

# Zhenyu Zhao

## List of Publications by Year in descending order

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14  
papers

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840776

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Combining patterned membrane filtration and flocculation for economical microalgae harvesting. <i>Water Research</i> , 2021, 198, 117181.	11.3	36
2	Synergy between membrane filtration and flocculation for harvesting microalgae. <i>Separation and Purification Technology</i> , 2020, 240, 116603.	7.9	35
3	A highly efficient and energy-saving magnetically induced membrane vibration system for harvesting microalgae. <i>Bioresource Technology</i> , 2020, 300, 122688.	9.6	33
4	Harvesting microalgal biomass using negatively charged polysulfone patterned membranes: Influence of pattern shapes and mechanism of fouling mitigation. <i>Water Research</i> , 2021, 188, 116530.	11.3	28
5	Harvesting microalgae using vibrating, negatively charged, patterned polysulfone membranes. <i>Journal of Membrane Science</i> , 2021, 618, 118617.	8.2	27
6	Optimization of patterned polysulfone membranes for microalgae harvesting. <i>Bioresource Technology</i> , 2020, 309, 123367.	9.6	26
7	Optimization of ultrasound, microwave and Soxhlet extraction of flavonoids from <i>Millettia speciosa</i> Champ. and evaluation of antioxidant activities in vitro. <i>Journal of Food Measurement and Characterization</i> , 2017, 11, 1947-1958.	3.2	20
8	Enhanced microalgal biofilm formation and facilitated microalgae harvesting using a novel pH-responsive, crosslinked patterned and vibrating membrane. <i>Chemical Engineering Journal</i> , 2021, 410, 127390.	12.7	20
9	Optimization of ultrasonic-assisted extraction, refinement and characterization of water-soluble polysaccharide from <i>Dictyosphaerium</i> sp. and evaluation of antioxidant activity in vitro. <i>Journal of Food Measurement and Characterization</i> , 2020, 14, 963-977.	3.2	17
10	Effects of Trophic Modes, Carbon Sources, and Salinity on the Cell Growth and Lipid Accumulation of Tropic Ocean Oilgae Strain <i>Desmodesmus</i> sp. WC08. <i>Applied Biochemistry and Biotechnology</i> , 2016, 180, 452-463.	2.9	16
11	Optimization of preparation process of $\beta$ -cyclodextrin inclusion compound of clove essential oil and evaluation of heat stability and antioxidant activities in vitro. <i>Journal of Food Measurement and Characterization</i> , 2018, 12, 2057-2067.	3.2	13
12	Combustion characteristics and kinetics of five tropic oilgal strains using thermogravimetric analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 131, 1919-1931.	3.6	12
13	Exploiting flocculation and membrane filtration synergies for highly energy-efficient, high-yield microalgae harvesting. <i>Separation and Purification Technology</i> , 2022, 296, 121386.	7.9	10
14	Identification and screening of multiple tropical microalgal strains for antioxidant activity in vitro. <i>Food Bioscience</i> , 2020, 36, 100649.	4.4	9