Xiaoyu Wang

List of Publications by Year
in descending order

27 papers	5,375 citations	331259 21 h-index	500791 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). Chemical Society Reviews, 2019, 48, 1004-1076.	18.7	2,528
2	Nanozymes in bionanotechnology: from sensing to therapeutics and beyond. Inorganic Chemistry Frontiers, 2016, 3, 41-60.	3.0	520
3	ROS scavenging Mn₃O₄nanozymes forin vivoanti-inflammation. Chemical Science, 2018, 9, 2927-2933.	3.7	447
4	eg occupancy as an effective descriptor for the catalytic activity of perovskite oxide-based peroxidase mimics. Nature Communications, 2019, 10, 704.	5.8	199
5	2D-Metalâ€“Organic-Framework-Nanozyme Sensor Arrays for Probing Phosphates and Their Enzymatic Hydrolysis. Analytical Chemistry, 2018, 90, 9983-9989.	3.2	184
6	Light-Responsive Metalâ€“Organic Framework as an Oxidase Mimic for Cellular Glutathione Detection. Analytical Chemistry, 2019, 91, 8170-8175.	3.2	171
7	Nanozyme Sensor Arrays Based on Heteroatom-Doped Graphene for Detecting Pesticides. Analytical Chemistry, 2020, 92, 7444-7452.	3.2	165
8	Nanozyme Sensor Arrays for Detecting Versatile Analytes from Small Molecules to Proteins and Cells. Analytical Chemistry, 2018, 90, 11696-11702.	3.2	150
9	Fluorescent Graphitic Carbon Nitride-Based Nanozymes with Peroxidase-Like Activities for Ratiometric Biosensing. Analytical Chemistry, 2019, 91, 10648-10656.	3.2	139
10	Copper Tannic Acid Coordination Nanosheet: A Potent Nanozyme for Scavenging ROS from Cigarette Smoke. Small, 2020, 16, e1902123.	5.2	136
11	Ratiometric Electrochemical Sensor for Effective and Reliable Detection of Ascorbic Acid in Living Brains. Analytical Chemistry, 2015, 87, 8889-8895.	3.2	125
12	Boosting the Peroxidase-Like Activity of Nanostructured Nickel by Inducing Its 3+ Oxidation State in LaNiO₃ Perovskite and Its Application for Biomedical Assays. Theranostics, 2017, 7, 2277-2286.	4.6	90
13	Nanozymes: Next Wave of Artificial Enzymes. Springer Briefs in Molecular Science, 2016, , .	0.1	62
14	Light-responsive nanozymes for biosensing. Analyst, The, 2020, 145, 4388-4397.	1.7	61
15	Phosphate-responsive 2D-metalâ€“organic-framework-nanozymes for colorimetric detection of alkaline phosphatase. Journal of Materials Chemistry B, 2020, 8, 6905-6911.	2.9	60
16	Cerium oxide nanoparticles loaded nanofibrous membranes promote bone regeneration for periodontal tissue engineering. Bioactive Materials, 2022, 7, 242-253.	8.6	54
17	Multifunctional STINGâ€Activating Mn₃O₄@Auâ€dsDNA/DOX Nanoparticle for Antitumor Immunotherapy. Advanced Healthcare Materials, 2020, 9, e2000064.	3.9	45
18	Nucleobase-mediated synthesis of nitrogen-doped carbon nanozymes as efficient peroxidase mimics. Dalton Transactions, 2019, 48, 1993-1999.	1.6	44

#	Article	IF	Citations
19	In Situ Exsolution of Noble-Metal Nanoparticles on Perovskites as Enhanced Peroxidase Mimics for Bioanalysis. Analytical Chemistry, 2021, 93, 5954-5962.	3.2	36
20	Gold alloy-based nanozyme sensor arrays for biothiol detection. Analyst, The, 2020, 145, 3916-3921.	1.7	35
21	Spinel-Oxide-Based Laccase Mimics for the Identification and Differentiation of Phenolic Pollutants. Analytical Chemistry, 2022, 94, 10198-10205.	3.2	28
22	Structurally Engineered Light-Responsive Nanozymes for Enhanced Substrate Specificity. Analytical Chemistry, 2021, 93, 15150-15158.	3.2	27
23	Peroxidase-like nanozyme sensing arrays for versatile analytes. Journal of Nanoparticle Research, 2020, 22, 1.	0.8	15
24	Porous Ruthenium Selenide Nanoparticle as a Peroxidase Mimic for Glucose Bioassay. Journal of Analysis and Testing, 2019, 3, 253-259.	2.5	14
25	Combining Photothermal Therapyâ€Induced Immunogenic Cell Death and Hypoxia Reliefâ€Benefited M1â€Phenotype Macrophage Polarization for Cancer Immunotherapy. Advanced Therapeutics, 2021, 4, 2000191.	1.6	12
26	Recent Advances on Nanozymeâ€based Electrochemical Biosensors. Electroanalysis, 2023, 35, .	1.5	12
27	Guided Synthesis of a Mo/Zn Dual Singleâ€Atom Nanozyme with Synergistic Effect and Peroxidaseâ€like Activity. Angewandte Chemie, 2022, 134, .	1.6	11