

Yaoyang Xu

List of Publications by Year in descending order

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40
papers

1,026
citations

394421

19
h-index

434195

31
g-index

40
all docs

40
docs citations

40
times ranked

1077
citing authors

#	ARTICLE	IF	CITATIONS
1	Global meta-analysis of microplastic contamination in reservoirs with a novel framework. <i>Water Research</i> , 2021, 207, 117828.	11.3	68
2	Weekly dynamics of phytoplankton functional groups under high water level fluctuations in a subtropical reservoir-bay. <i>Aquatic Ecology</i> , 2011, 45, 197-212.	1.5	63
3	The mobility of phosphorus, iron, and manganese through the sediment-water continuum of a shallow eutrophic freshwater lake under stratified and mixed water-column conditions. <i>Biogeochemistry</i> , 2016, 127, 15-34.	3.5	62
4	Compositional variety of dissolved organic matter and its correlation with water quality in peri-urban and urban river watersheds. <i>Ecological Indicators</i> , 2019, 104, 459-469.	6.3	60
5	Modeling maximum lipid productivity of microalgae: Review and next step. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 32, 29-39.	16.4	54
6	Changes in water types under the regulated mode of water level in Three Gorges Reservoir, China. <i>Quaternary International</i> , 2011, 244, 272-279.	1.5	52
7	Dynamic internal drivers of a historically severe cyanobacteria bloom in Lake Champlain revealed through comprehensive monitoring. <i>Journal of Great Lakes Research</i> , 2015, 41, 818-829.	1.9	45
8	Climate-driven changes in energy and mass inputs systematically alter nutrient concentration and stoichiometry in deep and shallow regions of Lake Champlain. <i>Biogeochemistry</i> , 2017, 133, 201-217.	3.5	44
9	Dynamic Coupling of Iron, Manganese, and Phosphorus Behavior in Water and Sediment of Shallow Ice-Covered Eutrophic Lakes. <i>Environmental Science & Technology</i> , 2015, 49, 9758-9767.	10.0	41
10	Factors regulating trophic status in a large subtropical reservoir, China. <i>Environmental Monitoring and Assessment</i> , 2010, 169, 237-248.	2.7	40
11	Daily Dynamics of Nutrients and Chlorophyll <i>a</i> during a Spring Phytoplankton Bloom in Xiangxi Bay of the Three Gorges Reservoir. <i>Journal of Freshwater Ecology</i> , 2006, 21, 315-321.	1.2	39
12	Pharmaceuticals in two watersheds in Eastern China and their ecological risks. <i>Environmental Pollution</i> , 2021, 277, 116773.	7.5	33
13	Effect of hydrological regime on the macroinvertebrate community in Three-Gorges Reservoir, China. <i>Quaternary International</i> , 2010, 226, 129-135.	1.5	32
14	Seasonal dynamics of suspended solids in a giant subtropical reservoir (China) in relation to internal processes and hydrological features. <i>Quaternary International</i> , 2009, 208, 138-144.	1.5	31
15	Linking reservoir ecosystems research to the sustainable development goals. <i>Science of the Total Environment</i> , 2021, 781, 146769.	8.0	31
16	Quantile regression improves models of lake eutrophication with implications for ecosystem-specific management. <i>Freshwater Biology</i> , 2015, 60, 1841-1853.	2.4	30
17	Asynchrony of spring phytoplankton response to temperature driver within a spatial heterogeneity bay of Three-Gorges Reservoir, China. <i>Limnologia</i> , 2011, 41, 174-180.	1.5	27
18	Winter weather and lake-watershed physical configuration drive phosphorus, iron, and manganese dynamics in water and sediment of ice-covered lakes. <i>Limnology and Oceanography</i> , 2017, 62, 1620-1635.	3.1	26

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19	Spring Diatom Blooming Phases in a Representative Eutrophic Bay of the Three-Gorges Reservoir, China. <i>Journal of Freshwater Ecology</i> , 2009, 24, 191-198.	1.2	20
20	A framework to develop joint nutrient criteria for lake eutrophication management in eutrophic lakes. <i>Journal of Hydrology</i> , 2021, 594, 125883.	5.4	18
21	Urban green infrastructure features influence the type and chemical composition of soil dissolved organic matter. <i>Science of the Total Environment</i> , 2021, 764, 144240.	8.0	18
22	Diel vertical migration of <i>Peridiniopsis niei</i> , Liu et al., a new species of dinoflagellates in an eutrophic bay of Three-Gorge Reservoir, China. <i>Aquatic Ecology</i> , 2010, 44, 387-395.	1.5	17
23	Effects of Reservoir Mainstream on Longitudinal Zonation in Reservoir Bays. <i>Journal of Freshwater Ecology</i> , 2010, 25, 107-117.	1.2	17
24	Sedimentary nutrients in the mainstream and its five tributary bays of a large subtropical reservoir (Three Gorges Reservoir, China). <i>Quaternary International</i> , 2012, 282, 171-177.	1.5	17
25	Developing a 21st Century framework for lake-specific eutrophication assessment using quantile regression. <i>Limnology and Oceanography: Methods</i> , 2015, 13, 237-249.	2.0	17
26	Organophosphate esters in surface soils from a heavily urbanized region of Eastern China: Occurrence, distribution, and ecological risk assessment. <i>Environmental Pollution</i> , 2021, 291, 118200.	7.5	15
27	Temporal Asynchrony of Trophic Status Between Mainstream and Tributary Bay Within a Giant Dendritic Reservoir: The Role of Local-Scale Regulators. <i>Water, Air, and Soil Pollution</i> , 2011, 219, 271-284.	2.4	13
28	Patterns of asynchrony for phytoplankton fluctuations from reservoir mainstream to a tributary bay in a giant dendritic reservoir (Three Gorges Reservoir, China). <i>Aquatic Sciences</i> , 2012, 74, 287-300.	1.5	13
29	Using temporal coherence to determine the responses of water clarity to hydrological processes in a giant subtropical canyon-shaped reservoir (China). <i>Quaternary International</i> , 2010, 226, 151-159.	1.5	11
30	States, Trends, and Future of Aquaponics Research. <i>Sustainability</i> , 2020, 12, 7783.	3.2	10
31	Effect of Water Column Stability on Surface Chlorophyll and Time Lags under Different Nutrient Backgrounds in a Deep Reservoir. <i>Water (Switzerland)</i> , 2019, 11, 1504.	2.7	9
32	Daily and vertical dynamics of rotifers under the impact of diatom blooms in the Three Gorges Reservoir, China. <i>Hydrobiologia</i> , 2011, 675, 29-40.	2.0	8
33	Spatial Distribution of Macroinvertebrate Community along a Longitudinal Gradient in a Eutrophic Reservoir's Bay during Different Impoundment Stages, China. <i>International Review of Hydrobiology</i> , 2012, 97, 169-183.	0.9	8
34	Modeling the drivers of interannual variability in cyanobacterial bloom severity using self-organizing maps and high-frequency data. <i>Inland Waters</i> , 2017, 7, 333-347.	2.2	8
35	Bayesian change point quantile regression approach to enhance the understanding of shifting phytoplankton-dimethyl sulfide relationships in aquatic ecosystems. <i>Water Research</i> , 2021, 201, 117287.	11.3	7
36	Revisiting seasonal dynamics of total nitrogen in reservoirs with a systematic framework for mining data from existing publications. <i>Water Research</i> , 2021, 201, 117380.	11.3	7

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37	Global pattern of studies on phosphorus at watershed scale. Environmental Science and Pollution Research, 2020, 27, 14872-14882.	5.3	5
38	A statistical framework to track temporal dependence of chlorophyllâ€“nutrient relationships with implications for lake eutrophication management. Journal of Hydrology, 2021, 603, 127134.	5.4	4
39	Evolving framework of studies on global gulf ecosystems with Sustainable Development Goals. Environmental Science and Pollution Research, 2022, 29, 18385-18397.	5.3	4
40	Bacterioplankton Richness and Composition in a Seasonal Urban River. Frontiers in Environmental Science, 2021, 9, .	3.3	2