

# Min Zhou

## List of Publications by Year in Descending Order

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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.

99 papers	4,674 citations	34 h-index	67 g-index
104 ext. papers	5,635 ext. citations	9.2 avg, IF	5.7 L-index

#	Paper	IF	Citations
99	Wound microenvironment-responsive glucose consumption and hydrogen peroxide generation synergistic with azithromycin for diabetic wounds healing.. <i>Theranostics</i> , <b>2022</b> , 12, 2658-2673	12.1	4
98	Microalgae-based oral microcarriers for gut microbiota homeostasis and intestinal protection in cancer radiotherapy.. <i>Nature Communications</i> , <b>2022</b> , 13, 1413	17.4	9
97	A Deep Learning Approach for Detecting Colorectal Cancer via Raman Spectra. <i>BME Frontiers</i> , <b>2022</b> , 2022, 1-10	4.4	1
96	Exosomes-loaded thermosensitive hydrogels for corneal epithelium and stroma regeneration.. <i>Biomaterials</i> , <b>2021</b> , 280, 121320	15.6	10
95	Orally deliverable strategy based on microalgal biomass for intestinal disease treatment. <i>Science Advances</i> , <b>2021</b> , 7, eabi9265	14.3	9
94	Zinc oxide nanosphere for hydrogen sulfide scavenging and ferroptosis of colorectal cancer. <i>Journal of Nanobiotechnology</i> , <b>2021</b> , 19, 392	9.4	8
93	Aggregation-induced emission luminogens for image-guided surgery in non-human primates. <i>Nature Communications</i> , <b>2021</b> , 12, 6485	17.4	6
92	Wrapping Porphyromonas gingivalis for tumor microenvironment immunomodulation and photothermal immunotherapy. <i>Nano Today</i> , <b>2021</b> , 41, 101311	17.9	4
91	Research progress on the biomedical application of microalgae. <i>Zhejiang Da Xue Xue Bao Yi Xue Ban = Journal of Zhejiang University Medical Sciences</i> , <b>2021</b> , 50, 261-266		1
90	Simultaneous Deep Tracking of Stem Cells by Surface Enhanced Raman Imaging Combined with Single-Cell Tracking by NIR-II Imaging in Myocardial Infarction. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2100468	15.6	7
89	Bioinspired protein corona strategy enhanced biocompatibility of Ag-Hybrid hollow Au nanoshells for surface-enhanced Raman scattering imaging and on-demand activation tumor-phototherapy. <i>Biomaterials</i> , <b>2021</b> , 271, 120734	15.6	12
88	Low-dose X-ray enhanced tumor accumulation of theranostic nanoparticles for high-performance bimodal imaging-guided photothermal therapy. <i>Journal of Nanobiotechnology</i> , <b>2021</b> , 19, 155	9.4	2
87	A Bioactive Living Hydrogel: Photosynthetic Bacteria Mediated Hypoxia Elimination and Bacteria-Killing to Promote Infected Wound Healing. <i>Advanced Therapeutics</i> , <b>2021</b> , 4, 2000107	4.9	6
86	Recent advances in applications of nanoparticles in SERS in vivo imaging. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2021</b> , 13, e1672	9.2	18
85	Multistage-responsive clustered nanosystem to improve tumor accumulation and penetration for photothermal/enhanced radiation synergistic therapy. <i>Biomaterials</i> , <b>2021</b> , 268, 120590	15.6	19
84	Systematic imaging in medicine: a comprehensive review. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2021</b> , 48, 1736-1758	8.8	4
83	Cupriferous Silver Peroxysulfite Superpyramids as a Universal and Long-Lasting Agent to Eradicate Multidrug-Resistant Bacteria and Promote Wound Healing.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 3729-3738	4.1	6

82	Intraoperative Assessment and Photothermal Ablation of the Tumor Margins Using Gold Nanoparticles. <i>Advanced Science</i> , <b>2021</b> , 8, 2002788	13.6	12
81	Emulsion-template synthesis of mesoporous nickel oxide nanoflowers composed of crossed nanosheets for effective nitrogen reduction. <i>Dalton Transactions</i> , <b>2021</b> , 50, 5835-5844	4.3	5
80	Clearable Nanoparticles for Cancer Photothermal Therapy. <i>Advances in Experimental Medicine and Biology</i> , <b>2021</b> , 1295, 121-134	3.6	0
79	Calcium phosphate engineered photosynthetic microalgae to combat hypoxic-tumor by modulating hypoxia and cascade radio-phototherapy. <i>Theranostics</i> , <b>2021</b> , 11, 3580-3594	12.1	8
78	Algae: A natural active material for biomedical applications. <i>View</i> , <b>2021</b> , 2, 20200189	7.8	4
77	ImmunoPET of trophoblast cell-surface antigen 2 (Trop-2) expression in pancreatic cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2021</b> , 1	8.8	2
76	Lung-Targeting Lysostaphin Microspheres for Methicillin-Resistant Pneumonia Treatment and Prevention. <i>ACS Nano</i> , <b>2021</b> , 15, 16625-16641	16.7	3
75	Ultrasmall Ga-ICG nanoparticles based gallium ion/photodynamic synergistic therapy to eradicate biofilms and against drug-resistant bacterial liver abscess. <i>Bioactive Materials</i> , <b>2021</b> , 6, 3812-3823	16.7	4
74	Engineered algae: A novel oxygen-generating system for effective treatment of hypoxic cancer. <i>Science Advances</i> , <b>2020</b> , 6, eaba5996	14.3	58
73	Emergency reconstruction of large general hospital under the perspective of new COVID-19 prevention and control. <i>Wiener Klinische Wochenschrift</i> , <b>2020</b> , 132, 677-684	2.3	4
72	Induction of antitumor immunity in mice by the combination of nanoparticle-based photothermolysis and anti-PD-1 checkpoint inhibition. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2020</b> , 25, 102169	6	8
71	Photosynthetic Biohybrid Nanoswimmers System to Alleviate Tumor Hypoxia for FL/PA/MR Imaging-Guided Enhanced Radio-Photodynamic Synergetic Therapy. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1910395	15.6	45
70	Light-Activatable Synergistic Therapy of Drug-Resistant Bacteria-Infected Cutaneous Chronic Wounds and Nonhealing Keratitis by Cupriferous Hollow Nanoshells. <i>ACS Nano</i> , <b>2020</b> , 14, 3299-3315	16.7	59
69	Molecular engineering of DAD conjugated small molecule nanoparticles for high performance NIR-II photothermal therapy. <i>Materials Horizons</i> , <b>2020</b> , 7, 1379-1386	14.4	40
68	A COVID-19 Risk Assessment Decision Support System for General Practitioners: Design and Development Study. <i>Journal of Medical Internet Research</i> , <b>2020</b> , 22, e19786	7.6	31
67	Drug Delivery: Biodegradable Microalgae-Based Carriers for Targeted Delivery and Imaging-Guided Therapy toward Lung Metastasis of Breast Cancer (Small 20/2020). <i>Small</i> , <b>2020</b> , 16, 2070109	11	
66	Gold-silver nanoshells promote wound healing from drug-resistant bacteria infection and enable monitoring via surface-enhanced Raman scattering imaging. <i>Biomaterials</i> , <b>2020</b> , 234, 119763	15.6	52
65	Mild temperature photothermal assisted anti-bacterial and anti-inflammatory nanosystem for synergistic treatment of post-cataract surgery endophthalmitis. <i>Theranostics</i> , <b>2020</b> , 10, 8541-8557	12.1	14

64	H S-Scavenged and Activated Iron Oxide-Hydroxide Nanospindles for MRI-Guided Photothermal Therapy and Ferroptosis in Colon Cancer. <i>Small</i> , <b>2020</b> , 16, e2001356	11	25
63	Biomineralized Biohybrid Algae for Tumor Hypoxia Modulation and Cascade Radio-Photodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 44541-44553	9.5	11
62	Gram-scale synthesis of highly biocompatible and intravenous injectable hafnium oxide nanocrystal with enhanced radiotherapy efficacy for cancer theranostic. <i>Biomaterials</i> , <b>2020</b> , 226, 119538	15.6	26
61	Biodegradable Microalgae-Based Carriers for Targeted Delivery and Imaging-Guided Therapy toward Lung Metastasis of Breast Cancer. <i>Small</i> , <b>2020</b> , 16, e2000819	11	18
60	Bioinspired Brochosomes as Broadband and Omnidirectional Surface-Enhanced Raman Scattering Substrates. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 6484-6491	6.4	22
59	A size-tunable and multi-responsive nanoplatform for deep tumor penetration and targeted combinatorial radio-/chemotherapy. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 4484-4498	7.3	12
58	Designing pH-triggered drug release iron oxide nanocomposites for MRI-guided photothermal-chemoembolization therapy of liver orthotopic cancer. <i>Biomaterials Science</i> , <b>2019</b> , 7, 1842-1851	7.4	11
57	Mesoporous silica-coated gold nanostars with drug payload for combined chemo-photothermal cancer therapy. <i>Journal of Drug Targeting</i> , <b>2019</b> , 27, 201-210	5.4	19
56	Laser-triggered aggregated cubic FeO@Au nanocomposites for magnetic resonance imaging and photothermal/enhanced radiation synergistic therapy. <i>Biomaterials</i> , <b>2019</b> , 219, 119369	15.6	35
55	Effect of the mercaptan alkyl chain structure on the structure and electrochemical properties of Au-doped mesoporous carbon materials. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 14281-14290	2.1	1
54	Local application of doxorubicin- loaded Iron oxid nanoparticles and the vascular disrupting agent via the hepatic artery: chemoembolization-photothermal ablation treatment of hepatocellular carcinoma in rats. <i>Cancer Imaging</i> , <b>2019</b> , 19, 71	5.6	8
53	Laser-Activatable CuS Nanodots to Treat Multidrug-Resistant Bacteria and Release Copper Ion to Accelerate Healing of Infected Chronic Nonhealing Wounds. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 3809-3822	9.5	86
52	Tau-Targeted Multifunctional Nanocomposite for Combinational Therapy of Alzheimer's Disease. <i>ACS Nano</i> , <b>2018</b> , 12, 1321-1338	16.7	132
51	Large surface area porous carbon materials synthesized by direct carbonization of banana peel and citrate salts for use as high-performance supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 4294-4300	2.1	19
50	Light-Activatable Assembled Nanoparticles to Improve Tumor Penetration and Eradicate Metastasis in Triple Negative Breast Cancer. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1801738	15.6	23
49	Near-Infrared Laser-Excited Nanoparticles To Eradicate Multidrug-Resistant Bacteria and Promote Wound Healing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 193-206	9.5	67
48	High-Efficient Clearable Nanoparticles for Multi-Modal Imaging and Image-Guided Cancer Therapy. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1704634	15.6	64
47	Integrin $\alpha_3\beta_1$ -Targeted [Cu]CuS Nanoparticles for PET/CT Imaging and Photothermal Ablation Therapy. <i>Bioconjugate Chemistry</i> , <b>2018</b> , 29, 4062-4071	6.3	20

46	Cisplatin-loaded hollow gold nanoparticles for laser-triggered release. <i>Cancer Nanotechnology</i> , <b>2018</b> , 9, 6	7.9	15
45	Simultaneous multimodal imaging and photothermal therapy via renal-clearable manganese-doped copper sulfide nanodots. <i>Applied Materials Today</i> , <b>2018</b> , 13, 285-297	6.6	29
44	Nanoparticles for Photoacoustic Imaging of Vasculature <b>2017</b> , 337-356		3
43	Factors affecting the in vitro micronucleus assay for evaluation of nanomaterials. <i>Mutagenesis</i> , <b>2017</b> , 32, 151-159	2.8	23
42	CuS-labeled nanoparticles: a new sentinel-lymph-node-mapping agent for PET-CT and photoacoustic tomography. <i>Contrast Media and Molecular Imaging</i> , <b>2016</b> , 11, 475-481	3.2	9
41	Hepatocellular Carcinoma: Intra-arterial Delivery of Doxorubicin-loaded Hollow Gold Nanospheres for Photothermal Ablation-Chemoembolization Therapy in Rats. <i>Radiology</i> , <b>2016</b> , 281, 427-435	20.5	24
40	Precision Nanomedicine Using Dual PET and MR Temperature Imaging-Guided Photothermal Therapy. <i>Journal of Nuclear Medicine</i> , <b>2016</b> , 57, 1778-1783	8.9	16
39	Synthetic nanoparticles for delivery of radioisotopes and radiosensitizers in cancer therapy. <i>Cancer Nanotechnology</i> , <b>2016</b> , 7, 9	7.9	32
38	Copper-Based Nanomaterials for Cancer Imaging and Therapy. <i>Bioconjugate Chemistry</i> , <b>2016</b> , 27, 1188-96	9.3	111
37	Imaging Intratumoral Nanoparticle Uptake After Combining Nanoembolization with Various Ablative Therapies in Hepatic VX2 Rabbit Tumors. <i>Journal of Biomedical Nanotechnology</i> , <b>2016</b> , 12, 296-307	4.7	19
36	CuS Nanodots with Ultrahigh Efficient Renal Clearance for Positron Emission Tomography Imaging and Image-Guided Photothermal Therapy. <i>ACS Nano</i> , <b>2015</b> , 9, 7085-96	16.7	253
35	Single agent nanoparticle for radiotherapy and radio-photothermal therapy in anaplastic thyroid cancer. <i>Biomaterials</i> , <b>2015</b> , 57, 41-9	15.6	91
34	Photoacoustic- and Magnetic Resonance-Guided Photothermal Therapy and Tumor Vasculature Visualization Using Theranostic Magnetic Gold Nanoshells. <i>Journal of Biomedical Nanotechnology</i> , <b>2015</b> , 11, 1442-50	4	17
33	Radio-photothermal therapy mediated by a single compartment nanoplatform depletes tumor initiating cells and reduces lung metastasis in the orthotopic 4T1 breast tumor model. <i>Nanoscale</i> , <b>2015</b> , 7, 19438-47	7.7	65
32	Theranostic CuS Nanoparticles Targeting Folate Receptors for PET Image-Guided Photothermal Therapy. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 8939-8948	7.3	49
31	Selective uptake and imaging of aptamer- and antibody-conjugated hollow nanospheres targeted to epidermal growth factor receptors overexpressed in head and neck cancer. <i>ACS Nano</i> , <b>2014</b> , 8, 4530-8	16.7	95
30	Theranostic probe for simultaneous in vivo photoacoustic imaging and confined photothermolysis by pulsed laser at 1064 nm in 4T1 breast cancer model. <i>Nanoscale</i> , <b>2014</b> , 6, 15228-35	7.7	54
29	Regulation of colorectal carcinoma stemness, growth, and metastasis by an miR-200c-Sox2-negative feedback loop mechanism. <i>Clinical Cancer Research</i> , <b>2014</b> , 20, 2631-42	12.9	82

28	Pharmacokinetics, clearance, and biosafety of polyethylene glycol-coated hollow gold nanospheres. <i>Particle and Fibre Toxicology</i> , <b>2014</b> , 11, 26	8.4	47
27	Dual-modality micro-positron emission tomography/computed tomography and near-infrared fluorescence imaging of EphB4 in orthotopic glioblastoma xenograft models. <i>Molecular Imaging and Biology</i> , <b>2014</b> , 16, 74-84	3.8	18
26	In vitro and in vivo mapping of drug release after laser ablation thermal therapy with doxorubicin-loaded hollow gold nanoshells using fluorescence and photoacoustic imaging. <i>Journal of Controlled Release</i> , <b>2013</b> , 172, 152-158	11.7	70
25	Annexin A5-functionalized Nanoparticle for Multimodal Imaging of Cell Death. <i>Molecular Imaging</i> , <b>2013</b> , 12, 7290.2012.00032	3.7	16
24	Annexin A5-functionalized nanoparticle for multimodal imaging of cell death. <i>Molecular Imaging</i> , <b>2013</b> , 12, 182-90	3.7	7
23	Copper sulfide nanoparticles as a new class of photoacoustic contrast agent for deep tissue imaging at 1064 nm. <i>ACS Nano</i> , <b>2012</b> , 6, 7489-96	16.7	440
22	Cancer theranostics with near-infrared light-activatable multimodal nanoparticles. <i>Accounts of Chemical Research</i> , <b>2011</b> , 44, 947-56	24.3	427
21	Targeted multifunctional gold-based nanoshells for magnetic resonance-guided laser ablation of head and neck cancer. <i>Biomaterials</i> , <b>2011</b> , 32, 7600-8	15.6	105
20	Peptide-conjugated polymeric micellar nanoparticles for Dual SPECT and optical imaging of EphB4 receptors in prostate cancer xenografts. <i>Biomaterials</i> , <b>2011</b> , 32, 5872-9	15.6	64
19	Small-animal PET of tumor damage induced by photothermal ablation with <sup>64</sup> Cu-bis-DOTA-hypericin. <i>Journal of Nuclear Medicine</i> , <b>2011</b> , 52, 792-9	8.9	42
18	Annexin A5-conjugated polymeric micelles for dual SPECT and optical detection of apoptosis. <i>Journal of Nuclear Medicine</i> , <b>2011</b> , 52, 958-64	8.9	59
17	Self-assembled zinc/copper hydroxide carbonates with tunable hierarchical nanostructure. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 7037-41	1.3	1
16	A chelator-free multifunctional [ <sup>64</sup> Cu]CuS nanoparticle platform for simultaneous micro-PET/CT imaging and photothermal ablation therapy. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 15351-8	16.4	604
15	Carbonate-Assisted Hydrothermal Synthesis of Nanoporous CuO Microstructures and Their Application in Catalysis. <i>European Journal of Inorganic Chemistry</i> , <b>2010</b> , 2010, 729-734	2.3	35
14	Ethylenediamine-anchored gold nanoparticles on multi-walled carbon nanotubes: Synthesis and characterization. <i>Electrochemistry Communications</i> , <b>2010</b> , 12, 939-943	5.1	13
13	Photoacoustic imaging of living mouse brain vasculature using hollow gold nanospheres. <i>Biomaterials</i> , <b>2010</b> , 31, 2617-26	15.6	251
12	Self-assembled monolayers of stearic imidazoline on copper electrodes detected using electrochemical measurements, XPS, molecular simulation and FTIR. <i>Science Bulletin</i> , <b>2009</b> , 54, 374-381	10.6	5
11	Minute synthesis of extremely stable gold nanoparticles. <i>Nanotechnology</i> , <b>2009</b> , 20, 505606	3.4	83

10	Electrocatalytic activity of spots of electrodeposited noble-metal catalysts on carbon nanotubes modified glassy carbon. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 7597-603	7.8	37
9	Electrorheological properties of organically modified nanolayered laponite: influence of intercalation, adsorption and wettability. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 1816		94
8	Controlled synthesis of gold nanostructures by a thermal approach. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2008</b> , 8, 3465-72	1.3	9
7	Synthesis of Single-Crystal Gold Nano- and Microprisms Using a Solvent-Reductant-Template Ionic Liquid. <i>European Journal of Inorganic Chemistry</i> , <b>2008</b> , 2008, 3769-3775	2.3	48
6	Ordered 2D Assembly of Au Nanoparticles in Hydrosol Induced by Electrophoresis. <i>Electrochemical and Solid-State Letters</i> , <b>2007</b> , 10, K43		3
5	Controlled Fabrication of Decahedral Gold Nanostructures by a Thermal Approach. <i>Chemistry Letters</i> , <b>2007</b> , 36, 652-653	1.7	2
4	Synthesis of icosahedral gold nanocrystals: a thermal process strategy. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 4510-3	3.4	79
3	Preparation of Branched Gold Nanocrystals by an Electrochemical Method. <i>Chemistry Letters</i> , <b>2006</b> , 35, 332-333	1.7	10
2	Inhibition effect of self-assembled films formed by gold nanoparticles on iron surface. <i>Applied Surface Science</i> , <b>2006</b> , 252, 4327-4334	6.7	11
1	Preparation of Gold Nanoplates by an Electrochemical Method. <i>Chemistry Letters</i> , <b>2005</b> , 34, 1670-1671	1.7	16