

# Hairong Zheng

## 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.

91  
papers

6,055  
citations

39  
h-index

77  
g-index

100  
ext. papers

7,131  
ext. citations

10.6  
avg, IF

5.82  
L-index

#	Paper	IF	Citations
91	Single-step assembly of DOX/ICG loaded lipid-polymer nanoparticles for highly effective chemo-photothermal combination therapy. <i>ACS Nano</i> , <b>2013</b> , 7, 2056-67	16.7	642
90	Smart human serum albumin-indocyanine green nanoparticles generated by programmed assembly for dual-modal imaging-guided cancer synergistic phototherapy. <i>ACS Nano</i> , <b>2014</b> , 8, 12310-22	16.7	527
89	Facile synthesis of fluorescent carbon dots using watermelon peel as a carbon source. <i>Materials Letters</i> , <b>2012</b> , 66, 222-224	3.3	343
88	Protein-assisted fabrication of nano-reduced graphene oxide for combined in vivo photoacoustic imaging and photothermal therapy. <i>Biomaterials</i> , <b>2013</b> , 34, 5236-43	15.6	250
87	Bright Aggregation-Induced-Emission Dots for Targeted Synergetic NIR-II Fluorescence and NIR-I Photoacoustic Imaging of Orthotopic Brain Tumors. <i>Advanced Materials</i> , <b>2018</b> , 30, e1800766	24	246
86	Through Scalp and Skull NIR-II Photothermal Therapy of Deep Orthotopic Brain Tumors with Precise Photoacoustic Imaging Guidance. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802591	24	235
85	Indocyanine green-loaded biodegradable tumor targeting nanoprobes for in vitro and in vivo imaging. <i>Biomaterials</i> , <b>2012</b> , 33, 5603-9	15.6	214
84	Highly selective fluorescent sensors for Hg(2+) based on bovine serum albumin-capped gold nanoclusters. <i>Analyst, The</i> , <b>2010</b> , 135, 1411-6	5	181
83	Indocyanine Green Nanoparticles for Theranostic Applications. <i>Nano-Micro Letters</i> , <b>2013</b> , 5, 145-150	19.5	165
82	Improving drug accumulation and photothermal efficacy in tumor depending on size of ICG loaded lipid-polymer nanoparticles. <i>Biomaterials</i> , <b>2014</b> , 35, 6037-46	15.6	156
81	Indocyanine Green-Loaded Polydopamine-Reduced Graphene Oxide Nanocomposites with Amplifying Photoacoustic and Photothermal Effects for Cancer Theranostics. <i>Theranostics</i> , <b>2016</b> , 6, 1043-52	12.1	146
80	Molecular Engineering of Conjugated Polymers for Biocompatible Organic Nanoparticles with Highly Efficient Photoacoustic and Photothermal Performance in Cancer Theranostics. <i>ACS Nano</i> , <b>2017</b> , 11, 10124-10134	16.7	140
79	Click-functionalized compact quantum dots protected by multidentate-imidazole ligands: conjugation-ready nanotags for living-virus labeling and imaging. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 8388-91	16.4	114
78	Single-Layer MoS <sub>2</sub> Nanosheets with Amplified Photoacoustic Effect for Highly Sensitive Photoacoustic Imaging of Orthotopic Brain Tumors. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 8715-8725	15.6	110
77	Precise Deciphering of Brain Vasculatures and Microscopic Tumors with Dual NIR-II Fluorescence and Photoacoustic Imaging. <i>Advanced Materials</i> , <b>2019</b> , 31, e1902504	24	107
76	MR imaging tracking of inflammation-activatable engineered neutrophils for targeted therapy of surgically treated glioma. <i>Nature Communications</i> , <b>2018</b> , 9, 4777	17.4	107
75	Activatable albumin-photosensitizer nanoassemblies for triple-modal imaging and thermal-modulated photodynamic therapy of cancer. <i>Biomaterials</i> , <b>2016</b> , 93, 10-19	15.6	106

74	Biocompatible conjugated polymer nanoparticles for highly efficient photoacoustic imaging of orthotopic brain tumors in the second near-infrared window. <i>Materials Horizons</i> , <b>2017</b> , 4, 1151-1156	14.4	98
73	Indocyanine green-loaded polydopamine-iron ions coordination nanoparticles for photoacoustic/magnetic resonance dual-modal imaging-guided cancer photothermal therapy. <i>Nanoscale</i> , <b>2016</b> , 8, 17150-17158	7.7	94
72	Phototheranostics: Active Targeting of Orthotopic Glioma Using Biomimetic Proteolipid Nanoparticles. <i>ACS Nano</i> , <b>2019</b> , 13, 386-398	16.7	92
71	Folate receptor-targeting gold nanoclusters as fluorescence enzyme mimetic nanoprobe for tumor molecular colocalization diagnosis. <i>Theranostics</i> , <b>2014</b> , 4, 142-53	12.1	87
70	A fast and sensitive immunoassay of avian influenza virus based on label-free quantum dot probe and lateral flow test strip. <i>Talanta</i> , <b>2012</b> , 100, 1-6	6.2	81
69	Electrogenerated chemiluminescence from thiol-capped CdTe quantum dots and its sensing application in aqueous solution. <i>Analytica Chimica Acta</i> , <b>2007</b> , 596, 73-8	6.6	74
68	Indocyanine Green-holo-Transferrin Nanoassemblies for Tumor-Targeted Dual-Modal Imaging and Photothermal Therapy of Glioma. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 39249-39258	9.5	62
67	In vivo photoacoustic molecular imaging of breast carcinoma with folate receptor-targeted indocyanine green nanoprobe. <i>Nanoscale</i> , <b>2014</b> , 6, 14270-9	7.7	60
66	Second near-infrared photodynamic therapy and chemotherapy of orthotopic malignant glioblastoma with ultra-small CuSe nanoparticles. <i>Nanoscale</i> , <b>2019</b> , 11, 7600-7608	7.7	58
65	Photosensitizer-conjugated redox-responsive dextran theranostic nanoparticles for near-infrared cancer imaging and photodynamic therapy. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 874-881	4.9	58
64	Magneto-Plasmonic Nanocapsules for Multimodal-Imaging and Magnetically Guided Combination Cancer Therapy. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 5896-5904	9.6	55
63	Activatable Small-Molecule Photoacoustic Probes that Cross the Blood-Brain Barrier for Visualization of Copper(II) in Mice with Alzheimer's Disease. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 12415-12419	16.4	53
62	A novel strategy for selective detection of Ag <sup>+</sup> based on the red-shift of emission wavelength of quantum dots. <i>Mikrochimica Acta</i> , <b>2009</b> , 167, 281-287	5.8	51
61	Gold Nanoclusters-Indocyanine Green Nanoprobes for Synchronous Cancer Imaging, Treatment, and Real-Time Monitoring Based on Fluorescence Resonance Energy Transfer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 25114-25127	9.5	49
60	Indocyanine green-loaded gold nanostars for sensitive SERS imaging and subcellular monitoring of photothermal therapy. <i>Nanoscale</i> , <b>2017</b> , 9, 11888-11901	7.7	48
59	Focused Ultrasound-Augmented Delivery of Biodegradable Multifunctional Nanoplatforams for Imaging-Guided Brain Tumor Treatment. <i>Advanced Science</i> , <b>2018</b> , 5, 1700474	13.6	48
58	Enhanced drug delivery using sonoactivatable liposomes with membrane-embedded porphyrins. <i>Journal of Controlled Release</i> , <b>2018</b> , 286, 358-368	11.7	48
57	Electrogenerated chemiluminescence of blue emitting ZnSe quantum dots and its biosensing for hydrogen peroxide. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 25, 1843-6	11.8	48

56	Highly Stable Conjugated Polymer Dots as Multifunctional Agents for Photoacoustic Imaging-Guided Photothermal Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 7012-7021	9.5	46
55	Lipid-Polymer Bilaminar Oxygen Nanobubbles for Enhanced Photodynamic Therapy of Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 36805-36813	9.5	45
54	PEI protected aptamer molecular probes for contrast-enhanced in vivo cancer imaging. <i>Biomaterials</i> , <b>2012</b> , 33, 7810-7	15.6	42
53	A catalase-loaded hierarchical zeolite as an implantable nanocapsule for ultrasound-guided oxygen self-sufficient photodynamic therapy against pancreatic cancer. <i>Nanoscale</i> , <b>2018</b> , 10, 17283-17292	7.7	41
52	Smart Hydrogel-Based DVDMS/bFGF Nanohybrids for Antibacterial Phototherapy with Multiple Damaging Sites and Accelerated Wound Healing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 10156-10169	9.5	39
51	Activatable NIR-II photoacoustic imaging and photochemical synergistic therapy of MRSA infections using miniature Au/Ag nanorods. <i>Biomaterials</i> , <b>2020</b> , 251, 120092	15.6	37
50	Protein-Modified CuS Nanotriangles: A Potential Multimodal NanoplatforM for In Vivo Tumor Photoacoustic/Magnetic Resonance Dual-Modal Imaging. <i>Advanced Healthcare Materials</i> , <b>2017</b> , 6, 1601094	10.1	36
49	Highly Sensitive MoS-Indocyanine Green Hybrid for Photoacoustic Imaging of Orthotopic Brain Glioma at Deep Site. <i>Nano-Micro Letters</i> , <b>2018</b> , 10, 48	19.5	35
48	Hybrid MoSe-indocyanine green nanosheets as a highly efficient phototheranostic agent for photoacoustic imaging guided photothermal cancer therapy. <i>Biomaterials Science</i> , <b>2018</b> , 6, 1503-1516	7.4	32
47	Oxygen Nanocarrier for Combined Cancer Therapy: Oxygen-Boosted ATP-Responsive Chemotherapy with Amplified ROS Lethality. <i>Advanced Healthcare Materials</i> , <b>2016</b> , 5, 2161-7	10.1	32
46	Redox-responsive dextran based theranostic nanoparticles for near-infrared/magnetic resonance imaging and magnetically targeted photodynamic therapy. <i>Biomaterials Science</i> , <b>2017</b> , 5, 762-771	7.4	31
45	Compact chelator-free Ni-integrated CuS nanoparticles with tunable near-infrared absorption and enhanced relaxivity for in vivo dual-modal photoacoustic/MR imaging. <i>Nanoscale</i> , <b>2015</b> , 7, 17631-6	7.7	30
44	Self-assembled AIEgen nanoparticles for multiscale NIR-II vascular imaging. <i>Biomaterials</i> , <b>2021</b> , 264, 120365	15.6	29
43	Sensitivity to antitubulin chemotherapeutics is potentiated by a photoactivable nanoliposome. <i>Biomaterials</i> , <b>2017</b> , 141, 50-62	15.6	28
42	An ultrasensitive method for the detection of gene fragment from transgenics using label-free gold nanoparticle probe and dynamic light scattering. <i>Analytica Chimica Acta</i> , <b>2011</b> , 696, 1-5	6.6	28
41	Bright Aggregation-Induced Emission Nanoparticles for Two-Photon Imaging and Localized Compound Therapy of Cancers. <i>ACS Nano</i> , <b>2020</b> ,	16.7	28
40	Molecular Engineering of Near-Infrared Light-Responsive BODIPY-Based Nanoparticles with Enhanced Photothermal and Photoacoustic Efficiencies for Cancer Theranostics. <i>Theranostics</i> , <b>2019</b> , 9, 5315-5331	12.1	27
39	UltrasMall theranostic nanozymes to modulate tumor hypoxia for augmenting photodynamic therapy and radiotherapy. <i>Biomaterials Science</i> , <b>2020</b> , 8, 973-987	7.4	27

38	Novel small molecular dye-loaded lipid nanoparticles with efficient near-infrared-II absorption for photoacoustic imaging and photothermal therapy of hepatocellular carcinoma. <i>Biomaterials Science</i> , <b>2019</b> , 7, 3165-3177	7.4	26
37	Highly penetrative liposome nanomedicine generated by a biomimetic strategy for enhanced cancer chemotherapy. <i>Biomaterials Science</i> , <b>2018</b> , 6, 1546-1555	7.4	26
36	Highly Bright and Compact Alloyed Quantum Rods with Near Infrared Emitting: a Potential Multifunctional Nanoplatfrom for Multimodal Imaging In Vivo. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 3897-3905	15.6	26
35	Nanostructural Control Enables Optimized Photoacoustic/Fluorescence/Magnetic Resonance Multimodal Imaging and Photothermal Therapy of Brain Tumor. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1907077	15.6	26
34	Ultrasmall hybrid protein-copper sulfide nanoparticles for targeted photoacoustic imaging of orthotopic hepatocellular carcinoma with a high signal-to-noise ratio. <i>Biomaterials Science</i> , <b>2018</b> , 7, 92-103	7.4	24
33	Recent Advances in Conjugated Polymer Nanoparticles for NIR-II Imaging and Therapy. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 4241-4257	4.3	22
32	assessment of inflammation in carotid atherosclerosis by noninvasive photoacoustic imaging. <i>Theranostics</i> , <b>2020</b> , 10, 4694-4704	12.1	21
31	Theranostic nanosensitizers for highly efficient MR/fluorescence imaging-guided sonodynamic therapy of gliomas. <i>Journal of Cellular and Molecular Medicine</i> , <b>2018</b> , 22, 5394-5405	5.6	21
30	Förster Resonance Energy Transfer-Based Dual-Modal Theranostic Nanoprobe for Visualization of Cancer Photothermal Therapy. <i>Theranostics</i> , <b>2018</b> , 8, 410-422	12.1	20
29	Centimeter-Deep NIR-II Fluorescence Imaging with Nontoxic AIE Probes in Nonhuman Primates. <i>Research</i> , <b>2020</b> , 2020, 4074593	7.8	19
28	Imaging-guided focused ultrasound-induced thermal and sonodynamic effects of nanosensitizers for synergistic enhancement of glioblastoma therapy. <i>Biomaterials Science</i> , <b>2019</b> , 7, 3007-3015	7.4	18
27	Biomimetic Nanocomposites Cloaked with Bioorthogonally Labeled Glioblastoma Cell Membrane for Targeted Multimodal Imaging of Brain Tumors. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2004346	15.6	18
26	Ultrasound-Induced Blood-Brain-Barrier Opening Enhances Anticancer Efficacy in the Treatment of Glioblastoma: Current Status and Future Prospects. <i>Journal of Oncology</i> , <b>2019</b> , 2019, 2345203	4.5	16
25	ZEB1 knockdown mediated using polypeptide cationic micelles inhibits metastasis and effects sensitization to a chemotherapeutic drug for cancer therapy. <i>Nanoscale</i> , <b>2014</b> , 6, 10084-94	7.7	16
24	Recent advances in functional nanomaterials for photoacoustic imaging of glioma. <i>Nanoscale Horizons</i> , <b>2019</b> , 4, 1037-1045	10.8	14
23	Iron oxide nanoparticles protected by NIR-active multidentate-polymers as multifunctional nanoprobes for NIRF/PA/MR trimodal imaging. <i>Nanoscale</i> , <b>2016</b> , 8, 775-9	7.7	14
22	Ultrasensitive detection of porcine circovirus type 2 using gold(III) enhanced chemiluminescence immunoassay. <i>Analyst, The</i> , <b>2010</b> , 135, 1680-5	5	14
21	A novel method for the analysis of calf thymus DNA based on CdTe quantum dots-Ru(bpy) 2+3 photoinduced electron transfer system. <i>Mikrochimica Acta</i> , <b>2010</b> , 168, 341-345	5.8	14

20	Polypeptide micelles with dual pH activatable dyes for sensing cells and cancer imaging. <i>Nanoscale</i> , <b>2014</b> , 6, 5416-24	7.7	13
19	Photoacoustic Imaging: Bright Aggregation-Induced-Emission Dots for Targeted Synergetic NIR-II Fluorescence and NIR-I Photoacoustic Imaging of Orthotopic Brain Tumors (Adv. Mater. 29/2018). <i>Advanced Materials</i> , <b>2018</b> , 30, 1870214	24	11
18	Protein-modified conjugated polymer nanoparticles with strong near-infrared absorption: a novel nanoplatform to design multifunctional nanoprob es for dual-modal photoacoustic and fluorescence imaging. <i>Nanoscale</i> , <b>2018</b> , 10, 19742-19748	7.7	11
17	Interactions between water-soluble CdSe quantum dots and gold nanoparticles studied by UV-visible absorption spectroscopy. <i>Analytical Sciences</i> , <b>2007</b> , 23, 651-4	1.7	10
16	Highly Sensitive Fluorescence and Photoacoustic Detection of Metastatic Breast Cancer in Mice Using Dual-Modal Nanoprob es. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 26064-26074	9.5	9
15	Active-Targeting NIR-II Phototheranostics in Multiple Tumor Models Using Platelet-Camouflaged Nanoprob es. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 55624-55637	9.5	8
14	Metabolizable Near-Infrared-II Nanoprob es for Dynamic Imaging of Deep-Seated Tumor-Associated Macrophages in Pancreatic Cancer. <i>ACS Nano</i> , <b>2021</b> , 15, 10010-10024	16.7	8
13	Intravital confocal fluorescence lifetime imaging microscopy in the second near-infrared window. <i>Optics Letters</i> , <b>2020</b> , 45, 3305-3308	3	7
12	Evaluation of Brain Tumor in Small Animals Using Plane Wave-Based Power Doppler Imaging. <i>Ultrasound in Medicine and Biology</i> , <b>2019</b> , 45, 811-822	3.5	7
11	Tiny 2D silicon quantum sheets: a brain photonic nanoagent for orthotopic glioma theranostics. <i>Science Bulletin</i> , <b>2021</b> , 66, 147-157	10.6	6
10	Ultrasmall paramagnetic near infrared quantum dots as dual modal nanoprob es. <i>RSC Advances</i> , <b>2013</b> , 3, 21247	3.7	5
9	intravascular photoacoustic imaging at a high speed of 100 frames per second. <i>Biomedical Optics Express</i> , <b>2020</b> , 11, 6721-6731	3.5	5
8	High-Specificity In Vivo Tumor Imaging Using Bioorthogonal NIR-IIb Nanoparticles. <i>Advanced Materials</i> , <b>2021</b> , e2102950	24	5
7	Targeted Photoacoustic Imaging of Brain Tumor Mediated by Neutrophils Engineered with Lipid-Based Molecular Probe <b>2021</b> , 3, 1284-1290		5
6	Intravital NIR-II three-dimensional photoacoustic imaging of biomineralized copper sulfide nanoprob es. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 3005-3014	7.3	5
5	Targeted NIR-II emissive nanoprob es for tumor detection in mice and rabbits. <i>Chemical Communications</i> , <b>2021</b> , 57, 6420-6423	5.8	5
4	Activatable Small-Molecule Photoacoustic Probes that Cross the BloodBrain Barrier for Visualization of Copper(II) in Mice with Alzheimer's Disease. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 12545-12549	2.6	3
3	A zeolite-based ship-in-a-bottle route to ultrasmall carbon dots for live cell labeling and bioimaging. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 5803-5809	5.1	2

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|---|---|-----|---|
| 2 | Cell-Membrane Biomimetic Indocyanine Green Liposomes for Phototheranostics of Echinococcosis. <i>Biosensors</i> , <b>2022</b> , 12, 311 | 5.9 | 1 |
| 1 | Advances of Patient-Derived Organoids in Personalized Radiotherapy.. <i>Frontiers in Oncology</i> , <b>2022</b> , 12, 888416            | 5.3 |   |