

Minggang Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

910
citations

567281

15
h-index

526287

27
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28
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28
docs citations

28
times ranked

1409
citing authors

#	ARTICLE	IF	CITATIONS
1	Light regulated heterojunctions with tunable interfacial energy barriers for sensitive and specific detection of copper ions. <i>Chemical Engineering Journal</i> , 2022, 431, 133880.	12.7	10
2	Photoenhanced Oxidase-like Peroxidase-like NiCo ₂ O ₄ @MnO ₂ Nanozymes for Colorimetric Detection of Hydroquinone. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 5651-5658.	6.7	26
3	Dual-Modulated Heterojunctions for Anti-Interference Sensing of Heavy Metals in Seawater. <i>Analytical Chemistry</i> , 2022, 94, 10183-10191.	6.5	2
4	Construction of hierarchical 2D/2D Ti ₃ C ₂ /MoS ₂ nanocomposites for high-efficiency solar steam generation. <i>Journal of Colloid and Interface Science</i> , 2021, 584, 125-133.	9.4	66
5	Tuning Interfacial Energy Barriers in Heterojunctions for Anti-Interference Sensing. <i>Advanced Functional Materials</i> , 2021, 31, 2008604.	14.9	14
6	Fabrication of the Ni-based composite wires for electrochemical detection of copper(â€¦) ions. <i>Analytica Chimica Acta</i> , 2021, 1143, 45-52.	5.4	28
7	Fabrication of 3D Ni/NiO/MoS ₂ /rGO foam for enhancing sensing performance. <i>New Journal of Chemistry</i> , 2021, 45, 4387-4392.	2.8	4
8	Using photo-induced p-n junction interface effect of CoMn ₂ O ₄ /MnO ₂ oxidase mimetics for colorimetric determination of hydroquinone in seawater. <i>Analytica Chimica Acta</i> , 2021, 1172, 338695.	5.4	13
9	Fabrication of the Ni/ZnO/BiOI foam for the improved electrochemical biosensing performance to glucose. <i>Analytica Chimica Acta</i> , 2020, 1095, 93-98.	5.4	17
10	Preparation of NiMn ₂ O ₄ /C necklace-like microspheres as oxidase mimetic for colorimetric determination of ascorbic acid. <i>Talanta</i> , 2020, 219, 121299.	5.5	19
11	Fabrication of CQDs/MoS ₂ /Mo foil for the improved electrochemical detection. <i>Analytica Chimica Acta</i> , 2019, 1079, 79-85.	5.4	10
12	Auxetic Thermo-responsive Nanoplasmonic Optical Switch. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 22754-22760.	8.0	13
13	A novel anode modified by 1,5-dihydroxyanthraquinone/multiwalled carbon nanotubes composite in marine sediment microbial fuel cell and its electrochemical performance. <i>International Journal of Energy Research</i> , 2018, 42, 2574-2582.	4.5	9
14	Interfacial potential barrier driven electrochemical detection of Cr ⁶⁺ . <i>Analytica Chimica Acta</i> , 2018, 1029, 8-14.	5.4	14
15	Preparation of Co ₃ O ₄ /crumpled graphene microsphere as peroxidase mimetic for colorimetric assay of ascorbic acid. <i>Biosensors and Bioelectronics</i> , 2017, 89, 846-852.	10.1	117
16	Triggering interface potential barrier: A controllable tuning mechanism for electrochemical detection. <i>Biosensors and Bioelectronics</i> , 2016, 85, 869-875.	10.1	22
17	New insights into the electrochemical detection application of p-n junction foam: the effects of the interfacial potential barrier. <i>Analyst</i> , 2016, 141, 6515-6520.	3.5	4
18	Preparing Co ₃ O ₄ urchin-like hollow microspheres self-supporting architecture for improved glucose biosensing performance. <i>Sensors and Actuators B: Chemical</i> , 2016, 235, 162-169.	7.8	26

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19	Multifunctional biosensor based on self-assembled multi-walled carbon nanotubes sponge. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 6911-6917.	2.2	11
20	Highly sensitive electrochemical detection of circulating tumor DNA based on thin-layer MoS ₂ /graphene composites. <i>RSC Advances</i> , 2016, 6, 22673-22678.	3.6	76
21	Synthesis of ZnO@CuO porous core-shell spheres and their application for non-enzymatic glucose sensor. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 118, 989-996.	2.3	37
22	Introducing heterojunction barriers into single kinked nanowires for the probe-free detection of proteins and intracellular recording. <i>Nanoscale</i> , 2014, 6, 4052-4057.	5.6	17
23	3D graphene foams decorated by CuO nanoflowers for ultrasensitive ascorbic acid detection. <i>Biosensors and Bioelectronics</i> , 2014, 59, 384-388.	10.1	162
24	Self-assemble ZnMn ₂ O ₄ hierarchical hollow microspheres into self-supporting architecture for enhanced biosensing performance. <i>Biosensors and Bioelectronics</i> , 2014, 61, 443-447.	10.1	18
25	Controlled synthesis of spinel ZnFe ₂ O ₄ decorated ZnO heterostructures as peroxidase mimetics for enhanced colorimetric biosensing. <i>Chemical Communications</i> , 2013, 49, 7656.	4.1	70
26	A single mesoporous ZnO/Chitosan hybrid nanostructure for a novel free nanoprobe type biosensor. <i>Biosensors and Bioelectronics</i> , 2013, 43, 226-230.	10.1	45
27	Synthesis of mesoporous multiwall ZnO nanotubes by replicating silk and application for enzymatic biosensor. <i>Biosensors and Bioelectronics</i> , 2013, 49, 318-322.	10.1	58
28	TiO ₂ @Au NPs Heterojunction Arrays for Sensitive and Specific Detection of Copper Ions. <i>Advanced Materials Interfaces</i> , 0, , 2101169.	3.7	2