

# Tao Zhang

## List of Publications by Year in descending order

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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	Aza-BODIPY-based phototheranostic nanoagent for tissue oxygen auto-adaptive photodynamic/photothermal complementary therapy. <i>Nano Research</i> , 2022, 15, 716-727.	10.4	18
2	Switching the NIR upconversion of nanoparticles for the orthogonal activation of photoacoustic imaging and phototherapy. <i>Nature Communications</i> , 2022, 13, .	12.8	38
3	Mitochondria-Specific Agents for Photodynamic Cancer Therapy: A Key Determinant to Boost the Efficacy. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001240.	7.6	42
4	Eradication of solid tumors by chemodynamic theranostics with H <sub>2</sub> O <sub>2</sub> -catalyzed hydroxyl radical burst. <i>Theranostics</i> , 2021, 11, 2334-2348.	10.0	31
5	Aptamer-Functionalized Upconverting Nanoformulations for Light-Switching Cancer-Specific Recognition and <i>In Situ</i> Photodynamic-Chemo Sequential Theranostics. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 9316-9328.	8.0	18
6	Mitochondria-Targeted BODIPY Nanoparticles for Enhanced Photothermal and Photoacoustic Imaging <i>In Vivo</i> . <i>ACS Applied Bio Materials</i> , 2021, 4, 1760-1770.	4.6	24
7	Single 808-nm near-infrared triggered multifunctional upconverting phototheranostic nanocomposite for imaging-guided high-efficiency treatment of tumors. <i>Journal of Biophotonics</i> , 2021, 14, e202100134.	2.3	2
8	Versatile gadolinium(III)-phthalocyaninate photoagent for MR/PA imaging-guided parallel photocavitation and photodynamic oxidation at single-laser irradiation. <i>Biomaterials</i> , 2021, 275, 120993.	11.4	10
9	A bioorthogonal time-resolved luminogenic probe for metabolic labelling and imaging of glycans. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 4062-4069.	6.0	8
10	Near-infrared light controlled fluorogenic labeling of glycoengineered sialic acids <i>in vivo</i> with upconverting photoclick nanoprobe. <i>Nanoscale</i> , 2020, 12, 10361-10368.	5.6	8
11	Light-responsive charge-reversal nanovector for high-efficiency <i>in vivo</i> CRISPR/Cas9 gene editing with controllable location and time. <i>Nano Research</i> , 2020, 13, 2399-2406.	10.4	27
12	<i>In vivo</i> selective imaging of metabolic glycosylation with a tetrazine-modified upconversion nanoprobe. <i>RSC Advances</i> , 2020, 10, 15990-15996.	3.6	7
13	H <sub>2</sub> O <sub>2</sub> -responsive biodegradable nanomedicine for cancer-selective dual-modal imaging guided precise photodynamic therapy. <i>Biomaterials</i> , 2019, 207, 39-48.	11.4	83
14	Synchronous detection of glutathione/hydrogen peroxide for monitoring redox status <i>in vivo</i> with a ratiometric upconverting nanoprobe. <i>Nano Research</i> , 2019, 12, 931-938.	10.4	56
15	Photoacoustic nanoprobe for $\beta$ -galactosidase activity detection and imaging <i>in vivo</i> . <i>Journal of Innovative Optical Health Sciences</i> , 2019, 12, .	1.0	7
16	Dynamic-Reversible Photoacoustic Probe for Continuous Ratiometric Sensing and Imaging of Redox Status <i>In Vivo</i> . <i>Journal of the American Chemical Society</i> , 2019, 141, 19226-19230.	13.7	83
17	Fluorogenic Photoclick-Labeling and Imaging of DNA with Coumarin-Fused Tetrazole <i>In Vivo</i> . <i>ACS Sensors</i> , 2019, 4, 44-51.	7.8	39
18	Oxyhemoglobin-monitoring photodynamic theranostics with an 808-nm-excited upconversion optical nanoagent. <i>Chemical Engineering Journal</i> , 2018, 350, 108-119.	12.7	14

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19	Ratiometric photoacoustic nanoprobe for monitoring and imaging of hydrogen sulfide <i>in vivo</i> . <i>Nanoscale</i> , 2018, 10, 13462-13470.	5.6	49
20	<i>In Vivo</i> Imaging-Guided Photothermal/Photoacoustic Synergistic Therapy with Bioorthogonal Metabolic Glycoengineering-Activated Tumor Targeting Nanoparticles. <i>ACS Nano</i> , 2017, 11, 8930-8943.	14.6	159
21	Theranostic Upconversion Nanobeacons for Tumor mRNA Ratiometric Fluorescence Detection and Imaging-Monitored Drug Delivery. <i>Small</i> , 2016, 12, 5944-5953.	10.0	65
22	A reversible biocompatible "turn-on" fluorescent probe for the detection of mercury(II). <i>Journal of Luminescence</i> , 2016, 170, 187-193.	3.1	13
23	Highly Selective and Responsive Visible to Near-IR Ytterbium Emissive Probe for Monitoring Mercury(II). <i>Chemistry - A European Journal</i> , 2014, 20, 970-973.	3.3	22
24	In vivo selective cancer-tracking gadolinium eradicator as new-generation photodynamic therapy agent. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E5492-7.	7.1	70
25	Redox homeostasis: the linchpin in stem cell self-renewal and differentiation. <i>Cell Death and Disease</i> , 2013, 4, e537-e537.	6.3	222
26	Water-Soluble Mitochondria-Specific Ytterbium Complex with Impressive NIR Emission. <i>Journal of the American Chemical Society</i> , 2011, 133, 20120-20122.	13.7	141