

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
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28
all docs

28
docs citations

28
times ranked

4565
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Recent Advances on Nanozyme-based Electrochemical Biosensors. <i>Electroanalysis</i> , 2023, 35, . | 2.9 | 12 |
| 2 | Cerium oxide nanoparticles loaded nanofibrous membranes promote bone regeneration for periodontal tissue engineering. <i>Bioactive Materials</i> , 2022, 7, 242-253. | 15.6 | 54 |
| 3 | 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 |
| 4 | Spinel-Oxide-Based Laccase Mimics for the Identification and Differentiation of Phenolic Pollutants. <i>Analytical Chemistry</i> , 2022, 94, 10198-10205. | 6.5 | 28 |
| 5 | 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 |
| 6 | <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 |
| 7 | Structurally Engineered Light-Responsive Nanozymes for Enhanced Substrate Specificity. <i>Analytical Chemistry</i> , 2021, 93, 15150-15158. | 6.5 | 27 |
| 8 | Copper Tannic Acid Coordination Nanosheet: A Potent Nanozyme for Scavenging ROS from Cigarette Smoke. <i>Small</i> , 2020, 16, e1902123. | 10.0 | 136 |
| 9 | Nanozyme Sensor Arrays Based on Heteroatom-Doped Graphene for Detecting Pesticides. <i>Analytical Chemistry</i> , 2020, 92, 7444-7452. | 6.5 | 165 |
| 10 | 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 |
| 11 | 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 |
| 12 | Peroxidase-like nanozyme sensing arrays for versatile analytes. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1. | 1.9 | 15 |
| 13 | Gold alloy-based nanozyme sensor arrays for biothiol detection. <i>Analyst, The</i> , 2020, 145, 3916-3921. | 3.5 | 35 |
| 14 | Light-responsive nanozymes for biosensing. <i>Analyst, The</i> , 2020, 145, 4388-4397. | 3.5 | 61 |
| 15 | Fluorescent Graphitic Carbon Nitride-Based Nanozymes with Peroxidase-Like Activities for Ratiometric Biosensing. <i>Analytical Chemistry</i> , 2019, 91, 10648-10656. | 6.5 | 139 |
| 16 | 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 |
| 17 | Nucleobase-mediated synthesis of nitrogen-doped carbon nanozymes as efficient peroxidase mimics. <i>Dalton Transactions</i> , 2019, 48, 1993-1999. | 3.3 | 44 |
| 18 | Light-Responsive Metal-Organic Framework as an Oxidase Mimic for Cellular Glutathione Detection. <i>Analytical Chemistry</i> , 2019, 91, 8170-8175. | 6.5 | 171 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | 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 |
| 20 | Nanomaterials with enzyme-like characteristics (nanozymes): next-generation artificial enzymes (II). <i>Chemical Society Reviews</i> , 2019, 48, 1004-1076. | 38.1 | 2,528 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | Nanozymes: Next Wave of Artificial Enzymes. <i>Springer Briefs in Molecular Science</i> , 2016, , . | 0.1 | 62 |
| 26 | Nanozymes in bionanotechnology: from sensing to therapeutics and beyond. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 41-60. | 6.0 | 520 |
| 27 | 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 |