

# Xiaoge Wu

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

1,134  
citations

567281

15  
h-index

642732

23  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1389  
citing authors

#	ARTICLE	IF	CITATIONS
1	Popcorn-Derived Porous Carbon Flakes with an Ultrahigh Specific Surface Area for Superior Performance Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 30626-30634.	8.0	227
2	Evaluation of the mechanisms of the effect of ultrasound on <i>Microcystis aeruginosa</i> at different ultrasonic frequencies. <i>Water Research</i> , 2012, 46, 2851-2858.	11.3	128
3	Tunable porous structure of carbon nanosheets derived from puffed rice for high energy density supercapacitors. <i>Journal of Power Sources</i> , 2017, 371, 148-155.	7.8	104
4	The effects of ultrasound on cyanobacteria. <i>Harmful Algae</i> , 2011, 10, 738-743.	4.8	87
5	Narrowing the Band Gap of BiOCl for the Hydroxyl Radical Generation of Photocatalysis under Visible Light. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 16569-16576.	6.7	81
6	Effect of ultrasonic frequency and power on algae suspensions. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2010, 45, 863-866.	1.7	71
7	Photocatalytic behavior of biochar-modified carbon nitride with enriched visible-light reactivity. <i>Chemosphere</i> , 2020, 239, 124713.	8.2	63
8	Fast preparation of oxygen vacancy-rich 2D/2D bismuth oxyhalides-reduced graphene oxide composite with improved visible-light photocatalytic properties by solvent-free grinding. <i>Journal of Cleaner Production</i> , 2021, 328, 129651.	9.3	61
9	Micro and nano hierarchical structures of BiOI/activated carbon for efficient visible-light-photocatalytic reactions. <i>Scientific Reports</i> , 2017, 7, 11665.	3.3	59
10	Core/Satellite Structured Fe <sub>3</sub> O <sub>4</sub> /Au Nanocomposites Incorporated with Three-Dimensional Macroporous Graphene Foam as a High-Performance Anode for Microbial Fuel Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1311-1318.	6.7	47
11	Lantern-like bismuth oxyiodide embedded typha-based carbon <i>via in situ</i> self-template and ion exchange recrystallization for high-performance photocatalysis. <i>Dalton Transactions</i> , 2018, 47, 6692-6701.	3.3	40
12	Enzymatic Biofuel Cell: Opportunities and Intrinsic Challenges in Futuristic Applications. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100031.	5.8	38
13	Sono-Fenton hybrid process on the inactivation of <i>Microcystis aeruginosa</i> : Extracellular and intracellular oxidation. <i>Ultrasonics Sonochemistry</i> , 2019, 53, 68-76.	8.2	27
14	Hexagonal boron nitride composite photocatalysts for hydrogen production. <i>Journal of Alloys and Compounds</i> , 2021, 864, 158153.	5.5	26
15	Sonochemical synthesis of Fe <sub>3</sub> O <sub>4</sub> /carbon nanotubes using low frequency ultrasonic devices and their performance for heterogeneous sono-persulfate process on inactivation of <i>Microcystis aeruginosa</i> . <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104634.	8.2	25
16	Advances in the enzymatic biofuel cell powered sensing systems for tumor diagnosis and regulation. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 146, 116476.	11.4	9
17	Ultrasound-mediated intracellular delivery of fluorescent dyes and DNA into microalgal cells. <i>Algal Research</i> , 2016, 15, 210-216.	4.6	8
18	Evaluation of Power Ultrasonic Effects on Algae Cells at a Small Pilot Scale. <i>Water (Switzerland)</i> , 2017, 9, 470.	2.7	7

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19	Ultrasound-assisted coagulation for <i>Microcystis aeruginosa</i> removal using Fe <sub>3</sub> O <sub>4</sub> -loaded carbon nanotubes. RSC Advances, 2020, 10, 13525-13531.	3.6	7
20	Combined effects of volume ratio and nitrate recycling ratio on nutrient removal, sludge characteristic and microbial evolution for DPR optimization. Journal of Environmental Sciences, 2021, 104, 69-83.	6.1	6
21	<i>Microcystis aeruginosa</i> removal by the combination of ultrasound and TiO <sub>2</sub> /biochar. RSC Advances, 2021, 11, 24985-24990.	3.6	5
22	<i>Microcystis</i> @TiO <sub>2</sub> Nanoparticles for Photocatalytic Reduction Reactions: Nitrogen Fixation and Hydrogen Evolution. Catalysts, 2021, 11, 1443.	3.5	4
23	Live microalgal cells modified by Au@carbon dots/bilirubin oxidase layers for enhanced oxygen reduction in a membraneless biofuel cell. SmartMat, 2022, 3, 298-310.	10.7	4