

Jun Zhao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4090156/publications.pdf>

Version: 2024-02-01

99
papers

1,118
citations

471061

17
h-index

476904

29
g-index

105
all docs

105
docs citations

105
times ranked

1612
citing authors

#	ARTICLE	IF	CITATIONS
1	Identifying EGFR mutations in lung adenocarcinoma by noninvasive imaging using radiomics features and random forest modeling. <i>European Radiology</i> , 2019, 29, 4742-4750.	2.3	121
2	Few-view image reconstruction with dual dictionaries. <i>Physics in Medicine and Biology</i> , 2012, 57, 173-189.	1.6	98
3	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, 185-197.	1.6	67
4	Study of the mechanism of sonodynamic therapy in a rat glioma model. <i>OncoTargets and Therapy</i> , 2014, 7, 1801.	1.0	42
5	Reconstruction of magnetic resonance imaging by three-dimensional dual-dictionary learning. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 1285-1298.	1.9	39
6	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.	1.6	35
7	Vertebrae Identification and Localization Utilizing Fully Convolutional Networks and a Hidden Markov Model. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 387-399.	5.4	34
8	Detection of epithelial growth factor receptor (EGFR) mutations on CT images of patients with lung adenocarcinoma using radiomics and/or multi-level residual convolutionary neural networks. <i>Journal of Thoracic Disease</i> , 2018, 10, 6624-6635.	0.6	31
9	Accurate vessel extraction via tensor completion of background layer in X-ray coronary angiograms. <i>Pattern Recognition</i> , 2019, 87, 38-54.	5.1	29
10	Computerized detection of lung nodules through radiomics. <i>Medical Physics</i> , 2017, 44, 4148-4158.	1.6	26
11	A Filtered Backprojection Algorithm for Triple-Source Helical Cone-Beam CT. <i>IEEE Transactions on Medical Imaging</i> , 2009, 28, 384-393.	5.4	23
12	Microbubbles as contrast agent for in-line x-ray phase-contrast imaging. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	23
13	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.	1.6	22
14	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.	2.5	21
15	Edge-Guided Dual-Modality Image Reconstruction. <i>IEEE Access</i> , 2014, 2, 1359-1363.	2.6	20
16	miR-21a-3p regulates AGE/RAGE signalling and improves diabetic atherosclerosis. <i>Cell Biochemistry and Function</i> , 2020, 38, 965-975.	1.4	20
17	X-ray grating interferometer for biomedical imaging applications at Shanghai Synchrotron Radiation Facility. <i>Journal of Synchrotron Radiation</i> , 2012, 19, 821-826.	1.0	19
18	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.	1.0	18

#	ARTICLE	IF	CITATIONS
19	An improved method of automatic colon segmentation for virtual colon unfolding. Computer Methods and Programs in Biomedicine, 2013, 109, 1-12.	2.6	16
20	Segmentation and suppression of pulmonary vessels in low-dose chest CT scans. Medical Physics, 2019, 46, 3603-3614.	1.6	16
21	Improved False Positive Reduction by Novel Morphological Features for Computer-Aided Polyp Detection in CT Colonography. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 324-333.	3.9	15
22	Implementation Strategy of a CNN Model Affects the Performance of CT Assessment of EGFR Mutation Status in Lung Cancer Patients. IEEE Access, 2019, 7, 64583-64591.	2.6	15
23	Will Arsenic Trioxide Benefit Treatment of Solid Tumor by Nano- Encapsulation?. Mini-Reviews in Medicinal Chemistry, 2020, 20, 239-251.	1.1	15
24	Prediction of S-Nitrosylation Modification Sites Based on Kernel Sparse Representation Classification and mRMR Algorithm. BioMed Research International, 2014, 2014, 1-10.	0.9	14
25	Fully Automated Colon Segmentation for the Computation of Complete Colon Centerline in Virtual Colonoscopy. IEEE Transactions on Biomedical Engineering, 2012, 59, 996-1004.	2.5	13
26	High-Performance CAD-CTC Scheme Using Shape Index, Multiscale Enhancement Filters, and Radiomic Features. IEEE Transactions on Biomedical Engineering, 2017, 64, 1924-1934.	2.5	12
27	Automatic Detection of Lung Nodules Using 3D Deep Convolutional Neural Networks. Journal of Shanghai Jiaotong University (Science), 2019, 24, 517-523.	0.5	12
28	<i>Astragalus</i> polysaccharin inhibits hepatocellular carcinoma-like phenotypes in a murine HCC model through repression of M2 polarization of tumour-associated macrophages. Pharmaceutical Biology, 2021, 59, 1531-1537.	1.3	12
29	Automated Identification of Optimal Portal Venous Phase Timing with Convolutional Neural Networks. Academic Radiology, 2020, 27, e10-e18.	1.3	11
30	A stationary computed tomography system with cylindrically distributed sources and detectors. Journal of X-Ray Science and Technology, 2014, 22, 707-725.	0.7	10
31	Targeted therapy with apatinib in a patient with relapsed small cell lung cancer. Medicine (United Tj ETQq1 1 0.784314 rgBT/Overlo	0.4	10
32	Reconstruction of a high-quality volumetric image and a respiratory motion model from patient CBCT projections. Medical Physics, 2019, 46, 3627-3639.	1.6	10
33	A Novel Data-Driven Cardiac Gating Signal Extraction Method for PET. IEEE Transactions on Medical Imaging, 2019, 38, 629-637.	5.4	10
34	A single-cell interactome of human tooth germ from growing third molar elucidates signaling networks regulating dental development. Cell and Bioscience, 2021, 11, 178.	2.1	10
35	Low Inorganic Phosphate Stress Inhibits Liver Cancer Progression: from In Vivo to In Vitro. Advanced Therapeutics, 2022, 5, .	1.6	10
36	Optimization-based scatter estimation using primary modulation for computed tomography. Medical Physics, 2016, 43, 4753-4767.	1.6	9

#	ARTICLE	IF	CITATIONS
37	Robust PCA Unrolling Network for Super-Resolution Vessel Extraction in X-Ray Coronary Angiography. <i>IEEE Transactions on Medical Imaging</i> , 2022, 41, 3087-3098.	5.4	9
38	Computer Aided Detection for Pneumoconiosis Based on Co-Occurrence Matrices Analysis. , 2009, , .		7
39	Inner-focusing reconstruction method for grating-based phase-contrast CT. <i>Optics Express</i> , 2013, 21, 6224.	1.7	7
40	Accelerating MRI reconstruction via three-dimensional dual-dictionary learning using CUDA. <i>Journal of Supercomputing</i> , 2015, 71, 2381-2396.	2.4	7
41	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.	0.4	7
42	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.	1.6	7
43	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.	2.6	7
44	The effect of pulmonary vessel suppression on computerized detection of nodules in chest CT scans. <i>Medical Physics</i> , 2020, 47, 4917-4927.	1.6	7
45	Nanosized drug-eluting bead for transcatheter arterial chemoembolization (ND-TACE). <i>Journal of Materials Chemistry B</i> , 2020, 8, 8684-8694.	2.9	7
46	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.	1.2	7
47	A Weak Supervision-based Framework for Automatic Lung Cancer Classification on Whole Slide Image. , 2020, 2020, 1372-1375.		7
48	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.	1.3	7
49	Lung cancer subtype classification using histopathological images based on weakly supervised multi-instance learning. <i>Physics in Medicine and Biology</i> , 2021, 66, 235013.	1.6	7
50	Digital Eversion of a Hollow Structure: An Application in Virtual Colonography. <i>International Journal of Biomedical Imaging</i> , 2008, 2008, 1-6.	3.0	6
51	High-Resolution and Quantitative X-Ray Phase-Contrast Tomography for Mouse Brain Research. <i>Computational and Mathematical Methods in Medicine</i> , 2015, 2015, 1-12.	0.7	6
52	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, 564-572.	0.6	6
53	Lung field segmentation using weighted sparse shape composition with robust initialization. <i>Medical Physics</i> , 2017, 44, 5916-5929.	1.6	6
54	Virtual eversion and rotation of colon based on outer surface centerline. <i>Medical Physics</i> , 2010, 37, 5518-5529.	1.6	5

#	ARTICLE	IF	CITATIONS
55	A FCN-based Unsupervised Learning Model for Deformable Chest CT Image Registration. , 2019, , .		5
56	The value of ankle-brachial index screening for cardiovascular disease in type 2 diabetes. Diabetes/Metabolism Research and Reviews, 2019, 35, e3076.	1.7	5
57	MicroRNA-365b-3p represses the proliferation and promotes the apoptosis of non-small cell lung cancer cells by targeting PPP5C. Oncology Letters, 2021, 21, 389.	0.8	5
58	Limited-Range Few-View CT: Using Historical Images for ROI Reconstruction in Solitary Lung Nodules Follow-up Examination. IEEE Transactions on Medical Imaging, 2017, 36, 2569-2577.	5.4	4
59	Novel 3D Radiomic Features for Computer-Aided Polyp Detection in CT Colonography. IEEE Access, 2018, 6, 74506-74520.	2.6	4
60	Inner Focus Iterative Reconstruction Method with the Interlaced Phase Stepping Scanning for Grating-based Phase Contrast Tomography. , 2019, 2019, 6251-6254.		4
61	Functional Network Alterations as Markers for Predicting the Treatment Outcome of Cathodal Transcranial Direct Current Stimulation in Focal Epilepsy. Frontiers in Human Neuroscience, 2021, 15, 637071.	1.0	4
62	Predicting Malignancy and Invasiveness of Pulmonary Subsolid Nodules on CT Images Using Deep Learning. Frontiers in Oncology, 2021, 11, 700158.	1.3	4
63	New reconstruction method for few-view grating-based phase-contrast imaging via dictionary learning. Optics Express, 2018, 26, 26566.	1.7	4
64	An Automatic Colon Cleansing Method for Virtual Colonoscopy. , 2009, , .		3
65	Quantitative study of the influence of swimming therapy on osteoporosis rat models based on synchrotron radiation computed tomography. Journal of Synchrotron Radiation, 2018, 25, 793-800.	1.0	3
66	A multicompartiment model for intratumor tissue-specific analysis of DCE-MRI using non-negative matrix factorization. Medical Physics, 2021, 48, 2400-2411.	1.6	3
67	Ultrasound-Guided Percutaneous Ethanol-Paclitaxel Combined Therapy for Rabbit VX2 Liver Tumors. Journal of Hepatocellular Carcinoma, 2021, Volume 8, 263-270.	1.8	3
68	Efficacy and Safety of Qinpi Tongfeng Formula in the Treatment of Acute Gouty Arthritis: A Double-Blind, Double-Dummy, Multicenter, Randomized Controlled Trial. Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-13.	0.5	3
69	Biomedical Imaging and Image Processing Course in Shanghai Jiao Tong University. , 2005, 2006, 93-6.		2
70	Colon Straightening Based on a Gravity Field Model. , 2009, , .		2
71	A Reconstruction Method for Circular Interlaced-Source-Detector-Array CT. , 2009, , .		2
72	Threshold controlled scheme of difference expansion techniques for reversible watermarking. Journal of Shanghai Jiaotong University (Science), 2010, 15, 541-548.	0.5	2

#	ARTICLE	IF	CITATIONS
73	Quantitative analysis of vessel morphology using micro-computed tomography. , 2011, , .		2
74	Dynamic MR imaging reconstruction by three-dimensional dictionary learning. , 2012, , .		2
75	Segmentation of haustral folds and polyps on haustral folds in CT colonography using complementary geodesic distance transformation. Journal of Shanghai Jiaotong University (Science), 2014, 19, 513-520.	0.5	2
76	Adaptive dictionary learning in sparse gradient domain for CT reconstruction. , 2014, , .		2
77	Virtual colon flattening method based on colonic outer surface. Computer Methods and Programs in Biomedicine, 2014, 117, 473-481.	2.6	2
78	Impact of Timing Resolution on DIRECT TOF PET Reconstruction with Sparse Detectors. , 2019, , .		2
79	Intratumoral inorganic phosphate deprivation: A new anticancer strategy?. Medical Hypotheses, 2020, 135, 109497.	0.8	2
80	Adaptive Prior Patch Size Based Sparse-View CT Reconstruction Algorithm. , 2020, , .		2
81	High Resolution X-Ray Microangiography of 4T1 Tumor in Mouse Using Synchrotron Radiation. , 2010, , .		1
82	Stereo-imaging towards spectrography for 3D analysis from a single spectral view. , 2012, , .		1
83	A semi-stationary CT system. , 2014, , .		1
84	Dual-dictionary learning based MR image reconstruction with self-adaptive dictionaries. , 2015, 2015, 7051-4.		1
85	Attenuation Correction for Fixed MR Components in a Simultaneous PET/MR System. , 2017, , .		1
86	Self-prior image-guided MRI reconstruction with dictionary learning. Medical Physics, 2019, 46, 517-527.	1.6	1
87	Relationship between incompetent perforator veins and pigmentation below the knee in patients with chronic venous disease. Journal of Vascular Surgery: Venous and Lymphatic Disorders, 2022, , .	0.9	1
88	Sevelamer arsenite nanoparticle as a Pi-responsive drug carrier and embolic agent for chemoembolization. Drug Delivery, 2022, 29, 1447-1456.	2.5	1
89	Hepatic CT image query based on threshold-based classification scheme with gabor features. Journal of Shanghai Jiaotong University (Science), 2008, 13, 753-758.	0.5	0
90	Virtual lumen insufflation and its application in virtual endoscopy. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
91	An automatic method for colon segmentation in virtual colonoscopy. , 2011, , .		0
92	Computer-aided detection for CT colonography. Journal of Shanghai Jiaotong University (Science), 2014, 19, 531-537.	0.5	0
93	CT reconstruction with priori MRI images through multi-group datasets expansion. Journal of Shanghai Jiaotong University (Science), 2017, 22, 756-762.	0.5	0
94	Multi-Resolution Imaging for Total-body PET. , 2018, , .		0
95	Development of colloidal rare-earth arsenites as arsenic trioxide nanoparticle prodrugs (ATONP) for chemotherapy on a patient-derived xenograft model of colorectal cancer. New Journal of Chemistry, 2019, 43, 17408-17415.	1.4	0
96	Study and Prediction of Bone Strength of Rats with Different Intensity of Swimming Therapy Based on Synchrotron Radiation. , 2020, , .		0
97	Investigation of Spatial-Temporal Kernel Method for Dynamic Imaging in Short and Long Range PET Scanners. , 2020, , .		0
98	Previous-stage-based ROI Reconstruction Method for Ultra-low-dose CT Angiography. , 2020, , .		0
99	Case Report: Stereoelectroencephalography and Stereoelectroencephalography-Guided Radiofrequency Thermocoagulation in Familial Lateral Temporal Lobe Epilepsy. Frontiers in Neurology, 2022, 13, 864070.	1.1	0