Xiaoge Wu

List of Publications by Year
in descending order

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	Advances in the enzymatic biofuel cell powered sensing systems for tumor diagnosis and regulation. TrAC - Trends in Analytical Chemistry, 2022, 146, 116476.	11.4	9
2	Live microalgal cells modified by Lâ€cys/Au@carbon dots/bilirubin oxidase layers for enhanced oxygen reduction in a membraneâ€less biofuel cell. SmartMat, 2022, 3, 298-310.	10.7	4
3	Hexagonal boron nitride composite photocatalysts for hydrogen production. Journal of Alloys and Compounds, 2021, 864, 158153.	5.5	26
4	Enzymatic Biofuel Cell: Opportunities and Intrinsic Challenges in Futuristic Applications. Advanced Energy and Sustainability Research, 2021, 2, 2100031.	5.8	38
5	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
6	Microcystis aeruginosa removal by the combination of ultrasound and TiO2/biochar. RSC Advances, 2021, 11, 24985-24990.	3.6	5
7	Microcystis@TiO2 Nanoparticles for Photocatalytic Reduction Reactions: Nitrogen Fixation and Hydrogen Evolution. Catalysts, 2021, 11, 1443.	3.5	4
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. Journal of Cleaner Production, 2021, 328, 129651.	9.3	61
9	Photocatalytic behavior of biochar-modified carbon nitride with enriched visible-light reactivity. Chemosphere, 2020, 239, 124713.	8.2	63
10	Core/Satellite Structured Fe₃O₄/Au Nanocomposites Incorporated with Three-Dimensional Macroporous Graphene Foam as a High-Performance Anode for Microbial Fuel Cells. ACS Sustainable Chemistry and Engineering, 2020, 8, 1311-1318.	6.7	47
11	Ultrasound-assisted coagulation for <i>Microcystis aeruginosa</i> removal using Fe₃O₄-loaded carbon nanotubes. RSC Advances, 2020, 10, 13525-13531.	3.6	7
12	Narrowing the Band Gap of BiOCl for the Hydroxyl Radical Generation of Photocatalysis under Visible Light. ACS Sustainable Chemistry and Engineering, 2019, 7, 16569-16576.	6.7	81
13	Sonochemical synthesis of Fe3O4/carbon nanotubes using low frequency ultrasonic devices and their performance for heterogeneous sono-persulfate process on inactivation of Microcystis aeruginosa. Ultrasonics Sonochemistry, 2019, 58, 104634.	8.2	25
14	Sono-Fenton hybrid process on the inactivation of Microcystis aeruginosa: Extracellular and intracellular oxidation. Ultrasonics Sonochemistry, 2019, 53, 68-76.	8.2	27
15	Lantern-like bismuth oxyiodide embedded typha-based carbon <i>via in situ</i> self-template and ion exchangeâ€“recrystallization for high-performance photocatalysis. Dalton Transactions, 2018, 47, 6692-6701.	3.3	40
16	Micro and nano hierachical structures of BiOI/activated carbon for efficient visible-light-photocatalytic reactions. Scientific Reports, 2017, 7, 11665.	3.3	59
17	Popcorn-Derived Porous Carbon Flakes with an Ultrahigh Specific Surface Area for Superior Performance Supercapacitors. ACS Applied Materials & Interfaces, 2017, 9, 30626-30634.	8.0	227
18	Tunable porous structure of carbon nanosheets derived from puffed rice for high energy density supercapacitors. Journal of Power Sources, 2017, 371, 148-155.	7.8	104

#	Article	IF	Citations
19	Evaluation of Power Ultrasonic Effects on Algae Cells at a Small Pilot Scale. Water (Switzerland), 2017, 9, 470.	2.7	7
20	Ultrasound-mediated intracellular delivery of fluorescent dyes and DNA into microalgal cells. Algal Research, 2016, 15, 210-216.	4.6	8
21	Evaluation of the mechanisms of the effect of ultrasound on Microcystis aeruginosa at different ultrasonic frequencies. Water Research, 2012, 46, 2851-2858.	11.3	128
22	The effects of ultrasound on cyanobacteria. Harmful Algae, 2011, 10, 738-743.	4.8	87
23	Effect of ultrasonic frequency and power on algae suspensions. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2010, 45, 863-866.	1.7	71