

Miaorong Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

265
citations

933447

10
h-index

940533

16
g-index

19
all docs

19
docs citations

19
times ranked

253
citing authors

#	ARTICLE	IF	CITATIONS
1	Enzyme-inorganic hybrid nanoflowers: Classification, synthesis, functionalization and potential applications. <i>Chemical Engineering Journal</i> , 2021, 415, 129075.	12.7	59
2	Synthesis of catalase-inorganic hybrid nanoflowers via sonication for colorimetric detection of hydrogen peroxide. <i>Enzyme and Microbial Technology</i> , 2019, 128, 22-25.	3.2	38
3	A smartphone-assisted portable biosensor using laccase-mineral hybrid microflowlers for colorimetric determination of epinephrine. <i>Talanta</i> , 2021, 224, 121840.	5.5	28
4	Catalase-inorganic hybrid microflowlers modified glassy carbon electrode for amperometric detection of hydrogen peroxide. <i>Materials Letters</i> , 2019, 243, 9-12.	2.6	22
5	Photodeposition of palladium nanoparticles on a porous gallium nitride electrode for nonenzymatic electrochemical sensing of glucose. <i>Mikrochimica Acta</i> , 2019, 186, 83.	5.0	21
6	UV-Vis detection of hydrogen peroxide using horseradish peroxidase/copper phosphate hybrid nanoflowlers. <i>Enzyme and Microbial Technology</i> , 2020, 140, 109620.	3.2	17
7	Green electroless plating of cuprous oxide nanoparticles onto carbon nanotubes as efficient electrocatalysts for hydrogen evolution reaction. <i>Applied Surface Science</i> , 2021, 548, 149218.	6.1	11
8	Facile synthesis of recyclable laccase-mineral hybrid complexes with enhanced activity and stability for biodegradation of Evans Blue dye. <i>International Journal of Biological Macromolecules</i> , 2021, 188, 783-789.	7.5	11
9	A novel smartphone-based colorimetric biosensor for reliable quantification of hydrogen peroxide by enzyme-inorganic hybrid nanoflowlers. <i>Biochemical Engineering Journal</i> , 2021, 167, 107925.	3.6	10
10	Synthesis of three-dimensional laccase-Cu ₃ (PO ₄) ₂ ·3H ₂ O microflowlers via biomineralization for UV-vis epinephrine biosensing. <i>Microchemical Journal</i> , 2022, 172, 106911.	4.5	10
11	Facile immobilization of glucose oxidase with Cu ₃ (PO ₄) ₂ ·3H ₂ O for glucose biosensing via smartphone. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 210, 112259.	5.0	10
12	The <i>in situ</i> growth of Cu ₂ O with a honeycomb structure on a roughed graphite paper for the efficient electroreduction of CO ₂ to C ₂ H ₄ . <i>Catalysis Science and Technology</i> , 2021, 11, 6742-6749.	4.1	8
13	A Novel Electrochemical Hydrogen Peroxide Sensor Based on AuNPs/n-Type GaN Electrode. <i>Chemistry Letters</i> , 2020, 49, 656-658.	1.3	5
14	Cetyl trimethyl ammonium bromide-activated lipase from <i>Aspergillus oryzae</i> immobilized with Cu ₃ (PO ₄) ₂ ·3H ₂ O via biomineralization for hydrolysis of olive oil. <i>LWT - Food Science and Technology</i> , 2022, 159, 113204.	5.2	4
15	The addition of GO-SiO ₂ to synthesis polyethylene terephthalate composite with enhanced crystalline and mechanical properties. <i>Journal of Materials Research and Technology</i> , 2022, 18, 1746-1753.	5.8	4
16	Modified TiO ₂ Structures with Enhanced Photoluminescence and Photocatalytic Activity. <i>Science of Advanced Materials</i> , 2021, 13, 331-341.	0.7	3
17	Preparation of QDs@SiO ₂ -PEG-LMPET and its influence on crystallization and luminescence of polyethylene terephthalate. <i>Nanotechnology</i> , 2021, 32, 225706.	2.6	2
18	Effect of surfactant on the morphology and activity of lipase-Cu ₃ (PO ₄) ₂ ·3H ₂ O hybrid microflowlers. <i>Materials Letters</i> , 2021, 305, 130751.	2.6	2

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19	Self-Photoluminescence of Unzipped Multi-Walled Carbon Nanotubes. <i>Nanomaterials</i> , 2021, 11, 1632.	4.1	0