

Chongwei Chi

List of Publications by Year in descending order

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45
papers

2,457
citations

304743

22
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330143

37
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docs citations

45
times ranked

3657
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	Intraoperative Imaging-Guided Cancer Surgery: From Current Fluorescence Molecular Imaging Methods to Future Multi-Modality Imaging Technology. <i>Theranostics</i> , 2014, 4, 1072-1084.	10.0	301
3	Metal-Organic Framework-Derived Mesoporous Carbon Nanospheres Containing Porphyrin-Like Metal Centers for Conformal Phototherapy. <i>Advanced Materials</i> , 2016, 28, 8379-8387.	21.0	264
4	DNA-Nanostructure-Gold-Nanorod Hybrids for Enhanced In Vivo Optoacoustic Imaging and Photothermal Therapy. <i>Advanced Materials</i> , 2016, 28, 10000-10007.	21.0	185
5	First-in-human study of PET and optical dual-modality image-guided surgery in glioblastoma using ⁶⁸ Ga-IRDye800CW-BBN. <i>Theranostics</i> , 2018, 8, 2508-2520.	10.0	93
6	A Comparative Study of Clinical Intervention and Interventional Photothermal Therapy for Pancreatic Cancer. <i>Advanced Materials</i> , 2017, 29, 1700448.	21.0	86
7	Cancer Diagnosis and Imaging-Guided Photothermal Therapy Using a Dual-Modality Nanoparticle. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 29232-29241.	8.0	68
8	Dye-conjugated single-walled carbon nanotubes induce photothermal therapy under the guidance of near-infrared imaging. <i>Cancer Letters</i> , 2016, 383, 243-249.	7.2	65
9	Use of Indocyanine Green for Detecting the Sentinel Lymph Node in Breast Cancer Patients: From Preclinical Evaluation to Clinical Validation. <i>PLoS ONE</i> , 2013, 8, e83927.	2.5	63
10	Intraoperative Identification of Liver Cancer Microfoci Using a Targeted Near-Infrared Fluorescent Probe for Imaging-Guided Surgery. <i>Scientific Reports</i> , 2016, 6, 21959.	3.3	54
11	Optical Molecular Imaging Frontiers in Oncology: The Pursuit of Accuracy and Sensitivity. <i>Engineering</i> , 2015, 1, 309-323.	6.7	53
12	Fast and robust reconstruction for fluorescence molecular tomography via a sparsity adaptive subspace pursuit method. <i>Biomedical Optics Express</i> , 2014, 5, 387.	2.9	50
13	A Novel Region Reconstruction Method for Fluorescence Molecular Tomography. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 1818-1826.	4.2	50
14	The identification of sub-centimetre nodules by near-infrared fluorescence thoracoscopic systems in pulmonary resection surgeries. <i>European Journal of Cardio-thoracic Surgery</i> , 2017, 52, 1190-1196.	1.4	41
15	Theranostic imaging of liver cancer using targeted optical/MRI dual-modal probes. <i>Oncotarget</i> , 2017, 8, 32741-32751.	1.8	41
16	Near-infrared Intraoperative Imaging of Thoracic Sympathetic Nerves: From Preclinical Study to Clinical Trial. <i>Theranostics</i> , 2018, 8, 304-313.	10.0	41
17	Sentinel node biopsy using indocyanine green in oral/oropharyngeal cancer. <i>World Journal of Surgical Oncology</i> , 2015, 13, 278.	1.9	38
18	Illuminating necrosis: From mechanistic exploration to preclinical application using fluorescence molecular imaging with indocyanine green. <i>Scientific Reports</i> , 2016, 6, 21013.	3.3	34

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19	Novel $L_2,1$ -norm optimization method for fluorescence molecular tomography reconstruction. <i>Biomedical Optics Express</i> , 2016, 7, 2342.	2.9	33
20	Comparison between the indocyanine green fluorescence and blue dye methods for sentinel lymph node biopsy using novel fluorescence image-guided resection equipment in different types of hospitals. <i>Translational Research</i> , 2016, 178, 74-80.	5.0	32
21	Increased precision of orthotopic and metastatic breast cancer surgery guided by matrix metalloproteinase-activatable near-infrared fluorescence probes. <i>Scientific Reports</i> , 2015, 5, 14197.	3.3	27
22	GX1-conjugated poly(lactic acid) nanoparticles encapsulating Endostar for improved in vivo anticancer treatment. <i>International Journal of Nanomedicine</i> , 2015, 10, 3791.	6.7	26
23	Microsurgery guided by sequential preoperative lymphography using ^{68}Ga -NEB PET and MRI in patients with lower-limb lymphedema. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 44, 1501-1510.	6.4	23
24	A new method of near-infrared fluorescence image-guided hepatectomy for patients with hepatolithiasis: a randomized controlled trial. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2020, 34, 4975-4982.	2.4	23
25	Efficacy of Near-Infrared Fluorescence-Guided Hepatectomy for the Detection of Colorectal Liver Metastases: A Randomized Controlled Trial. <i>Journal of the American College of Surgeons</i> , 2022, 234, 130-137.	0.5	20
26	Compactly Supported Radial Basis Function-Based Meshless Method for Photon Propagation Model of Fluorescence Molecular Tomography. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 366-373.	8.9	18
27	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
28	Resection and survival data from a clinical trial of glioblastoma multiforme-specific ^{800}nm IRDye800-BBN fluorescence-guided surgery. <i>Bioengineering and Translational Medicine</i> , 2021, 6, e10182.	7.1	14
29	Sparse Reconstruction of Fluorescence Molecular Tomography Using Variable Splitting and Alternating Direction Scheme. <i>Molecular Imaging and Biology</i> , 2018, 20, 37-46.	2.6	13
30	Intraoperative near-infrared II window fluorescence imaging-assisted nephron-sparing surgery for complete resection of cystic renal masses. <i>Clinical and Translational Medicine</i> , 2021, 11, e604.	4.0	13
31	Development and application of the near-infrared and white-light thoracoscope system for minimally invasive lung cancer surgery. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	2.6	12
32	Photothermal Adjunctive Cytoreductive Surgery for Treating Peritoneal Metastasis of Gastric Cancer. <i>Small Methods</i> , 2018, 2, 1700368.	8.6	12
33	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
34	Phototherapy: Metal-Organic Framework-Derived Mesoporous Carbon Nanospheres Containing Porphyrin-Like Metal Centers for Conformal Phototherapy (<i>Adv. Mater.</i> 38/2016). <i>Advanced Materials</i> , 2016, 28, 8318-8318.	21.0	5
35	Meshless reconstruction method for fluorescence molecular tomography based on compactly supported radial basis function. <i>Journal of Biomedical Optics</i> , 2015, 20, 105003.	2.6	4
36	A novel method for image denoising of fluorescence molecular imaging based on fuzzy C-Means clustering. <i>Proceedings of SPIE</i> , 2015, , .	0.8	2

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37	Visualisation of pelvic autonomic nerves using NIR-II fluorescence imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 4752-4754.	6.4	2
38	A novel wireless wearable fluorescence image-guided surgery system. , 2016, 2016, 5208-5211.		1
39	Novel trace norm regularization method for fluorescence molecular tomography reconstruction. , 2017, , .		1
40	A near-infrared fluorescence-based surgical navigation system imaging software for sentinel lymph node detection. , 2014, , .		0
41	The application of surgical navigation system using optical molecular imaging technology in orthotopic breast cancer and metastasis studies. , 2014, , .		0
42	The combination design for open and endoscopic surgery using fluorescence molecular imaging technology. Proceedings of SPIE, 2015, , .	0.8	0
43	Sentinel lymph node detection in breast cancer patients using surgical navigation system based on fluorescence molecular imaging technology. , 2015, , .		0
44	Tomographic fluorescence reconstruction by a spectral projected gradient pursuit method. , 2015, , .		0
45	Evaluation of the anti-neoplastic effect of sorafenib on liver cancer through bioluminescence tomography. , 2017, , .		0