Huiyan Jiang

List of Publications by Year
in descending order

49 papers	726 citations	516710 16 h-index	610901 24 g-index
50 all docs	50 docs citations	50 times ranked	871 citing authors

#	ARTICLE	IF	CITATIONS
1	AHCNet: An Application of Attention Mechanism and Hybrid Connection for Liver Tumor Segmentation in CT Volumes. IEEE Access, 2019, 7, 24898-24909.	4.2	96
2	Joint multiple fully connected convolutional neural network with extreme learning machine for hepatocellular carcinoma nuclei grading. Computers in Biology and Medicine, 2017, 84, 156-167.	7.0	53
3	An effective computer aided diagnosis model for pancreas cancer on PET/CT images. Computer Methods and Programs in Biomedicine, 2018, 165, 205-214.	4.7	52
4	Segmentation of liver and spleen based on computational anatomy models. Computers in Biology and Medicine, 2015, 67, 146-160.	7.0	43
5	Liver Tumor Segmentation Based on Multi-Scale Candidate Generation and Fractal Residual Network. IEEE Access, 2019, 7, 82122-82133.	4.2	40
6	Two stage residual CNN for texture denoising and structure enhancement on low dose CT image. Computer Methods and Programs in Biomedicine, 2020, 184, 105115.	4.7	29
7	DenseX-Net: An End-to-End Model for Lymphoma Segmentation in Whole-Body PET/CT Images. IEEE Access, 2020, 8, 8004-8018.	4.2	28
8	NHL Pathological Image Classification Based on Hierarchical Local Information and GoogLeNet-Based Representations. BioMed Research International, 2019, 2019, 1-13.	1.9	24
9	Deep learning techniques for tumor segmentation: a review. Journal of Supercomputing, 2022, 78, 1807-1851.	3.6	22
10	A Stacked Generalization U-shape network based on zoom strategy and its application in biomedical image segmentation. Computer Methods and Programs in Biomedicine, 2020, 197, 105678.	4.7	22
11	An Alzheimers disease related genes identification method based on multiple classifier integration. Computer Methods and Programs in Biomedicine, 2017, 150, 107-115.	4.7	21
12	Medical Image Compression Based on Vector Quantization with Variable Block Sizes in Wavelet Domain. Computational Intelligence and Neuroscience, 2012, 2012, 1-8.	1.7	19
13	C^2MA-Net: Cross-Modal Cross-Attention Network for Acute Ischemic Stroke Lesion Segmentation Based on CT Perfusion Scans. IEEE Transactions on Biomedical Engineering, 2022, 69, 108-118.	4.2	18
14	A Novel Multiinstance Learning Approach for Liver Cancer Recognition on Abdominal CT Images Based on CPSO-SVM and IO. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-10.	1.3	17
15	A Region Growing Vessel Segmentation Algorithm Based on Spectrum Information. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-9.	1.3	17
16	A Novel Hepatocellular Carcinoma Image Classification Method Based on Voting Ranking Random Forests. Computational and Mathematical Methods in Medicine, 2016, 2016, 1-8.	1.3	16
17	Construction of Pancreatic Cancer Classifier Based on SVM Optimized by Improved FOA. BioMed Research International, 2015, 2015, 1-12.	1.9	12
18	HD-RDS-UNet: Leveraging Spatial-Temporal Correlation Between the Decoder Feature Maps for Lymphoma Segmentation. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 1116-1127.	6.3	12

#	Article	IF	Citations
19	Level set based on signed pressure force function and its application in liver image segmentation. Wuhan University Journal of Natural Sciences, 2011, 16, 265-270.	0.4	11
20	Sparse Contribution Feature Selection and Classifiers Optimized by Concave-Convex Variation for HCC Image Recognition. BioMed Research International, 2017, 2017, 1-14.	1.9	11
21	EFNet: evidence fusion network for tumor segmentation from PET-CT volumes. Physics in Medicine and Biology, 2021, 66, 205005.	3.0	11
22	Liver Segmentation Based on Snakes Model and Improved GrowCut Algorithm in Abdominal CT Image. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-12.	1.3	10
23	Structure convolutional extreme learning machine and case-based shape template for HCC nucleus segmentation. Neurocomputing, 2018, 312, 9-26.	5.9	10
24	Stacked sparse autoencoder and case-based postprocessing method for nucleus detection. Neurocomputing, 2019, 359, 494-508.	5.9	10
25	Unsupervised 3D PET-CT Image Registration Method Using a Metabolic Constraint Function and a Multi-Domain Similarity Measure. IEEE Access, 2020, 8, 63077-63089.	4.2	10
26	A Multiorgan Segmentation Model for CT Volumes via Full Convolution-Deconvolution Network. BioMed Research International, 2017, 2017, 1-9.	1.9	9
27	Organ Location Determination and Contour Sparse Representation for Multiorgan Segmentation. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 852-861.	6.3	9
28	An Optimized Registration Method Based on Distribution Similarity and DVF Smoothness for 3D PET and CT Images. IEEE Access, 2020, 8, 1135-1145.	4.2	9
29	AW-SDRLSE: Adaptive Weighting and Scalable Distance Regularized Level Set Evolution for Lymphoma Segmentation on PET Images. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1173-1184.	6.3	8
30	A unified uncertainty network for tumor segmentation using uncertainty cross entropy loss and prototype similarity. Knowledge-Based Systems, 2022, 246, 108739.	7.1	8
31	The Hybrid Feature Selection Algorithm Based on Maximum Minimum Backward Selection Search Strategy for Liver Tissue Pathological Image Classification. Computational and Mathematical Methods in Medicine, 2016, 2016, 1-9.	1.3	7
32	Registration-Based Organ Positioning and Joint Segmentation Method for Liver and Tumor Segmentation. BioMed Research International, 2018, 2018, 1-11.	1.9	7
33	A Hybrid Method for Pancreas Extraction from CT Image Based on Level Set Methods. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-13.	1.3	6
34	A Novel Fusion Framework Based on Adaptive PCNN in NSCT Domain for Whole-Body PET and CT Images. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-9.	1.3	6
35	A Novel Multispace Image Reconstruction Method for Pathological Image Classification Based on Structural Information. BioMed Research International, 2019, 2019, 1-9.	1.9	6
36	Multi-stage puncture path planning algorithm of ablation needles for percutaneous radiofrequency ablation of liver tumors. Computers in Biology and Medicine, 2022, 145, 105506.	7.0	6

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37	The Research of Feature Extraction Method of Liver Pathological Image Based on Multispatial Mapping and Statistical Properties. Computational and Mathematical Methods in Medicine, 2016, 2016, 1-8.	1.3	5
38	Parallel â€˜same'â€™ and â€˜valid'â€™ convolutional block and input-collaboration strategy for histopathological image classification. Applied Soft Computing Journal, 2022, 117, 108417.	7.2	5
39	Construction of Classifier Based on MPCA and QSA and Its Application on Classification of Pancreatic Diseases. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-7.	1.3	4
40	A Registration Method Based on Contour Point Cloud for 3D Whole-Body PET and CT Images. BioMed Research International, 2017, 2017, 1-11.	1.9	4
41	A Priori Knowledge and Probability Density Based Segmentation Method for Medical CT Image Sequences. BioMed Research International, 2014, 2014, 1-11.	1.9	3
42	An Effective Multi-classification Method for NHL Pathological Images. , 2018, , .		3
43	HDR Pathological Image Enhancement Based on Improved Bias Field Correction and Guided Image Filter. BioMed Research International, 2016, 2016, 1-11.	1.9	2
44	Improving the fidelity of CT image colorization based on pseudo-intensity model and tumor metabolism enhancement. Computers in Biology and Medicine, 2021, 138, 104885.	7.0	2
45	Computational Intelligence in Biomedical Science and Engineering. Computational Intelligence and Neuroscience, 2012, 2012, 1-2.	1.7	1
46	Shape and Boundary Similarity Features for Accurate HCC Image Recognition. BioMed Research International, 2017, 2017, 1-12.	1.9	1
47	Statistical Fractal Models Based on GND-PCA and Its Application on Classification of Liver Diseases. BioMed Research International, 2013, 2013, 1-8.	1.9	0
48	Abdominal Organs Segmentation Based on Multi-path Fully Convolutional Network and Random Forests. Smart Innovation, Systems and Technologies, 2019, , 208-215.	0.6	0
49	An Unsupervised Registration Method for Brain Images Based on Contour Guidance. , 2021, , .		0