Yunlin Zhang

List of Publications by Year
in descending order

190 papers	12,005 citations	23567 58 h-index	33894 99 g-index
195 all docs	195 docs citations	195 times ranked	6678 citing authors

#	Article	IF	Citations
1	Importance and vulnerability of lakes and reservoirs supporting drinking water in China. Fundamental Research, 2023, 3, 265-273.	3.3	42
2	High-resolution temporal detection of cyanobacterial blooms in a deep and oligotrophic lake by high-frequency buoy data. Environmental Research, 2022, 203, 111848.	7.5	8
3	Monitoring water quality using proximal remote sensing technology. Science of the Total Environment, 2022, 803, 149805.	8.0	63
4	Polluted lake restoration to promote sustainability in the Yangtze River Basin, China. National Science Review, 2022, 9, nwab207.	9.5	24
5	Significant Temporal and Spatial Variability in Nutrient Concentrations in a Chinese Eutrophic Shallow Lake and Its Major Tributaries. Water (Switzerland), 2022, 14, 217.	2.7	3
6	Thermal structure controlled by morphometry and light attenuation across subtropical reservoirs. Hydrological Processes, 2022, 36, .	2.6	3
7	Temporal dependence of chlorophyll a–nutrient relationships in Lake Taihu: Drivers and management implications. Journal of Environmental Management, 2022, 306, 114476.	7.8	25
8	Monitoring water transparency, total suspended matter and the beam attenuation coefficient in inland water using innovative ground-based proximal sensing technology. Journal of Environmental Management, 2022, 306, 114477.	7.8	10
9	Spatiotemporal dependency of resource use efficiency on phytoplankton diversity in Lake Taihu. Limnology and Oceanography, 2022, 67, 830-842.	3.1	10
10	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
11	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
12	Remote sensing of column-integrated chlorophyll a in a large deep-water reservoir. Journal of Hydrology, 2022, 610, 127918.	5.4	11
13	Influence of cyanobacterial bloom accumulation and dissipation on underwater light attenuation in a large and shallow lake. Environmental Science and Pollution Research, 2022, 29, 79082-79094.	5.3	1
14	New Insights into Microbial Degradation of Cyanobacterial Organic Matter Using a Fractionation Procedure. International Journal of Environmental Research and Public Health, 2022, 19, 6981.	2.6	2
15	Variation in Short-term Temperature Fluctuations Across China During the Past 60 Years. Chinese Geographical Science, 2022, 32, 563-579.	3.0	0
16	Water depth and transparency drive the quantity and quality of organic matter in sediments of Alpine Lakes on the Tibetan Plateau. Limnology and Oceanography, 2022, 67, 1959-1975.	3.1	6
17	A ground-based remote sensing system for high-frequency and real-time monitoring of phytoplankton blooms. Journal of Hazardous Materials, 2022, 439, 129623.	12.4	19
18	Elucidating phytoplankton limiting factors in lakes and reservoirs of the Chinese Eastern Plains ecoregion. Journal of Environmental Management, 2022, 318, 115542.	7.8	5

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19	Chromophoric dissolved organic matter in inland waters: Present knowledge and future challenges. Science of the Total Environment, 2021, 759, 143550.	8.0	79
20	Direct versus indirect effects of human activities on dissolved organic matter in highly impacted lakes. Science of the Total Environment, 2021, 752, 141839.	8.0	50
21	How hydrology and anthropogenic activity influence the molecular composition and export of dissolved organic matter: Observations along a large river continuum. Limnology and Oceanography, 2021, 66, 1730-1742.	3.1	29
22	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
23	Resource aromaticity affects bacterial community successions in response to different sources of dissolved organic matter. Water Research, 2021, 190, 116776.	11.3	101
24	Remote sensing estimation of water clarity for various lakes in China. Water Research, 2021, 192, 116844.	11.3	70
25	Eutrophication alters bacterial coâ€occurrence networks and increases the importance of chromophoric dissolved organic matter composition. Limnology and Oceanography, 2021, 66, 2319-2332.	3.1	35
26	Remotely estimating total suspended solids concentration in clear to extremely turbid waters using a novel semi-analytical method. Remote Sensing of Environment, 2021, 258, 112386.	11.0	47
27	Extreme Climate Anomalies Enhancing Cyanobacterial Blooms in Eutrophic Lake Taihu, China. Water Resources Research, 2021, 57, e2020WR029371.	4.2	60
28	Machine Learning Algorithms for Chromophoric Dissolved Organic Matter (CDOM) Estimation Based on Landsat 8 Images. Remote Sensing, 2021, 13, 3560.	4.0	14
29	Biodegradable dissolved organic carbon shapes bacterial community structures and co-occurrence patterns in large eutrophic Lake Taihu. Journal of Environmental Sciences, 2021, 107, 205-217.	6.1	29
30	Water clarity response to climate warming and wetting of the Inner Mongolia-Xinjiang Plateau: A remote sensing approach. Science of the Total Environment, 2021, 796, 148916.	8.0	11
31	Water Residence Time and Temperature Drive the Dynamics of Dissolved Organic Matter in Alpine Lakes in the Tibetan Plateau. Global Biogeochemical Cycles, 2021, 35, e2020GB006908.	4.9	18
32	Atmospheric Stilling Promotes Summer Algal Growth in Eutrophic Shallow Lakes. Biology, 2021, 10, 1222.	2.8	1
33	Environmental controls of harmful cyanobacterial blooms in Chinese inland waters. Harmful Algae, 2021, 110, 102127.	4.8	28
34	Influence of land use and rainfall on the optical properties of dissolved organic matter in a key drinking water reservoir in China. Science of the Total Environment, 2020, 699, 134301.	8.0	64
35	Decreasing diversity of rare bacterial subcommunities relates to dissolved organic matter along permafrost thawing gradients. Environment International, 2020, 134, 105330.	10.0	48
36	Analysis of water clarity decrease in Xinâ€™anjiang Reservoir, China, from 30-Year Landsat TM, ETM+, and OLI observations. Journal of Hydrology, 2020, 590, 125476.	5.4	32

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37	Rainstorm events shift the molecular composition and export of dissolved organic matter in a large drinking water reservoir in China: High frequency buoys and field observations. Water Research, 2020, 187, 116471.	11.3	38
38	Attenuation of UVR and PAR in a clear and deep lake: Spatial distribution and affecting factors. Limnologica, 2020, 84, 125798.	1.5	7
39	Anthropogenic transformation of Yangtze Plain freshwater lakes: patterns, drivers and impacts. Remote Sensing of Environment, 2020, 248, 111998.	11.0	63
40	Are nitrogen-to-phosphorus ratios of Chinese lakes actually increasing?. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21000-21002.	7.1	23
41	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
42	Use of conductivity to indicate long-term changes in pollution processes in Lake Taihu, a large shallow lake. Environmental Science and Pollution Research, 2020, 27, 21376-21385.	5.3	15
43	Radiation dimming and decreasing water clarity fuel underwater darkening in lakes. Science Bulletin, 2020, 65, 1675-1684.	9.0	38
44	Decreasing underwater ultraviolet radiation exposure strongly driven by increasing ultraviolet attenuation in lakes in eastern and southwest China. Science of the Total Environment, 2020, 720, 137694.	8.0	15
45	Are nitrous oxide emissions indirectly fueled by input of terrestrial dissolved organic nitrogen in a large eutrophic Lake Taihu, China?. Science of the Total Environment, 2020, 722, 138005.	8.0	11
46	Spatial Variations of Subsurface Chlorophyll Maxima During Thermal Stratification in a Large, Deep Subtropical Reservoir. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005480.	3.0	16
47	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
48	Winter Climate Shapes Spring Phytoplankton Development in Nonâ€ceâ€Covered Lakes: Subtropical Lake Taihu as an Example. Water Resources Research, 2020, 56, e2019WR026680.	4.2	20
49	Regime shifts in shallow lakes observed by remote sensing and the implications for management. Ecological Indicators, 2020, 113, 106285.	6.3	25
50	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
51	Effects of rainfall on thermal stratification and dissolved oxygen in a deep drinking water reservoir. Hydrological Processes, 2020, 34, 3387-3399.	2.6	32
52	Decreasing nitrogen loading and climate change promotes the occurrence of nitrogen-fixing cyanobacteria in a restored city lake. Hydrobiologia, 2020, 847, 2963-2975.	2.0	5
53	Long-term variation of zooplankton communities in a large, heterogenous lake: Implications for future environmental change scenarios. Environmental Research, 2020, 187, 109704.	7.5	14
54	River plume monitoring in a deep valley reservoir using HJ-1 A/B images. Journal of Hydrology, 2020, 587, 125031.	5.4	12

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55	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
56	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
57	Policy-driven changes in enclosure fisheries of large lakes in the Yangtze Plain: Evidence from satellite imagery. Science of the Total Environment, 2019, 688, 1286-1297.	8.0	20
58	Remote sensing of cyanobacterial blooms in inland waters: present knowledge and future challenges. Science Bulletin, 2019, 64, 1540-1556.	9.0	103
59	Remote Sensing of Secchi Depth in Highly Turbid Lake Waters and Its Application with MERIS Data. Remote Sensing, 2019, 11, 2226.	4.0	30
60	Variability in Dissolved Organic Matter Composition and Biolability across Gradients of Glacial Coverage and Distance from Glacial Terminus on the Tibetan Plateau. Environmental Science & Technology, 2019, 53, 12207-12217.	10.0	37
61	Autochthonous dissolved organic matter potentially fuels methane ebullition from experimental lakes. Water Research, 2019, 166, 115048.	11.3	48
62	Long-term variation of phytoplankton biomass and physiology in Taihu lake as observed via MODIS satellite. Water Research, 2019, 153, 187-199.	11.3	42
63	Response of chromophoric dissolved organic matter dynamics to tidal oscillations and anthropogenic disturbances in a large subtropical estuary. Science of the Total Environment, 2019, 662, 769-778.	8.0	29
64	Composition of dissolved organic matter controls interactions with La and Al ions: Implications for phosphorus immobilization in eutrophic lakes. Environmental Pollution, 2019, 248, 36-47.	7.5	32
65	Inherent Optical Properties in Lake Taihu Derived from VIIRS Satellite Observations. Remote Sensing, 2019, 11, 1426.	4.0	15
66	High Temporal Resolution Monitoring of Suspended Matter Changes from GOCI Measurements in Lake Taihu. Remote Sensing, 2019, 11, 985.	4.0	15
67	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
68	Microbial production and consumption of dissolved organic matter in glacial ecosystems on the Tibetan Plateau. Water Research, 2019, 160, 18-28.	11.3	78
69	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
70	Influence of the three Gorges Reservoir on the shrinkage of China's two largest freshwater lakes. Global and Planetary Change, 2019, 177, 45-55.	3.5	39
71	Spatial and temporal variability in water transparency in Yunnan Plateau lakes, China. Aquatic Sciences, 2019, 81, 1.	1.5	25
72	Phenology of Phytoplankton Blooms in a Trophic Lake Observed from Long-Term MODIS Data. Environmental Science & Technology, 2019, 53, 2324-2331.	10.0	96

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73	Decline in Transparency of Lake Hongze from Long-Term MODIS Observations: Possible Causes and Potential Significance. Remote Sensing, 2019, 11, 177.	4.0	24
74	Why Lake Taihu continues to be plagued with cyanobacterial blooms through 10 years (2007–2017) efforts. Science Bulletin, 2019, 64, 354-356.	9.0	243
75	Long-term change of total suspended matter in a deep-valley reservoir with HJ-1A/B: implications for reservoir management. Environmental Science and Pollution Research, 2019, 26, 3041-3054.	5.3	13
76	Thermal stratification dynamics in a large and deep subtropical reservoir revealed by high-frequency buoy data. Science of the Total Environment, 2019, 651, 614-624.	8.0	70
77	Seasonal and spatial distributions of euphotic zone and long-term variations in water transparency in a clear oligotrophic Lake Fuxian, China. Journal of Environmental Sciences, 2018, 72, 185-197.	6.1	33
78	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
79	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
80	Water diversion projects negatively impact lake metabolism: A case study in Lake Dazong, China. Science of the Total Environment, 2018, 613-614, 1460-1468.	8.0	16
81	Spatiotemporal dynamics of chlorophyll-a in a large reservoir as derived from Landsat 8 OLI data: understanding its driving and restrictive factors. Environmental Science and Pollution Research, 2018, 25, 1359-1374.	5.3	42
82	Optical types of inland and coastal waters. Limnology and Oceanography, 2018, 63, 846-870.	3.1	196
83	Effects of climatically-modulated changes in solar radiation and wind speed on spring phytoplankton community dynamics in Lake Taihu, China. PLoS ONE, 2018, 13, e0205260.	2.5	14
84	Field Observation of Different Wind‐Induced Basin‐Scale Current Field Dynamics in a Large, Polymictic, Eutrophic Lake. Journal of Geophysical Research: Oceans, 2018, 123, 6945-6961.	2.6	16
85	Long-Term Changes in Water Clarity in Lake Liangzi Determined by Remote Sensing. Remote Sensing, 2018, 10, 1441.	4.0	27
86	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
87	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
88	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
89	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
90	Nitrogen Fixation Occurring in Sediments: Contribution to the Nitrogen Budget of Lake Taihu, China. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 2661-2674.	3.0	30

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91	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
92	Deriving Total Suspended Matter Concentration from the Near-Infrared-Based Inherent Optical Properties over Turbid Waters: A Case Study in Lake Taihu. Remote Sensing, 2018, 10, 333.	4.0	31
93	Dynamics of the wetland vegetation in large lakes of the Yangtze Plain in response to both fertilizer consumption and climatic changes. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 141, 148-160.	11.1	40
94	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
95	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. Water Resources Research, 2018, 54, 4319-4331.	4.2	82
96	A bibliometric review of nitrogen research in eutrophic lakes and reservoirs. Journal of Environmental Sciences, 2018, 66, 274-285.	6.1	34
97	A semi-analytical model for estimating total suspended matter in highly turbid waters. Optics Express, 2018, 26, 34094.	3.4	13
98	Regional and global elevational patterns of microbial species richness and evenness. Ecography, 2017, 40, 393-402.	4.5	79
99	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
100	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
101	Improving water quality in China: Environmental investment pays dividends. Water Research, 2017, 118, 152-159.	11.3	140
102	Monitoring spatiotemporal variations in nutrients in a large drinking water reservoir and their relationships with hydrological and meteorological conditions based on Landsat 8 imagery. Science of the Total Environment, 2017, 599-600, 1705-1717.	8.0	73
103	Research development, current hotspots, and future directions of water research based on MODIS images: a critical review with a bibliometric analysis. Environmental Science and Pollution Research, 2017, 24, 15226-15239.	5.3	37
104	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
105	Hydraulic connectivity and evaporation control the water quality and sources of chromophoric dissolved organic matter in Lake Bosten in arid northwest China. Chemosphere, 2017, 188, 608-617.	8.2	20
106	Global loss of aquatic vegetation in lakes. Earth-Science Reviews, 2017, 173, 259-265.	9.1	249
107	Spatial and temporal variation in autochthonous and allochthonous contributors to increased organic carbon and nitrogen burial in a plateau lake. Science of the Total Environment, 2017, 603-604, 390-400.	8.0	51
108	Fluorescence peak integration ratio IC:IT as a new potential indicator tracing the compositional changes in chromophoric dissolved organic matter. Science of the Total Environment, 2017, 574, 1588-1598.	8.0	64

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109	Temporal and Spatial Dynamics of Phytoplankton Primary Production in Lake Taihu Derived from MODIS Data. Remote Sensing, 2017, 9, 195.	4.0	42
110	Water Optics and Water Colour Remote Sensing. Remote Sensing, 2017, 9, 818.	4.0	14
111	Denitrification occurring on suspended sediment in a large, shallow, subtropical lake (Poyang Lake,) Tj ETQq1 1 0.784314 rgBT /Overl	7.5	32
112	Inflow rate-driven changes in the composition and dynamics of chromophoric dissolved organic matter in a large drinking water lake. Water Research, 2016, 100, 211-221.	11.3	110
113	The relationships of meteorological factors and nutrient levels with phytoplankton biomass in a shallow eutrophic lake dominated by cyanobacteria, Lake Dianchi from 1991 to 2013. Environmental Science and Pollution Research, 2016, 23, 15616-15626.	5.3	51
114	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
115	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
116	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
117	Impacts of Three Gorges Reservoir on the sedimentation regimes in the downstream-linked two largest Chinese freshwater lakes. Scientific Reports, 2016, 6, 35396.	3.3	35
118	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
119	Influence of long-term inundation and nutrient addition on denitrification in sandy wetland sediments from Poyang Lake, a large shallow subtropical lake in China. Environmental Pollution, 2016, 219, 440-449.	7.5	23
120	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
121	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
122	A Landsat 8 OLI-Based, Semianalytical Model for Estimating the Total Suspended Matter Concentration in the Slightly Turbid Xinâ€™anjiang Reservoir (China). IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 398-413.	4.9	45
123	Phytoplankton assemblages respond differently to climate warming and eutrophication: A case study from PyhÃ¤jÃ¤vi and Taihu. Journal of Great Lakes Research, 2016, 42, 386-396.	1.9	32
124	Effects of temperature on the optical properties of *Microcystis aeruginosa* and *Scenedesmus obliquus*. Journal of Freshwater Ecology, 2016, 31, 361-375.	1.2	13
125	Dissolved organic matter fluorescence at wavelength 275/342Ânm as a key indicator for detection of point-source contamination in a large Chinese drinking water lake. Chemosphere, 2016, 144, 503-509.	8.2	84
126	Long-term changes in surface solar radiation and their effects on air temperature in the Shanghai region. International Journal of Climatology, 2015, 35, 3385-3396.	3.5	13

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127	Seasonal-Spatial Distribution and Long-Term Variation of Transparency in Xin'anjiang Reservoir: Implications for Reservoir Management. International Journal of Environmental Research and Public Health, 2015, 12, 9492-9507.	2.6	36
128	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
129	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
130	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
131	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
132	Multi-temporal scale characteristics of algae biomass and selected environmental parameters based on wavelet analysis in Lake Taihu, China. Hydrobiologia, 2015, 747, 189-199.	2.0	5
133	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
134	Enhanced lakebed sediment erosion in Dongting Lake induced by the operation of the Three Gorges Reservoir. Journal of Chinese Geography, 2015, 25, 917-929.	3.9	19
135	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
136	Lake Taihu, a large, shallow and eutrophic aquatic ecosystem in China serves as a sink for chromophoric dissolved organic matter. Journal of Great Lakes Research, 2015, 41, 597-606.	1.9	30
137	Long-Term Satellite Observations of Microcystin Concentrations in Lake Taihu during Cyanobacterial Bloom Periods. Environmental Science & Technology, 2015, 49, 6448-6456.	10.0	116
138	Dissolved oxygen stratification and response to thermal structure and long-term climate change in a large and deep subtropical reservoir (Lake Qiandaohu, China). Water Research, 2015, 75, 249-258.	11.3	181
139	Dynamics of chromophoric dissolved organic matter influenced by hydrological conditions in a large, shallow, and eutrophic lake in China. Environmental Science and Pollution Research, 2015, 22, 12992-13003.	5.3	26
140	The effect of intense hydrodynamic disturbance on chromophoric dissolved organic matter in a shallow eutrophic lake. Journal of Freshwater Ecology, 2015, 30, 143-156.	1.2	8
141	Remote estimation of cyanobacteria-dominance in inland waters. Water Research, 2015, 68, 217-226.	11.3	28
142	Distribution of dissolved acidic polysaccharides (dAPS) during cyanobacteria blooms in northern Lake Taihu. Limnology, 2015, 16, 21-29.	1.5	19
143	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
144	Absorption and fluorescence properties of chromophoric dissolved organic matter: implications for the monitoring of water quality in a large subtropical reservoir. Environmental Science and Pollution Research, 2014, 21, 14078-14090.	5.3	42

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145	The Potential Applications of Real-Time Monitoring of Water Quality in a Large Shallow Lake (Lake) Tj ETQq1 1 0.784314 rgBT /Overlock 11580-11594.	3.8	41
146	Absorption and fluorescence characteristics of rainwater CDOM and contribution to Lake Taihu, China. Atmospheric Environment, 2014, 98, 483-491.	4.1	53
147	Earlier and warmer springs increase cyanobacterial (<i>Microcystis</i> spp.) blooms in subtropical Lake Taihu, China. Freshwater Biology, 2014, 59, 1076-1085.	2.4	138
148	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
149	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
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	High-frequency optical measurements in shallow Lake Taihu, China: determining the relationships between hydrodynamic processes and inherent optical properties. Hydrobiologia, 2014, 724, 187-201.	2.0	15
152	Thermal structure and response to long‚Ä†term climatic changes in Lake Qiandaohu, a deep subtropical reservoir in China. Limnology and Oceanography, 2014, 59, 1193-1202.	3.1	117
153	Effects of Nutrients, Temperature and Their Interactions on Spring Phytoplankton Community Succession in Lake Taihu, China. PLoS ONE, 2014, 9, e113960.	2.5	76
154	Influence of algal bloom degradation on nutrient release at the sediment‚Ä"water interface in Lake Taihu, China. Environmental Science and Pollution Research, 2013, 20, 1803-1811.	5.3	142
155	Lake eutrophication and its ecosystem response. Science Bulletin, 2013, 58, 961-970.	1.7	236
156	Pre-classification improves relationships between water clarity, light attenuation, and suspended particulates in turbid inland waters. Hydrobiologia, 2013, 711, 71-86.	2.0	17
157	Remote Sensing of Water Optical Property for China's Inland Lake Taihu Using the SWIR Atmospheric Correction With 1640 and 2130 nm Bands. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 2505-2516.	4.9	41
158	Fluorescent Dissolved Organic Matter in Natural Waters. Environmental Science and Engineering, 2013, , 429-559.	0.2	22
159	Compositional differences of chromophoric dissolved organic matter derived from phytoplankton and macrophytes. Organic Geochemistry, 2013, 55, 26-37.	1.8	140
160	Wind and submerged aquatic vegetation influence bio‚Ä¢optical properties in large shallow Lake Taihu, China. Journal of Geophysical Research G: Biogeosciences, 2013, 118, 713-727.	3.0	52
161	Estimation of the algal-available phosphorus pool in sediments of a large, shallow eutrophic lake (Taihu, China) using profiled SMT fractional analysis. Environmental Pollution, 2013, 173, 216-223.	7.5	128
162	Photobleaching Response of Different Sources of Chromophoric Dissolved Organic Matter Exposed to Natural Solar Radiation Using Absorption and Excitation‚Ä"Emission Matrix Spectra. PLoS ONE, 2013, 8, e77515.	2.5	55

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