

Xiaoyu Wang

List of Publications by Year in descending order

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papers

457
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687363

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22
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times ranked

577
citing authors

#	ARTICLE	IF	CITATIONS
1	The choice of ionic liquid ions to mitigate corrosion impacts: the influence of superbase cations and electron-donating carboxylate anions. <i>Green Chemistry</i> , 2022, 24, 2114-2128.	9.0	9
2	Self-assembly of Fe ₃ O ₄ with natural tannin as composites for microalgal harvesting. <i>Fuel</i> , 2022, 321, 124038.	6.4	9
3	Facile in situ fabrication of ZnO-embedded cellulose nanocomposite films with antibacterial properties and enhanced mechanical strength via hydrogen bonding interactions. <i>International Journal of Biological Macromolecules</i> , 2021, 183, 760-771.	7.5	26
4	Characterization of Electromagnetic Catalysis and Degradation of Algogenic Odor Using Fe ₃ O ₄ Nanoparticles with Tannin Coating. <i>ACS ES&T Engineering</i> , 2021, 1, 1542-1552.	7.6	2
5	Magnetic coagulation and flocculation of a kaolin suspension using Fe ₃ O ₄ coated with SiO ₂ . <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105980.	6.7	17
6	Magnetic polyphenol nanocomposite of Fe ₃ O ₄ /SiO ₂ /PP for Cd(II) adsorption from aqueous solution. <i>Environmental Technology (United Kingdom)</i> , 2020, , 1-14.	2.2	10
7	Photoelectrocatalytic degradation of microcystin-LR using a dimensionally stable anode and the assessment of detoxification. <i>Chemical Engineering Journal</i> , 2019, 368, 968-979.	12.7	29
8	Application of Fe ₃ O ₄ coated with modified plant polyphenol to harvest oleaginous microalgae. <i>Algal Research</i> , 2019, 38, 101417.	4.6	17
9	Lipid accumulation of <i>Chlorella pyrenoidosa</i> under mixotrophic cultivation using acetate and ammonium. <i>Bioresource Technology</i> , 2018, 262, 342-346.	9.6	36
10	In-situ self-assembly of plant polyphenol-coated Fe ₃ O ₄ particles for oleaginous microalgae harvesting. <i>Journal of Environmental Management</i> , 2018, 214, 335-345.	7.8	32
11	Adsorption of aqueous Cd(II) over a Fe ₃ O ₄ /plant polyphenol magnetic material. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2018, 67, 738-753.	1.4	10
12	Harvesting of <i>Chlorella vulgaris</i> using Fe ₃ O ₄ coated with modified plant polyphenol. <i>Environmental Science and Pollution Research</i> , 2018, 25, 26246-26258.	5.3	21
13	The growth and physiological activity of <i>Microcystis aeruginosa</i> after flocculation using modified tannin. <i>International Biodeterioration and Biodegradation</i> , 2018, 133, 180-186.	3.9	16
14	Enhancing the catalytic activity of a novel GH5 cellulase GtCel5 from <i>Gloeophyllum trabeum</i> CBS 900.73 by site-directed mutagenesis on loop 6. <i>Biotechnology for Biofuels</i> , 2018, 11, 76.	6.2	57
15	Electrochemical treatment of humic acid using particle electrodes ensembled by ordered mesoporous carbon. <i>Environmental Science and Pollution Research</i> , 2018, 25, 20071-20083.	5.3	6
16	Improvement of the catalytic efficiency of a hyperthermophilic xylanase from <i>Bispora</i> sp. MEY-1. <i>PLoS ONE</i> , 2017, 12, e0189806.	2.5	13
17	Improvement of the catalytic performance of a <i>Bispora antennata</i> cellulase by replacing the N-terminal semi-barrel structure. <i>Bioresource Technology</i> , 2016, 218, 279-285.	9.6	5
18	Improvement of the catalytic performance of a hyperthermostable GH10 xylanase from <i>Talaromyces leycettanus</i> JCM12802. <i>Bioresource Technology</i> , 2016, 222, 277-284.	9.6	34

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19	A thermostable <i>Gloeophyllum trabeum</i> xylanase with potential for the brewing industry. <i>Food Chemistry</i> , 2016, 199, 516-523.	8.2	44
20	Application of a Novel Alkali-Tolerant Thermostable DyP-Type Peroxidase from <i>Saccharomonospora viridis</i> DSM 43017 in Biobleaching of Eucalyptus Kraft Pulp. <i>PLoS ONE</i> , 2014, 9, e110319.	2.5	44
21	Analysis of miRNAs and Their Targets during Adventitious Shoot Organogenesis of <i>Acacia crassicarpa</i> . <i>PLoS ONE</i> , 2014, 9, e93438.	2.5	20