

# Jing Zhou

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76 papers	7,050 citations	32 h-index	83 g-index
86 ext. papers	7,806 ext. citations	11.6 avg, IF	6.14 L-index

#	Paper	IF	Citations
76	Upconversion luminescent materials: advances and applications. <i>Chemical Reviews</i> , <b>2015</b> , 115, 395-465	68.1	1422
75	Upconversion nanophosphors for small-animal imaging. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 1323-49	58.5	1352
74	Dual-modality in vivo imaging using rare-earth nanocrystals with near-infrared to near-infrared (NIR-to-NIR) upconversion luminescence and magnetic resonance properties. <i>Biomaterials</i> , <b>2010</b> , 31, 3287-95	15.6	489
73	Fluorine-18-labeled Gd <sup>3+</sup> /Yb <sup>3+</sup> /Er <sup>3+</sup> co-doped NaYF <sub>4</sub> nanophosphors for multimodality PET/MR/UCL imaging. <i>Biomaterials</i> , <b>2011</b> , 32, 1148-56	15.6	366
72	NIR photothermal therapy using polyaniline nanoparticles. <i>Biomaterials</i> , <b>2013</b> , 34, 9584-92	15.6	277
71	18F-Labeled magnetic-upconversion nanophosphors via rare-Earth cation-assisted ligand assembly. <i>ACS Nano</i> , <b>2011</b> , 5, 3146-57	16.7	270
70	Core-shell Fe <sub>3</sub> O <sub>4</sub> @NaLuF <sub>4</sub> :Yb,Er/Tm nanostructure for MRI, CT and upconversion luminescence tri-modality imaging. <i>Biomaterials</i> , <b>2012</b> , 33, 4618-27	15.6	247
69	Multimodal-luminescence core-shell nanocomposites for targeted imaging of tumor cells. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 3577-84	4.8	206
68	High-quality water-soluble and surface-functionalized upconversion nanocrystals as luminescent probes for bioimaging. <i>Biomaterials</i> , <b>2011</b> , 32, 2959-68	15.6	197
67	Core-shell NaYF <sub>4</sub> :Yb <sup>3+</sup> ,Tm <sup>3+</sup> @FexOy nanocrystals for dual-modality T2-enhanced magnetic resonance and NIR-to-NIR upconversion luminescent imaging of small-animal lymphatic node. <i>Biomaterials</i> , <b>2011</b> , 32, 7200-8	15.6	185
66	Iridium-Complex-Modified Upconversion Nanophosphors for Effective LRET Detection of Cyanide Anions in Pure Water. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 2667-2672	15.6	152
65	Water-stable NaLuF <sub>4</sub> -based upconversion nanophosphors with long-term validity for multimodal lymphatic imaging. <i>Biomaterials</i> , <b>2012</b> , 33, 6201-10	15.6	136
64	PEDOT nanocomposites mediated dual-modal photodynamic and photothermal targeted sterilization in both NIR I and II window. <i>Biomaterials</i> , <b>2015</b> , 41, 132-40	15.6	107
63	Mesoporous silica encapsulating upconversion luminescence rare-earth fluoride nanorods for secondary excitation. <i>Langmuir</i> , <b>2010</b> , 26, 8850-6	4	99
62	A cyclometalated iridium(III) complex with enhanced phosphorescence emission in the solid state (EPESS): synthesis, characterization and its application in bioimaging. <i>Dalton Transactions</i> , <b>2011</b> , 40, 1969-76	4.76	86
61	Optimization of Prussian Blue Coated NaDyF <sub>4</sub> :x%Lu Nanocomposites for Multifunctional Imaging-Guided Photothermal Therapy. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 5120-5130	15.6	84
60	Thermoresponsive Nanogel-Encapsulated PEDOT and HSP70 Inhibitor for Improving the Depth of the Photothermal Therapeutic Effect. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 4749-4759	15.6	83

59	Visible light-triggered photoswitchable diarylethene-based iridium(III) complexes for imaging living cells. <i>Chemistry - an Asian Journal</i> , <b>2011</b> , 6, 1263-8	4.5	74
58	Cypate-Conjugated Porous Upconversion Nanocomposites for Programmed Delivery of Heat Shock Protein 70 Small Interfering RNA for Gene Silencing and Photothermal Ablation. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 3480-3489	15.6	73
57	Gadolinium complex and phosphorescent probe-modified NaDyF4 nanorods for T1- and T2-weighted MRI/CT/phosphorescence multimodality imaging. <i>Biomaterials</i> , <b>2014</b> , 35, 368-77	15.6	68
56	Upconversion nanoparticles dramatically promote plant growth without toxicity. <i>Nano Research</i> , <b>2012</b> , 5, 770-782	10	57
55	A versatile fabrication of upconversion nanophosphors with functional-surface tunable ligands. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 8078		57
54	Simultaneously activating highly selective ratiometric MRI and synergistic therapy in response to intratumoral oxidability and acidity. <i>Biomaterials</i> , <b>2018</b> , 180, 104-116	15.6	53
53	Polydopamine-Encapsulated Fe <sub>3</sub> O <sub>4</sub> with an Adsorbed HSP70 Inhibitor for Improved Photothermal Inactivation of Bacteria. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 24455-62	9.5	52
52	One-step fabrication of intense red fluorescent gold nanoclusters and their application in cancer cell imaging. <i>Nanoscale</i> , <b>2013</b> , 5, 6161-6	7.7	50
51	Novel Cs-Based Upconversion Nanoparticles as Dual-Modal CT and UCL Imaging Agents for Chemo-Photothermal Synergistic Therapy. <i>Theranostics</i> , <b>2016</b> , 6, 1491-505	12.1	49
50	Fluorescence and morphology modulation in a photochromic diarylethene self-assembly system. <i>Langmuir</i> , <b>2011</b> , 27, 5090-7	4	44
49	Lanthanide-doped upconversion nanoparticles complexed with nano-oxide graphene used for upconversion fluorescence imaging and photothermal therapy. <i>Biomaterials Science</i> , <b>2018</b> , 6, 877-884	7.4	40
48	Artificially controlled degradable inorganic nanomaterial for cancer theranostics. <i>Biomaterials</i> , <b>2017</b> , 112, 204-217	15.6	39
47	Biocompatible Heat-Shock Protein Inhibitor-Delivered Flowerlike Short-Wave Infrared Nanoprobe for Mild Temperature-Driven Highly Efficient Tumor Ablation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 6820-6828	9.5	33
46	Ultra-small pH-responsive Nd-doped NaDyF Nanoagents for Enhanced Cancer Theranostic by Aggregation. <i>Theranostics</i> , <b>2017</b> , 7, 4217-4228	12.1	32
45	Mn-complex modified NaDyF:Yb@NaLuF:Yb,Er@polydopamine core-shell nanocomposites for multifunctional imaging-guided photothermal therapy. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 2697-2705	7.3	32
44	A d-f heteronuclear complex for dual-mode phosphorescence and magnetic resonance imaging. <i>Biomaterials</i> , <b>2012</b> , 33, 8591-9	15.6	32
43	Rationally designed upconversion nanoprobe for simultaneous highly sensitive ratiometric detection of fluoride ions and fluorosis theranostics. <i>Chemical Science</i> , <b>2018</b> , 9, 5242-5251	9.4	30
42	In Vivo Oxidative Stress Monitoring Through Intracellular Hydroxyl Radicals Detection by Recyclable Upconversion Nanoprobes. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 12299-12305	7.8	30

41	Ultrahigh Sensitivity Multifunctional Nanoprobe for the Detection of Hydroxyl Radical and Evaluation of Heavy Metal Induced Oxidative Stress in Live Hepatocyte. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 4986-4993	7.8	28
40	Recent Advance in Near-Infrared (NIR) Imaging Probes for Cancer Theranostics. <i>Advanced Therapeutics</i> , <b>2018</b> , 1, 1800055	4.9	28
39	Carbon quantum dots as fluorescence sensors for label-free detection of folic acid in biological samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 229, 117931	4.4	27
38	Rationally designed pure-inorganic upconversion nanoprobes for ultra-highly selective hydrogen sulfide imaging and elimination. <i>Chemical Science</i> , <b>2019</b> , 10, 1193-1200	9.4	26
37	Simultaneous Activation of Short-Wave Infrared (SWIR) Light and Paramagnetism by a Functionalized Shell for High Penetration and Spatial Resolution Theranostics. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1705057	15.6	24
36	Design and Fabrication of Temperature-Sensitive Nanogels with Controlled Drug Release Properties for Enhanced Photothermal Sterilization. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 18180-18186	14.8	21
35	Simultaneous multi-signal quantification for highly precise serodiagnosis utilizing a rationally constructed platform. <i>Nature Communications</i> , <b>2019</b> , 10, 5361	17.4	20
34	Extrahepatic cholangiography in near-infrared II window with the clinically approved fluorescence agent indocyanine green: a promising imaging technology for intraoperative diagnosis. <i>Theranostics</i> , <b>2020</b> , 10, 3636-3651	12.1	19
33	DNA-assisted upconversion nanoplatfrom for imaging-guided synergistic therapy and laser-switchable drug detoxification. <i>Biomaterials</i> , <b>2017</b> , 136, 43-55	15.6	17
32	Artemisinin-Loaded Mesoporous Nanoplatfrom for pH-Responsive Radical Generation Synergistic Tumor Theranostics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 6155-6167	9.5	17
31	Temperature modulation of concentration quenching in lanthanide-doped nanoparticles for enhanced upconversion luminescence. <i>Nano Research</i> , <b>2018</b> , 11, 2104-2115	10	17
30	Perfecting and extending the near-infrared imaging window. <i>Light: Science and Applications</i> , <b>2021</b> , 10, 197	16.7	16
29	Influence of epoxy resin on the morphological and rheological properties of PBT/ABS blends compatibilized by ASMA. <i>Polymer Engineering and Science</i> , <b>2007</b> , 47, 1943-1950	2.3	15
28	Aggregation-Induced Emission (AIE) Nanoparticles-Assisted NIR-II Fluorescence Imaging-Guided Diagnosis and Surgery for Inflammatory Bowel Disease (IBD). <i>Advanced Healthcare Materials</i> , <b>2021</b> , e2101043	19.1	15
27	Loading controlled magnetic carbon dots for microwave-assisted solid-phase extraction: Preparation, extraction evaluation and applications in environmental aqueous samples. <i>Journal of Separation Science</i> , <b>2018</b> , 41, 3622-3630	3.4	12
26	Interference-Free Detection of Hydroxyl Radical and Arthritis Diagnosis by Rare Earth-Based Nanoprobe Utilizing SWIR Emission as Reference. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 11433-11439	7.8	12
25	Orthogonal shortwave infrared emission based on rare earth nanoparticles for interference-free logical codes and bio-imaging. <i>Chemical Science</i> , <b>2019</b> , 10, 3281-3288	9.4	11
24	Green synthesis of ultra-small VO nanodots for acidic-activated HSP60 inhibition and therapeutic enhancement. <i>Biomaterials</i> , <b>2019</b> , 194, 94-104	15.6	11

23	Customized Photothermal Therapy of Subcutaneous Orthotopic Cancer by Multichannel Luminescent Nanocomposites. <i>Advanced Materials</i> , <b>2021</b> , 33, e2008615	24	10
22	DNA-templated porous nanoplatform towards programmed "double-hit" cancer therapy via hyperthermia and immunogenicity activation. <i>Biomaterials</i> , <b>2019</b> , 219, 119395	15.6	9
21	Solvent-assisted polymer micro-molding. <i>Science Bulletin</i> , <b>2009</b> , 54, 2193-2204		9
20	Organic Dots with Large E-Conjugated Planar for Cholangiography beyond 1500 nm in Rabbits: A Non-Radioactive Strategy. <i>ACS Nano</i> , <b>2021</b> , 15, 5011-5022	16.7	9
19	Thermo-activatable PNIPAM-functionalized lanthanide-doped upconversion luminescence nanocomposites used for in vitro imaging. <i>RSC Advances</i> , <b>2017</b> , 7, 50643-50647	3.7	8
18	Effect of posttreatment on morphology and properties of poly(ethylene-co-vinyl alcohol) microporous hollow fiber via thermally induced phase separation. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 104, 4106-4112	2.9	8
17	Gadolinium Complex-Modified Polypyrrole Nanorods for Magnetic Resonance Imaging and Infrared Thermal Imaging-Guided Photothermal Therapy of Cancer. <i>Science of Advanced Materials</i> , <b>2015</b> , 7, 1708-1716	2.3	7
16	Molecular Programming of NIR-IIb-Emissive Semiconducting Small Molecules for In Vivo High-Contrast Bioimaging Beyond 1500 nm.. <i>Advanced Materials</i> , <b>2022</b> , e2201263	24	7
15	Orthogonal Near-Infrared-II Imaging Enables Spatially Distinguishing Tissues Based on Lanthanide-Doped Nanoprobes. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 14762-14768	7.8	6
14	Translating from lab-use to household: Dual-functional upconversion nanoprobes for solar-powered photothermal fluorosis diagnosis. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 140, 111341	11.8	5
13	Inflammation-Triggered Supramolecular Nanoplatform for Local Dynamic Dependent Imaging-Guided Therapy of Rheumatoid Arthritis.. <i>Advanced Science</i> , <b>2022</b> , e2105188	13.6	5
12	Force-Free Patterning of Polyelectrolyte Multilayers under Solvent Assistance. <i>Macromolecular Materials and Engineering</i> , <b>2010</b> , 295, 716-725	3.9	4
11	Trojan Antibiotics: New Weapons for Fighting Against Drug Resistance.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 447-453	4.1	4
10	A Spontaneous Membrane-Adsorption Approach to Enhancing Second Near-Infrared Deep-Imaging-Guided Intracranial Tumor Therapy. <i>ACS Nano</i> , <b>2021</b> , 15, 4518-4533	16.7	4
9	Artificially controlled degradable nanoparticles for contrast switch MRI and programmed cancer therapy. <i>International Journal of Nanomedicine</i> , <b>2018</b> , 13, 6647-6659	7.3	4
8	Thermo-responsive enhanced emission rare-earth upconversion nanophosphors based on NaLuF:Yb,Er functionalized with PNIPAM for cell imaging. <i>Journal of Controlled Release</i> , <b>2017</b> , 259, e77-e78	11.7	2
7	Estimation of phase diagrams for copolymer-diluent systems in thermally induced phase separation. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 105, 3513-3518	2.9	2
6	Endogenous HS-Activable Liposomal Nanoplatform for Synergistic Colorectal Tumor Ablation at Mild Apparent Temperature.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 6680-6687	4.1	2

- 5 Multichannel Lanthanide-Doped Nanoprobes Improve Diagnostic Performance. *Accounts of Materials Research*, **2020**, 1, 225-235 7.5 2
- 4 Design and Fabrication of Temperature-Sensitive Nanogels with Controlled Drug Release Properties for Enhanced Photothermal Sterilization. *Chemistry - A European Journal*, **2017**, 23, 18092-18092 4.8 0
- 3 Hot-band absorption of indocyanine green for advanced anti-stokes fluorescence bioimaging. *Light: Science and Applications*, **2021**, 10, 182 16.7 0
- 2 Lanthanide-Based Upconversion Nanophosphors for Bioimaging **2014**, 299-319
- 1 Multi-Channel Optical Device for Solar-Driven Bacterial Inactivation under Real-Time Temperature Feedback. *Chemistry - A European Journal*, **2021**, 27, 11094-11101 4.8