

# Chen Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

860  
citations

471509

17  
h-index

501196

28  
g-index

36  
all docs

36  
docs citations

36  
times ranked

973  
citing authors

#	ARTICLE	IF	CITATIONS
1	The modulatory effect of infusions of green tea, oolong tea, and black tea on gut microbiota in high-fat-induced obese mice. <i>Food and Function</i> , 2016, 7, 4869-4879.	4.6	155
2	Critical parameters in cost-effective alkaline extraction for high protein yield from leaves. <i>Biomass and Bioenergy</i> , 2014, 67, 466-472.	5.7	66
3	Improving viscosity and gelling properties of leaf pectin by comparing five pectin extraction methods using green tea leaf as a model material. <i>Food Hydrocolloids</i> , 2020, 98, 105246.	10.7	52
4	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.	5.3	47
5	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.	3.6	36
6	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.	6.3	35
7	Aroma and catechin profile and in vitro antioxidant activity of green tea infusion as affected by submerged fermentation with <i>Wolfiporia cocos</i> (Fu Ling). <i>Food Chemistry</i> , 2021, 361, 130065.	8.2	33
8	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.	8.0	32
9	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.	5.3	30
10	A new formula to calculate activity of superoxide dismutase in indirect assays. <i>Analytical Biochemistry</i> , 2016, 503, 65-67.	2.4	30
11	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.	7.8	30
12	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.	2.4	26
13	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.	6.3	25
14	Improving yield and composition of protein concentrates from green tea residue in an agri-food supply chain: Effect of pre-treatment. <i>Food and Bioproducts Processing</i> , 2016, 100, 92-101.	3.6	24
15	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.	7.8	24
16	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. <i>Food Chemistry</i> , 2022, 367, 130735.	8.2	24
17	How Does Alkali Aid Protein Extraction in Green Tea Leaf Residue: A Basis for Integrated Biorefinery of Leaves. <i>PLoS ONE</i> , 2015, 10, e0133046.	2.5	22
18	Integration of galacturonic acid extraction with alkaline protein extraction from green tea leaf residue. <i>Industrial Crops and Products</i> , 2016, 89, 95-102.	5.2	18

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19	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.	6.3	18
20	Water renewal timescales in an ecological reconstructed lagoon in China. <i>Journal of Hydroinformatics</i> , 2013, 15, 991-1001.	2.4	17
21	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.	4.2	15
22	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.	2.4	12
23	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.	2.7	12
24	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.	8.0	12
25	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.	5.3	10
26	Epiphyton dependency of macrophyte biomass in shallow reservoirs and implications for water transparency. <i>Aquatic Botany</i> , 2018, 150, 46-52.	1.6	10
27	Sustainable scenarios for alkaline protein extraction from leafy biomass using green tea residue as a model material. <i>Biofuels, Bioproducts and Biorefining</i> , 2018, 12, 586-599.	3.7	8
28	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.	5.4	8
29	A Robust Fermentation Process for Natural Chocolate-like Flavor Production with <i>Mycetinis scorodonius</i> . <i>Molecules</i> , 2022, 27, 2503.	3.8	7
30	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.	5.3	5
31	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.	2.8	5
32	Ultrasonic and enzymatic pretreatments of <i>Monascus</i> fermentation byproduct for a sustainable production of <i>Bacillus subtilis</i> . <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 3836-3842.	3.5	5
33	Development of a Novel Restrictive Medium for <i>Monascus</i> Enrichment From Hongqu Based on the Synergistic Stress of Lactic Acid and Ethanol. <i>Frontiers in Microbiology</i> , 2021, 12, 702951.	3.5	3
34	Effects of alkali, enzymes, and ultrasound on monosodium glutamate byproduct for a sustainable production of <i>Bacillus subtilis</i> . <i>Food Chemistry</i> , 2021, 360, 129967.	8.2	3
35	Sediment as a Refuge Spot for Planktonic Crustaceans. <i>Water (Switzerland)</i> , 2022, 14, 1680.	2.7	1