Tao Zhang

List of Publications by Year
in descending order

26 papers	1,256 citations	516710 16 h-index	552781 26 g-index
26 all docs	26 docs citations	26 times ranked	2262 citing authors

#	Article	IF	Citations
1	Redox homeostasis: the linchpin in stem cell self-renewal and differentiation. Cell Death and Disease, 2013, 4, e537-e537.	6.3	222
2	In Vivo Imaging-Guided Photothermal/Photoacoustic Synergistic Therapy with Bioorthogonal Metabolic Glycoengineering-Activated Tumor Targeting Nanoparticles. ACS Nano, 2017, 11, 8930-8943.	14.6	159
3	Water-Soluble Mitochondria-Specific Ytterbium Complex with Impressive NIR Emission. Journal of the American Chemical Society, 2011, 133, 20120-20122.	13.7	141
4	H2O2-responsive biodegradable nanomedicine for cancer-selective dual-modal imaging guided precise photodynamic therapy. Biomaterials, 2019, 207, 39-48.	11.4	83
5	Dynamic-Reversible Photoacoustic Probe for Continuous Ratiometric Sensing and Imaging of Redox Status in Vivo. Journal of the American Chemical Society, 2019, 141, 19226-19230.	13.7	83
6	In vivo selective cancer-tracking gadolinium eradicator as new-generation photodynamic therapy agent. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5492-7.	7.1	70
7	Theranostic Upconversion Nanobeacons for Tumor mRNA Ratiometric Fluorescence Detection and Imaging-Monitored Drug Delivery. Small, 2016, 12, 5944-5953.	10.0	65
8	Synchronous detection of glutathione/hydrogen peroxide for monitoring redox status in vivo with a ratiometric upconverting nanoprobe. Nano Research, 2019, 12, 931-938.	10.4	56
9	Ratiometric photoacoustic nanoprobes for monitoring and imaging of hydrogen sulfide in vivo. Nanoscale, 2018, 10, 13462-13470.	5.6	49
10	Mitochondriaâ€Specific Agents for Photodynamic Cancer Therapy: A Key Determinant to Boost the Efficacy. Advanced Healthcare Materials, 2021, 10, e2001240.	7.6	42
11	Fluorogenic â€œPhotoclickâ€•Labeling and Imaging of DNA with Coumarin-Fused Tetrazole in Vivo. ACS Sensors, 2019, 4, 44-51.	7.8	39
12	Switching the NIR upconversion of nanoparticles for the orthogonal activation of photoacoustic imaging and phototherapy. Nature Communications, 2022, 13, .	12.8	38
13	Eradication of solid tumors by chemodynamic theranostics with H₂O₂-catalyzed hydroxyl radical burst. Theranostics, 2021, 11, 2334-2348.	10.0	31
14	Light-responsive charge-reversal nanovector for high-efficiency in vivo CRISPR/Cas9 gene editing with controllable location and time. Nano Research, 2020, 13, 2399-2406.	10.4	27
15	Mitochondria-Targeted BODIPY Nanoparticles for Enhanced Photothermal and Photoacoustic Imaging In Vivo. ACS Applied Bio Materials, 2021, 4, 1760-1770.	4.6	24
16	Highly Selective and Responsive Visible to Nearâ€IR Ytterbium Emissive Probe for Monitoring Mercury(II). Chemistry - A European Journal, 2014, 20, 970-973.	3.3	22
17	Aptamer-Functionalized Upconverting Nanoformulations for Light-Switching Cancer-Specific Recognition and In Situ Photodynamicâ€“Chemo Sequential Theranostics. ACS Applied Materials & Interfaces, 2021, 13, 9316-9328.	8.0	18
18	Aza-BODIPY-based phototheranostic nanoagent for tissue oxygen auto-adaptive photodynamic/photothermal complementary therapy. Nano Research, 2022, 15, 716-727.	10.4	18

#	Article	IF	Citations
19	Oxyhemoglobin-monitoring photodynamic theranostics with an 808â€¯nm-excited upconversion optical nanoagent. Chemical Engineering Journal, 2018, 350, 108-119.	12.7	14
20	A reversible biocompatible â€œturn-onâ€•fluorescent probe for the detection of mercury(II). Journal of Luminescence, 2016, 170, 187-193.	3.1	13
21	Versatile gadolinium(III)-phthalocyaninate photoagent for MR/PA imaging-guided parallel photocavitation and photodynamic oxidation at single-laser irradiation. Biomaterials, 2021, 275, 120993.	11.4	10
22	A bioorthogonal time-resolved luminogenic probe for metabolic labelling and imaging of glycans. Inorganic Chemistry Frontiers, 2020, 7, 4062-4069.	6.0	8
23	Near-infrared light controlled fluorogenic labeling of glycoengineered sialic acids in vivo with upconverting photoclick nanoprobe. Nanoscale, 2020, 12, 10361-10368.	5.6	8
24	Photoacoustic nanoprobe for Î²-galactosidase activity detection and imaging in vivo. Journal of Innovative Optical Health Sciences, 2019, 12, .	1.0	7
25	In vivo selective imaging of metabolic glycosylation with a tetrazine-modified upconversion nanoprobe. RSC Advances, 2020, 10, 15990-15996.	3.6	7
26	Single 808â€‰nm nearâ€infrared â€triggered multifunctional upconverting phototheranostic nanocomposite for imagingâ€guided highâ€efficiency treatment of tumors. Journal of Biophotonics, 2021, 14, e202100134.	2.3	2