

# Hairong Zheng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7318860/publications.pdf>

Version: 2024-02-01

92  
papers

8,116  
citations

50170

46  
h-index

46693

89  
g-index

100  
all docs

100  
docs citations

100  
times ranked

10101  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Step Assembly of DOX/ICG Loaded Lipid-Polymer Nanoparticles for Highly Effective Chemo-photothermal Combination Therapy. <i>ACS Nano</i> , 2013, 7, 2056-2067.	7.3	738
2	Smart Human Serum Albumin-Indocyanine Green Nanoparticles Generated by Programmed Assembly for Dual-Modal Imaging-Guided Cancer Synergistic Phototherapy. <i>ACS Nano</i> , 2014, 8, 12310-12322.	7.3	632
3	Facile synthesis of fluorescent carbon dots using watermelon peel as a carbon source. <i>Materials Letters</i> , 2012, 66, 222-224.	1.3	471
4	Bright Aggregation-Induced Emission Dots for Targeted Synergetic NIR Fluorescence and NIR Photoacoustic Imaging of Orthotopic Brain Tumors. <i>Advanced Materials</i> , 2018, 30, e1800766.	11.1	330
5	Through Scalp and Skull NIR Photothermal Therapy of Deep Orthotopic Brain Tumors with Precise Photoacoustic Imaging Guidance. <i>Advanced Materials</i> , 2018, 30, e1802591.	11.1	330
6	Protein-assisted fabrication of nano-reduced graphene oxide for combined in vivo photoacoustic imaging and photothermal therapy. <i>Biomaterials</i> , 2013, 34, 5236-5243.	5.7	276
7	Indocyanine green-loaded biodegradable tumor targeting nanoprobes for in vitro and in vivo imaging. <i>Biomaterials</i> , 2012, 33, 5603-5609.	5.7	252
8	Indocyanine Green Nanoparticles for Theranostic Applications. <i>Nano-Micro Letters</i> , 2013, 5, 145-150.	14.4	204
9	Highly selective fluorescent sensors for Hg <sup>2+</sup> based on bovine serum albumin-capped gold nanoclusters. <i>Analyst</i> , The, 2010, 135, 1411.	1.7	188
10	Molecular Engineering of Conjugated Polymers for Biocompatible Organic Nanoparticles with Highly Efficient Photoacoustic and Photothermal Performance in Cancer Theranostics. <i>ACS Nano</i> , 2017, 11, 10124-10134.	7.3	182
11	Precise Deciphering of Brain Vasculatures and Microscopic Tumors with Dual NIR Fluorescence and Photoacoustic Imaging. <i>Advanced Materials</i> , 2019, 31, e1902504.	11.1	181
12	Improving drug accumulation and photothermal efficacy in tumor depending on size of ICG loaded lipid-polymer nanoparticles. <i>Biomaterials</i> , 2014, 35, 6037-6046.	5.7	180
13	Indocyanine Green-Loaded Polydopamine-Reduced Graphene Oxide Nanocomposites with Amplifying Photoacoustic and Photothermal Effects for Cancer Theranostics. <i>Theranostics</i> , 2016, 6, 1043-1052.	4.6	174
14	MR imaging tracking of inflammation-activatable engineered neutrophils for targeted therapy of surgically treated glioma. <i>Nature Communications</i> , 2018, 9, 4777.	5.8	173
15	Phototheranostics: Active Targeting of Orthotopic Glioma Using Biomimetic Proteolipid Nanoparticles. <i>ACS Nano</i> , 2019, 13, 386-398.	7.3	157
16	Activatable albumin-photosensitizer nanoassemblies for triple-modal imaging and thermal-modulated photodynamic therapy of cancer. <i>Biomaterials</i> , 2016, 93, 10-19.	5.7	140
17	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> , 2016, 26, 8715-8725.	7.8	136
18	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> , 2012, 134, 8388-8391.	6.6	133

#	ARTICLE	IF	CITATIONS
19	Biocompatible conjugated polymer nanoparticles for highly efficient photoacoustic imaging of orthotopic brain tumors in the second near-infrared window. <i>Materials Horizons</i> , 2017, 4, 1151-1156.	6.4	129
20	Indocyanine green-loaded polydopamine-iron ions coordination nanoparticles for photoacoustic/magnetic resonance dual-modal imaging-guided cancer photothermal therapy. <i>Nanoscale</i> , 2016, 8, 17150-17158.	2.8	125
21	Folate Receptor-Targeting Gold Nanoclusters as Fluorescence Enzyme Mimetic Nanoprobes for Tumor Molecular Colocalization Diagnosis. <i>Theranostics</i> , 2014, 4, 142-153.	4.6	104
22	A fast and sensitive immunoassay of avian influenza virus based on label-free quantum dot probe and lateral flow test strip. <i>Talanta</i> , 2012, 100, 1-6.	2.9	101
23	Second near-infrared photodynamic therapy and chemotherapy of orthotopic malignant glioblastoma with ultra-small Cu <sub>2</sub> Se nanoparticles. <i>Nanoscale</i> , 2019, 11, 7600-7608.	2.8	100
24	Smart Hydrogel-Based DVDMS/bFGF Nanohybrids for Antibacterial Phototherapy with Multiple Damaging Sites and Accelerated Wound Healing. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 10156-10169.	4.0	84
25	Electrogenerated chemiluminescence from thiol-capped CdTe quantum dots and its sensing application in aqueous solution. <i>Analytica Chimica Acta</i> , 2007, 596, 73-78.	2.6	81
26	Indocyanine Green-holo-Transferrin Nanoassemblies for Tumor-Targeted Dual-Modal Imaging and Photothermal Therapy of Glioma. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 39249-39258.	4.0	80
27	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> , 2019, 58, 12415-12419.	7.2	80
28	Bright Aggregation-Induced Emission Nanoparticles for Two-Photon Imaging and Localized Compound Therapy of Cancers. <i>ACS Nano</i> , 2020, 14, 16840-16853.	7.3	72
29	Activatable NIR-II photoacoustic imaging and photochemical synergistic therapy of MRSA infections using miniature Au/Ag nanorods. <i>Biomaterials</i> , 2020, 251, 120092.	5.7	72
30	Focused Ultrasound-Augmented Delivery of Biodegradable Multifunctional Nanoplatfoms for Imaging-Guided Brain Tumor Treatment. <i>Advanced Science</i> , 2018, 5, 1700474.	5.6	71
31	Enhanced drug delivery using sonoactivatable liposomes with membrane-embedded porphyrins. <i>Journal of Controlled Release</i> , 2018, 286, 358-368.	4.8	71
32	In vivo photoacoustic molecular imaging of breast carcinoma with folate receptor-targeted indocyanine green nanoprobes. <i>Nanoscale</i> , 2014, 6, 14270-14279.	2.8	67
33	Magneto-Plasmonic Nanocapsules for Multimodal-Imaging and Magnetically Guided Combination Cancer Therapy. <i>Chemistry of Materials</i> , 2016, 28, 5896-5904.	3.2	66
34	Lipid-Polymer Bilaminar Oxygen Nanobubbles for Enhanced Photodynamic Therapy of Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 36805-36813.	4.0	65
35	Photosensitizer-conjugated redox-responsive dextran theranostic nanoparticles for near-infrared cancer imaging and photodynamic therapy. <i>Polymer Chemistry</i> , 2014, 5, 874-881.	1.9	63
36	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> , 2017, 9, 25114-25127.	4.0	63

#	ARTICLE	IF	CITATIONS
37	Indocyanine green-loaded gold nanostars for sensitive SERS imaging and subcellular monitoring of photothermal therapy. <i>Nanoscale</i> , 2017, 9, 11888-11901.	2.8	61
38	Highly Stable Conjugated Polymer Dots as Multifunctional Agents for Photoacoustic Imaging-Guided Photothermal Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 7012-7021.	4.0	60
39	Molecular Engineering of Near-Infrared Light-Responsive BODIPY-Based Nanoparticles with Enhanced Photothermal and Photoacoustic Efficiencies for Cancer Theranostics. <i>Theranostics</i> , 2019, 9, 5315-5331.	4.6	54
40	Ultrasmall theranostic nanozymes to modulate tumor hypoxia for augmenting photodynamic therapy and radiotherapy. <i>Biomaterials Science</i> , 2020, 8, 973-987.	2.6	54
41	Self-assembled AIEgen nanoparticles for multiscale NIR-II vascular imaging. <i>Biomaterials</i> , 2021, 264, 120365.	5.7	54
42	Electrogenerated chemiluminescence of blue emitting ZnSe quantum dots and its biosensing for hydrogen peroxide. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1843-1846.	5.3	53
43	A catalase-loaded hierarchical zeolite as an implantable nanocapsule for ultrasound-guided oxygen self-sufficient photodynamic therapy against pancreatic cancer. <i>Nanoscale</i> , 2018, 10, 17283-17292.	2.8	52
44	Biomimetic Nanocomposites Cloaked with Bioorthogonally Labeled Glioblastoma Cell Membrane for Targeted Multimodal Imaging of Brain Tumors. <i>Advanced Functional Materials</i> , 2020, 30, 2004346.	7.8	52
45	<i>In vivo</i> assessment of inflammation in carotid atherosclerosis by noninvasive photoacoustic imaging. <i>Theranostics</i> , 2020, 10, 4694-4704.	4.6	52
46	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> , 2009, 167, 281-287.	2.5	51
47	Protein-Modified CuS Nanotriangles: A Potential Multimodal Nanoplatfrom for In Vivo Tumor Photoacoustic/Magnetic Resonance Dual-Modal Imaging. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601094.	3.9	50
48	PEI protected aptamer molecular probes for contrast-enhanced <i>in vivo</i> cancer imaging. <i>Biomaterials</i> , 2012, 33, 7810-7817.	5.7	47
49	Recent Advances in Conjugated Polymer Nanoparticles for NIR-II Imaging and Therapy. <i>ACS Applied Polymer Materials</i> , 2020, 2, 4241-4257.	2.0	47
50	Hybrid MoSe <sub>2</sub> -indocyanine green nanosheets as a highly efficient phototheranostic agent for photoacoustic imaging guided photothermal cancer therapy. <i>Biomaterials Science</i> , 2018, 6, 1503-1516.	2.6	46
51	High-Specificity In Vivo Tumor Imaging Using Bioorthogonal NIR-II Nanoparticles. <i>Advanced Materials</i> , 2021, 33, e2102950.	11.1	46
52	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> , 2019, 7, 3165-3177.	2.6	44
53	Highly Sensitive MoS <sub>2</sub> -Indocyanine Green Hybrid for Photoacoustic Imaging of Orthotopic Brain Glioma at Deep Site. <i>Nano-Micro Letters</i> , 2018, 10, 48.	14.4	41
54	Nanostructural Control Enables Optimized Photoacoustic-Fluorescence-Magnetic Resonance Multimodal Imaging and Photothermal Therapy of Brain Tumor. <i>Advanced Functional Materials</i> , 2020, 30, 1907077.	7.8	41

#	ARTICLE	IF	CITATIONS
55	Redox-responsive dextran based theranostic nanoparticles for near-infrared/magnetic resonance imaging and magnetically targeted photodynamic therapy. <i>Biomaterials Science</i> , 2017, 5, 762-771.	2.6	40
56	Metabolizable Near-Infrared-II Nanoprobes for Dynamic Imaging of Deep-Seated Tumor-Associated Macrophages in Pancreatic Cancer. <i>ACS Nano</i> , 2021, 15, 10010-10024.	7.3	40
57	Active-Targeting NIR-II Phototheranostics in Multiple Tumor Models Using Platelet-Camouflaged Nanoprobes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 55624-55637.	4.0	39
58	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> , 2015, 7, 17631-17636.	2.8	37
59	Oxygen Nanocarrier for Combined Cancer Therapy: Oxygen-Boosted ATP-Responsive Chemotherapy with Amplified ROS Lethality. <i>Advanced Healthcare Materials</i> , 2016, 5, 2161-2167.	3.9	37
60	Sensitivity to antitubulin chemotherapeutics is potentiated by a photoactivable nanoliposome. <i>Biomaterials</i> , 2017, 141, 50-62.	5.7	37
61	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> , 2019, 7, 92-103.	2.6	36
62	Highly Bright and Compact Alloyed Quantum Rods with Near Infrared Emitting: a Potential Multifunctional Nanoplatforam for Multimodal Imaging In Vivo. <i>Advanced Functional Materials</i> , 2014, 24, 3897-3905.	7.8	34
63	Highly penetrative liposome nanomedicine generated by a biomimetic strategy for enhanced cancer chemotherapy. <i>Biomaterials Science</i> , 2018, 6, 1546-1555.	2.6	34
64	Theranostic nanosensitizers for highly efficient MR/fluorescence imaging-guided sonodynamic therapy of gliomas. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 5394-5405.	1.6	34
65	Centimeter-Deep NIR-II Fluorescence Imaging with Nontoxic AIE Probes in Nonhuman Primates. <i>Research</i> , 2020, 2020, 4074593.	2.8	33
66	Imaging-guided focused ultrasound-induced thermal and sonodynamic effects of nanosensitizers for synergistic enhancement of glioblastoma therapy. <i>Biomaterials Science</i> , 2019, 7, 3007-3015.	2.6	32
67	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> , 2011, 696, 1-5.	2.6	29
68	Förster Resonance Energy Transfer-Based Dual-Modal Theranostic Nanoprobe for In Situ Visualization of Cancer Photothermal Therapy. <i>Theranostics</i> , 2018, 8, 410-422.	4.6	26
69	Recent advances in functional nanomaterials for photoacoustic imaging of glioma. <i>Nanoscale Horizons</i> , 2019, 4, 1037-1045.	4.1	24
70	Ultrasound-Induced Blood-Brain-Barrier Opening Enhances Anticancer Efficacy in the Treatment of Glioblastoma: Current Status and Future Prospects. <i>Journal of Oncology</i> , 2019, 2019, 1-9.	0.6	23
71	Albumin-Consolidated AIEgens for Boosting Glioma and Cerebrovascular NIR-II Fluorescence Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2023, 15, 3-13.	4.0	23
72	ZEB1 knockdown mediated using polypeptide cationic micelles inhibits metastasis and effects sensitization to a chemotherapeutic drug for cancer therapy. <i>Nanoscale</i> , 2014, 6, 10084-10094.	2.8	19

#	ARTICLE	IF	CITATIONS
73	Iron oxide nanoparticles protected by NIR-active multidentate-polymers as multifunctional nanoprobcs for NIRF/PA/MR trimodal imaging. <i>Nanoscale</i> , 2016, 8, 775-779.	2.8	18
74	Highly Sensitive Fluorescence and Photoacoustic Detection of Metastatic Breast Cancer in Mice Using Dual-Modal Nanoprobcs. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 26064-26074.	4.0	18
75	Intravital confocal fluorescence lifetime imaging microscopy in the second near-infrared window. <i>Optics Letters</i> , 2020, 45, 3305.	1.7	18
76	Protein-modified conjugated polymer nanoparticles with strong near-infrared absorption: a novel nanoplatform to design multifunctional nanoprobcs for dual-modal photoacoustic and fluorescence imaging. <i>Nanoscale</i> , 2018, 10, 19742-19748.	2.8	17
77	Tiny 2D silicon quantum sheets: a brain photonic nanoagent for orthotopic glioma theranostics. <i>Science Bulletin</i> , 2021, 66, 147-157.	4.3	17
78	In vivo intravascular photoacoustic imaging at a high speed of 100 frames per second. <i>Biomedical Optics Express</i> , 2020, 11, 6721.	1.5	17
79	Ultrasensitive detection of porcine circovirus type 2 using gold(iii) enhanced chemiluminescence immunoassay. <i>Analyst</i> , The, 2010, 135, 1680.	1.7	16
80	Evaluation of Brain Tumor in Small Animals Using Plane Wave-Based Power Doppler Imaging. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 811-822.	0.7	16
81	A novel method for the analysis of calf thymus DNA based on CdTe quantum dots-Ru(bpy) 3 2+ photoinduced electron transfer system. <i>Mikrochimica Acta</i> , 2010, 168, 341-345.	2.5	15
82	Photoacoustic Imaging: Bright Aggregation-Induced-Emission Dots for Targeted Synergetic NIR-Fluorescence and NIR-Photoacoustic Imaging of Orthotopic Brain Tumors ( <i>Adv. Mater.</i> 29/2018). <i>Advanced Materials</i> , 2018, 30, 1870214.	11.1	15
83	Polypeptide micelles with dual pH activatable dyes for sensing cells and cancer imaging. <i>Nanoscale</i> , 2014, 6, 5416-5424.	2.8	14
84	Targeted NIR-II emissive nanoprobcs for tumor detection in mice and rabbits. <i>Chemical Communications</i> , 2021, 57, 6420-6423.	2.2	13
85	Interactions between Water-soluble CdSe Quantum Dots and Gold Nanoparticles Studied by UV-Visible Absorption Spectroscopy. <i>Analytical Sciences</i> , 2007, 23, 651-654.	0.8	12
86	Targeted Photoacoustic Imaging of Brain Tumor Mediated by Neutrophils Engineered with Lipid-Based Molecular Probe. , 2021, 3, 1284-1290.		11
87	Intravital NIR-II three-dimensional photoacoustic imaging of biomineralized copper sulfide nanoprobcs. <i>Journal of Materials Chemistry B</i> , 2021, 9, 3005-3014.	2.9	10
88	A zeolite-based ship-in-a-bottle route to ultrasmall carbon dots for live cell labeling and bioimaging. <i>Nanoscale Advances</i> , 2020, 2, 5803-5809.	2.2	7
89	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</i> , 2019, 131, 12545-12549.	1.6	6
90	Ultrasmall paramagnetic near infrared quantum dots as dual modal nanoprobcs. <i>RSC Advances</i> , 2013, 3, 21247.	1.7	5

#	ARTICLE	IF	CITATIONS
91	Cell-Membrane Biomimetic Indocyanine Green Liposomes for Phototheranostics of Echinococcosis. Biosensors, 2022, 12, 311.	2.3	5
92	Advances of Patient-Derived Organoids in Personalized Radiotherapy. Frontiers in Oncology, 2022, 12, 888416.	1.3	3