List of Publications by Year
in descending order

244 papers	13,601 citations	15466 65 h-index	29081 104 g-index
247 all docs	247 docs citations	247 times ranked	7667 citing authors

#	Article	IF	Citations
1	A Comprehensive Survey on Particle Swarm Optimization Algorithm and Its Applications. Mathematical Problems in Engineering, 2015, 2015, 1-38.	0.6	483
2	Binary PSO with mutation operator for feature selection using decision tree applied to spam detection. Knowledge-Based Systems, 2014, 64, 22-31.	4.0	355
3	A hybrid method for MRI brain image classification. Expert Systems With Applications, 2011, 38, 10049-10053.	4.4	279
4	Image based fruit category classification by 13-layer deep convolutional neural network and data augmentation. Multimedia Tools and Applications, 2019, 78, 3613-3632.	2.6	271
5	Classification of Alzheimerâ€™s Disease Based on Eight-Layer Convolutional Neural Network with Leaky Rectified Linear Unit and Max Pooling. Journal of Medical Systems, 2018, 42, 85.	2.2	254
6	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
7	Fruit classification using computer vision and feedforward neural network. Journal of Food Engineering, 2014, 143, 167-177.	2.7	242
8	Advances in multimodal data fusion in neuroimaging: Overview, challenges, and novel orientation. Information Fusion, 2020, 64, 149-187.	11.7	235
9	Preclinical Diagnosis of Magnetic Resonance (MR) Brain Images via Discrete Wavelet Packet Transform with Tsallis Entropy and Generalized Eigenvalue Proximal Support Vector Machine (GEPSVM). Entropy, 2015, 17, 1795-1813.	1.1	224
10	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
11	Improved Breast Cancer Classification Through Combining Graph Convolutional Network and Convolutional Neural Network. Information Processing and Management, 2021, 58, 102439.	5.4	205
12	Detection of subjects and brain regions related to Alzheimer's disease using 3D MRI scans based on eigenbrain and machine learning. Frontiers in Computational Neuroscience, 2015, 9, 66.	1.2	204
13	A Fast Fractal Based Compression for MRI Images. IEEE Access, 2019, 7, 62412-62420.	2.6	195
14	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
15	Feedâ€forward neural network optimized by hybridization of PSO and ABC for abnormal brain detection. International Journal of Imaging Systems and Technology, 2015, 25, 153-164.	2.7	172
16	COVID-19 classification by CCSHNet with deep fusion using transfer learning and discriminant correlation analysis. Information Fusion, 2021, 68, 131-148.	11.7	171
17	CLASSIFICATION OF ALZHEIMER DISEASE BASED ON STRUCTURAL MAGNETIC RESONANCE IMAGING BY KERNEL SUPPORT VECTOR MACHINE DECISION TREE. Progress in Electromagnetics Research, 2014, 144, 171-184.	1.6	168
18	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

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19	MAGNETIC RESONANCE BRAIN IMAGE CLASSIFICATION BY AN IMPROVED ARTIFICIAL BEE COLONY ALGORITHM. Progress in Electromagnetics Research, 2011, 116, 65-79.	1.6	160
20	Detection of Alzheimer's disease and mild cognitive impairment based on structural volumetric MR images using 3D-DWT and WTA-KSVM trained by PSOTVAC. Biomedical Signal Processing and Control, 2015, 21, 58-73.	3.5	158
21	Intelligent facial emotion recognition based on stationary wavelet entropy and Jaya algorithm. Neurocomputing, 2018, 272, 668-676.	3.5	156
22	Automated classification of brain images using wavelet-energy and biogeography-based optimization. Multimedia Tools and Applications, 2016, 75, 15601-15617.	2.6	145
23	Fruit Classification by Wavelet-Entropy and Feedforward Neural Network Trained by Fitness-Scaled Chaotic ABC and Biogeography-Based Optimization. Entropy, 2015, 17, 5711-5728.	1.1	144
24	A review on extreme learning machine. Multimedia Tools and Applications, 2022, 81, 41611-41660.	2.6	143
25	Identification of Green, Oolong and Black Teas in China via Wavelet Packet Entropy and Fuzzy Support Vector Machine. Entropy, 2015, 17, 6663-6682.	1.1	142
26	Alcoholism Detection by Data Augmentation and Convolutional Neural Network with Stochastic Pooling. Journal of Medical Systems, 2018, 42, 2.	2.2	133
27	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
28	RGB-D image-based detection of stairs, pedestrian crosswalks and traffic signs. Journal of Visual Communication and Image Representation, 2014, 25, 263-272.	1.7	131
29	Multivariate Approach for Alzheimer's Disease Detection Using Stationary Wavelet Entropy and Predator-Prey Particle Swarm Optimization. Journal of Alzheimer's Disease, 2018, 65, 855-869.	1.2	130
30	Single slice based detection for Alzheimer's disease via wavelet entropy and multilayer perceptron trained by biogeography-based optimization. Multimedia Tools and Applications, 2018, 77, 10393-10417.	2.6	122
31	Fruit classification by biogeography‐based optimization and feedforward neural network. Expert Systems, 2016, 33, 239-253.	2.9	116
32	Magnetic resonance brain image classification based on weighted-type fractional Fourier transform and nonparallel support vector machine. International Journal of Imaging Systems and Technology, 2015, 25, 317-327.	2.7	113
33	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
34	Magnetic Resonance Brain Image Classification via Stationary Wavelet Transform and Generalized Eigenvalue Proximal Support Vector Machine. Journal of Medical Imaging and Health Informatics, 2015, 5, 1395-1403.	0.2	111
35	A Review of Deep Learning on Medical Image Analysis. Mobile Networks and Applications, 2021, 26, 351-380.	2.2	110
36	Dual-Tree Complex Wavelet Transform and Twin Support Vector Machine for Pathological Brain Detection. Applied Sciences (Switzerland), 2016, 6, 169.	1.3	109

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37	Pathological brain detection based on wavelet entropy and Hu moment invariants. Bio-Medical Materials and Engineering, 2015, 26, S1283-S1290.	0.4	108
38	Polarimetric synthetic aperture radar image segmentation by convolutional neural network using graphical processing units. Journal of Real-Time Image Processing, 2018, 15, 631-642.	2.2	107
39	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
40	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
41	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
42	A Sustainable Deep Learning Framework for Object Recognition Using Multi-Layers Deep Features Fusion and Selection. Sustainability, 2020, 12, 5037.	1.6	105
43	Alzheimer's disease multiclass diagnosis via multimodal neuroimaging embedding feature selection and fusion. Information Fusion, 2021, 66, 170-183.	11.7	104
44	PATHOLOGICAL BRAIN DETECTION IN MAGNETIC RESONANCE IMAGING SCANNING BY WAVELET ENTROPY AND HYBRIDIZATION OF BIOGEOGRAPHY-BASED OPTIMIZATION AND PARTICLE SWARM OPTIMIZATION. Progress in Electromagnetics Research, 2015, 152, 41-58.	1.6	102
45	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
46	Multiple Sclerosis Identification by 14-Layer Convolutional Neural Network With Batch Normalization, Dropout, and Stochastic Pooling. Frontiers in Neuroscience, 2018, 12, 818.	1.4	100
47	Exponential Wavelet Iterative Shrinkage Thresholding Algorithm for compressed sensing magnetic resonance imaging. Information Sciences, 2015, 322, 115-132.	4.0	96
48	Detection of Alzheimer's disease by displacement field and machine learning. PeerJ, 2015, 3, e1251.	0.9	90
49	A Multilayer Perceptron Based Smart Pathological Brain Detection System by Fractional Fourier Entropy. Journal of Medical Systems, 2016, 40, 173.	2.2	90
50	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
51	Alcoholism Identification Based on an AlexNet Transfer Learning Model. Frontiers in Psychiatry, 2019, 10, 205.	1.3	88
52	Tea Category Identification Using a Novel Fractional Fourier Entropy and Jaya Algorithm. Entropy, 2016, 18, 77.	1.1	86
53	Abnormal Breast Detection in Mammogram Images by Feed-forward Neural Network Trained by Jaya Algorithm. Fundamenta Informaticae, 2017, 151, 191-211.	0.3	86
54	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

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55	Seven-layer deep neural network based on sparse autoencoder for voxelwise detection of cerebral microbleed. Multimedia Tools and Applications, 2018, 77, 10521-10538.	2.6	82
56	Cerebral Micro-Bleed Detection Based on the Convolution Neural Network With Rank Based Average Pooling. IEEE Access, 2017, 5, 16576-16583.	2.6	81
57	Pathological Brain Detection by a Novel Image Feature—Fractional Fourier Entropy. Entropy, 2015, 17, 8278-8296.	1.1	79
58	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
59	An MR Brain Images Classifier System via Particle Swarm Optimization and Kernel Support Vector Machine. Scientific World Journal, The, 2013, 2013, 1-9.	0.8	75
60	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
61	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
62	Cerebral micro-bleeding identification based on a nine-layer convolutional neural network with stochastic pooling. Concurrency Computation Practice and Experience, 2020, 32, e5130.	1.4	74
63	AVNC: Attention-Based VGG-Style Network for COVID-19 Diagnosis by CBAM. IEEE Sensors Journal, 2022, 22, 17431-17438.	2.4	74
64	Application of stationary wavelet entropy in pathological brain detection. Multimedia Tools and Applications, 2018, 77, 3701-3714.	2.6	73
65	StomachNet: Optimal Deep Learning Features Fusion for Stomach Abnormalities Classification. IEEE Access, 2020, 8, 197969-197981.	2.6	73
66	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
67	A path planning method using adaptive polymorphic ant colony algorithm for smart wheelchairs. Journal of Computational Science, 2018, 25, 50-57.	1.5	66
68	Remote-Sensing Image Classification Based on an Improved Probabilistic Neural Network. Sensors, 2009, 9, 7516-7539.	2.1	63
69	Fractal Dimension Estimation for Developing Pathological Brain Detection System Based on Minkowski-Bouligand Method. IEEE Access, 2016, 4, 5937-5947.	2.6	63
70	FEATURE EXTRACTION OF BRAIN MRI BY STATIONARY WAVELET TRANSFORM AND ITS APPLICATIONS. Journal of Biological Systems, 2010, 18, 115-132.	0.5	62
71	Pathological Brain Detection via Wavelet Packet Tsallis Entropy and Real-Coded Biogeography-based Optimization. Fundamenta Informaticae, 2017, 151, 275-291.	0.3	62
72	CGNet: A graph-knowledge embedded convolutional neural network for detection of pneumonia. Information Processing and Management, 2021, 58, 102411.	5.4	62

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73	Cerebral Micro-Bleeding Detection Based on Densely Connected Neural Network. Frontiers in Neuroscience, 2019, 13, 422.	1.4	61
74	Pathological brain detection in MRI scanning by wavelet packet Tsallis entropy and fuzzy support vector machine. SpringerPlus, 2015, 4, 716.	1.2	60
75	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
76	Heterogeneous data fusion for predicting mild cognitive impairment conversion. Information Fusion, 2021, 66, 54-63.	11.7	60
77	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
78	Transfer learning for medical images analyses: A survey. Neurocomputing, 2022, 489, 230-254.	3.5	60
79	Exponential wavelet iterative shrinkage thresholding algorithm with random shift for compressed sensing magnetic resonance imaging. IEEJ Transactions on Electrical and Electronic Engineering, 2015, 10, 116-117.	0.8	58
80	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
81	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
82	Magnetic resonance brain classification by a novel binary particle swarm optimization with mutation and time-varying acceleration coefficients. Biomedizinische Technik, 2016, 61, 431-441.	0.9	55
83	Alcoholism detection by medical robots based on Hu moment invariants and predator-prey adaptive-inertia chaotic particle swarm optimization. Computers and Electrical Engineering, 2017, 63, 126-138.	3.0	55
84	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
85	Detection of Pathological Brain in MRI Scanning Based on Wavelet-Entropy and Naive Bayes Classifier. Lecture Notes in Computer Science, 2015, , 201-209.	1.0	54
86	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
87	Covid-19 diagnosis by WE-SAJ. Systems Science and Control Engineering, 2022, 10, 325-335.	1.8	54
88	ResGNet-C: A graph convolutional neural network for detection of COVID-19. Neurocomputing, 2021, 452, 592-605.	3.5	53
89	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
90	A pathological brain detection system based on kernel based ELM. Multimedia Tools and Applications, 2018, 77, 3715-3728.	2.6	50

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91	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
92	Fruit category classification via an eight-layer convolutional neural network with parametric rectified linear unit and dropout technique. Multimedia Tools and Applications, 2020, 79, 15117-15133.	2.6	50
93	UCAV Path Planning by Fitness-Scaling Adaptive Chaotic Particle Swarm Optimization. Mathematical Problems in Engineering, 2013, 2013, 1-9.	0.6	48
94	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
95	Color image enhancement based on HVS and PCNN. Science China Information Sciences, 2010, 53, 1963-1976.	2.7	47
96	Fitness-scaling adaptive genetic algorithm with local search for solving the Multiple Depot Vehicle Routing Problem. Simulation, 2016, 92, 601-616.	1.1	47
97	Voxelwise detection of cerebral microbleed in CADASIL patients by leaky rectified linear unit and early stopping. Multimedia Tools and Applications, 2018, 77, 21825-21845.	2.6	47
98	Ensemble-classifiers-assisted detection of cerebral microbleeds in brain MRI. Computers and Electrical Engineering, 2018, 69, 768-781.	3.0	46
99	Combining extreme learning machine with modified sine cosine algorithm for detection of pathological brain. Computers and Electrical Engineering, 2018, 68, 366-380.	3.0	46
100	A Heuristic Neural Network Structure Relying on Fuzzy Logic for Images Scoring. IEEE Transactions on Fuzzy Systems, 2021, 29, 34-45.	6.5	46
101	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
102	A novel algorithm for all pairs shortest path problem based on matrix multiplication and pulse coupled neural network. , 2011, 21, 517-521.		44
103	Sensorineural hearing loss detection via discrete wavelet transform and principal component analysis combined with generalized eigenvalue proximal support vector machine and Tikhonov regularization. Multimedia Tools and Applications, 2018, 77, 3775-3793.	2.6	44
104	Five-category classification of pathological brain images based on deep stacked sparse autoencoder. Multimedia Tools and Applications, 2019, 78, 4045-4064.	2.6	44
105	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
106	Detecting stairs and pedestrian crosswalks for the blind by RGBD camera. , 2012, , .		43
107	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
108	Diagnosis of COVID-19 Pneumonia via a Novel Deep Learning Architecture. Journal of Computer Science and Technology, 2022, 37, 330-343.	0.9	43

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109	A Rule-Based Model for Bankruptcy Prediction Based on an Improved Genetic Ant Colony Algorithm. Mathematical Problems in Engineering, 2013, 2013, 1-10.	0.6	42
110	Detection of Left-Sided and Right-Sided Hearing Loss via Fractional Fourier Transform. Entropy, 2016, 18, 194.	1.1	42
111	Preliminary research on abnormal brain detection by wavelet-energy and quantum- behaved PSO. Technology and Health Care, 2016, 24, S641-S649.	0.5	42
112	Combination of stationary wavelet transform and kernel support vector machines for pathological brain detection. Simulation, 2016, 92, 827-837.	1.1	42
113	Image processing methods to elucidate spatial characteristics of retinal microglia after optic nerve transection. Scientific Reports, 2016, 6, 21816.	1.6	42
114	Effect of spider-web-plot in MR brain image classification. Pattern Recognition Letters, 2015, 62, 14-16.	2.6	41
115	COVID-19 Diagnosis via DenseNet and Optimization of Transfer Learning Setting. Cognitive Computation, 2021, , 1-17.	3.6	41
116	PATHOLOGICAL BRAIN DETECTION BY ARTIFICIAL INTELLIGENCE IN MAGNETIC RESONANCE IMAGING SCANNING (INVITED REVIEW). Progress in Electromagnetics Research, 2016, 156, 105-133.	1.6	38
117	A classification method for brain MRI via MobileNet and feedforward network with random weights. Pattern Recognition Letters, 2020, 140, 252-260.	2.6	38
118	Detection of abnormal MR brains based on wavelet entropy and feature selection. IEEJ Transactions on Electrical and Electronic Engineering, 2016, 11, 364-373.	0.8	37
119	Tea category identification based on optimal wavelet entropy and weighted k-Nearest Neighbors algorithm. Multimedia Tools and Applications, 2018, 77, 3745-3759.	2.6	37
120	A comprehensive survey on convolutional neural network in medical image analysis. Multimedia Tools and Applications, 2022, 81, 41361-41405.	2.6	37
121	Detection of Unilateral Hearing Loss by Stationary Wavelet Entropy. CNS and Neurological Disorders - Drug Targets, 2017, 16, 122-128.	0.8	37
122	Fingerspelling Identification for Chinese Sign Language via AlexNet-Based Transfer Learning and Adam Optimizer. Scientific Programming, 2020, 2020, 1-13.	0.5	36
123	Three-Category Classification of Magnetic Resonance Hearing Loss Images Based on Deep Autoencoder. Journal of Medical Systems, 2017, 41, 165.	2.2	35
124	Wavelet energy entropy and linear regression classifier for detecting abnormal breasts. Multimedia Tools and Applications, 2018, 77, 3813-3832.	2.6	35
125	Abnormality Diagnosis in Mammograms by Transfer Learning Based on ResNet18. Fundamenta Informaticae, 2019, 168, 219-230.	0.3	35
126	AN IMPROVED QUALITY GUIDED PHASE UNWRAPPING METHOD AND ITS APPLICATIONS TO MRI. Progress in Electromagnetics Research, 2014, 145, 273-286.	1.6	34

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127	Multiple Sclerosis Identification Based on Fractional Fourier Entropy and a Modified Jaya Algorithm. Entropy, 2018, 20, 254.	1.1	33
128	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
129	SYNTHETIC MINORITY OVERSAMPLING TECHNIQUE AND FRACTAL DIMENSION FOR IDENTIFYING MULTIPLE SCLEROSIS. Fractals, 2017, 25, 1740010.	1.8	31
130	Expression of Concern: A gingivitis identification method based on contrast–limited adaptive histogram equalization, gray–level co–occurrence matrix, and extreme learning machine. International Journal of Imaging Systems and Technology, 2019, 29, 77-82.	2.7	31
131	A systematic survey of deep learning in breast cancer. International Journal of Intelligent Systems, 2022, 37, 152-216.	3.3	29
132	An eight-layer convolutional neural network with stochastic pooling, batch normalization and dropout for fingerspelling recognition of Chinese sign language. Multimedia Tools and Applications, 2020, 79, 15697-15715.	2.6	28
133	Morphological analysis of dendrites and spines by hybridization of ridge detection with twin support vector machine. PeerJ, 2016, 4, e2207.	0.9	27
134	Tea Category Identification using Computer Vision and Generalized Eigenvalue Proximal SVM. Fundamenta Informaticae, 2017, 151, 325-339.	0.3	27
135	Brain Age Prediction of Children Using Routine Brain MR Images via Deep Learning. Frontiers in Neurology, 2020, 11, 584682.	1.1	27
136	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
137	Genetic Pattern Search and Its Application to Brain Image Classification. Mathematical Problems in Engineering, 2013, 2013, 1-8.	0.6	25
138	A Survey on Artificial Intelligence in Chinese Sign Language Recognition. Arabian Journal for Science and Engineering, 2020, 45, 9859-9894.	1.7	25
139	Detecting pathological brain via ResNet and randomized neural networks. Heliyon, 2020, 6, e05625.	1.4	25
140	Pseudo Zernike Moment and Deep Stacked Sparse Autoencoder for COVID-19 Diagnosis. Computers, Materials and Continua, 2021, 69, 3145-3162.	1.5	25
141	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
142	CGENet: A Deep Graph Model for COVID-19 Detection Based on Chest CT. Biology, 2022, 11, 33.	1.3	25
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146	EDNC: Ensemble Deep Neural Network for COVID-19 Recognition. Tomography, 2022, 8, 869-890.	0.8	23
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148	Multi-Scale Feature Combination of Brain Functional Network for eMCI Classification. IEEE Access, 2019, 7, 74263-74273.	2.6	22
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151	Identification of Alcoholism Based on Wavelet Renyi Entropy and Three-Segment Encoded Jaya Algorithm. Complexity, 2018, 2018, 1-13.	0.9	21
152	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
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154	TBNet: a context-aware graph network for tuberculosis diagnosis. Computer Methods and Programs in Biomedicine, 2022, 214, 106587.	2.6	20
155	A note on the weight of inverse complexity in improved hybrid genetic algorithm. Journal of Medical Systems, 2016, 40, 150.	2.2	19
156	A Comprehensive Survey on Fractional Fourier Transform. Fundamenta Informaticae, 2017, 151, 1-48.	0.3	19
157	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
158	Classification of cerebral microbleeds based on fully-optimized convolutional neural network. Multimedia Tools and Applications, 2020, 79, 15151-15169.	2.6	19
159	Camera-Based Signage Detection and Recognition for Blind Persons. Lecture Notes in Computer Science, 2012, , 17-24.	1.0	19
160	PSCNN: PatchShuffle Convolutional Neural Network for COVID-19 Explainable Diagnosis. Frontiers in Public Health, 2021, 9, 768278.	1.3	18
161	BCNet: A Novel Network for Blood Cell Classification. Frontiers in Cell and Developmental Biology, 2021, 9, 813996.	1.8	18
162	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

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164	TReC: Transferred ResNet and CBAM for Detecting Brain Diseases. Frontiers in Neuroinformatics, 2021, 15, 781551.	1.3	17
165	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
166	Deep Fractional Max Pooling Neural Network for COVID-19 Recognition. Frontiers in Public Health, 2021, 9, 726144.	1.3	16
167	Spam Detection via Feature Selection and Decision Tree. Advanced Science Letters, 2012, 5, 726-730.	0.2	16
168	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
169	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
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172	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
173	Secondary Pulmonary Tuberculosis Identification Via pseudo-Zernike Moment and Deep Stacked Sparse Autoencoder. Journal of Grid Computing, 2022, 20, 1.	2.5	14
174	Three-dimensional reconstruction of CT image features based on multi-threaded deep learning calculation. Pattern Recognition Letters, 2020, 136, 309-315.	2.6	13
175	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
176	Convolutional Bi-LSTM Based Human Gait Recognition Using Video Sequences. Computers, Materials and Continua, 2021, 68, 2693-2709.	1.5	13
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