

Jun Zhao

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.

87
papers

661
citations

15
h-index

22
g-index

105
ext. papers

908
ext. citations

3.9
avg, IF

4.08
L-index

#	Paper	IF	Citations
87	Fair-view image reconstruction with dual dictionaries. <i>Physics in Medicine and Biology</i> , 2012 , 57, 173-89	3.8	80
86	Identifying EGFR mutations in lung adenocarcinoma by noninvasive imaging using radiomics features and random forest modeling. <i>European Radiology</i> , 2019 , 29, 4742-4750	8	62
85	Enhanced healing of rat calvarial defects with sulfated chitosan-coated calcium-deficient hydroxyapatite/bone morphogenetic protein 2 scaffolds. <i>Tissue Engineering - Part A</i> , 2012 , 18, 185-97	3.9	58
84	Reconstruction of magnetic resonance imaging by three-dimensional dual-dictionary learning. <i>Magnetic Resonance in Medicine</i> , 2014 , 71, 1285-98	4.4	26
83	Study of the mechanism of sonodynamic therapy in a rat glioma model. <i>OncoTargets and Therapy</i> , 2014 , 7, 1801-10	4.4	26
82	Computerized detection of lung nodules through radiomics. <i>Medical Physics</i> , 2017 , 44, 4148-4158	4.4	19
81	The Role of PET-Based Radiomic Features in Predicting Local Control of Esophageal Cancer Treated with Concurrent Chemoradiotherapy. <i>Scientific Reports</i> , 2018 , 8, 9902	4.9	19
80	Accurate vessel extraction via tensor completion of background layer in X-ray coronary angiograms. <i>Pattern Recognition</i> , 2019 , 87, 38-54	7.7	19
79	Detection of epithelial growth factor receptor () mutations on CT images of patients with lung adenocarcinoma using radiomics and/or multi-level residual convolutional neural networks. <i>Journal of Thoracic Disease</i> , 2018 , 10, 6624-6635	2.6	19
78	Simultaneous CT-MRI Reconstruction for Constrained Imaging Geometries Using Structural Coupling and Compressive Sensing. <i>IEEE Transactions on Biomedical Engineering</i> , 2016 , 63, 1301-1309	5	18
77	Microbubbles as contrast agent for in-line x-ray phase-contrast imaging. <i>Applied Physics Letters</i> , 2011 , 99, 011101	3.4	18
76	In-line phase-contrast and grating-based phase-contrast synchrotron imaging study of brain micrometastasis of breast cancer. <i>Scientific Reports</i> , 2015 , 5, 9418	4.9	17
75	. <i>IEEE Access</i> , 2014 , 2, 1359-1363	3.5	17
74	X-ray grating interferometer for biomedical imaging applications at Shanghai Synchrotron Radiation Facility. <i>Journal of Synchrotron Radiation</i> , 2012 , 19, 821-6	2.4	15
73	A filtered backprojection algorithm for triple-source helical cone-beam CT. <i>IEEE Transactions on Medical Imaging</i> , 2009 , 28, 384-93	11.7	15
72	Vertebrae Identification and Localization Utilizing Fully Convolutional Networks and a Hidden Markov Model. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 387-399	11.7	14
71	Identifying epidermal growth factor receptor mutation status in patients with lung adenocarcinoma by three-dimensional convolutional neural networks. <i>British Journal of Radiology</i> , 2018 , 91, 20180334	3.4	12

70	An improved method of automatic colon segmentation for virtual colon unfolding. <i>Computer Methods and Programs in Biomedicine</i> , 2013 , 109, 1-12	6.9	11
69	High-Performance CAD-CTC Scheme Using Shape Index, Multiscale Enhancement Filters, and Radiomic Features. <i>IEEE Transactions on Biomedical Engineering</i> , 2017 , 64, 1924-1934	5	10
68	Fully automated colon segmentation for the computation of complete colon centerline in virtual colonoscopy. <i>IEEE Transactions on Biomedical Engineering</i> , 2012 , 59, 996-1004	5	10
67	Implementation strategy of a CNN model affects the performance of CT assessment of EGFR mutation status in lung cancer patients. <i>IEEE Access</i> , 2019 , 7, 64583-64591	3.5	9
66	Will Arsenic Trioxide Benefit Treatment of Solid Tumor by Nano- Encapsulation?. <i>Mini-Reviews in Medicinal Chemistry</i> , 2020 , 20, 239-251	3.2	8
65	Optimization-based scatter estimation using primary modulation for computed tomography. <i>Medical Physics</i> , 2016 , 43, 4753	4.4	8
64	Improved False Positive Reduction by Novel Morphological Features for Computer-Aided Polyp Detection in CT Colonography. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019 , 23, 324-333	7.2	7
63	Segmentation and suppression of pulmonary vessels in low-dose chest CT scans. <i>Medical Physics</i> , 2019 , 46, 3603-3614	4.4	6
62	Reconstruction of a high-quality volumetric image and a respiratory motion model from patient CBCT projections. <i>Medical Physics</i> , 2019 , 46, 3627-3639	4.4	6
61	Lung field segmentation using weighted sparse shape composition with robust initialization. <i>Medical Physics</i> , 2017 , 44, 5916-5929	4.4	6
60	Targeted therapy with apatinib in a patient with relapsed small cell lung cancer: A case report and literature review. <i>Medicine (United States)</i> , 2017 , 96, e9259	1.8	6
59	High-Resolution and Quantitative X-Ray Phase-Contrast Tomography for Mouse Brain Research. <i>Computational and Mathematical Methods in Medicine</i> , 2015 , 2015, 530580	2.8	6
58	Prediction of S-nitrosylation modification sites based on kernel sparse representation classification and mRMR algorithm. <i>BioMed Research International</i> , 2014 , 2014, 438341	3	6
57	Digital eversion of a hollow structure: an application in virtual colonography. <i>International Journal of Biomedical Imaging</i> , 2008 , 2008, 763028	5.2	6
56	Automated Identification of Optimal Portal Venous Phase Timing with Convolutional Neural Networks. <i>Academic Radiology</i> , 2020 , 27, e10-e18	4.3	6
55	Accelerating MRI reconstruction via three-dimensional dual-dictionary learning using CUDA. <i>Journal of Supercomputing</i> , 2015 , 71, 2381-2396	2.5	5
54	miR-21-3p regulates AGE/RAGE signalling and improves diabetic atherosclerosis. <i>Cell Biochemistry and Function</i> , 2020 , 38, 965-975	4.2	5
53	A stationary computed tomography system with cylindrically distributed sources and detectors. <i>Journal of X-Ray Science and Technology</i> , 2014 , 22, 707-25	2.1	5

52	Low-dose cone-beam CT (LD-CBCT) reconstruction for image-guided radiation therapy (IGRT) by three-dimensional dual-dictionary learning. <i>Radiation Oncology</i> , 2020 , 15, 192	4.2	5
51	Highly undersampled MR image reconstruction using an improved dual-dictionary learning method with self-adaptive dictionaries. <i>Medical and Biological Engineering and Computing</i> , 2017 , 55, 807-822	3.1	4
50	Virtual eversion and rotation of colon based on outer surface centerline. <i>Medical Physics</i> , 2010 , 37, 5518-22	4.9	4
49	The effect of pulmonary vessel suppression on computerized detection of nodules in chest CT scans. <i>Medical Physics</i> , 2020 , 47, 4917-4927	4.4	4
48	Successful endoluminal rescue of an endovascular graft unintentionally deployed in the false lumen of Stanford type B aortic dissection. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016 , 151, e41-e45	1.5	4
47	Automatic Detection of Lung Nodules Using 3D Deep Convolutional Neural Networks. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2019 , 24, 517-523	0.6	3
46	Evaluation of nonpermanent inferior vena cava filter placement in patients with deep venous thrombosis after lower extremity fracture: A single-center retrospective study. <i>Phlebology</i> , 2016 , 31, 564-72	2	3
45	Inner Focus Iterative Reconstruction Method with the Interlaced Phase Stepping Scanning for Grating-based Phase Contrast Tomography. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 6251-6254	0.9	3
44	Inner-focusing reconstruction method for grating-based phase-contrast CT. <i>Optics Express</i> , 2013 , 21, 6224-32	3.3	3
43	Computer Aided Detection for Pneumoconiosis Based on Co-Occurrence Matrices Analysis 2009 ,		3
42	Improvement of rBMSCs Responses to Poly(propylene carbonate) Based Biomaterial through Incorporation of Nanolaponite and Surface Treatment Using Sodium Hydroxide. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 329-339	5.5	3
41	Limited-Range Few-View CT: Using Historical Images for ROI Reconstruction in Solitary Lung Nodules Follow-up Examination. <i>IEEE Transactions on Medical Imaging</i> , 2017 , 36, 2569-2577	11.7	2
40	Dynamic MR imaging reconstruction by three-dimensional dictionary learning 2012 ,		2
39	Threshold controlled scheme of difference expansion techniques for reversible watermarking. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2010 , 15, 541-548	0.6	2
38	New reconstruction method for few-view grating-based phase-contrast imaging via dictionary learning. <i>Optics Express</i> , 2018 , 26, 26566-26575	3.3	2
37	A single-cell interactome of human tooth germ from growing third molar elucidates signaling networks regulating dental development. <i>Cell and Bioscience</i> , 2021 , 11, 178	9.8	2
36	A Weak Supervision-based Framework for Automatic Lung Cancer Classification on Whole Slide Image. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2020 , 2020, 1372-1375	0.9	2
35	A Novel Data-Driven Cardiac Gating Signal Extraction Method for PET. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 629-637	11.7	2

34	The value of ankle-brachial index screening for cardiovascular disease in type 2 diabetes. <i>Diabetes/Metabolism Research and Reviews</i> , 2019 , 35, e3076	7.5	2
33	Novel 3D Radiomic Features for Computer-Aided Polyp Detection in CT Colonography. <i>IEEE Access</i> , 2018 , 6, 74506-74520	3.5	2
32	Low Inorganic Phosphate Stress Inhibits Liver Cancer Progression: from In Vivo to In Vitro. <i>Advanced Therapeutics</i> , 2022 , 5, 2100224	4.9	2
31	Attenuation Correction for Fixed MR Components in a Simultaneous PET/MR System 2017 ,		1
30	Virtual colon flattening method based on colonic outer surface. <i>Computer Methods and Programs in Biomedicine</i> , 2014 , 117, 473-81	6.9	1
29	A semi-stationary CT system 2014 ,		1
28	Segmentation of haustral folds and polyps on haustral folds in CT colonography using complementary geodesic distance transformation. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2014 , 19, 513-520	0.6	1
27	High Resolution X-Ray Microangiography of 4T1 Tumor in Mouse Using Synchrotron Radiation 2010 ,		1
26	Colon Straightening Based on a Gravity Field Model 2009 ,		1
25	An Automatic Colon Cleansing Method for Virtual Colonoscopy 2009 ,		1
24	Stereo-imaging towards spectrography for 3D analysis from a single spectral view 2012 ,		1
23	Biomedical imaging and image processing course in shanghai jiao tong university. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2005 , 2006, 93-6		1
22	Lung cancer subtype classification using histopathological images based on weakly supervised multi-instance learning. <i>Physics in Medicine and Biology</i> , 2021 , 66,	3.8	1
21	polysaccharin inhibits hepatocellular carcinoma-like phenotypes in a murine HCC model through repression of M2 polarization of tumour-associated macrophages. <i>Pharmaceutical Biology</i> , 2021 , 59, 1533-1539	3.8	1
20	Intratumoral inorganic phosphate deprivation: A new anticancer strategy?. <i>Medical Hypotheses</i> , 2020 , 135, 109497	3.8	1
19	Nanosized drug-eluting bead for transcatheter arterial chemoembolization (ND-TACE). <i>Journal of Materials Chemistry B</i> , 2020 , 8, 8684-8694	7.3	1
18	Functional Network Alterations as Markers for Predicting the Treatment Outcome of Cathodal Transcranial Direct Current Stimulation in Focal Epilepsy. <i>Frontiers in Human Neuroscience</i> , 2021 , 15, 637071	7.7	1
17	MicroRNA-365b-3p represses the proliferation and promotes the apoptosis of non-small cell lung cancer cells by targeting PPP5C. <i>Oncology Letters</i> , 2021 , 21, 389	2.6	1

16	A FCN-based Unsupervised Learning Model for Deformable Chest CT Image Registration 2019 ,			1
15	Impact of Timing Resolution on DIRECT TOF PET Reconstruction with Sparse Detectors 2019 ,			1
14	Predicting Tyrosine Kinase Inhibitor Treatment Response in Stage IV Lung Adenocarcinoma Patients With EGFR Mutation Using Model-Based Deep Transfer Learning. <i>Frontiers in Oncology</i> , 2021 , 11, 679764	5.3		1
13	Sevelamer arsenite nanoparticle as a Pi-responsive drug carrier and embolic agent for chemoembolization.. <i>Drug Delivery</i> , 2022 , 29, 1447-1456	7		1
12	Quantitative study of the influence of swimming therapy on osteoporosis rat models based on synchrotron radiation computed tomography. <i>Journal of Synchrotron Radiation</i> , 2018 , 25, 793-800	2.4		0
11	Dual-dictionary learning based MR image reconstruction with self-adaptive dictionaries. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 7051-4	0.9		0
10	A multicompartiment model for intratumor tissue-specific analysis of DCE-MRI using non-negative matrix factorization. <i>Medical Physics</i> , 2021 , 48, 2400-2411	4.4		0
9	Ultrasound-Guided Percutaneous Ethanol-Paclitaxel Combined Therapy for Rabbit VX2 Liver Tumors. <i>Journal of Hepatocellular Carcinoma</i> , 2021 , 8, 263-270	5.3		0
8	Predicting Malignancy and Invasiveness of Pulmonary Subsolid Nodules on CT Images Using Deep Learning. <i>Frontiers in Oncology</i> , 2021 , 11, 700158	5.3		0
7	Robust PCA Unrolling Network for Super-resolution Vessel Extraction in X-ray Coronary Angiography. <i>IEEE Transactions on Medical Imaging</i> , 2022 , 1-1	11.7		0
6	CT reconstruction with priori MRI images through multi-group datasets expansion. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2017 , 22, 756-762	0.6		
5	Computer-aided detection for CT colonography. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2014 , 19, 531-537	0.6		
4	Hepatic CT image query based on threshold-based classification scheme with gabor features. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2008 , 13, 753-758	0.6		
3	Development of colloidal rare-earth arsenites as arsenic trioxide nanoparticle prodrugs (ATONP) for chemotherapy on a patient-derived xenograft model of colorectal cancer. <i>New Journal of Chemistry</i> , 2019 , 43, 17408-17415	3.6		
2	Self-prior image-guided MRI reconstruction with dictionary learning. <i>Medical Physics</i> , 2019 , 46, 517-527	4.4		
1	Case Report: Stereoelectroencephalography and Stereoelectroencephalography-Guided Radiofrequency Thermocoagulation in Familial Lateral Temporal Lobe Epilepsy.. <i>Frontiers in Neurology</i> , 2022 , 13, 864070	4.1		