

Shui-Hua Wang

List of Publications by Year in descending order

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Version: 2024-02-01

240
papers

12,589
citations

21215

62
h-index

36203

101
g-index

245
all docs

245
docs citations

245
times ranked

8282
citing authors

#	ARTICLE	IF	CITATIONS
1	Module partitioning for multilayer brain functional network using weighted clustering ensemble. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 5343-5353.	3.3	6
2	Extraction and analysis of brain functional statuses for early mild cognitive impairment using variational auto-encoder. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 5439-5450.	3.3	15
3	Diagnosis of cerebral microbleed via VGG and extreme learning machine trained by Gaussian map bat algorithm. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 5395-5406.	3.3	13
4	Structured analysis dictionary learning based on discriminative Fisher pair. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 5647-5664.	3.3	4
5	Multi-Modal Non-Euclidean Brain Network Analysis With Community Detection and Convolutional Autoencoder. IEEE Transactions on Emerging Topics in Computational Intelligence, 2023, 7, 436-446.	3.4	5
6	A Secure Face Recognition for IoT-enabled Healthcare System. ACM Transactions on Sensor Networks, 2023, 19, 1-23.	2.3	9
7	FSNet: Dual Interpretable Graph Convolutional Network for Alzheimer's Disease Analysis. IEEE Transactions on Emerging Topics in Computational Intelligence, 2023, 7, 15-25.	3.4	4
8	A Seven-Layer Convolutional Neural Network for Chest CT-Based COVID-19 Diagnosis Using Stochastic Pooling. IEEE Sensors Journal, 2022, 22, 17573-17582.	2.4	56
9	AVNC: Attention-Based VGG-Style Network for COVID-19 Diagnosis by CBAM. IEEE Sensors Journal, 2022, 22, 17431-17438.	2.4	74
10	CMB-net: a deep convolutional neural network for diagnosis of cerebral microbleeds. Multimedia Tools and Applications, 2022, 81, 19195-19214.	2.6	2
11	Fruit category classification by fractional Fourier entropy with rotation angle vector grid and stacked sparse autoencoder. Expert Systems, 2022, 39, .	2.9	15
12	A review on extreme learning machine. Multimedia Tools and Applications, 2022, 81, 41611-41660.	2.6	143
13	A weighted least squares optimisation strategy for medical image super resolution via multiscale convolutional neural networks for healthcare applications. Complex & Intelligent Systems, 2022, 8, 3089-3104.	4.0	11
14	A deep network designed for segmentation and classification of leukemia using fusion of the transfer learning models. Complex & Intelligent Systems, 2022, 8, 3105-3120.	4.0	33
15	A systematic survey of deep learning in breast cancer. International Journal of Intelligent Systems, 2022, 37, 152-216.	3.3	29
16	NAGNN: Classification of COVID-19 based on neighboring aware representation from deep graph neural network. International Journal of Intelligent Systems, 2022, 37, 1572-1598.	3.3	107
17	Diagnosis of COVID-19 Pneumonia via a Novel Deep Learning Architecture. Journal of Computer Science and Technology, 2022, 37, 330-343.	0.9	43
18	An efficient medical image super resolution based on piecewise linear regression strategy using domain transform filtering. Concurrency Computation Practice and Experience, 2022, 34, e6644.	1.4	4

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19	TBNet: a context-aware graph network for tuberculosis diagnosis. Computer Methods and Programs in Biomedicine, 2022, 214, 106587.	2.6	20
20	Breast microscopic cancer segmentation and classification using unique 4-qubit quantum model. Microscopy Research and Technique, 2022, 85, 1926-1936.	1.2	20
21	Secondary Pulmonary Tuberculosis Identification Via pseudo-Zernike Moment and Deep Stacked Sparse Autoencoder. Journal of Grid Computing, 2022, 20, 1.	2.5	14
22	TSRNet: Diagnosis of COVID-19 based on self-supervised learning and hybrid ensemble model. Computers in Biology and Medicine, 2022, 146, 105531.	3.9	4
23	Agnostic multimodal brain anomalies detection using a novel single-structured framework for better patient diagnosis and therapeutic planning in clinical oncology. Biomedical Signal Processing and Control, 2022, 77, 103786.	3.5	11
24	RDNet: ResNet-18 with Dropout for Blood Cell Classification. Lecture Notes in Computer Science, 2022, , 136-144.	1.0	2
25	Dynamic Transfer Exemplar based Facial Emotion Recognition Model Toward Online Video. ACM Transactions on Multimedia Computing, Communications and Applications, 2022, 18, 1-17.	3.0	2
26	Mitigating Threshold Effects in Human Control by Stochastic Resonance With Fractional Colored Noise. IEEE/ASME Transactions on Mechatronics, 2022, , 1-9.	3.7	2
27	Subject-Independent Emotion Recognition of EEG Signals Based on Dynamic Empirical Convolutional Neural Network. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 1710-1721.	1.9	48
28	Mixing Patterns in Social Trust Networks: A Social Identity Theory Perspective. IEEE Transactions on Computational Social Systems, 2021, 8, 1249-1261.	3.2	7
29	Detection of abnormal brain in MRI via improved AlexNet and ELM optimized by chaotic bat algorithm. Neural Computing and Applications, 2021, 33, 10799-10811.	3.2	162
30	A Heuristic Neural Network Structure Relying on Fuzzy Logic for Images Scoring. IEEE Transactions on Fuzzy Systems, 2021, 29, 34-45.	6.5	46
31	CGNet: A graph-knowledge embedded convolutional neural network for detection of pneumonia. Information Processing and Management, 2021, 58, 102411.	5.4	62
32	Covid-19 classification by FGCNet with deep feature fusion from graph convolutional network and convolutional neural network. Information Fusion, 2021, 67, 208-229.	11.7	245
33	Improving ductal carcinoma in situ classification by convolutional neural network with exponential linear unit and rank-based weighted pooling. Complex & Intelligent Systems, 2021, 7, 1295-1310.	4.0	26
34	When Visual Disparity Generation Meets Semantic Segmentation: A Mutual Encouragement Approach. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1853-1867.	4.7	10
35	Synthesizing Multi-Contrast MR Images Via Novel 3D Conditional Variational Auto-Encoding GAN. Mobile Networks and Applications, 2021, 26, 415-424.	2.2	17
36	IEEE Access Special Section Editorial: Emerging Deep Learning Theories and Methods for Biomedical Engineering. IEEE Access, 2021, 9, 74038-74043.	2.6	0

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37	COVID-19 Diagnosis via DenseNet and Optimization of Transfer Learning Setting. Cognitive Computation, 2021, , 1-17.	3.6	41
38	PSSPNN: PatchShuffle Stochastic Pooling Neural Network for an Explainable Diagnosis of COVID-19 with Multiple-Way Data Augmentation. Computational and Mathematical Methods in Medicine, 2021, 1-18.	0.7	44
39	Constructing Dynamic Brain Functional Networks via Hyper-Graph Manifold Regularization for Mild Cognitive Impairment Classification. Frontiers in Neuroscience, 2021, 15, 669345.	1.4	12
40	Deep Fractional Max Pooling Neural Network for COVID-19 Recognition. Frontiers in Public Health, 2021, 9, 726144.	1.3	16
41	ResGNet-C: A graph convolutional neural network for detection of COVID-19. Neurocomputing, 2021, 452, 592-605.	3.5	53
42	Cerebral Microbleed Detection via Convolutional Neural Network and Extreme Learning Machine. Frontiers in Computational Neuroscience, 2021, 15, 738885.	1.2	5
43	Multiple Sclerosis Recognition by Biorthogonal Wavelet Features and Fitness-Scaled Adaptive Genetic Algorithm. Frontiers in Neuroscience, 2021, 15, 737785.	1.4	8
44	CSGBBNet: An Explainable Deep Learning Framework for COVID-19 Detection. Diagnostics, 2021, 11, 1712.	1.3	7
45	MIDCAN: A multiple input deep convolutional attention network for Covid-19 diagnosis based on chest CT and chest X-ray. Pattern Recognition Letters, 2021, 150, 8-16.	2.6	75
46	MFBCNNC: Momentum factor biogeography convolutional neural network for COVID-19 detection via chest X-ray images. Knowledge-Based Systems, 2021, 232, 107494.	4.0	14
47	An Explainable Framework for Diagnosis of COVID-19 Pneumonia via Transfer Learning and Discriminant Correlation Analysis. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-16.	3.0	11
48	Drug-Target Interaction Prediction Based on Multisource Information Weighted Fusion. Contrast Media and Molecular Imaging, 2021, 2021, 1-10.	0.4	7
49	BCNet: A Novel Network for Blood Cell Classification. Frontiers in Cell and Developmental Biology, 2021, 9, 813996.	1.8	18
50	Deep Learning in the Classification of Stage of Liver Fibrosis in Chronic Hepatitis B with Magnetic Resonance ADC Images. Contrast Media and Molecular Imaging, 2021, 2021, 1-9.	0.4	5
51	Classification of cerebral microbleeds based on fully-optimized convolutional neural network. Multimedia Tools and Applications, 2020, 79, 15151-15169.	2.6	19
52	Sensorineural hearing loss identification via nine-layer convolutional neural network with batch normalization and dropout. Multimedia Tools and Applications, 2020, 79, 15135-15150.	2.6	17
53	Alcoholism identification via convolutional neural network based on parametric ReLU, dropout, and batch normalization. Neural Computing and Applications, 2020, 32, 665-680.	3.2	133
54	Cerebral microbleeding identification based on a nine-layer convolutional neural network with stochastic pooling. Concurrency Computation Practice and Experience, 2020, 32, e5130.	1.4	74

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55	Fruit category classification via an eight-layer convolutional neural network with parametric rectified linear unit and dropout technique. <i>Multimedia Tools and Applications</i> , 2020, 79, 15117-15133.	2.6	50
56	Module dividing for brain functional networks by employing betweenness efficiency. <i>Multimedia Tools and Applications</i> , 2020, 79, 15253-15271.	2.6	1
57	Rich club characteristics of dynamic brain functional networks in resting state. <i>Multimedia Tools and Applications</i> , 2020, 79, 15075-15093.	2.6	3
58	Gingivitis identification via multichannel gray-level co-occurrence matrix and particle swarm optimization neural network. <i>International Journal of Imaging Systems and Technology</i> , 2020, 30, 401-411.	2.7	12
59	Discriminative margin-sensitive autoencoder for collective multi-view disease analysis. <i>Neural Networks</i> , 2020, 123, 94-107.	3.3	19
60	Minimum variance-embedded deep kernel regularized least squares method for one-class classification and its applications to biomedical data. <i>Neural Networks</i> , 2020, 123, 191-216.	3.3	19
61	Hearing loss detection by discrete wavelet transform and multi-layer perceptron trained by nature-inspired algorithms. <i>Multimedia Tools and Applications</i> , 2020, 79, 15717-15745.	2.6	5
62	An eight-layer convolutional neural network with stochastic pooling, batch normalization and dropout for fingerspelling recognition of Chinese sign language. <i>Multimedia Tools and Applications</i> , 2020, 79, 15697-15715.	2.6	28
63	A Survey on Artificial Intelligence in Chinese Sign Language Recognition. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 9859-9894.	1.7	25
64	Application of Deep Learning Algorithm in Feature Mining and Rapid Identification of Colorectal Image. <i>IEEE Access</i> , 2020, 8, 128830-128844.	2.6	1
65	MNL-Network: A Multi-Scale Non-local Network for Epilepsy Detection From EEG Signals. <i>Frontiers in Neuroscience</i> , 2020, 14, 870.	1.4	17
66	Brain Age Prediction of Children Using Routine Brain MR Images via Deep Learning. <i>Frontiers in Neurology</i> , 2020, 11, 584682.	1.1	27
67	Advances in multimodal data fusion in neuroimaging: Overview, challenges, and novel orientation. <i>Information Fusion</i> , 2020, 64, 149-187.	11.7	235
68	Longitudinal Electroencephalography Analysis in Subacute Stroke Patients During Intervention of Brain-Computer Interface With Exoskeleton Feedback. <i>Frontiers in Neuroscience</i> , 2020, 14, 809.	1.4	27
69	Myocardial Infarction Detection and Quantification Based on a Convolution Neural Network with Online Error Correction Capabilities. , 2020, , .		4
70	Glomerulus Classification via an Improved GoogLeNet. <i>IEEE Access</i> , 2020, 8, 176916-176923.	2.6	13
71	U-net Based Method for Automatic Hard Exudates Segmentation in Fundus Images Using Inception Module and Residual Connection. <i>IEEE Access</i> , 2020, 8, 167225-167235.	2.6	26
72	StomachNet: Optimal Deep Learning Features Fusion for Stomach Abnormalities Classification. <i>IEEE Access</i> , 2020, 8, 197969-197981.	2.6	73

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73	Three-dimensional reconstruction of CT image features based on multi-threaded deep learning calculation. <i>Pattern Recognition Letters</i> , 2020, 136, 309-315.	2.6	13
74	A Sustainable Deep Learning Framework for Object Recognition Using Multi-Layers Deep Features Fusion and Selection. <i>Sustainability</i> , 2020, 12, 5037.	1.6	105
75	IEEE Access Special Section Editorial: Deep Learning for Computer-Aided Medical Diagnosis. <i>IEEE Access</i> , 2020, 8, 96804-96810.	2.6	1
76	Fingerspelling Identification for Chinese Sign Language via AlexNet-Based Transfer Learning and Adam Optimizer. <i>Scientific Programming</i> , 2020, 2020, 1-13.	0.5	36
77	DenseNet-201-Based Deep Neural Network with Composite Learning Factor and Precomputation for Multiple Sclerosis Classification. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2020, 16, 1-19.	3.0	107
78	Unilateral sensorineural hearing loss identification based on double-density dual-tree complex wavelet transform and multinomial logistic regression. <i>Integrated Computer-Aided Engineering</i> , 2019, 26, 411-426.	2.5	50
79	Liver Semantic Segmentation Algorithm Based on Improved Deep Adversarial Networks in Combination of Weighted Loss Function on Abdominal CT Images. <i>IEEE Access</i> , 2019, 7, 96349-96358.	2.6	88
80	A General Common Spatial Patterns for EEG Analysis With Applications to Vigilance Detection. <i>IEEE Access</i> , 2019, 7, 111102-111114.	2.6	21
81	Abnormality Diagnosis in Mammograms by Transfer Learning Based on ResNet18. <i>Fundamenta Informaticae</i> , 2019, 168, 219-230.	0.3	35
82	A Channel Calibration Algorithm Based on Isolated Scatterers for Multi-Channel HRWS-SAR. <i>IEEE Access</i> , 2019, 7, 135665-135677.	2.6	6
83	A Fast Fractal Based Compression for MRI Images. <i>IEEE Access</i> , 2019, 7, 62412-62420.	2.6	195
84	Teeth category classification via seven-layer deep convolutional neural network with max pooling and global average pooling. <i>International Journal of Imaging Systems and Technology</i> , 2019, 29, 577-583.	2.7	60
85	Multi-Scale Feature Combination of Brain Functional Network for eMCI Classification. <i>IEEE Access</i> , 2019, 7, 74263-74273.	2.6	22
86	Alcoholism Identification Based on an AlexNet Transfer Learning Model. <i>Frontiers in Psychiatry</i> , 2019, 10, 205.	1.3	88
87	Cerebral Micro-Bleeding Detection Based on Densely Connected Neural Network. <i>Frontiers in Neuroscience</i> , 2019, 13, 422.	1.4	61
88	Expression of Concern: A gingivitis identification method based on contrast-limited adaptive histogram equalization, gray-level co-occurrence matrix, and extreme learning machine. <i>International Journal of Imaging Systems and Technology</i> , 2019, 29, 77-82.	2.7	31
89	Improvement of Cerebral Microbleeds Detection Based on Discriminative Feature Learning. <i>Fundamenta Informaticae</i> , 2019, 168, 231-248.	0.3	9
90	Diffusion tensor imaging denoising based on Riemann nonlocal similarity. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019, , 1.	3.3	4

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91	Image based fruit category classification by 13-layer deep convolutional neural network and data augmentation. <i>Multimedia Tools and Applications</i> , 2019, 78, 3613-3632.	2.6	271
92	Five-category classification of pathological brain images based on deep stacked sparse autoencoder. <i>Multimedia Tools and Applications</i> , 2019, 78, 4045-4064.	2.6	44
93	Application of stationary wavelet entropy in pathological brain detection. <i>Multimedia Tools and Applications</i> , 2018, 77, 3701-3714.	2.6	73
94	Ensemble-classifiers-assisted detection of cerebral microbleeds in brain MRI. <i>Computers and Electrical Engineering</i> , 2018, 69, 768-781.	3.0	46
95	Hub recognition for brain functional networks by using multiple-feature combination. <i>Computers and Electrical Engineering</i> , 2018, 69, 740-752.	3.0	11
96	A path planning method using adaptive polymorphic ant colony algorithm for smart wheelchairs. <i>Journal of Computational Science</i> , 2018, 25, 50-57.	1.5	66
97	Alcoholism Detection by Data Augmentation and Convolutional Neural Network with Stochastic Pooling. <i>Journal of Medical Systems</i> , 2018, 42, 2.	2.2	133
98	Combining extreme learning machine with modified sine cosine algorithm for detection of pathological brain. <i>Computers and Electrical Engineering</i> , 2018, 68, 366-380.	3.0	46
99	Classification of Alzheimer's Disease Based on Eight-Layer Convolutional Neural Network with Leaky Rectified Linear Unit and Max Pooling. <i>Journal of Medical Systems</i> , 2018, 42, 85.	2.2	254
100	A pathological brain detection system based on kernel based ELM. <i>Multimedia Tools and Applications</i> , 2018, 77, 3715-3728.	2.6	50
101	Tea category identification based on optimal wavelet entropy and weighted k-Nearest Neighbors algorithm. <i>Multimedia Tools and Applications</i> , 2018, 77, 3745-3759.	2.6	37
102	Wavelet energy entropy and linear regression classifier for detecting abnormal breasts. <i>Multimedia Tools and Applications</i> , 2018, 77, 3813-3832.	2.6	35
103	Single slice based detection for Alzheimer's disease via wavelet entropy and multilayer perceptron trained by biogeography-based optimization. <i>Multimedia Tools and Applications</i> , 2018, 77, 10393-10417.	2.6	122
104	Seven-layer deep neural network based on sparse autoencoder for voxelwise detection of cerebral microbleed. <i>Multimedia Tools and Applications</i> , 2018, 77, 10521-10538.	2.6	82
105	Voxelwise detection of cerebral microbleed in CADASIL patients by leaky rectified linear unit and early stopping. <i>Multimedia Tools and Applications</i> , 2018, 77, 21825-21845.	2.6	47
106	Intelligent facial emotion recognition based on stationary wavelet entropy and Jaya algorithm. <i>Neurocomputing</i> , 2018, 272, 668-676.	3.5	156
107	Polarimetric synthetic aperture radar image segmentation by convolutional neural network using graphical processing units. <i>Journal of Real-Time Image Processing</i> , 2018, 15, 631-642.	2.2	107
108	Multivariate Approach for Alzheimer's Disease Detection Using Stationary Wavelet Entropy and Predator-Prey Particle Swarm Optimization. <i>Journal of Alzheimer's Disease</i> , 2018, 65, 855-869.	1.2	130

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109	Sensorineural hearing loss detection via discrete wavelet transform and principal component analysis combined with generalized eigenvalue proximal support vector machine and Tikhonov regularization. <i>Multimedia Tools and Applications</i> , 2018, 77, 3775-3793.	2.6	44
110	Multiple Sclerosis Identification by 14-Layer Convolutional Neural Network With Batch Normalization, Dropout, and Stochastic Pooling. <i>Frontiers in Neuroscience</i> , 2018, 12, 818.	1.4	100
111	Identification of Alcoholism Based on Wavelet Renyi Entropy and Three-Segment Encoded Jaya Algorithm. <i>Complexity</i> , 2018, 2018, 1-13.	0.9	21
112	Comparison of Artificial Intelligence-Based Pathological Brain Detection Systems. <i>Brain Informatics and Health</i> , 2018, , 179-190.	0.1	1
113	Pathological Brain Detection. <i>Brain Informatics and Health</i> , 2018, , .	0.1	2
114	Dimensionality Reduction of Brain Image Features. <i>Brain Informatics and Health</i> , 2018, , 105-118.	0.1	0
115	Classification Methods for Pathological Brain Detection. <i>Brain Informatics and Health</i> , 2018, , 119-147.	0.1	1
116	Multiple Sclerosis Identification Based on Fractional Fourier Entropy and a Modified Jaya Algorithm. <i>Entropy</i> , 2018, 20, 254.	1.1	33
117	Wavelet Families and Variants. <i>Brain Informatics and Health</i> , 2018, , 85-104.	0.1	8
118	Deep Learning for Cerebral Microbleed Identification. <i>Brain Informatics and Health</i> , 2018, , 191-210.	0.1	0
119	Pathological brain detection in MRI scanning via Hu moment invariants and machine learning. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2017, 29, 299-312.	1.8	76
120	A note on the marker-based watershed method for X-ray image segmentation. <i>Computer Methods and Programs in Biomedicine</i> , 2017, 141, 1-2.	2.6	21
121	Alcoholism detection by medical robots based on Hu moment invariants and predator-prey adaptive-inertia chaotic particle swarm optimization. <i>Computers and Electrical Engineering</i> , 2017, 63, 126-138.	3.0	55
122	Biogeography-Based Optimization for Cluster Analysis. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 3-12.	0.5	2
123	Pathological Brain Detection via Wavelet Packet Tsallis Entropy and Real-Coded Biogeography-based Optimization. <i>Fundamenta Informaticae</i> , 2017, 151, 275-291.	0.3	62
124	Tea Category Identification using Computer Vision and Generalized Eigenvalue Proximal SVM. <i>Fundamenta Informaticae</i> , 2017, 151, 325-339.	0.3	27
125	Texture Analysis Method Based on Fractional Fourier Entropy and Fitness-scaling Adaptive Genetic Algorithm for Detecting Left-sided and Right-sided Sensorineural Hearing Loss. <i>Fundamenta Informaticae</i> , 2017, 151, 505-521.	0.3	43
126	Abnormal Breast Detection in Mammogram Images by Feed-forward Neural Network Trained by Jaya Algorithm. <i>Fundamenta Informaticae</i> , 2017, 151, 191-211.	0.3	86

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127	A Comprehensive Survey on Fractional Fourier Transform. <i>Fundamenta Informaticae</i> , 2017, 151, 1-48.	0.3	19
128	Three-Category Classification of Magnetic Resonance Hearing Loss Images Based on Deep Autoencoder. <i>Journal of Medical Systems</i> , 2017, 41, 165.	2.2	35
129	Leaf Recognition for Plant Classification Based on Wavelet Entropy and Back Propagation Neural Network. <i>Lecture Notes in Computer Science</i> , 2017, , 367-376.	1.0	4
130	Cerebral Micro-Bleed Detection Based on the Convolution Neural Network With Rank Based Average Pooling. <i>IEEE Access</i> , 2017, 5, 16576-16583.	2.6	81
131	Case-Based Statistical Learning: A Non-Parametric Implementation With a Conditional-Error Rate SVM. <i>IEEE Access</i> , 2017, 5, 11468-11478.	2.6	31
132	Detection of cerebral microbleeding based on deep convolutional neural network. , 2017, , .		8
133	SYNTHETIC MINORITY OVERSAMPLING TECHNIQUE AND FRACTAL DIMENSION FOR IDENTIFYING MULTIPLE SCLEROSIS. <i>Fractals</i> , 2017, 25, 1740010.	1.8	31
134	Entropy Analysis of Short-Term Heartbeat Interval Time Series during Regular Walking. <i>Entropy</i> , 2017, 19, 568.	1.1	44
135	Flower classification based on single petal image and machine learning methods. , 2017, , .		3
136	Hearing Loss Detection in Medical Multimedia Data by Discrete Wavelet Packet Entropy and Single-Hidden Layer Neural Network Trained by Adaptive Learning-Rate Back Propagation. <i>Lecture Notes in Computer Science</i> , 2017, , 541-549.	1.0	6
137	Preliminary Study on Unilateral Sensorineural Hearing Loss Identification via Dual-Tree Complex Wavelet Transform and Multinomial Logistic Regression. <i>Lecture Notes in Computer Science</i> , 2017, , 289-297.	1.0	5
138	Facial Emotion Recognition via Discrete Wavelet Transform, Principal Component Analysis, and Cat Swarm Optimization. <i>Lecture Notes in Computer Science</i> , 2017, , 203-214.	1.0	14
139	Effective Connectivity in the Default Network Using Granger Causal Analysis. <i>Journal of Medical Imaging and Health Informatics</i> , 2017, 7, 407-415.	0.2	7
140	A Feature-Free 30-Disease Pathological Brain Detection System by Linear Regression Classifier. <i>CNS and Neurological Disorders - Drug Targets</i> , 2017, 16, 5-10.	0.8	25
141	Detection of Unilateral Hearing Loss by Stationary Wavelet Entropy. <i>CNS and Neurological Disorders - Drug Targets</i> , 2017, 16, 122-128.	0.8	37
142	Alzheimer's Disease Detection by Pseudo Zernike Moment and Linear Regression Classification. <i>CNS and Neurological Disorders - Drug Targets</i> , 2017, 16, 11-15.	0.8	56
143	Detection of Dendritic Spines Using Wavelet Packet Entropy and Fuzzy Support Vector Machine. <i>CNS and Neurological Disorders - Drug Targets</i> , 2017, 16, 116-121.	0.8	60
144	Ford Motor Side-View Recognition System Based on Wavelet Entropy and Back Propagation Neural Network and Levenberg-Marquardt Algorithm. <i>Communications in Computer and Information Science</i> , 2017, , 3-12.	0.4	5

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145	Ford Motorcar Identification from Single-Camera Side-View Image Based on Convolutional Neural Network. Lecture Notes in Computer Science, 2017, , 173-180.	1.0	5
146	Detection of Alzheimer's Disease by Three-Dimensional Displacement Field Estimation in Structural Magnetic Resonance Imaging. Journal of Alzheimer's Disease, 2016, 50, 233-248.	1.2	85
147	PATHOLOGICAL BRAIN DETECTION BY ARTIFICIAL INTELLIGENCE IN MAGNETIC RESONANCE IMAGING SCANNING (INVITED REVIEW). Progress in Electromagnetics Research, 2016, 156, 105-133.	1.6	38
148	Wavelet Entropy and Directed Acyclic Graph Support Vector Machine for Detection of Patients with Unilateral Hearing Loss in MRI Scanning. Frontiers in Computational Neuroscience, 2016, 10, 106.	1.2	69
149	Dual-Tree Complex Wavelet Transform and Twin Support Vector Machine for Pathological Brain Detection. Applied Sciences (Switzerland), 2016, 6, 169.	1.3	109
150	Tea Category Identification Using a Novel Fractional Fourier Entropy and Jaya Algorithm. Entropy, 2016, 18, 77.	1.1	86
151	Aging Related White Matter Tracts Detection Based on 42 Clinically Healthy Subjects. , 2016, , .		0
152	Detection of Left-Sided and Right-Sided Hearing Loss via Fractional Fourier Transform. Entropy, 2016, 18, 194.	1.1	42
153	Morphological analysis of dendrites and spines by hybridization of ridge detection with twin support vector machine. PeerJ, 2016, 4, e2207.	0.9	27
154	Preliminary research on abnormal brain detection by wavelet-energy and quantum- behaved PSO. Technology and Health Care, 2016, 24, S641-S649.	0.5	42
155	Three-Dimensional Eigenbrain for the Detection of Subjects and Brain Regions Related with Alzheimer's Disease. Journal of Alzheimer's Disease, 2016, 50, 1163-1179.	1.2	54
156	Fruit classification by HPA-SLFN. , 2016, , .		11
157	Facial Emotion Recognition Based on Biorthogonal Wavelet Entropy, Fuzzy Support Vector Machine, and Stratified Cross Validation. IEEE Access, 2016, 4, 8375-8385.	2.6	224
158	Sparse Autoencoder Based Deep Neural Network for Voxelwise Detection of Cerebral Microbleed. , 2016, , .		11
159	Computer-aided diagnosis of abnormal breasts in mammogram images by weighted-type fractional Fourier transform. Advances in Mechanical Engineering, 2016, 8, 168781401663424.	0.8	50
160	A note on the weight of inverse complexity in improved hybrid genetic algorithm. Journal of Medical Systems, 2016, 40, 150.	2.2	19
161	Combination of stationary wavelet transform and kernel support vector machines for pathological brain detection. Simulation, 2016, 92, 827-837.	1.1	42
162	Tea Category Classification Based on Feed-Forward Neural Network and Two-Dimensional Wavelet Entropy. Lecture Notes in Computer Science, 2016, , 48-54.	1.0	9

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163	Fractal Dimension Estimation for Developing Pathological Brain Detection System Based on Minkowski-Bouligand Method. IEEE Access, 2016, 4, 5937-5947.	2.6	63
164	Comparison of machine learning methods for stationary wavelet entropy-based multiple sclerosis detection: decision tree, k -nearest neighbors, and support vector machine. Simulation, 2016, 92, 861-871.	1.1	189
165	Multiple Sclerosis Detection Based on Biorthogonal Wavelet Transform, RBF Kernel Principal Component Analysis, and Logistic Regression. IEEE Access, 2016, 4, 7567-7576.	2.6	100
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