Chen Zhang

List of Publications by Year
in descending order

35	860	535685	563245
papers	citations	17	28
		h-index	g-index

36	36	36	1048
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparative study of the anti-obesity and gut microbiota modulation effects of green tea phenolics and their oxidation products in high-fat-induced obese mice. Food Chemistry, 2022, 367, 130735.	4.2	24
2	A Robust Fermentation Process for Natural Chocolate-like Flavor Production with Mycetinis scorodonius. Molecules, 2022, 27, 2503.	1.7	7
3	Sediment as a Refuge Spot for Planktonic Crustaceans. Water (Switzerland), 2022, 14, 1680.	1.2	1
4	Ultrasonic and enzymatic pretreatments of *Monascus* fermentation byproduct for a sustainable production of *Bacillus subtilis*. Journal of the Science of Food and Agriculture, 2021, 101, 3836-3842.	1.7	5
5	Development of a Novel Restrictive Medium for Monascus Enrichment From Hongqu Based on the Synergistic Stress of Lactic Acid and Ethanol. Frontiers in Microbiology, 2021, 12, 702951.	1.5	3
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	Effects of alkali, enzymes, and ultrasound on monosodium glutamate byproduct for a sustainable production of Bacillus subtilis. Food Chemistry, 2021, 360, 129967.	4.2	3
8	Aroma and catechin profile and in vitro antioxidant activity of green tea infusion as affected by submerged fermentation with Wolfiporia cocos (Fu Ling). Food Chemistry, 2021, 361, 130065.	4.2	33
9	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
10	Improving viscosity and gelling properties of leaf pectin by comparing five pectin extraction methods using green tea leaf as a model material. Food Hydrocolloids, 2020, 98, 105246.	5.6	52
11	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
12	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
13	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
14	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
15	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
16	Sustainable scenarios for alkaline protein extraction from leafy biomass using green tea residue as a model material. Biofuels, Bioproducts and Biorefining, 2018, 12, 586-599.	1.9	8
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	A new formula to calculate activity of superoxide dismutase in indirect assays. Analytical Biochemistry, 2016, 503, 65-67.	1.1	30
24	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
25	The modulatory effect of infusions of green tea, oolong tea, and black tea on gut microbiota in high-fat-induced obese mice. Food and Function, 2016, 7, 4869-4879.	2.1	155
26	Integration of galacturonic acid extraction with alkaline protein extraction from green tea leaf residue. Industrial Crops and Products, 2016, 89, 95-102.	2.5	18
27	Improving yield and composition of protein concentrates from green tea residue in an agri-food supply chain: Effect of pre-treatment. Food and Bioproducts Processing, 2016, 100, 92-101.	1.8	24
28	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
29	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
30	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
31	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
32	How Does Alkali Aid Protein Extraction in Green Tea Leaf Residue: A Basis for Integrated Biorefinery of Leaves. PLoS ONE, 2015, 10, e0133046.	1.1	22
33	Critical parameters in cost-effective alkaline extraction for high protein yield from leaves. Biomass and Bioenergy, 2014, 67, 466-472.	2.9	66
34	Water renewal timescales in an ecological reconstructed lagoon in China. Journal of Hydroinformatics, 2013, 15, 991-1001.	1.1	17
35	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