256	16,492	14655 66	19749 117
papers	citations	h-index	g-index

260	260	260	9042
all docs	docs citations	times ranked	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. Water Research, 2011, 45, 1973-1983.	11.3	841
2	Environmental issues of Lake Taihu, China. Hydrobiologia, 2007, 581, 3-14.	2.0	835
3	Nitrogen and phosphorus inputs control phytoplankton growth in eutrophic Lake Taihu, China. Limnology and Oceanography, 2010, 55, 420-432.	3.1	823
4	A Drinking Water Crisis in Lake Taihu, China: Linkage to Climatic Variability and Lake Management. Environmental Management, 2010, 45, 105-112.	2.7	778
5	Mitigating cyanobacterial harmful algal blooms in aquatic ecosystems impacted by climate change and anthropogenic nutrients. Harmful Algae, 2016, 54, 213-222.	4.8	453
6	The contribution of phytoplankton degradation to chromophoric dissolved organic matter (CDOM) in eutrophic shallow lakes: Field and experimental evidence. Water Research, 2009, 43, 4685-4697.	11.3	409
7	Global loss of aquatic vegetation in lakes. Earth-Science Reviews, 2017, 173, 259-265.	9.1	249
8	Water Depth Underpins the Relative Roles and Fates of Nitrogen and Phosphorus in Lakes. Environmental Science & Technology, 2020, 54, 3191-3198.	10.0	247
9	Why Lake Taihu continues to be plagued with cyanobacterial blooms through 10â€¯years (2007â€“2017) efforts. Science Bulletin, 2019, 64, 354-356.	9.0	243
10	Lake eutrophication and its ecosystem response. Science Bulletin, 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. Harmful Algae, 2016, 54, 223-238.	4.8	231
12	Internal phosphorus loading from sediments causes seasonal nitrogen limitation for harmful algal blooms. Science of the Total Environment, 2018, 625, 872-884.	8.0	225
13	Dynamics of sediment resuspension and the conceptual schema of nutrient release in the large shallow Lake Taihu, China. Science Bulletin, 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. Chemosphere, 2011, 82, 145-155.	8.2	209
15	Long-term remote monitoring of total suspended matter concentration in Lake Taihu using 250m MODIS-Aqua data. Remote Sensing of Environment, 2015, 164, 43-56.	11.0	197
16	Cyanobacterial bloom management through integrated monitoring and forecasting in large shallow eutrophic Lake Taihu (China). Journal of Hazardous Materials, 2015, 287, 356-363.	12.4	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). Hydrobiologia, 2007, 581, 195-207.	2.0	158
18	Influence of algal bloom degradation on nutrient release at the sedimentâ€“water interface in Lake Taihu, China. Environmental Science and Pollution Research, 2013, 20, 1803-1811.	5.3	142

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19	Compositional differences of chromophoric dissolved organic matter derived from phytoplankton and macrophytes. Organic Geochemistry, 2013, 55, 26-37.	1.8	140
20	Improving water quality in China: Environmental investment pays dividends. Water Research, 2017, 118, 152-159.	11.3	140
21	Long-term MODIS observations of cyanobacterial dynamics in Lake Taihu: Responses to nutrient enrichment and meteorological factors. Scientific Reports, 2017, 7, 40326.	3.3	139
22	Earlier and warmer springs increase cyanobacterial (Microcystis spp.) blooms in subtropical Lake Taihu, China. Freshwater Biology, 2014, 59, 1076-1085.	2.4	138
23	Optical properties and composition changes in chromophoric dissolved organic matter along trophic gradients: Implications for monitoring and assessing lake eutrophication. Water Research, 2018, 131, 255-263.	11.3	132
24	Aquatic vegetation in response to increased eutrophication and degraded light climate in Eastern Lake Taihu: Implications for lake ecological restoration. Scientific Reports, 2016, 6, 23867.	3.3	124
25	Long-term nutrient trends and harmful cyanobacterial bloom potential in hypertrophic Lake Taihu, China. Hydrobiologia, 2017, 787, 229-242.	2.0	122
26	Nutrient limitation dynamics examined on a multi-annual scale in Lake Taihu, China: implications for controlling eutrophication and harmful algal blooms. Journal of Freshwater Ecology, 2015, 30, 5-24.	1.2	120
27	The role of tropical cyclones in stimulating cyanobacterial (Microcystis spp.) blooms in hypertrophic Lake Taihu, China. Harmful Algae, 2014, 39, 310-321.	4.8	118
28	Spatial distribution of sediment nitrogen and phosphorus in Lake Taihu from a hydrodynamics-induced transport perspective. Science of the Total Environment, 2019, 650, 1554-1565.	8.0	118
29	Long-Term Satellite Observations of Microcystin Concentrations in Lake Taihu during Cyanobacterial Bloom Periods. Environmental Science & Technology, 2015, 49, 6448-6456.	10.0	116
30	The persistence of cyanobacterial (M icrocystis spp.) blooms throughout winter in Lake Taihu, China. Limnology and Oceanography, 2016, 61, 711-722.	3.1	114
31	Estimation of internal nutrient release in large shallow Lake Taihu, China. Science in China Series D: Earth Sciences, 2006, 49, 38-50.	0.9	112
32	Determining the probability of cyanobacterial blooms: the application of Bayesian networks in multiple lake systems. Ecological Applications, 2015, 25, 186-199.	3.8	112
33	Applying remote sensing techniques to monitoring seasonal and interannual changes of aquatic vegetation in Taihu Lake, China. Ecological Indicators, 2016, 60, 503-513.	6.3	110
34	Climatically-modulated decline in wind speed may strongly affect eutrophication in shallow lakes. Science of the Total Environment, 2018, 645, 1361-1370.	8.0	109
35	Monitoring the river plume induced by heavy rainfall events in large, shallow, Lake Taihu using MODIS 250m imagery. Remote Sensing of Environment, 2016, 173, 109-121.	11.0	106
36	Environmental factors controlling colony formation in blooms of the cyanobacteria Microcystis spp. in Lake Taihu, China. Harmful Algae, 2014, 31, 136-142.	4.8	105

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37	A study of absorption characteristics of chromophoric dissolved organic matter and particles in Lake Taihu, China. Hydrobiologia, 2007, 592, 105-120.	2.0	104
38	Dynamics of cyanobacterial bloom formation during short-term hydrodynamic fluctuation in a large shallow, eutrophic, and wind-exposed Lake Taihu, China. Environmental Science and Pollution Research, 2013, 20, 8546-8556.	5.3	103
39	Remote sensing of cyanobacterial blooms in inland waters: present knowledge and future challenges. Science Bulletin, 2019, 64, 1540-1556.	9.0	103
40	Controlling Cyanobacterial Blooms in Hypertrophic Lake Taihu, China: Will Nitrogen Reductions Cause Replacement of Non-N2 Fixing by N2 Fixing Taxa?. PLoS ONE, 2014, 9, e113123.	2.5	102
41	Photochemical degradation of chromophoric-dissolved organic matter exposed to simulated UV-B and natural solar radiation. Hydrobiologia, 2009, 627, 159-168.	2.0	101
42	Mitigating eutrophication and toxic cyanobacterial blooms in large lakes:ÂThe evolution of a dual nutrient (N and P) reduction paradigm. Hydrobiologia, 2020, 847, 4359-4375.	2.0	100
43	Spatial-seasonal dynamics of chromophoric dissolved organic matter in Lake Taihu, a large eutrophic, shallow lake in China. Organic Geochemistry, 2011, 42, 510-519.	1.8	99
44	How autochthonous dissolved organic matter responds to eutrophication and climate warming: Evidence from a cross-continental data analysis and experiments. Earth-Science Reviews, 2018, 185, 928-937.	9.1	98
45	Phenology of Phytoplankton Blooms in a Trophic Lake Observed from Long-Term MODIS Data. Environmental Science & Technology, 2019, 53, 2324-2331.	10.0	96
46	The influence of changes in wind patterns on the areal extension of surface cyanobacterial blooms in a large shallow lake in China. Science of the Total Environment, 2015, 518-519, 24-30.	8.0	95
47	Meteorological and hydrological conditions driving the formation and disappearance of black blooms, an ecological disaster phenomena of eutrophication and algal blooms. Science of the Total Environment, 2016, 569-570, 1517-1529.	8.0	93
48	Characterization of Bacterial Communities Associated with Organic Aggregates in a Large, Shallow, Eutrophic Freshwater Lake (Lake Taihu, China). Microbial Ecology, 2009, 58, 307-322.	2.8	89
49	Remote sensing of diffuse attenuation coefficient of photosynthetically active radiation in Lake Taihu using MERIS data. Remote Sensing of Environment, 2014, 140, 365-377.	11.0	88
50	Mechanism and control of lake eutrophication. Science Bulletin, 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. Limnology and Oceanography, 2021, 66, 1492-1509.	3.1	86
52	Eutrophic Lake Taihu as a significant CO2 source during 2000â€“2015. Water Research, 2020, 170, 115331.	11.3	85
53	Benthic macroinvertebrate community structure in Lake Taihu, China: Effects of trophic status, wind-induced disturbance and habitat complexity. Journal of Great Lakes Research, 2012, 38, 39-48.	1.9	83
54	Profound Changes in the Physical Environment of Lake Taihu From 25ÂYears of Longâ€Term Observations: Implications for Algal Bloom Outbreaks and Aquatic Macrophyte Loss. Water Resources Research, 2018, 54, 4319-4331.	4.2	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	2.0	81
56	Spatiotemporal Changes of Cyanobacterial Bloom in Large Shallow Eutrophic Lake Taihu, China. Frontiers in Microbiology, 2018, 9, 451.	3.5	80
57	Seasonal Gene Expression and the Ecophysiological Implications of Toxic Microcystis aeruginosa Blooms in Lake Taihu. Environmental Science & Technology, 2018, 52, 11049-11059.	10.0	79
58	Long-term dynamics and drivers of phytoplankton biomass in eutrophic Lake Taihu. Science of the Total Environment, 2018, 645, 876-886.	8.0	77
59	Accumulation of Terrestrial Dissolved Organic Matter Potentially Enhances Dissolved Methane Levels in Eutrophic Lake Taihu, China. Environmental Science & Technology, 2018, 52, 10297-10306.	10.0	76
60	Algal Accumulation Decreases Sediment Nitrogen Removal by Uncoupling Nitrification-Denitrification in Shallow Eutrophic Lakes. Environmental Science & Technology, 2020, 54, 6194-6201.	10.0	76
61	Effects of Nutrients, Temperature and Their Interactions on Spring Phytoplankton Community Succession in Lake Taihu, China. PLoS ONE, 2014, 9, e113960.	2.5	76
62	Chromophoric dissolved organic matter (CDOM) absorption characteristics in relation to fluorescence in Lake Taihu, China, a large shallow subtropical lake. Hydrobiologia, 2007, 581, 43-52.	2.0	74
63	Chromophoric dissolved organic matter of black waters in a highly eutrophic Chinese lake: Freshly produced from algal scums?. Journal of Hazardous Materials, 2015, 299, 222-230.	12.4	73
64	Deteriorating water clarity in shallow waters: Evidence from long term MODIS and in-situ observations. International Journal of Applied Earth Observation and Geoinformation, 2018, 68, 287-297.	2.8	71
65	Growth response of Microcystis spp. to iron enrichment in different regions of Lake Taihu, China. Hydrobiologia, 2013, 700, 187-202.	2.0	69
66	Relationships between nutrient, chlorophyll a and Secchi depth in lakes of the Chinese Eastern Plains ecoregion: Implications for eutrophication management. Journal of Environmental Management, 2020, 260, 109923.	7.8	68
67	Modeling Remote-Sensing Reflectance and Retrieving Chlorophyll-a Concentration in Extremely Turbid Case-2 Waters (Lake Taihu, China). IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 1937-1948.	6.3	67
68	The responses of the taxa composition of particle-attached bacterial community to the decomposition of Microcystis blooms. Science of the Total Environment, 2014, 488-489, 236-242.	8.0	67
69	Controlling cyanobacterial blooms by managing nutrient ratio and limitation in a large hyper-eutrophic lake: Lake Taihu, China. Journal of Environmental Sciences, 2015, 27, 80-86.	6.1	65
70	Implications of lake level variations at 6 ka and 18 ka in mainland Asia. Global and Planetary Change, 1998, 18, 59-72.	3.5	64
71	Submerged macrophyte communities and the controlling factors in large, shallow Lake Taihu (China): Sediment distribution and water depth. Journal of Great Lakes Research, 2014, 40, 646-655.	1.9	64
72	A critical review of the development, current hotspots, and future directions of Lake Taihu research from the bibliometrics perspective. Environmental Science and Pollution Research, 2016, 23, 12811-12821.	5.3	64

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73	Mitigating a global expansion of toxic cyanobacterial blooms: confounding effects and challenges posed by climate change. Marine and Freshwater Research, 2020, 71, 579.	1.3	63
74	The global Microcystis interactome. Limnology and Oceanography, 2020, 65, S194-S207.	3.1	63
75	Monitoring water quality using proximal remote sensing technology. Science of the Total Environment, 2022, 803, 149805.	8.0	63
76	Anthropogenic eutrophication of shallow lakes: Is it occasional?. Water Research, 2022, 221, 118728.	11.3	63
77	A Global Lake Ecological Observatory Network (GLEON) for synthesising highâ€“frequency sensor data for validation of deterministic ecological models. Inland Waters, 2015, 5, 49-56.	2.2	62
78	Title is missing!. Climatic Change, 1998, 39, 695-714.	3.6	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. PLoS ONE, 2014, 9, e98055.	2.5	60
80	Relative roles of spatial processes, natural factors and anthropogenic stressors in structuring a lake macroinvertebrate metacommunity. Science of the Total Environment, 2017, 601-602, 1702-1711.	8.0	60
81	Characteristics and roles of Microcystis extracellular polymeric substances (EPS) in cyanobacterial blooms: a short review. Journal of Freshwater Ecology, 2018, 33, 183-193.	1.2	60
82	Extreme Climate Anomalies Enhancing Cyanobacterial Blooms in Eutrophic Lake Taihu, China. Water Resources Research, 2021, 57, e2020WR029371.	4.2	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. Science in China Series D: Earth Sciences, 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. Hydrobiologia, 2007, 581, 53-61.	2.0	58
85	Major advances in studies of the physical geography and living environment of China during the past 70 years and future prospects. Science China Earth Sciences, 2019, 62, 1665-1701.	5.2	58
86	The Influence of Macrophytes on Sediment Resuspension and the Effect of Associated Nutrients in a Shallow and Large Lake (Lake Taihu, China). PLoS ONE, 2015, 10, e0127915.	2.5	57
87	Alkaline phosphatase activity and the phosphorus mineralization rate of Lake Taihu. Science in China Series D: Earth Sciences, 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 Excitationâ€“Emission Matrix Spectra. PLoS ONE, 2013, 8, e77515.	2.5	55
89	Total inputs of phosphorus and nitrogen by wet deposition into Lake Taihu, China. Hydrobiologia, 2007, 581, 63-70.	2.0	53
90	Absorption and fluorescence characteristics of rainwater CDOM and contribution to Lake Taihu, China. Atmospheric Environment, 2014, 98, 483-491.	4.1	53

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91	Wind and submerged aquatic vegetation influence bioâ€optical properties in large shallow Lake Taihu, China. Journal of Geophysical Research G: Biogeosciences, 2013, 118, 713-727.	3.0	52
92	Comparing sediment bacterial communities in the macrophyte-dominated and algae-dominated areas of eutrophic Lake Taihu, China. Canadian Journal of Microbiology, 2011, 57, 263-272.	1.7	50
93	Water and Sediment Quality in Lakes along the Middle and Lower Reaches of the Yangtze River, China. Water Resources Management, 2012, 26, 3601-3618.	3.9	50
94	A semi-analytical approach for remote sensing of trophic state in inland waters: Bio-optical mechanism and application. Remote Sensing of Environment, 2019, 232, 111349.	11.0	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. Science in China Series D: Earth Sciences, 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. Photochemical and Photobiological Sciences, 2011, 10, 469-482.	2.9	45
97	Use of a Generalized Additive Model to Investigate Key Abiotic Factors Affecting Microcystin Cellular Quotas in Heavy Bloom Areas of Lake Taihu. PLoS ONE, 2012, 7, e32020.	2.5	44
98	Direct evidence of phosphorus outbreak release from sediment to overlying water in a large shallow lake caused by strong wind wave disturbance. Science Bulletin, 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. Remote Sensing, 2015, 7, 10295-10320.	4.0	43
100	Characterization of depth-related microbial communities in lake sediment by denaturing gradient gel electrophoresis of amplified 16S rRNA fragments. Journal of Environmental Sciences, 2008, 20, 224-230.	6.1	42
101	Effects of typhoon Morakot on a large shallow lake ecosystem, Lake Taihu, China. Ecohydrology, 2012, 5, 798-807.	2.4	42
102	Carbon accumulation and sequestration of lakes in China during the Holocene. Global Change Biology, 2015, 21, 4436-4448.	9.5	42
103	Dynamics of organic-aggregate-associated bacterial communities and related environmental factors in Lake Taihu, a large eutrophic shallow lake in China. Limnology and Oceanography, 2010, 55, 469-480.	3.1	42
104	Importance and vulnerability of lakes and reservoirs supporting drinking water in China. Fundamental Research, 2023, 3, 265-273.	3.3	42
105	A simple optical model to estimate diffuse attenuation coefficient of photosynthetically active radiation in an extremely turbid lake from surface reflectance. Optics Express, 2012, 20, 20482.	3.4	41
106	The Potential Applications of Real-Time Monitoring of Water Quality in a Large Shallow Lake (Lake) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 11580-11594.	3.8	41
107	Forecasting shortâ€term cyanobacterial blooms in Lake Taihu, China, using a coupled hydrodynamicâ€“algal biomass model. Ecohydrology, 2014, 7, 794-802.	2.4	41
108	Dynamics of organicâ€aggregateâ€associated bacterial communities and related environmental factors in Lake Taihu, a large eutrophic shallow lake in China. Limnology and Oceanography, 2010, 55, 469-480.	3.1	39

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109	Effect of micronutrients on algae in different regions of Taihu, a large, spatially diverse, hypereutrophic lake. Water Research, 2019, 151, 500-514.	11.3	39
110	Emerging role of dissolved organic nitrogen in supporting algal bloom persistence in Lake Taihu, China: Emphasis on internal transformations. Science of the Total Environment, 2020, 736, 139497.	8.0	39
111	Radiation dimming and decreasing water clarity fuel underwater darkening in lakes. Science Bulletin, 2020, 65, 1675-1684.	9.0	38
112	Green algal over cyanobacterial dominance promoted with nitrogen and phosphorus additions in a mesocosm study at Lake Taihu, China. Environmental Science and Pollution Research, 2015, 22, 5041-5049.	5.3	37
113	Evaluation of modelled regional water balance using lake status data. Quaternary Science Reviews, 1998, 17, 535-548.	3.0	36
114	Intracellular phosphorus metabolism of Microcystis aeruginosa under various redox potential in darkness. Microbiological Research, 2003, 158, 345-352.	5.3	36
115	Characteristics of sediment resuspension in Lake Taihu, China: A wave flume study. Journal of Hydrology, 2018, 561, 702-710.	5.4	36
116	Climate exerts a greater modulating effect on the phytoplankton community after 2007 in eutrophic Lake Taihu, China: Evidence from 25â€¯years of recordings. Ecological Indicators, 2019, 105, 82-91.	6.3	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. Environmental Science & Technology, 2022, 56, 4655-4664.	10.0	36
118	Eutrophication and temperature drive large variability in carbon dioxide from China's Lake Taihu. Limnology and Oceanography, 2022, 67, 379-391.	3.1	36
119	Large-scale field evidence on the enhancement of small-sized cladocerans by Microcystis blooms in Lake Taihu, China. Journal of Plankton Research, 2012, 34, 853-863.	1.8	35
120	Imbalance of global nutrient cycles exacerbated by the greater retention of phosphorus over nitrogen in lakes. Nature Geoscience, 2022, 15, 464-468.	12.9	35
121	Temporal-spatial variations of euphotic depth of typical lake regions in Lake Taihu and its ecological environmental significance. Science in China Series D: Earth Sciences, 2006, 49, 431-442.	0.9	34
122	Validating and Mapping Surface Water Temperatures in Lake Taihu: Results From MODIS Land Surface Temperature Products. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 1230-1244.	4.9	34
123	Effects of wind wave turbulence on the phytoplankton community composition in large, shallow Lake Taihu. Environmental Science and Pollution Research, 2015, 22, 12737-12746.	5.3	34
124	Potential rainfall-intensity and pH-driven shifts in the apparent fluorescent composition of dissolved organic matter in rainwater. Environmental Pollution, 2017, 224, 638-648.	7.5	34
125	Aquatic Bacterial Diversity, Community Composition and Assembly in the Semi-Arid Inner Mongolia Plateau: Combined Effects of Salinity and Nutrient Levels. Microorganisms, 2021, 9, 208.	3.6	34
126	Predicting the light attenuation coefficient through Secchi disk depth and beam attenuation coefficient in a large, shallow, freshwater lake. Hydrobiologia, 2012, 693, 29-37.	2.0	33

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127	Vertical diversity of sediment bacterial communities in two different trophic states of the eutrophic Lake Taihu, China. Journal of Environmental Sciences, 2013, 25, 1186-1194.	6.1	32
128	Determining critical light and hydrologic conditions for macrophyte presence in a large shallow lake: The ratio of euphotic depth to water depth. Ecological Indicators, 2016, 71, 317-326.	6.3	32
129	Phytoplankton assemblages respond differently to climate warming and eutrophication: A case study from PyhÃjÃrvi and Taihu. Journal of Great Lakes Research, 2016, 42, 386-396.	1.9	32
130	Catastrophic effects of sand mining on macroinvertebrates in a large shallow lake with implications for management. Science of the Total Environment, 2019, 695, 133706.	8.0	32
131	Quantifying the dependence of cyanobacterial growth to nutrient for the eutrophication management of temperate-subtropical shallow lakes. Water Research, 2020, 177, 115806.	11.3	32
132	Turbulence increases the risk of microcystin exposure in a eutrophic lake (Lake Taihu) during cyanobacterial bloom periods. Harmful Algae, 2016, 55, 213-220.	4.8	31
133	Atmospheric phosphorus in the northern part of Lake Taihu, China. Chemosphere, 2011, 84, 785-791.	8.2	30
134	Extreme weather event may induce Microcystis blooms in the Qiantang River, Southeast China. Environmental Science and Pollution Research, 2018, 25, 22273-22284.	5.3	30
135	Remote Sensing of Secchi Depth in Highly Turbid Lake Waters and Its Application with MERIS Data. Remote Sensing, 2019, 11, 2226.	4.0	30
136	The relative importance of weather and nutrients determining phytoplankton assemblages differs between seasons in large Lake Taihu, China. Aquatic Sciences, 2019, 81, 1.	1.5	30
137	Dynamics of sediment resuspension and the conceptual schema of nutrient release in the large shallow Lake Taihu, China. Science Bulletin, 2004, 49, 54.	1.7	29
138	Seasonal and regional variations in precipitation chemistry in the Lake Taihu Basin, China. Atmospheric Environment, 2007, 41, 2674-2679.	4.1	29
139	Regional-scale investigation of dissolved organic matter and lead binding in a large impacted lake with a focus on environmental risk assessment. Water Research, 2020, 172, 115478.	11.3	29
140	Experimental study on phosphorus release from sediments of shallow lake in wave flume. Science in China Series D: Earth Sciences, 2006, 49, 92-101.	0.9	28
141	The bacterioplankton of Lake Taihu, China: abundance, biomass, and production. Hydrobiologia, 2007, 581, 177-188.	2.0	28
142	In-situ erosion of cohesive sediment in a large shallow lake experiencing long-term decline in wind speed. Journal of Hydrology, 2016, 539, 254-264.	5.4	28
143	Environmental controls of harmful cyanobacterial blooms in Chinese inland waters. Harmful Algae, 2021, 110, 102127.	4.8	28
144	Will enhanced turbulence in inland waters result in elevated production of autochthonous dissolved organic matter?. Science of the Total Environment, 2016, 543, 405-415.	8.0	27

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145	Decomposition of Microcystis blooms: Implications for the structure of the sediment bacterial community, as assessed by a mesocosm experiment in Lake Taihu, China. Journal of Basic Microbiology, 2013, 53, 549-554.	3.3	26
146	CO2 alters community composition of freshwater phytoplankton: A microcosm experiment. Science of the Total Environment, 2017, 607-608, 69-77.	8.0	26
147	Identifying spatio-temporal dynamics of trace metals in shallow eutrophic lakes on the basis of a case study in Lake Taihu, China. Environmental Pollution, 2020, 264, 114802.	7.5	26
148	High probability of nitrogen and phosphorus co-limitation occurring in eutrophic lakes. Environmental Pollution, 2022, 292, 118276.	7.5	26
149	Influences of habitat type and environmental variables on benthic macroinvertebrate communities in a large shallow subtropical lake (Lake Taihu, China). Annales De Limnologie, 2011, 47, 85-95.	0.6	25
150	Extraction and characterization of bound extracellular polymeric substances from cultured pure cyanobacterium (Microcystis wesenbergii). Journal of Environmental Sciences, 2014, 26, 1725-1732.	6.1	25
151	Excitation-emission matrix fluorescence and parallel factor analyses of the effects of N and P nutrients on the extracellular polymeric substances of Microcystis aeruginosa. Limnologica, 2017, 63, 18-26.	1.5	25
152	Response of dissolved organic matter optical properties to net inflow runoff in a large fluvial plain lake and the connecting channels. Science of the Total Environment, 2018, 639, 876-887.	8.0	25
153	Understanding the long-term trend of particulate phosphorus in a cyanobacteria-dominated lake using MODIS-Aqua observations. Science of the Total Environment, 2020, 737, 139736.	8.0	25
154	Temporal dependence of chlorophyll aâ€“nutrient relationships in Lake Taihu: Drivers and management implications. Journal of Environmental Management, 2022, 306, 114476.	7.8	25
155	Highly time-resolved analysis of seasonal water dynamics and algal kinetics based on in-situ multi-sensor-system monitoring data in Lake Taihu, China. Science of the Total Environment, 2019, 660, 329-339.	8.0	24
156	Strong turbulence accelerates sediment nitrification-denitrification for nitrogen loss in shallow lakes. Science of the Total Environment, 2021, 761, 143210.	8.0	24
157	Polluted lake restoration to promote sustainability in the Yangtze River Basin, China. National Science Review, 2022, 9, nwab207.	9.5	24
158	Water clarity mapping of global lakes using a novel hybrid deep-learning-based recurrent model with Landsat OLI images. Water Research, 2022, 215, 118241.	11.3	24
159	Spectral Absorption and Fluorescence of Chromophoric Dissolved Organic Matter in Shallow Lakes in the Middle and Lower Reaches of the Yangtze River. Journal of Freshwater Ecology, 2005, 20, 451-459.	1.2	23
160	A Preliminary Study of Chromophoric Dissolved Organic Matter (CDOM) in Lake Taihu, a Shallow Subtropical Lake in China. Clean - Soil, Air, Water, 2005, 33, 315-323.	0.6	23
161	Whole-cell bioreporters and risk assessment of environmental pollution: A proof-of-concept study using lead. Environmental Pollution, 2017, 229, 902-910.	7.5	23
162	The synergetic effects of turbulence and turbidity on the zooplankton community structure in large, shallow Lake Taihu. Environmental Science and Pollution Research, 2018, 25, 1168-1175.	5.3	23

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