Chen Zhang

List of Publications by Year
in descending order

29 papers	481 citations	686830 13 h-index	713013 21 g-index
30 all docs	30 docs citations	30 times ranked	363 citing authors

#	Article	IF	Citations
1	Physiological and nutritional constraints on zooplankton productivity due to eutrophication and climate change predicted using a resource-based modeling approach. Canadian Journal of Fisheries and Aquatic Sciences, 2022, 79, 472-486.	0.7	6
2	Ecosystem models indicate zooplankton biomass response to nutrient input and climate warming is related to lake size. Ecological Modelling, 2022, 464, 109837.	1.2	5
3	Sediment as a Refuge Spot for Planktonic Crustaceans. Water (Switzerland), 2022, 14, 1680.	1.2	1
4	Cutting‑edge advancements of nanomaterials for medi‑translatable noninvasive theranostic modalities. View, 2021, 2, 20200144.	2.7	8
5	Functional micro/nanobubbles for ultrasound medicine and visualizable guidance. Science China Chemistry, 2021, 64, 899-914.	4.2	18
6	Early warning of water quality degradation: A copula-based Bayesian network model for highly efficient water quality risk assessment. Journal of Environmental Management, 2021, 292, 112749.	3.8	30
7	Elodeids, but not helophytes, increase community diversity and reduce trophic state: Case study with rotifer indices in field ponds. Ecological Indicators, 2021, 128, 107829.	2.6	14
8	An accuracy-improved flood risk and ecological risk assessment in an interconnected river–lake system based on a copula-coupled hydrodynamic risk assessment model. Journal of Hydrology, 2021, 603, 127042.	2.3	8
9	Does the size structure of the littoral community reflect water level fluctuations in shallow waterbodies?. Ecological Indicators, 2021, 132, 108330.	2.6	9
10	The effects of turbulence on phytoplankton and implications for energy transfer with an integrated water quality-ecosystem model in a shallow lake. Journal of Environmental Management, 2020, 256, 109954.	3.8	24
11	A Vine Copula-Based Modeling for Identification of Multivariate Water Pollution Risk in an Interconnected River System Network. Water (Switzerland), 2020, 12, 2741.	1.2	12
12	PyAEM: A Python toolkit for aquatic ecosystem modelling. Ecological Informatics, 2020, 60, 101134.	2.3	0
13	The importance of the wind-drag coefficient parameterization for hydrodynamic modeling of a large shallow lake. Ecological Informatics, 2020, 59, 101106.	2.3	11
14	Zooplankton functional traits as a tool to assess latitudinal variation in the northern-southern temperate European regions during spring and autumn seasons. Ecological Indicators, 2020, 117, 106629.	2.6	18
15	An Ensemble Kalman Filter approach to assess the effects of hydrological variability, water diversion, and meteorological forcing on the total phosphorus concentration in a shallow reservoir. Science of the Total Environment, 2020, 724, 138215.	3.9	12
16	An ensemble modeling framework to study the effects of climate change on the trophic state of shallow reservoirs. Science of the Total Environment, 2019, 697, 134078.	3.9	32
17	Modeling the exposure time in a tidal system: the impacts of external domain, tidal range, and inflows. Environmental Science and Pollution Research, 2018, 25, 11128-11142.	2.7	5
18	A quantitative assessment of the contributions of climatic indicators to changes in nutrients and oxygen levels in a shallow reservoir in China. Theoretical and Applied Climatology, 2018, 133, 215-226.	1.3	5

#	ARTICLE	IF	CITATIONS
19	How Well Does the Mechanistic Water Quality Model CE‐QUAL‐W2 Represent Biogeochemical Responses to Climatic and Hydrologic Forcing?. Water Resources Research, 2018, 54, 6609-6624.	1.7	15
20	Epiphyton dependency of macrophyte biomass in shallow reservoirs and implications for water transparency. Aquatic Botany, 2018, 150, 46-52.	0.8	10
21	Development of submerged macrophyte and epiphyton in a flow-through system: Assessment and modelling predictions in interconnected reservoirs. Ecological Indicators, 2017, 75, 145-154.	2.6	35
22	Analysing the correlations of long-term seasonal water quality parameters, suspended solids and total dissolved solids in a shallow reservoir with meteorological factors. Environmental Science and Pollution Research, 2017, 24, 6746-6756.	2.7	47
23	Estimating renewal timescales with residence time and connectivity in an urban man-made lake in China. Environmental Science and Pollution Research, 2016, 23, 13973-13983.	2.7	10
24	Modeling nutrients, oxygen and critical phosphorus loading in a shallow reservoir in China with a coupled water quality – Macrophytes model. Ecological Indicators, 2016, 66, 212-219.	2.6	25
25	Modelling the effect of water diversion projects on renewal capacity in an urban artificial lake in China. Journal of Hydroinformatics, 2015, 17, 990-1002.	1.1	12
26	Modelling the role of epiphyton and water level for submerged macrophyte development with a modified submerged aquatic vegetation model in a shallow reservoir in China. Ecological Engineering, 2015, 81, 123-132.	1.6	36
27	Potential impacts of climate change on water quality in a shallow reservoir in China. Environmental Science and Pollution Research, 2015, 22, 14971-14982.	2.7	30
28	Water renewal timescales in an ecological reconstructed lagoon in China. Journal of Hydroinformatics, 2013, 15, 991-1001.	1.1	17
29	Analysis of agricultural pollution by flood flow impact on water quality in a reservoir using a three-dimensional water quality model. Journal of Hydroinformatics, 2013, 15, 1061-1072.	1.1	26