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	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
2	Uâ€Net based deep learning bladder segmentation in <scp>CT</scp> urography. Medical Physics, 2019, 46, 1752-1765.	1.6	50
3	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
4	MedSRGAN: medical images super-resolution using generative adversarial networks. Multimedia Tools and Applications, 2020, 79, 21815-21840.	2.6	44
5	Selectiveâ€diffusion regularization for enhancement of microcalcifications in digital breast tomosynthesis reconstruction. Medical Physics, 2010, 37, 6003-6014.	1.6	35
6	Image quality of microcalcifications in digital breast tomosynthesis: Effects of projection-view distributions. Medical Physics, 2011, 38, 5703-5712.	1.6	33
7	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
8	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
9	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
10	Computerâ€aided detection of clustered microcalcifications in multiscale bilateral filtering regularized reconstructed digital breast tomosynthesis volume. Medical Physics, 2014, 41, 021901.	1.6	25
11	Multiscale bilateral filtering for improving image quality in digital breast tomosynthesis. Medical Physics, 2015, 42, 182-195.	1.6	20
12	Outcomes of Technical Variant Liver Transplantation versus Whole Liver Transplantation for Pediatric Patients: A Meta-Analysis. PLoS ONE, 2015, 10, e0138202.	1.1	20
13	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
14	An Artificial Intelligence Model Based on ACR TI-RADS Characteristics for US Diagnosis of Thyroid Nodules. Radiology, 2022, 303, 613-619.	3.6	18
15	Multichannel response analysis on 2D projection views for detection of clustered microcalcifications in digital breast tomosynthesis. Medical Physics, 2014, 41, 041913.	1.6	17
16	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
17	A Survey on Artificial Intelligence in Chest Imaging of COVID-19. BIO Integration, 2020, 1, .	0.9	15
18	An automatic visible watermark removal technique using image inpainting algorithms. , 2017, , .		14

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19	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
20	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
21	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
22	Multi-Scale Prediction Network for Lung Segmentation. , 2019, , .		10
23	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
24	Fetal Heart Baseline Extraction And Classification based on Deep Learning. , 2019, , .		10
25	Synthesize Mammogram from Digital Breast Tomosynthesis with Gradient Guided cGANs. Lecture Notes in Computer Science, 2019, , 801-809.	1.0	10
26	A novel three-dimensional smile analysis based on dynamic evaluation of facial curve contour. Scientific Reports, 2016, 6, 22103.	1.6	9
27	An Adaptive Region Growing Based on Neutrosophic Set in Ultrasound Domain for Image Segmentation. IEEE Access, 2019, 7, 60584-60593.	2.6	9
28	Synthesizing mammogram from digital breast tomosynthesis. Physics in Medicine and Biology, 2019, 64, 045011.	1.6	9
29	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
30	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
31	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
32	A topic-based cross-language retrieval model with PLSA and TF-IDF. , 2018, , .		5
33	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
34	Tracking-based deep learning method for temporomandibular joint segmentation. Annals of Translational Medicine, 2021, 9, 467-467.	0.7	5
35	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
36	W-net. , 2020, , .		5

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37	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
38	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
39	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
40	Multimodal fusion diagnosis of depression and anxiety based on face video. , 2021, , .		3
41	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
42	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
43	Deep Hierarchical Multiple Instance Learning for Whole Slide Image Classification. , 2022, , .		2
44	Detection of human movement intention based on a multilayer feed-forward neural network with dictionary learning. , 2017, , .		1
45	Joint segmenting and tracking densely packed cells using dynamic-GVF based snakes. , 2018, , .		1
46	A Radiomic featureâ€"based Nipple Detection Algorithm on Digital Mammography. Medical Physics, 2019, 46, 4381-4391.	1.6	1
47	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
48	The Role of Imaging in the Detection and Management of COVID-19: A Review. , 0, .		1
49	An Epileptic Seizure Prediction Model based on a Simulation Block and a Pretrained ResNet. , 2020, , .		1
50	The uncertainty of boundary can improve the classification accuracy of BIâ€RADS 4A ultrasound image. Medical Physics, 2022, 49, 3314-3324.	1.6	1
51	Multiple Instance Learning with Task-Specific Multi-Level Features for Weakly Annotated Histopathological Image Classification. , 2022, , .		1
52	A Total Fractional-Order Variation Regularized Reconstruction Method for CT. Mathematical Problems in Engineering, 2020, 2020, 1-9.	0.6	0
53	Model&Motion based Shape Tracking in Large-Scale Cellular Datasets. , 2018, , .		0
54	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

#	Article	IF	Citations
55	Organ transplantation is getting back its "true" luster in China. Hepatobiliary Surgery and Nutrition, 2013, 2, 304-6.	0.7	0
56	An Integral-equation-oriented Vectorized SpMV Algorithm and its Application on CT Imaging Reconstruction. , 2022, , .		0