

Publication List

1. Liu, Y., et al., *Coordination-Precipitation Synthesis of Metal Sulfide with Phase Transformation Enhanced Reactivity against Antibiotic-Resistant Bacteria*. Advanced Functional Materials, 2023. **33**(13): p. 2212655.
2. Liu, C., et al., *Red Emissive Carbon Dot Superoxide Dismutase Nanozyme for Bioimaging and Ameliorating Acute Lung Injury*. Advanced Functional Materials, 2023. **33**(19): p. 2370116.
3. Li, Q., et al., *A Dual Synergetic Nanoreactor for Managing Parkinson's Disease by Regulating Inflammation and Mitigating Oxidative Damage*. Advanced Functional Materials, 2023: p. 2214826.
4. Lyu, M., et al., *Personalized Carbon Monoxide-Loaded Biomimetic Single-Atom Nanozyme for Ferroptosis-Enhanced FLASH Radioimmunotherapy*. Advanced Functional Materials, 2023: p. 2306930.
5. Wang, Z., et al., *A Thrombin-Activated Peptide-Templated Nanozyme for Remediying Ischemic Stroke Via Thrombolytic and Neuroprotective Actions*. Advanced Materials, 2023: p. e2210144.
6. Li, Y., et al., *Ablation of Gap Junction Protein Improves the Efficiency of Nanozyme-Mediated Catalytic/Starvation/Mild-Temperature Photothermal Therapy*. Advanced Materials, 2023. **35**(22): p. 2210464.
7. Fan, H., et al., *Surface Ligand Engineering Ruthenium Nanozyme Superior to Horseradish Peroxidase for Enhanced Immunoassay*. Advanced Materials, 2023: p. 2300387.
8. Li, J., et al., *Co-based Nanozymatic Profiling: Advances Spanning Chemistry, Biomedical, and Environmental Sciences*. Advanced Materials, 2023: p. 2307337.
9. Wang, D., et al., *Employing Noble Metal-Porphyrins to Engineer Robust and Highly Active Single-Atom Nanozymes for Targeted Catalytic Therapy in Nasopharyngeal Carcinoma*. Advanced Materials, 2023: p. 2310033.
10. Chen, J., et al., *Manganese-CpG Nanocomposite Integrates ROS-Induced Cell Apoptosis and STING-Activated and Adjuvant-Augmented Immune Responses for Tumor Elimination and Prevention*. Advanced Therapeutics, 2023. **6**(3): p. 2200175.
11. Cheng, M., et al., *Advances in the Theranostics of Oesophageal Squamous Carcinoma*. Advanced Therapeutics, 2023: p. 2200251.
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13. Miao, X., et al., *Bidirectionally Regulating Viral and Cellular Ferroptosis with Metastable Iron Sulfide Against Influenza Virus*. Advanced Science, 2023. **10**(17): p. e2206869.
14. Fang, L., et al., *Protein-Nanocaged Selenium Induces t (8; 21) Leukemia Cell Differentiation via Epigenetic Regulation*. Advanced Science, 2023: p. 2300698.
15. Shi, Y., et al., *Rescuing Nucleus Pulposus Cells From Senescence via Dual-*

- Functional Greigite Nanozyme to Alleviate Intervertebral Disc Degeneration.* Advanced Science, 2023. **10**(25): p. 2300988.
- 16. Liu, R., et al., *Ferritin-Based Nanocomposite Hydrogel Promotes Tumor Penetration and Enhances Cancer Chemoimmunotherapy*. Advanced Science, 2023: p. 2305217.
 - 17. Chen, J., et al., *CD146 promotes malignant progression of breast phyllodes tumor through suppressing DCBLD2 degradation and activating the AKT pathway*. Cancer Communications, 2023.
 - 18. Li, Y., et al., *Nanotechnology connecting copper metabolism and tumor therapy*. MedComm–Biomaterials and Applications, 2023. **2**(2): p. e36.
 - 19. Chu, D., et al., *Manganese Amplifies Photoinduced ROS in Toluidine Blue Carbon Dots to Boost MRI Guided Chemo/Photodynamic Therapy*. Small, 2023: p. 2304968.
 - 20. Wang, M., H. Liu, and K. Fan, *Signal Amplification Strategy Design in Nanozyme-Based Biosensors for Highly Sensitive Detection of Trace Biomarkers*. Small Methods, 2023: p. 2301049.
 - 21. Wang, D., et al., *Rapid and sensitive detection of Epstein-Barr virus antibodies in nasopharyngeal carcinoma by chemiluminescence strips based on iron-porphyrin single atom nanozyme*. Nano Research, 2023: p. 1-10.
 - 22. Hong, J., et al., *Highly sensitive nanozyme strip: an effective tool for forensic material evidence identification*. Nano Research, 2023: p. 1-7.
 - 23. Fan, X., et al., *Bioinspired Metal-organic Framework Nanozyme Reinforced with Thermosensitive Hydrogel for Regulating Inflammatory Responses in Parkinson's Disease*. Nano Research, 2023.
 - 24. Shen, B., et al., *Rapid capture and killing of bacteria by lyophilized nFeS-Hydrogel for improved healing of infected wounds*. Biomaterials advances, 2023. **144**: p. 213207-213207.
 - 25. Ding, J., et al., *Atomic-thick porous Pd nanosheets with antioxidant enzyme-like activities and photothermal properties for potential Alzheimer's disease treatment*. Nano Today, 2023.
 - 26. Cao, H., et al., *Metastable Iron Sulfides: A Versatile Antibacterial Candidate with Multiple Mechanisms against Bacterial Resistance*. Accounts of Materials Research, 2023. **4**(2): p. 115-132.
 - 27. Li, Q.-Z., et al., *Mechanism and Kinetics-Guided Discovery of Nanometal Scissors to Cut Phosphoester Bonds*. ACS Catalysis, 2023.
 - 28. Jing, L., et al., *A subpopulation of CD146+ macrophages enhances antitumor immunity by activating the NLRP3 inflammasome*. Cellular & Molecular Immunology, 2023.
 - 29. Gao, W., et al., *Deciphering the catalytic mechanism of superoxide dismutase activity of carbon dot nanozyme*. Nature Communications, 2023. **14**(1): p. 160.
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39. Luo, Y., et al., *An In Situ Study on Nanozyme Performance to Optimize Nanozyme-Strip for A β Detection*. Sensors, 2023. **23**(7): p. 3414.
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