Xiaoyu Wang

List of Publications by Year in Descending Order

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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	Cerium oxide nanoparticles loaded nanofibrous membranes promote bone regeneration for periodontal tissue engineering. *Bioactive Materials*, **2022**, 7, 242-253	16.7	9
24	Structurally Engineered Light-Responsive Nanozymes for Enhanced Substrate Specificity. *Analytical Chemistry*, **2021**, 93, 15150-15158	7.8	5
23	Exsolution of Noble-Metal Nanoparticles on Perovskites as Enhanced Peroxidase Mimics for Bioanalysis. *Analytical Chemistry*, **2021**, 93, 5954-5962	7.8	8
22	Combining Photothermal Therapy-Induced Immunogenic Cell Death and Hypoxia Relief-Benefited M1-Phenotype Macrophage Polarization for Cancer Immunotherapy. *Advanced Therapeutics*, **2021**, 4, 2000191	4.9	5
21	Nanozyme Sensor Arrays Based on Heteroatom-Doped Graphene for Detecting Pesticides. *Analytical Chemistry*, **2020**, 92, 7444-7452	7.8	76
20	Phosphate-responsive 2D-metal-organic-framework-nanozymes for colorimetric detection of alkaline phosphatase. *Journal of Materials Chemistry B*, **2020**, 8, 6905-6911	7.3	23
19	Multifunctional STING-Activating Mn O @Au-dsDNA/DOX Nanoparticle for Antitumor Immunotherapy. *Advanced Healthcare Materials*, **2020**, 9, e2000064	10.1	20
18	Peroxidase-like nanozyme sensing arrays for versatile analytes. *Journal of Nanoparticle Research*, **2020**, 22, 1	2.3	8
17	Gold alloy-based nanozyme sensor arrays for biothiol detection. *Analyst, The*, **2020**, 145, 3916-3921	5	16
16	Light-responsive nanozymes for biosensing. *Analyst, The*, **2020**, 145, 4388-4397	5	25
15	Copper Tannic Acid Coordination Nanosheet: A Potent Nanozyme for Scavenging ROS from Cigarette Smoke. *Small*, **2020**, 16, e1902123	11	52
14	Nucleobase-mediated synthesis of nitrogen-doped carbon nanozymes as efficient peroxidase mimics. *Dalton Transactions*, **2019**, 48, 1993-1999	4.3	20
13	Light-Responsive Metal-Organic Framework as an Oxidase Mimic for Cellular Glutathione Detection. *Analytical Chemistry*, **2019**, 91, 8170-8175	7.8	95
12	e occupancy as an effective descriptor for the catalytic activity of perovskite oxide-based peroxidase mimics. *Nature Communications*, **2019**, 10, 704	17.4	112
11	Fluorescent Graphitic Carbon Nitride-Based Nanozymes with Peroxidase-Like Activities for Ratiometric Biosensing. *Analytical Chemistry*, **2019**, 91, 10648-10656	7.8	86
10	Porous Ruthenium Selenide Nanoparticle as a Peroxidase Mimic for Glucose Bioassay. *Journal of Analysis and Testing*, **2019**, 3, 253-259	3.2	9
9	Nanomaterials with enzyme-like characteristics (nanozymes): next-generation artificial enzymes (II). *Chemical Society Reviews*, **2019**, 48, 1004-1076	58.5	1430

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8	ROS scavenging MnO nanozymes for anti-inflammation. *Chemical Science*, **2018**, 9, 2927-2933	9.4	251
7	2D-Metal-Organic-Framework-Nanozyme Sensor Arrays for Probing Phosphates and Their Enzymatic Hydrolysis. *Analytical Chemistry*, **2018**, 90, 9983-9989	7.8	117
6	Nanozyme Sensor Arrays for Detecting Versatile Analytes from Small Molecules to Proteins and Cells. *Analytical Chemistry*, **2018**, 90, 11696-11702	7.8	97
5	Boosting the Peroxidase-Like Activity of Nanostructured Nickel by Inducing Its 3+ Oxidation State in LaNiO Perovskite and Its Application for Biomedical Assays. *Theranostics*, **2017**, 7, 2277-2286	12.1	71
4	Nanozymes in bionanotechnology: from sensing to therapeutics and beyond. *Inorganic Chemistry Frontiers*, **2016**, 3, 41-60	6.8	427
3	Nanozymes: Next Wave of Artificial Enzymes. *Springer Briefs in Molecular Science*, **2016**,	0.6	50
2	Ratiometric electrochemical sensor for effective and reliable detection of ascorbic acid in living brains. *Analytical Chemistry*, **2015**, 87, 8889-95	7.8	97
1	Recent advances on nanozyme-based electrochemical biosensors. *Electroanalysis*,	3	1