

# Mingxi Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

2,465  
citations

393982

19  
h-index

525886

27  
g-index

28  
all docs

28  
docs citations

28  
times ranked

2350  
citing authors

#	ARTICLE	IF	CITATIONS
1	Boosting the down-shifting luminescence of rare-earth nanocrystals for biological imaging beyond 1500 nm. <i>Nature Communications</i> , 2017, 8, 737.	5.8	416
2	In vivo molecular imaging for immunotherapy using ultra-bright near-infrared-IIb rare-earth nanoparticles. <i>Nature Biotechnology</i> , 2019, 37, 1322-1331.	9.4	398
3	Bright quantum dots emitting at $\sim 1,600$ nm in the NIR-IIb window for deep tissue fluorescence imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 6590-6595.	3.3	310
4	Multiplexed NIR-II Probes for Lymph Node-Invaded Cancer Detection and Imaging-Guided Surgery. <i>Advanced Materials</i> , 2020, 32, e1907365.	11.1	163
5	Light-sheet microscopy in the near-infrared II window. <i>Nature Methods</i> , 2019, 16, 545-552.	9.0	151
6	3D NIR-II Molecular Imaging Distinguishes Targeted Organs with High-Performance NIR-II Bioconjugates. <i>Advanced Materials</i> , 2018, 30, e1705799.	11.1	150
7	Perfecting and extending the near-infrared imaging window. <i>Light: Science and Applications</i> , 2021, 10, 197.	7.7	125
8	Near-Infrared IIb Fluorescence Imaging of Vascular Regeneration with Dynamic Tissue Perfusion Measurement and High Spatial Resolution. <i>Advanced Functional Materials</i> , 2018, 28, 1803417.	7.8	107
9	Chiral Effect at Protein/Graphene Interface: A Bioinspired Perspective To Understand Amyloid Formation. <i>Journal of the American Chemical Society</i> , 2014, 136, 10736-10742.	6.6	105
10	Developing a Bright NIR-II Fluorophore with Fast Renal Excretion and Its Application in Molecular Imaging of Immune Checkpoint PD-1. <i>Advanced Functional Materials</i> , 2018, 28, 1804956.	7.8	85
11	Theranostic near-infrared-IIb emitting nanoprobe for promoting immunogenic radiotherapy and abscopal effects against cancer metastasis. <i>Nature Communications</i> , 2021, 12, 7149.	5.8	63
12	Dual-Responsive Gold Nanoparticles for Colorimetric Recognition and Testing of Carbohydrates with a Dispersion-Dominated Chromogenic Process. <i>Advanced Materials</i> , 2013, 25, 749-754.	11.1	56
13	Noninvasive <i>In Vivo</i> Imaging in the Second Near-Infrared Window by Inorganic Nanoparticle-Based Fluorescent Probes. <i>Analytical Chemistry</i> , 2020, 92, 535-542.	3.2	48
14	Chirality-Assisted Ring-Like Aggregation of $\text{Al}^{2+}$ ( $1 < b > \sim 40$ ) at Liquid-Solid Interfaces: A Stereoselective Two-Step Assembly Process. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2245-2250.	7.2	47
15	Molecular Targeting Nanoprobes with Non-Overlap Emission in the Second Near-Infrared Window for <i>In Vivo</i> Two-Color Colocalization of Immune Cells. <i>ACS Nano</i> , 2019, 13, 12830-12839.	7.3	44
16	Cross-Link-Functionalized Nanoparticles for Rapid Excretion in Nanotheranostic Applications. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20552-20560.	7.2	35
17	Zn-doping enhances the photoluminescence and stability of PbS quantum dots for in vivo high-resolution imaging in the NIR-II window. <i>Nano Research</i> , 2020, 13, 2239-2245.	5.8	33
18	Kinetic study of $\text{Al}^{2+}$ (1-42) amyloidosis in the presence of ganglioside-containing vesicles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 185, 110615.	2.5	32

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19	An Ultra-Stable, Oxygen-Supply Nanoprobe Emitting in Near-Infrared-II Window to Guide and Enhance Radiotherapy by Promoting Anti-Tumor Immunity. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100090.	3.9	27
20	Near-Infrared IIb Emitting Nanoprobe for High-Resolution Real-Time Imaging-Guided Photothermal Therapy Triggering Enhanced Anti-tumor Immunity. <i>ACS Applied Bio Materials</i> , 2020, 3, 1636-1645.	2.3	18
21	Nanoprobe-mediated precise imaging and therapy of glioma. <i>Nanoscale Horizons</i> , 2021, 6, 634-650.	4.1	12
22	Quantum dots assisted in vivo two-photon microscopy with NIR-II emission. <i>Photonics Research</i> , 2022, 10, 189.	3.4	9
23	Ultrasmall MnSe Nanoparticles as $T_1$ -MRI Contrast Agents for <i>In Vivo</i> Tumor Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 11167-11176.	4.0	9
24	Gating of responsive multiple nanochannels by ultra-low concentration of saccharides. <i>Chemical Communications</i> , 2015, 51, 2444-2446.	2.2	7
25	Cross-Link-Functionalized Nanoparticles for Rapid Excretion in Nanotheranostic Applications. <i>Angewandte Chemie</i> , 2020, 132, 20733-20741.	1.6	6
26	Thiolate Etching Route for the Ripening of Uniform $Ag_2Te$ Quantum Dots Emitting in the Second Near-Infrared Window: Implication for Noninvasive <i>In Vivo</i> Imaging. <i>ACS Applied Nano Materials</i> , 2022, 5, 3415-3421.	2.4	6
27	Enhanced delivery of theranostic liposomes through NO-mediated tumor microenvironment remodeling. <i>Nanoscale</i> , 2022, 14, 7473-7479.	2.8	3