

Zeyu Zhang

List of Publications by Year in descending order

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36
papers

1,251
citations

471509

17
h-index

414414

32
g-index

37
all docs

37
docs citations

37
times ranked

1145
citing authors

#	ARTICLE	IF	CITATIONS
1	First-in-human liver-tumour surgery guided by multispectral fluorescence imaging in the visible and near-infrared-I/II windows. <i>Nature Biomedical Engineering</i> , 2020, 4, 259-271.	22.5	622
2	In vivo multifunctional fluorescence imaging using liposome-coated lanthanide nanoparticles in near-infrared-II/IIa/IIb windows. <i>Nano Today</i> , 2021, 38, 101120.	11.9	51
3	Weight Multispectral Reconstruction Strategy for Enhanced Reconstruction Accuracy and Stability With Cerenkov Luminescence Tomography. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 1337-1346.	8.9	47
4	Inhibition of EZH2 (Enhancer of Zeste Homolog 2) Attenuates Neuroinflammation via H3K27me3/SOCS3/TRAF6/NF- κ B (Trimethylation of Histone 3 Lysine 27/Suppressor of Cytokine Signaling) Tj ETQq0 0 rgBT /Overlock Hemorrhage. <i>Stroke</i> , 2020, 51, 3320-3331.	2.0	43
5	Nanoparticle-mediated radiopharmaceutical-excited fluorescence molecular imaging allows precise image-guided tumor-removal surgery. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1323-1331.	3.3	42
6	In Vivo 3-Dimensional Radiopharmaceutical-Excited Fluorescence Tomography. <i>Journal of Nuclear Medicine</i> , 2017, 58, 169-174.	5.0	34
7	In vivo pentamodal tomographic imaging for small animals. <i>Biomedical Optics Express</i> , 2017, 8, 1356.	2.9	33
8	Non-convex sparse regularization approach framework for high multiple-source resolution in Cerenkov luminescence tomography. <i>Optics Express</i> , 2017, 25, 28068.	3.4	33
9	Endoscopic Cerenkov luminescence imaging and image-guided tumor resection on hepatocellular carcinoma-bearing mouse models. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 17, 62-70.	3.3	33
10	ITGB2 as a prognostic indicator and a predictive marker for immunotherapy in gliomas. <i>Cancer Immunology, Immunotherapy</i> , 2022, 71, 645-660.	4.2	32
11	Near-Infrared Window II Fluorescence Image-Guided Surgery of High-Grade Gliomas Prolongs the Progression-Free Survival of Patients. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 1889-1900.	4.2	28
12	Non-Negative Iterative Convex Refinement Approach for Accurate and Robust Reconstruction in Cerenkov Luminescence Tomography. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 3207-3217.	8.9	26
13	Real-time intraoperative glioma diagnosis using fluorescence imaging and deep convolutional neural networks. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 3482-3492.	6.4	25
14	New Mechanisms and Targets of Subarachnoid Hemorrhage: A Focus on Mitochondria. <i>Current Neuropharmacology</i> , 2022, 20, 1278-1296.	2.9	23
15	Radiopharmaceuticals and Fluorescein Sodium Mediated Triple-Modality Molecular Imaging Allows Precise Image-Guided Tumor Surgery. <i>Advanced Science</i> , 2019, 6, 1900159.	11.2	21
16	NIR-II/NIR-I Fluorescence Molecular Tomography of Heterogeneous Mice Based on Gaussian Weighted Neighborhood Fused Lasso Method. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 2213-2222.	8.9	21
17	A novel Cerenkov luminescence tomography approach using multilayer fully connected neural network. <i>Physics in Medicine and Biology</i> , 2019, 64, 245010.	3.0	19
18	Visualizing Tumors in Real Time: A Highly Sensitive PSMA Probe for NIR-II Imaging and Intraoperative Tumor Resection. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 7735-7745.	6.4	16

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19	Intraoperative fluorescence molecular imaging accelerates the coming of precision surgery in China. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 2531-2543.	6.4	16
20	Novel multifunctional NIR-II aggregation-induced emission nanoparticles-assisted intraoperative identification and elimination of residual tumor. <i>Journal of Nanobiotechnology</i> , 2022, 20, 143.	9.1	12
21	Intraoperative near-infrared fluorescence imaging can identify pelvic nerves in patients with cervical cancer in real time during radical hysterectomy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 2929-2937.	6.4	11
22	Development of a nomogram for predicting clinical outcome in patients with angiogram-negative subarachnoid hemorrhage. <i>CNS Neuroscience and Therapeutics</i> , 2021, 27, 1339-1347.	3.9	9
23	Radiopharmaceutical and Eu ³⁺ doped gadolinium oxide nanoparticles mediated triple-excited fluorescence imaging and image-guided surgery. <i>Journal of Nanobiotechnology</i> , 2021, 19, 212.	9.1	9
24	Ozone and Fenton oxidation affected the bacterial community and opportunistic pathogens in biofilms and effluents from GAC. <i>Water Research</i> , 2022, 218, 118495.	11.3	9
25	A novel in vivo Cerenkov luminescence image-guided surgery on primary and metastatic colorectal cancer. <i>Journal of Biophotonics</i> , 2020, 13, e201960152.	2.3	8
26	Attention mechanism-based locally connected network for accurate and stable reconstruction in Cerenkov luminescence tomography. <i>Biomedical Optics Express</i> , 2021, 12, 7703.	2.9	8
27	Establishment of a nomogram with EMP3 for predicting clinical outcomes in patients with glioma: A multicenter study. <i>CNS Neuroscience and Therapeutics</i> , 2021, 27, 1238-1250.	3.9	7
28	A preliminary study of dual-band confocal laser endomicroscopy combined with image mosaic in the diagnosis of liver cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 29, 102250.	3.3	4
29	The Role of Caspase Family in Acute Brain Injury: The Potential Therapeutic Targets in the Future. <i>Current Neuropharmacology</i> , 2022, 20, 1194-1211.	2.9	2
30	TRP Family Genes Are Differently Expressed and Correlated with Immune Response in Glioma. <i>Brain Sciences</i> , 2022, 12, 662.	2.3	2
31	Visualisation of pelvic autonomic nerves using NIR-II fluorescence imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 4752-4754.	6.4	2
32	Robust sparse reconstruction for Cherenkov luminescence tomography based on look ahead orthogonal matching pursuit algorithm. , 2019, , .		1
33	Residual learning network for accurate and stable reconstruction in Cerenkov luminescence tomography. , 2022, , .		1
34	A Novel Radionuclide Endoscopic Imaging System for Hepatocellular Carcinoma Guided Resection on Murine Models. , 2018, , .		0
35	Tumor Imaging: Radiopharmaceuticals and Fluorescein Sodium Mediated Triple-Modality Molecular Imaging Allows Precise Image-Guided Tumor Surgery (<i>Adv. Sci.</i> 13/2019). <i>Advanced Science</i> , 2019, 6, 1970081.	11.2	0
36	A novel small molecule mediate ¹⁸ F-FDG excited fluorescence molecular imaging. , 2018, , .		0