Yao Lu

List of Publications by Year
in descending order

56 papers	914 citations	566801 15 h-index	500791 28 g-index
57 all docs	57 docs citations	57 times ranked	1349 citing authors

#	Article	IF	Citations
1	An epileptic seizure prediction model based on a time-wise attention simulation module and a pretrained ResNet. Methods, 2022, 202, 117-126.	1.9	8
2	An Artificial Intelligence Model Based on ACR TI-RADS Characteristics for US Diagnosis of Thyroid Nodules. Radiology, 2022, 303, 613-619.	3.6	18
3	The uncertainty of boundary can improve the classification accuracy of BIâ€RADS 4A ultrasound image. Medical Physics, 2022, 49, 3314-3324.	1.6	1
4	Architectural distortion detection based on superiorâ€"inferior directional context and anatomic prior knowledge in digital breast tomosynthesis. Medical Physics, 2022, 49, 3749-3768.	1.6	3
5	A fixed-point proximity algorithm for recovering low-rank components from incomplete observation data with application to motion capture data refinement. Journal of Computational and Applied Mathematics, 2022, 410, 114224.	1.1	3
6	Deep Hierarchical Multiple Instance Learning for Whole Slide Image Classification. , 2022, , .		2
7	Multiple Instance Learning with Task-Specific Multi-Level Features for Weakly Annotated Histopathological Image Classification. , 2022, , .		1
8	An Integral-equation-oriented Vectorized SpMV Algorithm and its Application on CT Imaging Reconstruction. , 2022, , .		0
9	The Role of Imaging in the Detection and Management of COVID-19: A Review. IEEE Reviews in Biomedical Engineering, 2021, 14, 16-29.	13.1	273
10	Deep learning of mammary gland distribution for architectural distortion detection in digital breast tomosynthesis. Physics in Medicine and Biology, 2021, 66, 035028.	1.6	13
11	Tracking-based deep learning method for temporomandibular joint segmentation. Annals of Translational Medicine, 2021, 9, 467-467.	0.7	5
12	Prognostic Modeling of Patients Undergoing Surgery Alone for Esophageal Squamous Cell Carcinoma: A Histopathological and Computed Tomography Based Quantitative Analysis. Frontiers in Oncology, 2021, 11, 565755.	1.3	1
13	Establishing a survival prediction model for esophageal squamous cell carcinoma based on CT and histopathological images. Physics in Medicine and Biology, 2021, 66, 145015.	1.6	6
14	Synthesis of Mammogram From Digital Breast Tomosynthesis Using Deep Convolutional Neural Network With Gradient Guided cGANs. IEEE Transactions on Medical Imaging, 2021, 40, 2080-2091.	5.4	19
15	Multimodal fusion diagnosis of depression and anxiety based on face video. , 2021, , .		3
16	Can a Computer-Aided Mass Diagnosis Model Based on Perceptive Features Learned From Quantitative Mammography Radiology Reports Improve Junior Radiologistsâ€™ Diagnosis Performance? An Observer Study. Frontiers in Oncology, 2021, 11, 773389.	1.3	3
17	Computer-aided detection and diagnosis of microcalcification clusters on full field digital mammograms based on deep learning method using neutrosophic boosting. Multimedia Tools and Applications, 2020, 79, 17147-17167.	2.6	5
18	Prior Attention Enhanced Convolutional Neural Network Based Automatic Segmentation of Organs at Risk for Head and Neck Cancer Radiotherapy. IEEE Access, 2020, 8, 179018-179027.	2.6	2

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19	MedSRGAN: medical images super-resolution using generative adversarial networks. Multimedia Tools and Applications, 2020, 79, 21815-21840.	2.6	44
20	A Total Fractional-Order Variation Regularized Reconstruction Method for CT. Mathematical Problems in Engineering, 2020, 2020, 1-9.	0.6	0
21	A Survey on Artificial Intelligence in Chest Imaging of COVID-19. BIO Integration, 2020, 1, .	0.9	15
22	A content-adaptive unstructured grid based integral equation method with the TV regularization for SPECT reconstruction. Inverse Problems and Imaging, 2020, 14, 27-52.	0.6	4
23	W-net. , 2020, , .		5
24	Data Exchange Engine for Parallel Computing and Its Application to 3D Chromosome Modelling. Communications in Computer and Information Science, 2020, , 429-449.	0.4	0
25	An Epileptic Seizure Prediction Model based on a Simulation Block and a Pretrained ResNet. , 2020, , .		1
26	Three‐dimensional reconstruction of internal fascicles and microvascular structures of human peripheral nerves. International Journal for Numerical Methods in Biomedical Engineering, 2019, 35, e3245.	1.0	6
27	Multi-Scale Prediction Network for Lung Segmentation. , 2019, , .		10
28	A Radiomic feature‐based Nipple Detection Algorithm on Digital Mammography. Medical Physics, 2019, 46, 4381-4391.	1.6	1
29	An Adaptive Region Growing Based on Neutrosophic Set in Ultrasound Domain for Image Segmentation. IEEE Access, 2019, 7, 60584-60593.	2.6	9
30	Extension of the virtual electric field model using bilateral-like filter for active contours. Signal, Image and Video Processing, 2019, 13, 1131-1139.	1.7	11
31	Pretreatment MRI radiomics analysis allows for reliable prediction of local recurrence in non-metastatic T4 nasopharyngeal carcinoma. EBioMedicine, 2019, 42, 270-280.	2.7	49
32	Automated pectoral muscle identification on <scp>MLO</scp>‐view mammograms: Comparison of deep neural network to conventional computer vision. Medical Physics, 2019, 46, 2103-2114.	1.6	10
33	U‐Net based deep learning bladder segmentation in <scp>CT</scp> urography. Medical Physics, 2019, 46, 1752-1765.	1.6	50
34	Fetal Heart Baseline Extraction And Classification based on Deep Learning. , 2019, , .		10
35	Synthesizing mammogram from digital breast tomosynthesis. Physics in Medicine and Biology, 2019, 64, 045011.	1.6	9
36	Synthesize Mammogram from Digital Breast Tomosynthesis with Gradient Guided cGANs. Lecture Notes in Computer Science, 2019, , 801-809.	1.0	10

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37	Delineation of Neck Clinical Target Volume Specific to Nasopharyngeal Carcinoma Based on Lymph Node Distribution and the International Consensus Guidelines. International Journal of Radiation Oncology Biology Physics, 2018, 100, 891-902.	0.4	31
38	Joint segmenting and tracking densely packed cells using dynamic-GVF based snakes. , 2018, , .		1
39	A topic-based cross-language retrieval model with PLSA and TF-IDF. , 2018, , .		5
40	Model&Motion based Shape Tracking in Large-Scale Cellular Datasets. , 2018, , .		0
41	Iodine and freeze-drying enhanced high-resolution MicroCT imaging for reconstructing 3D intraneural topography of human peripheral nerve fascicles. Journal of Neuroscience Methods, 2017, 287, 58-67.	1.3	27
42	Accuracy of MR Imaging and MR Spectroscopy for Detection and Quantification of Hepatic Steatosis in Living Liver Donors: A Meta-Analysis. Radiology, 2017, 282, 92-102.	3.6	33
43	An automatic visible watermark removal technique using image inpainting algorithms. , 2017, , .		14
44	Detection of human movement intention based on a multilayer feed-forward neural network with dictionary learning. , 2017, , .		1
45	Consistency mapping of 16 lymph node stations in gastric cancer by CT-based vessel-guided delineation of 255 patients. Oncotarget, 2017, 8, 41465-41473.	0.8	5
46	A novel three-dimensional smile analysis based on dynamic evaluation of facial curve contour. Scientific Reports, 2016, 6, 22103.	1.6	9
47	Multiscale bilateral filtering for improving image quality in digital breast tomosynthesis. Medical Physics, 2015, 42, 182-195.	1.6	20
48	Outcomes of Technical Variant Liver Transplantation versus Whole Liver Transplantation for Pediatric Patients: A Meta-Analysis. PLoS ONE, 2015, 10, e0138202.	1.1	20
49	Changes in short‐chain acyl‐coA dehydrogenase during rat cardiac development and stress. Journal of Cellular and Molecular Medicine, 2015, 19, 1672-1688.	1.6	12
50	Computer‐aided detection of clustered microcalcifications in multiscale bilateral filtering regularized reconstructed digital breast tomosynthesis volume. Medical Physics, 2014, 41, 021901.	1.6	25
51	Multichannel response analysis on 2D projection views for detection of clustered microcalcifications in digital breast tomosynthesis. Medical Physics, 2014, 41, 041913.	1.6	17
52	A diffusion-based truncated projection artifact reduction method for iterative digital breast tomosynthesis reconstruction. Physics in Medicine and Biology, 2013, 58, 569-587.	1.6	15
53	Organ transplantation is getting back its "true" luster in China. Hepatobiliary Surgery and Nutrition, 2013, 2, 304-6.	0.7	0
54	Image quality of microcalcifications in digital breast tomosynthesis: Effects of projection-view distributions. Medical Physics, 2011, 38, 5703-5712.	1.6	33

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55	Selectiveâ€diffusion regularization for enhancement of microcalcifications in digital breast tomosynthesis reconstruction. Medical Physics, 2010, 37, 6003-6014.	1.6	35
56	The Role of Imaging in the Detection and Management of COVID-19: A Review. , 0, .		1