

Xiaoyu Wang

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

5,375
citations

331670

21
h-index

501196

28
g-index

28
all docs

28
docs citations

28
times ranked

4565
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanomaterials with enzyme-like characteristics (nanozymes): next-generation artificial enzymes (II). <i>Chemical Society Reviews</i> , 2019, 48, 1004-1076.	38.1	2,528
2	Nanozymes in bionanotechnology: from sensing to therapeutics and beyond. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 41-60.	6.0	520
3	ROS scavenging Mn ₃ O ₄ nanozymes for <i>in vivo</i> anti-inflammation. <i>Chemical Science</i> , 2018, 9, 2927-2933.	7.4	447
4	eg occupancy as an effective descriptor for the catalytic activity of perovskite oxide-based peroxidase mimics. <i>Nature Communications</i> , 2019, 10, 704.	12.8	199
5	2D-Metal-Organic-Framework-Nanozyme Sensor Arrays for Probing Phosphates and Their Enzymatic Hydrolysis. <i>Analytical Chemistry</i> , 2018, 90, 9983-9989.	6.5	184
6	Light-Responsive Metal-Organic Framework as an Oxidase Mimic for Cellular Glutathione Detection. <i>Analytical Chemistry</i> , 2019, 91, 8170-8175.	6.5	171
7	Nanozyme Sensor Arrays Based on Heteroatom-Doped Graphene for Detecting Pesticides. <i>Analytical Chemistry</i> , 2020, 92, 7444-7452.	6.5	165
8	Nanozyme Sensor Arrays for Detecting Versatile Analytes from Small Molecules to Proteins and Cells. <i>Analytical Chemistry</i> , 2018, 90, 11696-11702.	6.5	150
9	Fluorescent Graphitic Carbon Nitride-Based Nanozymes with Peroxidase-Like Activities for Ratiometric Biosensing. <i>Analytical Chemistry</i> , 2019, 91, 10648-10656.	6.5	139
10	Copper Tannic Acid Coordination Nanosheet: A Potent Nanozyme for Scavenging ROS from Cigarette Smoke. <i>Small</i> , 2020, 16, e1902123.	10.0	136
11	Ratiometric Electrochemical Sensor for Effective and Reliable Detection of Ascorbic Acid in Living Brains. <i>Analytical Chemistry</i> , 2015, 87, 8889-8895.	6.5	125
12	Boosting the Peroxidase-Like Activity of Nanostructured Nickel by Inducing Its 3+ Oxidation State in LaNiO ₃ Perovskite and Its Application for Biomedical Assays. <i>Theranostics</i> , 2017, 7, 2277-2286.	10.0	90
13	Nanozymes: Next Wave of Artificial Enzymes. <i>Springer Briefs in Molecular Science</i> , 2016, , .	0.1	62
14	Light-responsive nanozymes for biosensing. <i>Analyst</i> , The, 2020, 145, 4388-4397.	3.5	61
15	Phosphate-responsive 2D-metal-organic-framework-nanozymes for colorimetric detection of alkaline phosphatase. <i>Journal of Materials Chemistry B</i> , 2020, 8, 6905-6911.	5.8	60
16	Cerium oxide nanoparticles loaded nanofibrous membranes promote bone regeneration for periodontal tissue engineering. <i>Bioactive Materials</i> , 2022, 7, 242-253.	15.6	54
17	Multifunctional STING-Activating Mn ₃ O ₄ @Au@DNA/DOX Nanoparticle for Antitumor Immunotherapy. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000064.	7.6	45
18	Nucleobase-mediated synthesis of nitrogen-doped carbon nanozymes as efficient peroxidase mimics. <i>Dalton Transactions</i> , 2019, 48, 1993-1999.	3.3	44

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19	<i>In Situ</i> Exsolution of Noble-Metal Nanoparticles on Perovskites as Enhanced Peroxidase Mimics for Bioanalysis. <i>Analytical Chemistry</i> , 2021, 93, 5954-5962.	6.5	36
20	Gold alloy-based nanozyme sensor arrays for biothiol detection. <i>Analyst, The</i> , 2020, 145, 3916-3921.	3.5	35
21	Spinel-Oxide-Based Laccase Mimics for the Identification and Differentiation of Phenolic Pollutants. <i>Analytical Chemistry</i> , 2022, 94, 10198-10205.	6.5	28
22	Structurally Engineered Light-Responsive Nanozymes for Enhanced Substrate Specificity. <i>Analytical Chemistry</i> , 2021, 93, 15150-15158.	6.5	27
23	Peroxidase-like nanozyme sensing arrays for versatile analytes. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	1.9	15
24	Porous Ruthenium Selenide Nanoparticle as a Peroxidase Mimic for Glucose Bioassay. <i>Journal of Analysis and Testing</i> , 2019, 3, 253-259.	5.1	14
25	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.	3.2	12
26	Recent Advances on Nanozyme-Based Electrochemical Biosensors. <i>Electroanalysis</i> , 2023, 35, .	2.9	12
27	Guided Synthesis of a Mo/Zn Dual Single-Atom Nanozyme with Synergistic Effect and Peroxidase-Like Activity. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	11