Jun Shi

List of Publications by Year
in descending order

87 papers	3,133 citations	236612 25 h-index	168136 53 g-index
94 all docs	94 docs citations	94 times ranked	4215 citing authors

#	Article	IF	Citations
1	Diagnosis of Infantile Hip Dysplasia With B-Mode Ultrasound via Two-Stage Meta-Learning Based Deep Exclusivity Regularized Machine. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 334-344.	3.9	4
2	Uncertainty Modeling for Multicenter Autism Spectrum Disorder Classification Using Takagi–Sugeno–Kang Fuzzy Systems. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 730-739.	2.6	32
3	Manifold-Regularized Multitask Fuzzy System Modeling With Low-Rank and Sparse Structures in Consequent Parameters. IEEE Transactions on Fuzzy Systems, 2022, 30, 1486-1500.	6.5	4
4	Multi-Class ASD Classification via Label Distribution Learning with Class-Shared and Class-Specific Decomposition. Medical Image Analysis, 2022, 75, 102294.	7.0	9
5	Self-Supervised Bi-Channel Transformer Networks for Computer-Aided Diagnosis. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 3435-3446.	3.9	7
6	A Convolutional Neural Network and Graph Convolutional Network Based Framework for Classification of Breast Histopathological Images. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 3163-3173.	3.9	15
7	A Channel Attention Based MLP-Mixer Network for Motor Imagery Decoding With EEG. , 2022, , .		7
8	Joint Localization and Classification of Breast Cancer in B-Mode Ultrasound Imaging via Collaborative Learning With Elastography. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 4474-4485.	3.9	8
9	Review of Artificial Intelligence Techniques in Imaging Data Acquisition, Segmentation, and Diagnosis for COVID-19. IEEE Reviews in Biomedical Engineering, 2021, 14, 4-15.	13.1	894
10	COVID-AL: The diagnosis of COVID-19 with deep active learning. Medical Image Analysis, 2021, 68, 101913.	7.0	84
11	Two-Stage Self-supervised Cycle-Consistency Network for Reconstruction of Thin-Slice MR Images. Lecture Notes in Computer Science, 2021, , 3-12.	1.0	10
12	Reconstruction Of Quantitative Susceptibility Maps From Phase Of Susceptibility Weighted Imaging With Cross-Connected Î³-Net. , 2021, , .		1
13	Lightweight adaptive weighted network for single image super-resolution. Computer Vision and Image Understanding, 2021, 211, 103254.	3.0	10
14	Doubly supervised parameter transfer classifier for diagnosis of breast cancer with imbalanced ultrasound imaging modalities. Pattern Recognition, 2021, 120, 108139.	5.1	15
15	Tensor Gradient Lâ‚€-Norm Minimization-Based Low-Dose CT and Its Application to COVID-19. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	2.4	4
16	Multi-Source Transfer Learning Via Multi-Kernel Support Vector Machine Plus for B-Mode Ultrasound-Based Computer-Aided Diagnosis of Liver Cancers. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3874-3885.	3.9	23
17	Meta-Learning Based Interactively Connected Clique U-Net for Quantitative Susceptibility Mapping. IEEE Transactions on Computational Imaging, 2021, 7, 1385-1399.	2.6	3
18	Review and Prospect: Artificial Intelligence in Advanced Medical Imaging. Frontiers in Radiology, 2021, 1, .	1.2	37

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19	An Improved Deep Polynomial Network Algorithm for Transcranial Sonography–Based Diagnosis of Parkinson's Disease. Cognitive Computation, 2020, 12, 553-562.	3.6	12
20	Projective parameter transfer based sparse multiple empirical kernel learning Machine for diagnosis of brain disease. Neurocomputing, 2020, 413, 271-283.	3.5	45
21	Parameter Transfer Deep Neural Network for Single-Modal B-Mode Ultrasound-Based Computer-Aided Diagnosis. Cognitive Computation, 2020, 12, 1252-1264.	3.6	11
22	BI-Modal Ultrasound Breast Cancer Diagnosis Via Multi-View Deep Neural Network SVM. , 2020, , .		7
23	Multi-Class ASD Classification Based on Functional Connectivity and Functional Correlation Tensor via Multi-Source Domain Adaptation and Multi-View Sparse Representation. IEEE Transactions on Medical Imaging, 2020, 39, 3137-3147.	5.4	44
24	MR Image Super-Resolution via Wide Residual Networks With Fixed Skip Connection. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1129-1140.	3.9	81
25	Ultrasound-Based Diagnosis of Breast Tumor with Parameter Transfer Multilayer Kernel Extreme Learning Machine. , 2019, 2019, 933-936.		5
26	Learning using privileged information improves neuroimaging-based CAD of Alzheimer's disease: a comparative study. Medical and Biological Engineering and Computing, 2019, 57, 1605-1616.	1.6	20
27	3D Convolutional Networks Based Automatic Diagnosis of Alzheimer's Disease Using Structural MRI. , 2019, , .		2
28	Analyzing brain structural differences associated with categories of blood pressure in adults using empirical kernel mapping-based kernel ELM+. BioMedical Engineering OnLine, 2019, 18, 124.	1.3	3
29	Cascaded Multi-Column RVFL+ Classifier for Single-Modal Neuroimaging-Based Diagnosis of Parkinson's Disease. IEEE Transactions on Biomedical Engineering, 2019, 66, 2362-2371.	2.5	51
30	Quaternion Grassmann average network for learning representation of histopathological image. Pattern Recognition, 2019, 89, 67-76.	5.1	24
31	Dual-mode artificially-intelligent diagnosis of breast tumours in shear-wave elastography and B-mode ultrasound using deep polynomial networks. Medical Engineering and Physics, 2019, 64, 1-6.	0.8	34
32	A Two-Stage Multi-loss Super-Resolution Network for Arterial Spin Labeling Magnetic Resonance Imaging. Lecture Notes in Computer Science, 2019, , 12-20.	1.0	11
33	Impact of region of interest size on transcranial sonography based computer-aided diagnosis for Parkinson's disease. Mathematical Biosciences and Engineering, 2019, 16, 5640-5651.	1.0	4
34	A two-stage multi-view learning framework based computer-aided diagnosis of liver tumors with contrast enhanced ultrasound images. Clinical Hemorheology and Microcirculation, 2018, 69, 343-354.	0.9	74
35	Super-resolution reconstruction of MR image with a novel residual learning network algorithm. Physics in Medicine and Biology, 2018, 63, 085011.	1.6	88
36	Multimodal Neuroimaging Feature Learning With Multimodal Stacked Deep Polynomial Networks for Diagnosis of Alzheimer's Disease. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 173-183.	3.9	319

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37	Neuroimaging-based diagnosis of Parkinson's disease with deep neural mapping large margin distribution machine. Neurocomputing, 2018, 320, 141-149.	3.5	28
38	Aberrant Neural Activity in Patients With Bipolar Depressive Disorder Distinguishing to the Unipolar Depressive Disorder: A Resting-State Functional Magnetic Resonance Imaging Study. Frontiers in Psychiatry, 2018, 9, 238.	1.3	28
39	Ultrasound Image Based Tumor Classification via Deep Polynomial Network and Multiple Kernel Learning. Current Medical Imaging, 2018, 14, 301-308.	0.4	7
40	Sonoelastomics for Breast Tumor Classification: A Radiomics Approach with Clustering-Based Feature Selection on Sonoelastography. Ultrasound in Medicine and Biology, 2017, 43, 1058-1069.	0.7	89
41	Manifold Preserving: An Intrinsic Approach for Semisupervised Distance Metric Learning. IEEE Transactions on Neural Networks and Learning Systems, 2017, 29, 1-12.	7.2	29
42	Dual-modal computer-assisted evaluation of axillary lymph node metastasis in breast cancer patients on both real-time elastography and B-mode ultrasound. European Journal of Radiology, 2017, 95, 66-74.	1.2	32
43	Elevated hardness of peripheral gland on real-time elastography is an independent marker for high-risk prostate cancers. Radiologia Medica, 2017, 122, 944-951.	4.7	2
44	Improving MRI-based diagnosis of Alzheimer's disease via an ensemble privileged information learning algorithm. , 2017, , .		16
45	Evaluating pathologic response of breast cancer to neoadjuvant chemotherapy with computer-extracted features from contrast-enhanced ultrasound videos. Physica Medica, 2017, 39, 156-163.	0.4	8
46	Histopathological Image Classification With Color Pattern Random Binary Hashing-Based PCANet and Matrix-Form Classifier. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 1327-1337.	3.9	57
47	Sonoelastography shows that Achilles tendons with insertional tendinopathy are harder than asymptomatic tendons. Knee Surgery, Sports Traumatology, Arthroscopy, 2017, 25, 1839-1848.	2.3	15
48	Histopathological image classification using random binary hashing based PCANet and bilinear classifier. , 2016, , .		8
49	Deep learning based classification of breast tumors with shear-wave elastography. Ultrasonics, 2016, 72, 150-157.	2.1	181
50	Multi-modality stacked deep polynomial network based feature learning for Alzheimer's disease diagnosis. , 2016, , .		17
51	Stacked deep polynomial network based representation learning for tumor classification with small ultrasound image dataset. Neurocomputing, 2016, 194, 87-94.	3.5	141
52	Improving Single-Modal Neuroimaging Based Diagnosis of Brain Disorders via Boosted Privileged Information Learning Framework. Lecture Notes in Computer Science, 2016, , 95-103.	1.0	7
53	Sparse kernel entropy component analysis for dimensionality reduction of biomedical data. Neurocomputing, 2015, 168, 930-940.	3.5	30
54	Multi-channel EEG-based sleep stage classification with joint collaborative representation and multiple kernel learning. Journal of Neuroscience Methods, 2015, 254, 94-101.	1.3	36

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55	Quantification of carotid plaque elasticity and intraplaque neovascularization using contrast-enhanced ultrasound and image registration-based elastography. Ultrasonics, 2015, 62, 253-262.	2.1	22
56	Joint sparse coding based spatial pyramid matching for classification of color medical image. Computerized Medical Imaging and Graphics, 2015, 41, 61-66.	3.5	17
57	Co-training based semi-supervised classification of Alzheimer's disease. , 2014, , .		3
58	Hessian regularization based semi-supervised dimensionality reduction for neuroimaging data of Alzheimer's disease. , 2014, , .		1
59	SEMG-based hand motion recognition using cumulative residual entropy and extreme learning machine. Medical and Biological Engineering and Computing, 2013, 51, 417-427.	1.6	49
60	Shearlet-based texture feature extraction for classification of breast tumor in ultrasound image. Biomedical Signal Processing and Control, 2013, 8, 688-696.	3.5	99
61	Shearlet-Based Ultrasound Texture Features for Classification of Breast Tumor. , 2013, , .		1
62	Recognition of Finger Flexion Motion from Ultrasound Image: A Feasibility Study. Ultrasound in Medicine and Biology, 2012, 38, 1695-1704.	0.7	50
63	Characterization of surface EMG with cumulative residual entropy. , 2012, , .		0
64	Estimation of muscle pennation angle in ultrasound images using the beamlet transform. Journal of Shanghai University, 2010, 14, 34-38.	0.1	2
65	A Mobile Monitoring System of Blood Pressure for Underserved in China by Information and Communication Technology Service. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 748-757.	3.6	12
66	Fatigue-Induced Continuous Changes in Muscle Pennation Angle during Isometric Contraction. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	1
67	Recognition of Finger Flexion from Ultrasound Image with Optical Flow: A Preliminary Study. , 2010, , .		21
68	Feasibility of controlling prosthetic hand using sonomyography signal in real time: Preliminary study. Journal of Rehabilitation Research and Development, 2010, 47, 87.	1.6	35
69	A New Approach to Estimation of Muscle Pennation Angle in Ultrasound Image. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	0
70	Image Segmentation with Simplified PCNN. , 2009, , .		4
71	Modeling the relationship between wrist angle and muscle thickness during wrist flexionâ€"extension based on the boneâ€"muscle lever system: A comparison study. Medical Engineering and Physics, 2009, 31, 1255-1260.	0.8	15
72	Automatic Image Segmentation Algorithm Based on PCNN and Fuzzy Mutual Information. , 2009, , .		15

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73	A New 3D Segmentation Algorithm Based on 3D PCNN for Lung CT Slices. , 2009, , .		4
74	A stereoscopic enhancement algorithm based on monocular image. , 2008, , .		0
75	Design of wireless mobile monitoring of blood pressure for underserved in China by using short messaging service. , 2008, , .		6
76	Modeling the relation between muscle thickness and wrist angle based on bone-muscle lever model. , 2008, 2008, 887-90.		0
77	SVM for Estimation of Wrist Angle from Sonomyography And SEMG Signals. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 4806-9.	0.5	8
78	A Pilot Study of The SMG Controlled Prosthesis. , 2007, , .		3
79	The Design of Community EHR System Based on PDA. , 2007, , .		0
80	The Relationship between SEMG and Change in Pennation Angle of Brachialis. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 4802-5.	0.5	5
81	A New Design for Ultrasonic Gas Flowmeter. , 2006, , .		2
82	Preliminary Study of Skeletal Muscle with Multi-signals during Isometric Contraction. , 2006, 2006, 5080-3.		4
83	Application of the Neural Network in the Study of Skeletal Muscle with Multi-parameters. , 2006, , .		0
84	Evaluation of the Muscle Fatigue Based on Ultrasound Images. , 2006, , .		2
85	The Design of Medical Assistant System for Ward Doctors. , 2006, , .		8
86	Prediction of Wrist Angle from Sonomyography Signals with Artificial Neural Networks Technique. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
87	Preliminary Study of Skeletal Muscle with Multi-signals during Isometric Contraction. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0