

# Chen Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Analysing the correlations of long-term seasonal water quality parameters, suspended solids and total dissolved solids in a shallow reservoir with meteorological factors. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6746-6756.	2.7	47
2	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. <i>Ecological Engineering</i> , 2015, 81, 123-132.	1.6	36
3	Development of submerged macrophyte and epiphyton in a flow-through system: Assessment and modelling predictions in interconnected reservoirs. <i>Ecological Indicators</i> , 2017, 75, 145-154.	2.6	35
4	An ensemble modeling framework to study the effects of climate change on the trophic state of shallow reservoirs. <i>Science of the Total Environment</i> , 2019, 697, 134078.	3.9	32
5	Potential impacts of climate change on water quality in a shallow reservoir in China. <i>Environmental Science and Pollution Research</i> , 2015, 22, 14971-14982.	2.7	30
6	Early warning of water quality degradation: A copula-based Bayesian network model for highly efficient water quality risk assessment. <i>Journal of Environmental Management</i> , 2021, 292, 112749.	3.8	30
7	Analysis of agricultural pollution by flood flow impact on water quality in a reservoir using a three-dimensional water quality model. <i>Journal of Hydroinformatics</i> , 2013, 15, 1061-1072.	1.1	26
8	Modeling nutrients, oxygen and critical phosphorus loading in a shallow reservoir in China with a coupled water quality – Macrophytes model. <i>Ecological Indicators</i> , 2016, 66, 212-219.	2.6	25
9	The effects of turbulence on phytoplankton and implications for energy transfer with an integrated water quality-ecosystem model in a shallow lake. <i>Journal of Environmental Management</i> , 2020, 256, 109954.	3.8	24
10	Zooplankton functional traits as a tool to assess latitudinal variation in the northern-southern temperate European regions during spring and autumn seasons. <i>Ecological Indicators</i> , 2020, 117, 106629.	2.6	18
11	Functional micro/nanobubbles for ultrasound medicine and visualizable guidance. <i>Science China Chemistry</i> , 2021, 64, 899-914.	4.2	18
12	Water renewal timescales in an ecological reconstructed lagoon in China. <i>Journal of Hydroinformatics</i> , 2013, 15, 991-1001.	1.1	17
13	How Well Does the Mechanistic Water Quality Model CEQUAL-W2 Represent Biogeochemical Responses to Climatic and Hydrologic Forcing?. <i>Water Resources Research</i> , 2018, 54, 6609-6624.	1.7	15
14	Elodeids, but not helophytes, increase community diversity and reduce trophic state: Case study with rotifer indices in field ponds. <i>Ecological Indicators</i> , 2021, 128, 107829.	2.6	14
15	Modelling the effect of water diversion projects on renewal capacity in an urban artificial lake in China. <i>Journal of Hydroinformatics</i> , 2015, 17, 990-1002.	1.1	12
16	A Vine Copula-Based Modeling for Identification of Multivariate Water Pollution Risk in an Interconnected River System Network. <i>Water (Switzerland)</i> , 2020, 12, 2741.	1.2	12
17	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. <i>Science of the Total Environment</i> , 2020, 724, 138215.	3.9	12
18	The importance of the wind-drag coefficient parameterization for hydrodynamic modeling of a large shallow lake. <i>Ecological Informatics</i> , 2020, 59, 101106.	2.3	11

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19	Estimating renewal timescales with residence time and connectivity in an urban man-made lake in China. <i>Environmental Science and Pollution Research</i> , 2016, 23, 13973-13983.	2.7	10
20	Epiphyton dependency of macrophyte biomass in shallow reservoirs and implications for water transparency. <i>Aquatic Botany</i> , 2018, 150, 46-52.	0.8	10
21	Does the size structure of the littoral community reflect water level fluctuations in shallow waterbodies?. <i>Ecological Indicators</i> , 2021, 132, 108330.	2.6	9
22	Cutting-edge advancements of nanomaterials for media-translatable noninvasive theranostic modalities. <i>View</i> , 2021, 2, 20200144.	2.7	8
23	An accuracy-improved flood risk and ecological risk assessment in an interconnected river-lake system based on a copula-coupled hydrodynamic risk assessment model. <i>Journal of Hydrology</i> , 2021, 603, 127042.	2.3	8
24	Physiological and nutritional constraints on zooplankton productivity due to eutrophication and climate change predicted using a resource-based modeling approach. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2022, 79, 472-486.	0.7	6
25	Modeling the exposure time in a tidal system: the impacts of external domain, tidal range, and inflows. <i>Environmental Science and Pollution Research</i> , 2018, 25, 11128-11142.	2.7	5
26	A quantitative assessment of the contributions of climatic indicators to changes in nutrients and oxygen levels in a shallow reservoir in China. <i>Theoretical and Applied Climatology</i> , 2018, 133, 215-226.	1.3	5
27	Ecosystem models indicate zooplankton biomass response to nutrient input and climate warming is related to lake size. <i>Ecological Modelling</i> , 2022, 464, 109837.	1.2	5
28	Sediment as a Refuge Spot for Planktonic Crustaceans. <i>Water (Switzerland)</i> , 2022, 14, 1680.	1.2	1
29	PyAEM: A Python toolkit for aquatic ecosystem modelling. <i>Ecological Informatics</i> , 2020, 60, 101134.	2.3	0