

Xiaoyu Wang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25
papers

3,118
citations

17
h-index

28
g-index

28
ext. papers

4,149
ext. citations

9.1
avg, IF

5.92
L-index

#	Paper	IF	Citations
25	Nanomaterials with enzyme-like characteristics (nanozymes): next-generation artificial enzymes (II). <i>Chemical Society Reviews</i> , 2019 , 48, 1004-1076	58.5	1430
24	Nanozymes in bionanotechnology: from sensing to therapeutics and beyond. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 41-60	6.8	427
23	ROS scavenging MnO nanozymes for anti-inflammation. <i>Chemical Science</i> , 2018 , 9, 2927-2933	9.4	251
22	2D-Metal-Organic-Framework-Nanozyme Sensor Arrays for Probing Phosphates and Their Enzymatic Hydrolysis. <i>Analytical Chemistry</i> , 2018 , 90, 9983-9989	7.8	117
21	e occupancy as an effective descriptor for the catalytic activity of perovskite oxide-based peroxidase mimics. <i>Nature Communications</i> , 2019 , 10, 704	17.4	112
20	Ratiometric electrochemical sensor for effective and reliable detection of ascorbic acid in living brains. <i>Analytical Chemistry</i> , 2015 , 87, 8889-95	7.8	97
19	Nanozyme Sensor Arrays for Detecting Versatile Analytes from Small Molecules to Proteins and Cells. <i>Analytical Chemistry</i> , 2018 , 90, 11696-11702	7.8	97
18	Light-Responsive Metal-Organic Framework as an Oxidase Mimic for Cellular Glutathione Detection. <i>Analytical Chemistry</i> , 2019 , 91, 8170-8175	7.8	95
17	Fluorescent Graphitic Carbon Nitride-Based Nanozymes with Peroxidase-Like Activities for Ratiometric Biosensing. <i>Analytical Chemistry</i> , 2019 , 91, 10648-10656	7.8	86
16	Nanozyme Sensor Arrays Based on Heteroatom-Doped Graphene for Detecting Pesticides. <i>Analytical Chemistry</i> , 2020 , 92, 7444-7452	7.8	76
15	Boosting the Peroxidase-Like Activity of Nanostructured Nickel by Inducing Its 3+ Oxidation State in LaNiO Perovskite and Its Application for Biomedical Assays. <i>Theranostics</i> , 2017 , 7, 2277-2286	12.1	71
14	Copper Tannic Acid Coordination Nanosheet: A Potent Nanozyme for Scavenging ROS from Cigarette Smoke. <i>Small</i> , 2020 , 16, e1902123	11	52
13	Nanozymes: Next Wave of Artificial Enzymes. <i>Springer Briefs in Molecular Science</i> , 2016 ,	0.6	50
12	Light-responsive nanozymes for biosensing. <i>Analyst, The</i> , 2020 , 145, 4388-4397	5	25
11	Phosphate-responsive 2D-metal-organic-framework-nanozymes for colorimetric detection of alkaline phosphatase. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 6905-6911	7.3	23
10	Nucleobase-mediated synthesis of nitrogen-doped carbon nanozymes as efficient peroxidase mimics. <i>Dalton Transactions</i> , 2019 , 48, 1993-1999	4.3	20
9	Multifunctional STING-Activating Mn O @Au-dsDNA/DOX Nanoparticle for Antitumor Immunotherapy. <i>Advanced Healthcare Materials</i> , 2020 , 9, e2000064	10.1	20

8	Gold alloy-based nanozyme sensor arrays for biothiols detection. <i>Analyst, The</i> , 2020 , 145, 3916-3921	5	16
7	Porous Ruthenium Selenide Nanoparticle as a Peroxidase Mimic for Glucose Bioassay. <i>Journal of Analysis and Testing</i> , 2019 , 3, 253-259	3.2	9
6	Cerium oxide nanoparticles loaded nanofibrous membranes promote bone regeneration for periodontal tissue engineering. <i>Bioactive Materials</i> , 2022 , 7, 242-253	16.7	9
5	Peroxidase-like nanozyme sensing arrays for versatile analytes. <i>Journal of Nanoparticle Research</i> , 2020 , 22, 1	2.3	8
4	Exsolution of Noble-Metal Nanoparticles on Perovskites as Enhanced Peroxidase Mimics for Bioanalysis. <i>Analytical Chemistry</i> , 2021 , 93, 5954-5962	7.8	8
3	Structurally Engineered Light-Responsive Nanozymes for Enhanced Substrate Specificity. <i>Analytical Chemistry</i> , 2021 , 93, 15150-15158	7.8	5
2	Combining Photothermal Therapy-Induced Immunogenic Cell Death and Hypoxia Relief-Benefited M1-Phenotype Macrophage Polarization for Cancer Immunotherapy. <i>Advanced Therapeutics</i> , 2021 , 4, 2000191	4.9	5
1	Recent advances on nanozyme-based electrochemical biosensors. <i>Electroanalysis</i> ,	3	1