# Yunlin Zhang

List of Publications by Year
in descending order



| 190 | 12,005 | 23567 | 33894 |
|---|---|---|---|
| papers | citations | 58 h-index | 99 g-index |

| 195 | 195 | 195 | 6678 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Environmental issues of Lake Taihu, China. Hydrobiologia, 2007, 581, 3-14. | 2.0 | 835 |
| 2 | A Drinking Water Crisis in Lake Taihu, China: Linkage to Climatic Variability and Lake Management. Environmental Management, 2010, 45, 105-112. | 2.7 | 778 |
| 3 | 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 |
| 4 | Global loss of aquatic vegetation in lakes. Earth-Science Reviews, 2017, 173, 259-265. | 9.1 | 249 |
| 5 | 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 |
| 6 | Lake eutrophication and its ecosystem response. Science Bulletin, 2013, 58, 961-970. | 1.7 | 236 |
| 7 | Characteristics and sources of chromophoric dissolved organic matter in lakes of the Yungui Plateau, China, differing in trophic state and altitude. Limnology and Oceanography, 2010, 55, 2645-2659. | 3.1 | 231 |
| 8 | 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 |
| 9 | Characterizing chromophoric dissolved organic matter in Lake Tianmuhu and its catchment basin using excitation-emission matrix fluorescence and parallel factor analysis. Water Research, 2011, 45, 5110-5122. | 11.3 | 202 |
| 10 | 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 |
| 11 | Optical types of inland and coastal waters. Limnology and Oceanography, 2018, 63, 846-870. | 3.1 | 196 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | Compositional differences of chromophoric dissolved organic matter derived from phytoplankton and macrophytes. Organic Geochemistry, 2013, 55, 26-37. | 1.8 | 140 |
| 16 | Improving water quality in China: Environmental investment pays dividends. Water Research, 2017, 118, 152-159. | 11.3 | 140 |
| 17 | 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 |
| 18 | Earlier and warmer springs increase cyanobacterial (Microcystis spp.) blooms in subtropical Lake Taihu, China. Freshwater Biology, 2014, 59, 1076-1085. | 2.4 | 138 |

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| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | Thermal structure and response to longâ€term climatic changes in Lake Qiandaohu, a deep subtropical reservoir in China. Limnology and Oceanography, 2014, 59, 1193-1202. | 3.1 | 117 |
| 24 | Long-Term Satellite Observations of Microcystin Concentrations in Lake Taihu during Cyanobacterial Bloom Periods. Environmental Science & Technology, 2015, 49, 6448-6456. | 10.0 | 116 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | A study of absorption characteristics of chromophoric dissolved organic matter and particles in Lake Taihu, China. Hydrobiologia, 2007, 592, 105-120. | 2.0 | 104 |
| 29 | Remote sensing of cyanobacterial blooms in inland waters: present knowledge and future challenges. Science Bulletin, 2019, 64, 1540-1556. | 9.0 | 103 |
| 30 | Photochemical degradation of chromophoric-dissolved organic matter exposed to simulated UV-B and natural solar radiation. Hydrobiologia, 2009, 627, 159-168. | 2.0 | 101 |
| 31 | Resource aromaticity affects bacterial community successions in response to different sources of dissolved organic matter. Water Research, 2021, 190, 116776. | 11.3 | 101 |
| 32 | 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 |
| 33 | 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 |
| 34 | Phenology of Phytoplankton Blooms in a Trophic Lake Observed from Long-Term MODIS Data. Environmental Science & Technology, 2019, 53, 2324-2331. | 10.0 | 96 |
| 35 | 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 |
| 36 | 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 |

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| 37 | 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 |
| 38 | 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 |
| 39 | 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 |
| 40 | Regional and global elevational patterns of microbial species richness and evenness. Ecography, 2017, 40, 393-402. | 4.5 | 79 |
| 41 | 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 |
| 42 | Chromophoric dissolved organic matter in inland waters: Present knowledge and future challenges. Science of the Total Environment, 2021, 759, 143550. | 8.0 | 79 |
| 43 | Microbial production and consumption of dissolved organic matter in glacial ecosystems on the Tibetan Plateau. Water Research, 2019, 160, 18-28. | 11.3 | 78 |
| 44 | 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 |
| 45 | Effects of Nutrients, Temperature and Their Interactions on Spring Phytoplankton Community Succession in Lake Taihu, China. PLoS ONE, 2014, 9, e113960. | 2.5 | 76 |
| 46 | 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 |
| 47 | 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 |
| 48 | 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 |
| 49 | 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 |
| 50 | 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 |
| 51 | Remote sensing estimation of water clarity for various lakes in China. Water Research, 2021, 192, 116844. | 11.3 | 70 |
| 52 | 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 |
| 53 | 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 |
| 54 | 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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| 55 | 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 |
| 56 | 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 |
| 57 | Anthropogenic transformation of Yangtze Plain freshwater lakes: patterns, drivers and impacts. Remote Sensing of Environment, 2020, 248, 111998. | 11.0 | 63 |
| 58 | Monitoring water quality using proximal remote sensing technology. Science of the Total Environment, 2022, 803, 149805. | 8.0 | 63 |
| 59 | Optically active substances and their contributions to the underwater light climate in Lake Taihu, a large shallow lake in China. Fundamental and Applied Limnology, 2007, 170, 11-19. | 0.7 | 61 |
| 60 | 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 |
| 61 | Extreme Climate Anomalies Enhancing Cyanobacterial Blooms in Eutrophic Lake Taihu, China. Water Resources Research, 2021, 57, e2020WR029371. | 4.2 | 60 |
| 62 | 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 |
| 63 | 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 |
| 64 | 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 |
| 65 | 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 |
| 66 | Absorption and fluorescence characteristics of rainwater CDOM and contribution to Lake Taihu, China. Atmospheric Environment, 2014, 98, 483-491. | 4.1 | 53 |
| 67 | 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 |
| 68 | 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 |
| 69 | 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 |
| 70 | Temporal and spatial variations of chemical oxygen demand in Lake Taihu, China, from 2005 to 2009. Hydrobiologia, 2011, 665, 129-141. | 2.0 | 50 |
| 71 | 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 |
| 72 | 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 |

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| 73 | Autochthonous dissolved organic matter potentially fuels methane ebullition from experimental lakes. Water Research, 2019, 166, 115048. | 11.3 | 48 |
| 74 | Decreasing diversity of rare bacterial subcommunities relates to dissolved organic matter along permafrost thawing gradients. Environment International, 2020, 134, 105330. | 10.0 | 48 |
| 75 | 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 |
| 76 | 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 |
| 77 | 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 |
| 78 | 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 |
| 79 | 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 |
| 80 | Temporal and Spatial Dynamics of Phytoplankton Primary Production in Lake Taihu Derived from MODIS Data. Remote Sensing, 2017, 9, 195. | 4.0 | 42 |
| 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 | 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 |
| 83 | Importance and vulnerability of lakes and reservoirs supporting drinking water in China. Fundamental Research, 2023, 3, 265-273. | 3.3 | 42 |
| 84 | 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 |
| 85 | 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 |
| 86 | 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 |
| 87 | 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 |
| 88 | 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 |
| 89 | 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 |
| 90 | Effect of phytoplankton community composition and cell size on absorption properties in eutrophic shallow lakes: field and experimental evidence. Optics Express, 2012, 20, 11882. | 3.4 | 38 |

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| 91 | 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 |
| 92 | Radiation dimming and decreasing water clarity fuel underwater darkening in lakes. Science Bulletin, 2020, 65, 1675-1684. | 9.0 | 38 |
| 93 | 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 |
| 94 | 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 |
| 95 | Seasonal-Spatial Distribution and Long-Term Variation of Transparency in Xinâ€™anjiang Reservoir: Implications for Reservoir Management. International Journal of Environmental Research and Public Health, 2015, 12, 9492-9507. | 2.6 | 36 |
| 96 | 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 |
| 97 | 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 |
| 98 | Variability of Phosphorus Concentration in Large, Shallow and Eutrophic Lake Taihu, China. Water Environment Research, 2008, 80, 832-839. | 2.7 | 35 |
| 99 | 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 |
| 100 | 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 |
| 101 | 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 |
| 102 | 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 |
| 103 | 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 |
| 104 | A bibliometric review of nitrogen research in eutrophic lakes and reservoirs. Journal of Environmental Sciences, 2018, 66, 274-285. | 6.1 | 34 |
| 105 | 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 |
| 106 | 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 |
| 107 | Denitrification occurring on suspended sediment in a large, shallow, subtropical lake (Poyang Lake,) Tj ETQq1 1 0.784314 rgBT /Overl | 7.5 | 32 |
| 108 | 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 |

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| 109 | 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 |
| 110 | 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 |
| 111 | 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 |
| 112 | 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 |
| 113 | Effects of rainfall on thermal stratification and dissolved oxygen in a deep drinking water reservoir. Hydrological Processes, 2020, 34, 3387-3399. | 2.6 | 32 |
| 114 | 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 |
| 115 | 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 |
| 116 | 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 |
| 117 | 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 |
| 118 | Remote Sensing of Secchi Depth in Highly Turbid Lake Waters and Its Application with MERIS Data. Remote Sensing, 2019, 11, 2226. | 4.0 | 30 |
| 119 | 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 |
| 120 | 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 |
| 121 | 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 |
| 122 | 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 |
| 123 | Remote estimation of cyanobacteria-dominance inÂinland waters. Water Research, 2015, 68, 217-226. | 11.3 | 28 |
| 124 | Environmental controls of harmful cyanobacterial blooms in Chinese inland waters. Harmful Algae, 2021, 110, 102127. | 4.8 | 28 |
| 125 | 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 |
| 126 | Long-Term Changes in Water Clarity in Lake Liangzi Determined by Remote Sensing. Remote Sensing, 2018, 10, 1441. | 4.0 | 27 |

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| 127 | 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 |
| 128 | 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 |
| 129 | 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 |
| 130 | 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 |
| 131 | Spatial and temporal variability in water transparency in Yunnan Plateau lakes, China. Aquatic Sciences, 2019, 81, 1. | 1.5 | 25 |
| 132 | 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 |
| 133 | Regime shifts in shallow lakes observed by remote sensing and the implications for management. Ecological Indicators, 2020, 113, 106285. | 6.3 | 25 |
| 134 | Temporal dependence of chlorophyll aâ€“nutrient relationships in Lake Taihu: Drivers and management implications. Journal of Environmental Management, 2022, 306, 114476. | 7.8 | 25 |
| 135 | Decline in Transparency of Lake Hongze from Long-Term MODIS Observations: Possible Causes and Potential Significance. Remote Sensing, 2019, 11, 177. | 4.0 | 24 |
| 136 | Polluted lake restoration to promote sustainability in the Yangtze River Basin, China. National Science Review, 2022, 9, nwab207. | 9.5 | 24 |
| 137 | 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 |
| 138 | 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 |
| 139 | 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 |
| 140 | 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 |
| 141 | Environmental issues of Lake Taihu, China. , 2007, , 3-14. | | 22 |
| 142 | Fluorescent Dissolved Organic Matter in Natural Waters. Environmental Science and Engineering, 2013, , 429-559. | 0.2 | 22 |
| 143 | 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 |
| 144 | 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 |

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| 145 | Winter Climate Shapes Spring Phytoplankton Development in Nonâ€Iceâ€Covered Lakes: Subtropical Lake Taihu as an Example. Water Resources Research, 2020, 56, e2019WR026680. | 4.2 | 20 |
| 146 | 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 |
| 147 | Distribution of dissolved acidic polysaccharides (dAPS) during cyanobacteria blooms in northern Lake Taihu. Limnology, 2015, 16, 21-29. | 1.5 | 19 |
| 148 | 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 |
| 149 | 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 |
| 150 | Pre-classification improves relationships between water clarity, light attenuation, and suspended particulates in turbid inland waters. Hydrobiologia, 2013, 711, 71-86. | 2.0 | 17 |
| 151 | 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 |
| 152 | Field Observation of Different Windâ€Induced Basinâ€Scale Current Field Dynamics in a Large, Polymictic, Eutrophic Lake. Journal of Geophysical Research: Oceans, 2018, 123, 6945-6961. | 2.6 | 16 |
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