

List of Publications by Year in descending order

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244
papers

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15466

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247
times ranked

7667
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	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
5	A comprehensive survey on convolutional neural network in medical image analysis. Multimedia Tools and Applications, 2022, 81, 41361-41405.	2.6	37
6	AVNC: Attention-Based VGG-Style Network for COVID-19 Diagnosis by CBAM. IEEE Sensors Journal, 2022, 22, 17431-17438.	2.4	74
7	CMB-net: a deep convolutional neural network for diagnosis of cerebral microbleeds. Multimedia Tools and Applications, 2022, 81, 19195-19214.	2.6	2
8	Fruit category classification by fractional Fourier entropy with rotation angle vector grid and stacked sparse autoencoder. Expert Systems, 2022, 39, .	2.9	15
9	A review on extreme learning machine. Multimedia Tools and Applications, 2022, 81, 41611-41660.	2.6	143
10	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
11	A systematic survey of deep learning in breast cancer. International Journal of Intelligent Systems, 2022, 37, 152-216.	3.3	29
12	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
13	Diagnosis of COVID-19 Pneumonia via a Novel Deep Learning Architecture. Journal of Computer Science and Technology, 2022, 37, 330-343.	0.9	43
14	Attention deficit/hyperactivity disorder Classification based on deep spatio-temporal features of functional Magnetic Resonance Imaging. Biomedical Signal Processing and Control, 2022, 71, 103239.	3.5	16
15	DSSAE: Deep Stacked Sparse Autoencoder Analytical Model for COVID-19 Diagnosis by Fractional Fourier Entropy. ACM Transactions on Management Information Systems, 2022, 13, 1-20.	2.1	17
16	TBNet: a context-aware graph network for tuberculosis diagnosis. Computer Methods and Programs in Biomedicine, 2022, 214, 106587.	2.6	20
17	EDNC: Ensemble Deep Neural Network for COVID-19 Recognition. Tomography, 2022, 8, 869-890.	0.8	23
18	Covid-19 diagnosis by WE-SAJ. Systems Science and Control Engineering, 2022, 10, 325-335.	1.8	54

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19	Transfer learning for medical images analyses: A survey. Neurocomputing, 2022, 489, 230-254.	3.5	60
20	CGENet: A Deep Graph Model for COVID-19 Detection Based on Chest CT. Biology, 2022, 11, 33.	1.3	25
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	RDNNet: ResNet-18 with Dropout for Blood Cell Classification. Lecture Notes in Computer Science, 2022, , 136-144.	1.0	2
25	DSNN: A DenseNet-Based SNN for Explainable Brain Disease Classification. Frontiers in Systems Neuroscience, 2022, 16, .	1.2	12
26	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
27	Applicable artificial intelligence for brain disease: A survey. Neurocomputing, 2022, 504, 223-239.	3.5	12
28	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
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	A Review of Deep Learning on Medical Image Analysis. Mobile Networks and Applications, 2021, 26, 351-380.	2.2	110
32	CGNet: A graph-knowledge embedded convolutional neural network for detection of pneumonia. Information Processing and Management, 2021, 58, 102411.	5.4	62
33	Alzheimer's disease multiclass diagnosis via multimodal neuroimaging embedding feature selection and fusion. Information Fusion, 2021, 66, 170-183.	11.7	104
34	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
35	Improved Breast Cancer Classification Through Combining Graph Convolutional Network and Convolutional Neural Network. Information Processing and Management, 2021, 58, 102439.	5.4	205
36	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

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37	COVID-19 classification by CCSHNet with deep fusion using transfer learning and discriminant correlation analysis. Information Fusion, 2021, 68, 131-148.	11.7	171
38	Heterogeneous data fusion for predicting mild cognitive impairment conversion. Information Fusion, 2021, 66, 54-63.	11.7	60
39	Sensorineural hearing loss classification via deep-HLNet and few-shot learning. Multimedia Tools and Applications, 2021, 80, 2109-2122.	2.6	4
40	Convolutional Bi-LSTM Based Human Gait Recognition Using Video Sequences. Computers, Materials and Continua, 2021, 68, 2693-2709.	1.5	13
41	Pseudo Zernike Moment and Deep Stacked Sparse Autoencoder for COVID-19 Diagnosis. Computers, Materials and Continua, 2021, 69, 3145-3162.	1.5	25
42	COVID-19 Diagnosis via DenseNet and Optimization of Transfer Learning Setting. Cognitive Computation, 2021, , 1-17.	3.6	41
43	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, 2021, 1-18.	0.7	44
44	Constructing Dynamic Brain Functional Networks via Hyper-Graph Manifold Regularization for Mild Cognitive Impairment Classification. Frontiers in Neuroscience, 2021, 15, 669345.	1.4	12
45	ADVIAN: Alzheimer's Disease VGG-Inspired Attention Network Based on Convolutional Block Attention Module and Multiple Way Data Augmentation. Frontiers in Aging Neuroscience, 2021, 13, 687456.	1.7	46
46	SOSPCNN: Structurally Optimized Stochastic Pooling Convolutional Neural Network for Tetralogy of Fallot Recognition. Wireless Communications and Mobile Computing, 2021, 2021, 1-17.	0.8	7
47	Deep Fractional Max Pooling Neural Network for COVID-19 Recognition. Frontiers in Public Health, 2021, 9, 726144.	1.3	16
48	A cerebral microbleed diagnosis method via FeatureNet and ensembled randomized neural networks. Applied Soft Computing Journal, 2021, 109, 107567.	4.1	15
49	ResGNet-C: A graph convolutional neural network for detection of COVID-19. Neurocomputing, 2021, 452, 592-605.	3.5	53
50	Cerebral Microbleed Detection via Convolutional Neural Network and Extreme Learning Machine. Frontiers in Computational Neuroscience, 2021, 15, 738885.	1.2	5
51	Multiple Sclerosis Recognition by Biorthogonal Wavelet Features and Fitness-Scaled Adaptive Genetic Algorithm. Frontiers in Neuroscience, 2021, 15, 737785.	1.4	8
52	CSGBBNet: An Explainable Deep Learning Framework for COVID-19 Detection. Diagnostics, 2021, 11, 1712.	1.3	7
53	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
54	Advances in Data Preprocessing for Biomedical Data Fusion: An Overview of the Methods, Challenges, and Prospects. Information Fusion, 2021, 76, 376-421.	11.7	106

#	ARTICLE	IF	CITATIONS
55	An Explainable Framework for Diagnosis of COVID-19 Pneumonia via Transfer Learning and Discriminant Correlation Analysis. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2021, 17, 1-16.	3.0	11
56	A Survey of Computer-Aided Tumor Diagnosis Based on Convolutional Neural Network. <i>Biology</i> , 2021, 10, 1084.	1.3	22
57	PSCNN: PatchShuffle Convolutional Neural Network for COVID-19 Explainable Diagnosis. <i>Frontiers in Public Health</i> , 2021, 9, 768278.	1.3	18
58	BCNet: A Novel Network for Blood Cell Classification. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 813996.	1.8	18
59	Deep Learning in the Classification of Stage of Liver Fibrosis in Chronic Hepatitis B with Magnetic Resonance ADC Images. <i>Contrast Media and Molecular Imaging</i> , 2021, 2021, 1-9.	0.4	5
60	TReC: Transferred ResNet and CBAM for Detecting Brain Diseases. <i>Frontiers in Neuroinformatics</i> , 2021, 15, 781551.	1.3	17
61	Classification of cerebral microbleeds based on fully-optimized convolutional neural network. <i>Multimedia Tools and Applications</i> , 2020, 79, 15151-15169.	2.6	19
62	Sensorineural hearing loss identification via nine-layer convolutional neural network with batch normalization and dropout. <i>Multimedia Tools and Applications</i> , 2020, 79, 15135-15150.	2.6	17
63	Alcoholism identification via convolutional neural network based on parametric ReLU, dropout, and batch normalization. <i>Neural Computing and Applications</i> , 2020, 32, 665-680.	3.2	133
64	Cerebral microbleeding identification based on a nine-layer convolutional neural network with stochastic pooling. <i>Concurrency Computation Practice and Experience</i> , 2020, 32, e5130.	1.4	74
65	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
66	Module dividing for brain functional networks by employing betweenness efficiency. <i>Multimedia Tools and Applications</i> , 2020, 79, 15253-15271.	2.6	1
67	Rich club characteristics of dynamic brain functional networks in resting state. <i>Multimedia Tools and Applications</i> , 2020, 79, 15075-15093.	2.6	3
68	Sensorineural Hearing Loss Identification via Discrete Wavelet Packet Entropy and Cat Swarm Optimization. <i>Springer Tracts in Nature-inspired Computing</i> , 2020, , 129-150.	1.2	1
69	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
70	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
71	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
72	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

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73	Application of Deep Learning Algorithm in Feature Mining and Rapid Identification of Colorectal Image. IEEE Access, 2020, 8, 128830-128844.	2.6	1
74	Brain Age Prediction of Children Using Routine Brain MR Images via Deep Learning. Frontiers in Neurology, 2020, 11, 584682.	1.1	27
75	Advances in multimodal data fusion in neuroimaging: Overview, challenges, and novel orientation. Information Fusion, 2020, 64, 149-187.	11.7	235
76	A classification method for brain MRI via MobileNet and feedforward network with random weights. Pattern Recognition Letters, 2020, 140, 252-260.	2.6	38
77	StomachNet: Optimal Deep Learning Features Fusion for Stomach Abnormalities Classification. IEEE Access, 2020, 8, 197969-197981.	2.6	73
78	Detecting pathological brain via ResNet and randomized neural networks. Heliyon, 2020, 6, e05625.	1.4	25
79	Three-dimensional reconstruction of CT image features based on multi-threaded deep learning calculation. Pattern Recognition Letters, 2020, 136, 309-315.	2.6	13
80	A Sustainable Deep Learning Framework for Object Recognition Using Multi-Layers Deep Features Fusion and Selection. Sustainability, 2020, 12, 5037.	1.6	105
81	Fingerspelling Identification for Chinese Sign Language via AlexNet-Based Transfer Learning and Adam Optimizer. Scientific Programming, 2020, 2020, 1-13.	0.5	36
82	DenseNet-201-Based Deep Neural Network with Composite Learning Factor and Precomputation for Multiple Sclerosis Classification. ACM Transactions on Multimedia Computing, Communications and Applications, 2020, 16, 1-19.	3.0	107
83	Diagnosis of COVID-19 by Wavelet Renyi Entropy and Three-Segment Biogeography-Based Optimization. International Journal of Computational Intelligence Systems, 2020, 13, 1332.	1.6	54
84	Detection of COVID-19 by GoogLeNet-COD. Lecture Notes in Computer Science, 2020, , 499-509.	1.0	5
85	Unilateral sensorineural hearing loss identification based on double-density dual-tree complex wavelet transform and multinomial logistic regression. Integrated Computer-Aided Engineering, 2019, 26, 411-426.	2.5	50
86	Liver Semantic Segmentation Algorithm Based on Improved Deep Adversarial Networks in Combination of Weighted Loss Function on Abdominal CT Images. IEEE Access, 2019, 7, 96349-96358.	2.6	88
87	Abnormality Diagnosis in Mammograms by Transfer Learning Based on ResNet18. Fundamenta Informaticae, 2019, 168, 219-230.	0.3	35
88	A Fast Fractal Based Compression for MRI Images. IEEE Access, 2019, 7, 62412-62420.	2.6	195
89	Teeth category classification via seven-layer deep convolutional neural network with max pooling and global average pooling. International Journal of Imaging Systems and Technology, 2019, 29, 577-583.	2.7	60
90	Multi-Scale Feature Combination of Brain Functional Network for eMCI Classification. IEEE Access, 2019, 7, 74263-74273.	2.6	22

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91	Alcoholism Identification Based on an AlexNet Transfer Learning Model. <i>Frontiers in Psychiatry</i> , 2019, 10, 205.	1.3	88
92	Cerebral Micro-Bleeding Detection Based on Densely Connected Neural Network. <i>Frontiers in Neuroscience</i> , 2019, 13, 422.	1.4	61
93	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
94	Improvement of Cerebral Microbleeds Detection Based on Discriminative Feature Learning. <i>Fundamenta Informaticae</i> , 2019, 168, 231-248.	0.3	9
95	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
96	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
97	Application of stationary wavelet entropy in pathological brain detection. <i>Multimedia Tools and Applications</i> , 2018, 77, 3701-3714.	2.6	73
98	Ensemble-classifiers-assisted detection of cerebral microbleeds in brain MRI. <i>Computers and Electrical Engineering</i> , 2018, 69, 768-781.	3.0	46
99	Hub recognition for brain functional networks by using multiple-feature combination. <i>Computers and Electrical Engineering</i> , 2018, 69, 740-752.	3.0	11
100	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
101	Alcoholism Detection by Data Augmentation and Convolutional Neural Network with Stochastic Pooling. <i>Journal of Medical Systems</i> , 2018, 42, 2.	2.2	133
102	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
103	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
104	A pathological brain detection system based on kernel based ELM. <i>Multimedia Tools and Applications</i> , 2018, 77, 3715-3728.	2.6	50
105	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
106	Wavelet energy entropy and linear regression classifier for detecting abnormal breasts. <i>Multimedia Tools and Applications</i> , 2018, 77, 3813-3832.	2.6	35
107	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
108	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

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109	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
110	Intelligent facial emotion recognition based on stationary wavelet entropy and Jaya algorithm. <i>Neurocomputing</i> , 2018, 272, 668-676.	3.5	156
111	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
112	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
113	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
114	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
115	Neuroimaging Modalities. <i>Brain Informatics and Health</i> , 2018, , 13-28.	0.1	3
116	Identification of Alcoholism Based on Wavelet Renyi Entropy and Three-Segment Encoded Jaya Algorithm. <i>Complexity</i> , 2018, 2018, 1-13.	0.9	21
117	Comparison of Artificial Intelligence-Based Pathological Brain Detection Systems. <i>Brain Informatics and Health</i> , 2018, , 179-190.	0.1	1
118	Pathological Brain Detection. <i>Brain Informatics and Health</i> , 2018, , .	0.1	2
119	Canonical Feature Extraction Methods for Structural Magnetic Resonance Imaging. <i>Brain Informatics and Health</i> , 2018, , 45-70.	0.1	0
120	Basics of Pathological Brain Detection. <i>Brain Informatics and Health</i> , 2018, , 1-11.	0.1	0
121	Image Preprocessing for Pathological Brain Detection. <i>Brain Informatics and Health</i> , 2018, , 29-44.	0.1	1
122	Dimensionality Reduction of Brain Image Features. <i>Brain Informatics and Health</i> , 2018, , 105-118.	0.1	0
123	Classification Methods for Pathological Brain Detection. <i>Brain Informatics and Health</i> , 2018, , 119-147.	0.1	1
124	Multiple Sclerosis Identification Based on Fractional Fourier Entropy and a Modified Jaya Algorithm. <i>Entropy</i> , 2018, 20, 254.	1.1	33
125	Wavelet Families and Variants. <i>Brain Informatics and Health</i> , 2018, , 85-104.	0.1	8
126	Pathological Brain Detection in Magnetic Resonance Imaging Using Combined Features and Improved Extreme Learning Machines. <i>Journal of Medical Imaging and Health Informatics</i> , 2018, 8, 1486-1490.	0.2	9

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127	Multi-scale and Multi-resolution Features for Structural Magnetic Resonance Imaging. Brain Informatics and Health, 2018, , 71-84.	0.1	0
128	Deep Learning for Cerebral Microbleed Identification. Brain Informatics and Health, 2018, , 191-210.	0.1	0
129	Weight Optimization of Classifiers for Pathological Brain Detection. Brain Informatics and Health, 2018, , 149-178.	0.1	0
130	Pathological brain detection in MRI scanning via Hu moment invariants and machine learning. Journal of Experimental and Theoretical Artificial Intelligence, 2017, 29, 299-312.	1.8	76
131	A note on the marker-based watershed method for X-ray image segmentation. Computer Methods and Programs in Biomedicine, 2017, 141, 1-2.	2.6	21
132	Alcoholism detection by medical robots based on Hu moment invariants and predatorâ€“prey adaptive-inertia chaotic particle swarm optimization. Computers and Electrical Engineering, 2017, 63, 126-138.	3.0	55
133	Biogeography-Based Optimization for Cluster Analysis. Advances in Intelligent Systems and Computing, 2017, , 3-12.	0.5	2
134	Pathological Brain Detection via Wavelet Packet Tsallis Entropy and Real-Coded Biogeography-based Optimization. Fundamenta Informaticae, 2017, 151, 275-291.	0.3	62
135	Tea Category Identification using Computer Vision and Generalized Eigenvalue Proximal SVM. Fundamenta Informaticae, 2017, 151, 325-339.	0.3	27
136	Texture Analysis Method Based on Fractional Fourier Entropy and Fitness-scaling Adaptive Genetic Algorithm for Detecting Left-sided and Right-sided Sensorineural Hearing Loss. Fundamenta Informaticae, 2017, 151, 505-521.	0.3	43
137	Abnormal Breast Detection in Mammogram Images by Feed-forward Neural Network Trained by Jaya Algorithm. Fundamenta Informaticae, 2017, 151, 191-211.	0.3	86
138	A Comprehensive Survey on Fractional Fourier Transform. Fundamenta Informaticae, 2017, 151, 1-48.	0.3	19
139	Three-Category Classification of Magnetic Resonance Hearing Loss Images Based on Deep Autoencoder. Journal of Medical Systems, 2017, 41, 165.	2.2	35
140	Leaf Recognition for Plant Classification Based on Wavelet Entropy and Back Propagation Neural Network. Lecture Notes in Computer Science, 2017, , 367-376.	1.0	4
141	Cerebral Micro-Bleed Detection Based on the Convolution Neural Network With Rank Based Average Pooling. IEEE Access, 2017, 5, 16576-16583.	2.6	81
142	Detection of cerebral microbleeding based on deep convolutional neural network. , 2017, , .		8
143	SYNTHETIC MINORITY OVERSAMPLING TECHNIQUE AND FRACTAL DIMENSION FOR IDENTIFYING MULTIPLE SCLEROSIS. Fractals, 2017, 25, 1740010.	1.8	31
144	Flower classification based on single petal image and machine learning methods. , 2017, , .		3

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145	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. Lecture Notes in Computer Science, 2017, , 541-549.	1.0	6
146	Preliminary Study on Unilateral Sensorineural Hearing Loss Identification via Dual-Tree Complex Wavelet Transform and Multinomial Logistic Regression. Lecture Notes in Computer Science, 2017, , 289-297.	1.0	5
147	Facial Emotion Recognition via Discrete Wavelet Transform, Principal Component Analysis, and Cat Swarm Optimization. Lecture Notes in Computer Science, 2017, , 203-214.	1.0	14
148	Effective Connectivity in the Default Network Using Granger Causal Analysis. Journal of Medical Imaging and Health Informatics, 2017, 7, 407-415.	0.2	7
149	A Fruit Sensing and Classification System by Fractional Fourier Entropy and Improved Hybrid Genetic Algorithm. , 2017, , .		4
150	A Feature-Free 30-Disease Pathological Brain Detection System by Linear Regression Classifier. CNS and Neurological Disorders - Drug Targets, 2017, 16, 5-10.	0.8	25
151	Detection of Unilateral Hearing Loss by Stationary Wavelet Entropy. CNS and Neurological Disorders - Drug Targets, 2017, 16, 122-128.	0.8	37
152	Alzheimer's Disease Detection by Pseudo Zernike Moment and Linear Regression Classification. CNS and Neurological Disorders - Drug Targets, 2017, 16, 11-15.	0.8	56
153	Detection of Dendritic Spines Using Wavelet Packet Entropy and Fuzzy Support Vector Machine. CNS and Neurological Disorders - Drug Targets, 2017, 16, 116-121.	0.8	60
154	Ford Motor Side-View Recognition System Based on Wavelet Entropy and Back Propagation Neural Network and Levenberg-Marquardt Algorithm. Communications in Computer and Information Science, 2017, , 3-12.	0.4	5
155	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
156	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
157	PATHOLOGICAL BRAIN DETECTION BY ARTIFICIAL INTELLIGENCE IN MAGNETIC RESONANCE IMAGING SCANNING (INVITED REVIEW). Progress in Electromagnetics Research, 2016, 156, 105-133.	1.6	38
158	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
159	Dual-Tree Complex Wavelet Transform and Twin Support Vector Machine for Pathological Brain Detection. Applied Sciences (Switzerland), 2016, 6, 169.	1.3	109
160	Tea Category Identification Using a Novel Fractional Fourier Entropy and Jaya Algorithm. Entropy, 2016, 18, 77.	1.1	86
161	Aging Related White Matter Tracts Detection Based on 42 Clinically Healthy Subjects. , 2016, , .		0
162	Detection of Left-Sided and Right-Sided Hearing Loss via Fractional Fourier Transform. Entropy, 2016, 18, 194.	1.1	42

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163	Morphological analysis of dendrites and spines by hybridization of ridge detection with twin support vector machine. PeerJ, 2016, 4, e2207.	0.9	27
164	Preliminary research on abnormal brain detection by wavelet-energy and quantum- behaved PSO. Technology and Health Care, 2016, 24, S641-S649.	0.5	42
165	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
166	Fruit classification by HPA-SLFN. , 2016, , .		11
167	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
168	Sparse Autoencoder Based Deep Neural Network for Voxelwise Detection of Cerebral Microbleed. , 2016, , .		11
169	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
170	A note on the weight of inverse complexity in improved hybrid genetic algorithm. Journal of Medical Systems, 2016, 40, 150.	2.2	19
171	Combination of stationary wavelet transform and kernel support vector machines for pathological brain detection. Simulation, 2016, 92, 827-837.	1.1	42
172	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
173	Fractal Dimension Estimation for Developing Pathological Brain Detection System Based on Minkowski-Bouligand Method. IEEE Access, 2016, 4, 5937-5947.	2.6	63
174	Comparison of machine learning methods for stationary wavelet entropy-based multiple sclerosis detection: decision tree, <i>k</i> -nearest neighbors, and support vector machine. Simulation, 2016, 92, 861-871.	1.1	189
175	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
176	Smart detection on abnormal breasts in digital mammography based on contrast-limited adaptive histogram equalization and chaotic adaptive real-coded biogeography-based optimization. Simulation, 2016, 92, 873-885.	1.1	74
177	Image processing methods to elucidate spatial characteristics of retinal microglia after optic nerve transection. Scientific Reports, 2016, 6, 21816.	1.6	42
178	Pathological brain detection based on online sequential extreme learning machine. , 2016, , .		1
179	A new logistic map based chaotic biogeography-based optimization approach for cluster analysis. , 2016, , .		2
180	Fruit classification by biogeography-based optimization and feedforward neural network. Expert Systems, 2016, 33, 239-253.	2.9	116

#	ARTICLE	IF	CITATIONS
181	A Multilayer Perceptron Based Smart Pathological Brain Detection System by Fractional Fourier Entropy. <i>Journal of Medical Systems</i> , 2016, 40, 173.	2.2	90
182	Detection of abnormal MR brains based on wavelet entropy and feature selection. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2016, 11, 364-373.	0.8	37
183	Automated classification of brain images using wavelet-energy and biogeography-based optimization. <i>Multimedia Tools and Applications</i> , 2016, 75, 15601-15617.	2.6	145
184	Multi-objective path finding in stochastic networks using a biogeography-based optimization method. <i>Simulation</i> , 2016, 92, 637-647.	1.1	24
185	Magnetic resonance brain classification by a novel binary particle swarm optimization with mutation and time-varying acceleration coefficients. <i>Biomedizinische Technik</i> , 2016, 61, 431-441.	0.9	55
186	Fitness-scaling adaptive genetic algorithm with local search for solving the Multiple Depot Vehicle Routing Problem. <i>Simulation</i> , 2016, 92, 601-616.	1.1	47
187	Predict Two-Dimensional Protein Folding Based on Hydrophobic-Polar Lattice Model and Chaotic Clonal Genetic Algorithm. <i>Lecture Notes in Computer Science</i> , 2016, , 10-17.	1.0	4
188	A TS-PSO Based Artificial Neural Network for Short-Term Load Forecast. <i>Lecture Notes in Computer Science</i> , 2016, , 31-37.	1.0	2
189	Pathological brain detection based on wavelet entropy and Hu moment invariants. <i>Bio-Medical Materials and Engineering</i> , 2015, 26, S1283-S1290.	0.4	108
190	Pathological Brain Detection by Wavelet-Energy and Fuzzy Support Vector Machine. , 2015, , .		2
191	Magnetic resonance brain image classification based on weighted-type fractional Fourier transform and nonparallel support vector machine. <i>International Journal of Imaging Systems and Technology</i> , 2015, 25, 317-327.	2.7	113
192	Exponential wavelet iterative shrinkage thresholding algorithm with random shift for compressed sensing magnetic resonance imaging. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2015, 10, 116-117.	0.8	58
193	Detection of Alzheimer's disease by displacement field and machine learning. <i>PeerJ</i> , 2015, 3, e1251.	0.9	90
194	PATHOLOGICAL BRAIN DETECTION IN MAGNETIC RESONANCE IMAGING SCANNING BY WAVELET ENTROPY AND HYBRIDIZATION OF BIOGEOGRAPHY-BASED OPTIMIZATION AND PARTICLE SWARM OPTIMIZATION. <i>Progress in Electromagnetics Research</i> , 2015, 152, 41-58.	1.6	102
195	A NOTE ON DAS'S PCA IN ONLINE PHASES. <i>Progress in Electromagnetics Research Letters</i> , 2015, 51, 117-118.	0.4	1
196	Identification of Green, Oolong and Black Teas in China via Wavelet Packet Entropy and Fuzzy Support Vector Machine. <i>Entropy</i> , 2015, 17, 6663-6682.	1.1	142
197	Fruit Classification by Wavelet-Entropy and Feedforward Neural Network Trained by Fitness-Scaled Chaotic ABC and Biogeography-Based Optimization. <i>Entropy</i> , 2015, 17, 5711-5728.	1.1	144
198	Pathological Brain Detection by a Novel Image Feature's Fractional Fourier Entropy. <i>Entropy</i> , 2015, 17, 8278-8296.	1.1	79

#	ARTICLE	IF	CITATIONS
199	Detection of subjects and brain regions related to Alzheimer's disease using 3D MRI scans based on eigenbrain and machine learning. <i>Frontiers in Computational Neuroscience</i> , 2015, 9, 66.	1.2	204
200	Detection of Dendritic Spines Using Wavelet-Based Conditional Symmetric Analysis and Regularized Morphological Shared-Weight Neural Networks. <i>Computational and Mathematical Methods in Medicine</i> , 2015, 2015, 1-12.	0.7	24
201	A Comprehensive Survey on Particle Swarm Optimization Algorithm and Its Applications. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-38.	0.6	483
202	Detection of Alzheimer's disease and mild cognitive impairment based on structural volumetric MR images using 3D-DWT and WTA-KSVM trained by PSOTVAC. <i>Biomedical Signal Processing and Control</i> , 2015, 21, 58-73.	3.5	158
203	Effect of spider-web-plot in MR brain image classification. <i>Pattern Recognition Letters</i> , 2015, 62, 14-16.	2.6	41
204	Feed-forward neural network optimized by hybridization of PSO and ABC for abnormal brain detection. <i>International Journal of Imaging Systems and Technology</i> , 2015, 25, 153-164.	2.7	172
205	Magnetic Resonance Brain Image Classification via Stationary Wavelet Transform and Generalized Eigenvalue Proximal Support Vector Machine. <i>Journal of Medical Imaging and Health Informatics</i> , 2015, 5, 1395-1403.	0.2	111
206	Pathological brain detection in MRI scanning by wavelet packet Tsallis entropy and fuzzy support vector machine. <i>SpringerPlus</i> , 2015, 4, 716.	1.2	60
207	Preclinical Diagnosis of Magnetic Resonance (MR) Brain Images via Discrete Wavelet Packet Transform with Tsallis Entropy and Generalized Eigenvalue Proximal Support Vector Machine (GEP-SVM). <i>Entropy</i> , 2015, 17, 1795-1813.	1.1	224
208	Comment on "Principles, developments and applications of computer vision for external quality inspection of fruits and vegetables: A review (Food Research International; 2014, 62: 326-343)". <i>Food Research International</i> , 2015, 70, 142.	2.9	6
209	Exponential Wavelet Iterative Shrinkage Thresholding Algorithm for compressed sensing magnetic resonance imaging. <i>Information Sciences</i> , 2015, 322, 115-132.	4.0	96
210	Detection of Pathological Brain in MRI Scanning Based on Wavelet-Entropy and Naive Bayes Classifier. <i>Lecture Notes in Computer Science</i> , 2015, , 201-209.	1.0	54
211	Cluster Analysis by Variance Ratio Criterion and Quantum-Behaved PSO. <i>Lecture Notes in Computer Science</i> , 2015, , 285-293.	1.0	2
212	Preliminary Research on Combination of Exponential Wavelet and FISTA for CS-MRI. <i>Lecture Notes in Computer Science</i> , 2015, , 175-182.	1.0	0
213	CLASSIFICATION OF ALZHEIMER DISEASE BASED ON STRUCTURAL MAGNETIC RESONANCE IMAGING BY KERNEL SUPPORT VECTOR MACHINE DECISION TREE. <i>Progress in Electromagnetics Research</i> , 2014, 144, 171-184.	1.6	168
214	AN IMPROVED QUALITY GUIDED PHASE UNWRAPPING METHOD AND ITS APPLICATIONS TO MRI. <i>Progress in Electromagnetics Research</i> , 2014, 145, 273-286.	1.6	34
215	Binary Structuring Elements Decomposition Based on an Improved Recursive Dilation-Union Model and RSAPSO Method. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-12.	0.6	7
216	Binary PSO with mutation operator for feature selection using decision tree applied to spam detection. <i>Knowledge-Based Systems</i> , 2014, 64, 22-31.	4.0	355

#	ARTICLE	IF	CITATIONS
217	An improved reconstruction method for CS-MRI based on exponential wavelet transform and iterative shrinkage/thresholding algorithm. <i>Journal of Electromagnetic Waves and Applications</i> , 2014, 28, 2327-2338.	1.0	24
218	Fruit classification using computer vision and feedforward neural network. <i>Journal of Food Engineering</i> , 2014, 143, 167-177.	2.7	242
219	RGB-D image-based detection of stairs, pedestrian crosswalks and traffic signs. <i>Journal of Visual Communication and Image Representation</i> , 2014, 25, 263-272.	1.7	131
220	Detecting signage and doors for blind navigation and wayfinding. <i>Network Modeling Analysis in Health Informatics and Bioinformatics</i> , 2013, 2, 81-93.	1.2	8
221	UCAV Path Planning by Fitness-Scaling Adaptive Chaotic Particle Swarm Optimization. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-9.	0.6	48
222	Genetic Pattern Search and Its Application to Brain Image Classification. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-8.	0.6	25
223	A Rule-Based Model for Bankruptcy Prediction Based on an Improved Genetic Ant Colony Algorithm. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-10.	0.6	42
224	Solving Two-Dimensional HP Model by Firefly Algorithm and Simplified Energy Function. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-9.	0.6	20
225	An MR Brain Images Classifier System via Particle Swarm Optimization and Kernel Support Vector Machine. <i>Scientific World Journal</i> , The, 2013, 2013, 1-9.	0.8	75
226	Detecting stairs and pedestrian crosswalks for the blind by RGBD camera. , 2012, , .		43
227	Fast mode selection for H.264 video coding standard based on motion region classification. <i>Multimedia Tools and Applications</i> , 2012, 58, 453-466.	2.6	1
228	Camera-Based Signage Detection and Recognition for Blind Persons. <i>Lecture Notes in Computer Science</i> , 2012, , 17-24.	1.0	19
229	Spam Detection via Feature Selection and Decision Tree. <i>Advanced Science Letters</i> , 2012, 5, 726-730.	0.2	16
230	Chaotic Artificial Bee Colony Used for Cluster Analysis. <i>Communications in Computer and Information Science</i> , 2011, , 205-211.	0.4	22
231	MAGNETIC RESONANCE BRAIN IMAGE CLASSIFICATION BY AN IMPROVED ARTIFICIAL BEE COLONY ALGORITHM. <i>Progress in Electromagnetics Research</i> , 2011, 116, 65-79.	1.6	160
232	A novel algorithm for all pairs shortest path problem based on matrix multiplication and pulse coupled neural network. , 2011, 21, 517-521.		44
233	A hybrid method for MRI brain image classification. <i>Expert Systems With Applications</i> , 2011, 38, 10049-10053.	4.4	279
234	A novel hybrid genetic algorithm for global optimization. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
235	Color image enhancement based on HVS and PCNN. Science China Information Sciences, 2010, 53, 1963-1976.	2.7	47
236	A NOVEL METHOD FOR MAGNETIC RESONANCE BRAIN IMAGE CLASSIFICATION BASED ON ADAPTIVE CHAOTIC PSO. Progress in Electromagnetics Research, 2010, 109, 325-343.	1.6	112
237	FEATURE EXTRACTION OF BRAIN MRI BY STATIONARY WAVELET TRANSFORM AND ITS APPLICATIONS. Journal of Biological Systems, 2010, 18, 115-132.	0.5	62
238	Remote-Sensing Image Classification Based on an Improved Probabilistic Neural Network. Sensors, 2009, 9, 7516-7539.	2.1	63
239	Ductal carcinoma in situ detection in breast thermography by extreme learning machine and combination of statistical measure and fractal dimension. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	3.3	19
240	Diagnosis of secondary pulmonary tuberculosis by an eight-layer improved convolutional neural network with stochastic pooling and hyperparameter optimization. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	3.3	21
241	Explainable diagnosis of secondary pulmonary tuberculosis by graph rank-based average pooling neural network. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	3.3	16
242	SECONDARY PULMONARY TUBERCULOSIS RECOGNITION BY ROTATION ANGLE VECTOR GRID-BASED FRACTIONAL FOURIER ENTROPY. Fractals, 0, , .	1.8	5
243	Secondary Pulmonary Tuberculosis Recognition by 4-Direction Varying-Distance GLCM and Fuzzy SVM. Mobile Networks and Applications, 0, , 1.	2.2	7
244	Fingerspelling Recognition by 12-Layer CNN with Stochastic Pooling. Mobile Networks and Applications, 0, , 1.	2.2	2