Zhenhua Hu

List of Publications by Year
in descending order

41 papers	1,799 citations	331259 21 h-index	288905 40 g-index
42 all docs	42 docs citations	42 times ranked	1508 citing authors

#	Article	IF	Citations
1	A phosphorescent probe for in vivo imaging in the second near-infrared window. Nature Biomedical Engineering, 2022, 6, 629-639.	11.6	67
2	Near-infrared fluorescence imaging-guided lymphatic mapping in thoracic esophageal cancer surgery. Surgical Endoscopy and Other Interventional Techniques, 2022, 36, 3994-4003.	1.3	12
3	Near-Infrared Window II Fluorescence Image-Guided Surgery of High-Grade Gliomas Prolongs the Progression-Free Survival of Patients. IEEE Transactions on Biomedical Engineering, 2022, 69, 1889-1900.	2.5	28
4	First Clinical Investigation of Near-Infrared Window IIa/IIb Fluorescence Imaging for Precise Surgical Resection of Gliomas. IEEE Transactions on Biomedical Engineering, 2022, 69, 2404-2413.	2.5	21
5	Deep learningâ€based AI model for signetâ€ring cell carcinoma diagnosis and chemotherapy response prediction in gastric cancer. Medical Physics, 2022, 49, 1535-1546.	1.6	17
6	Intraoperative fluorescence molecular imaging accelerates the coming of precision surgery in China. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 2531-2543.	3.3	16
7	Novel multifunctional NIR-II aggregation-induced emission nanoparticles-assisted intraoperative identification and elimination of residual tumor. Journal of Nanobiotechnology, 2022, 20, 143.	4.2	12
8	Optimization of ODAP-Urea-based dual-modality PSMA targeting probes for sequential PET-CT and optical imaging. Bioorganic and Medicinal Chemistry, 2022, 66, 116810.	1.4	1
9	Visualisation of pelvic autonomic nerves using NIR-II fluorescence imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 4752-4754.	3.3	2
10	PET/NIR-II fluorescence imaging and image-guided surgery of glioblastoma using a folate receptor Î±-targeted dual-modal nanoprobe. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 4325-4337.	3.3	14
11	A narrative review of near-infrared fluorescence imaging in hepatectomy for hepatocellular carcinoma. Annals of Translational Medicine, 2021, 9, 171-171.	0.7	19
12	Smart Selfâ€Assembly Amphiphilic Cyclopeptideâ€Dye for Nearâ€Infrared Windowâ€II Imaging. Advanced Materials, 2021, 33, e2006902.	11.1	50
13	Real-time intraoperative glioma diagnosis using fluorescence imaging and deep convolutional neural networks. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 3482-3492.	3.3	25
14	Amphiphilic Cyclopeptideâ€Dyes: Smart Selfâ€Assembly Amphiphilic Cyclopeptideâ€Dye for Nearâ€Infrared Windowâ€II Imaging (Adv. Mater. 16/2021). Advanced Materials, 2021, 33, 2170121.	11.1	0
15	Visualizing Tumors in Real Time: A Highly Sensitive PSMA Probe for NIR-II Imaging and Intraoperative Tumor Resection. Journal of Medicinal Chemistry, 2021, 64, 7735-7745.	2.9	16
16	Radiopharmaceutical and Eu3+ doped gadolinium oxide nanoparticles mediated triple-excited fluorescence imaging and image-guided surgery. Journal of Nanobiotechnology, 2021, 19, 212.	4.2	9
17	A deep learning-based radiomic nomogram for prognosis and treatment decision in advanced nasopharyngeal carcinoma: A multicentre study. EBioMedicine, 2021, 70, 103522.	2.7	48
18	Intraoperative nearâ€infrared II window fluorescence imagingâ€assisted nephronâ€sparing surgery for complete resection of cystic renal masses. Clinical and Translational Medicine, 2021, 11, e604.	1.7	13

#	Article	IF	Citations
19	Attention mechanism-based locally connected network for accurate and stable reconstruction in Cerenkov luminescence tomography. Biomedical Optics Express, 2021, 12, 7703.	1.5	8
20	First-in-human liver-tumour surgery guided by multispectral fluorescence imaging in the visible and near-infrared-I/II windows. Nature Biomedical Engineering, 2020, 4, 259-271.	11.6	622
21	A novel in vivo Cerenkov luminescence imageâ€guided surgery on primary and metastatic colorectal cancer. Journal of Biophotonics, 2020, 13, e201960152.	1.1	8
22	Classification of Severe and Critical Covid-19 Using Deep Learning and Radiomics. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 3585-3594.	3.9	56
23	Non-Negative Iterative Convex Refinement Approach for Accurate and Robust Reconstruction in Cerenkov Luminescence Tomography. IEEE Transactions on Medical Imaging, 2020, 39, 3207-3217.	5.4	26
24	NIRF Nanoprobes for Cancer Molecular Imaging: Approaching Clinic. Trends in Molecular Medicine, 2020, 26, 469-482.	3.5	63
25	A preliminary study of dual-band confocal laser endomicroscopy combined with image mosaic in the diagnosis of liver cancer. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 29, 102250.	1.7	4
26	NIR-II/NIR-I Fluorescence Molecular Tomography of Heterogeneous Mice Based on Gaussian Weighted Neighborhood Fused Lasso Method. IEEE Transactions on Medical Imaging, 2020, 39, 2213-2222.	5.4	21
27	Tumor Imaging: Radiopharmaceuticals and Fluorescein Sodium Mediated Triple-Modality Molecular Imaging Allows Precise Image-Guided Tumor Surgery (Adv. Sci. 13/2019). Advanced Science, 2019, 6, 1970081.	5.6	0
28	Endoscopic Cerenkov luminescence imaging and image-guided tumor resection on hepatocellular carcinoma-bearing mouse models. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 17, 62-70.	1.7	33
29	Cerenkov luminescence imaging on evaluation of early response to chemotherapy of drug-resistant gastric cancer. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 205-213.	1.7	30
30	Nanoparticle-mediated radiopharmaceutical-excited fluorescence molecular imaging allows precise image-guided tumor-removal surgery. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 1323-1331.	1.7	42
31	Weight Multispectral Reconstruction Strategy for Enhanced Reconstruction Accuracy and Stability With Cerenkov Luminescence Tomography. IEEE Transactions on Medical Imaging, 2017, 36, 1337-1346.	5.4	47
32	In vivo pentamodal tomographic imaging for small animals. Biomedical Optics Express, 2017, 8, 1356.	1.5	33
33	Non-convex sparse regularization approach framework for high multiple-source resolution in Cerenkov luminescence tomography. Optics Express, 2017, 25, 28068.	1.7	33
34	In vivo nanoparticle-mediated radiopharmaceutical-excited fluorescence molecular imaging. Nature Communications, 2015, 6, 7560.	5.8	114
35	Multispectral hybrid Cerenkov luminescence tomography based on the finite element SPn method. Journal of Biomedical Optics, 2015, 20, 086007.	1.4	32
36	Probability method for Cerenkov luminescence tomography based on conformance error minimization. Biomedical Optics Express, 2014, 5, 2091.	1.5	25

#	Article	IF	Citations
37	Cerenkov luminescence tomography of aminopeptidase N (APN/CD13) expression in mice bearing HT1080 tumors. Molecular Imaging, 2013, 12, 173-81.	0.7	11
38	Single photon emission computed tomography-guided Cerenkov luminescence tomography. Journal of Applied Physics, 2012, 112, 024703.	1.1	27
39	Recent Advances in Cerenkov Luminescence and Tomography Imaging. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1084-1093.	1.9	31
40	Three-dimensional Noninvasive Monitoring Iodine-131 Uptake in the Thyroid Using a Modified Cerenkov Luminescence Tomography Approach. PLoS ONE, 2012, 7, e37623.	1.1	44
41	Experimental Cerenkov luminescence tomography of the mouse model with SPECT imaging validation. Optics Express, 2010, 18, 24441.	1.7	118