

Yu-Dong Zhang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

408
papers

12,355
citations

62
h-index

94
g-index

468
ext. papers

16,264
ext. citations

3.4
avg, IF

7.47
L-index

#	Paper	IF	Citations
408	Breast Cancer Classification from Ultrasound Images Using Probability-Based Optimal Deep Learning Feature Fusion.. <i>Sensors</i> , 2022 , 22,	3.8	22
407	Confidence-and-Refinement Adaptation Model for Cross-Domain Semantic Segmentation. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-14	6.1	2
406	A multi-focus color image fusion algorithm based on low vision image reconstruction and focused feature extraction. <i>Signal Processing: Image Communication</i> , 2022 , 100, 116533	2.8	2
405	DSSAE: Deep Stacked Sparse Autoencoder Analytical Model for COVID-19 Diagnosis by Fractional Fourier Entropy. <i>ACM Transactions on Management Information Systems</i> , 2022 , 13, 1-20	2	5
404	Diagnosis of COVID-19 Pneumonia via a Novel Deep Learning Architecture.. <i>Journal of Computer Science and Technology</i> , 2022 , 37, 330-343	1.7	5
403	A systematic survey of deep learning in breast cancer. <i>International Journal of Intelligent Systems</i> , 2022 , 37, 152	8.4	4
402	SARS-Net: COVID-19 detection from chest x-rays by combining graph convolutional network and convolutional neural network. <i>Pattern Recognition</i> , 2022 , 122, 108255	7.7	13
401	VISPNN: VGG-Inspired Stochastic Pooling Neural Network. <i>Computers, Materials and Continua</i> , 2022 , 70, 3081-3097	3.9	10
400	Deep Rank-Based Average Pooling Network for Covid-19 Recognition. <i>Computers, Materials and Continua</i> , 2022 , 70, 2797-2813	3.9	17
399	MMatch: Semi-supervised Discriminative Representation Learning For Multi-view Classification. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2022 , 1-1	6.4	2
398	From Less to More: Progressive Generalized Zero-Shot Detection With Curriculum Learning. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-14	6.1	1
397	EDNC: Ensemble Deep Neural Network for COVID-19 Recognition.. <i>Tomography</i> , 2022 , 8, 869-890	3.1	6
396	Analysis methods of coronary artery intravascular images: A review. <i>Neurocomputing</i> , 2022 , 489, 27-39	5.4	0
395	Transfer learning for medical images analyses: A survey. <i>Neurocomputing</i> , 2022 , 489, 230-254	5.4	5
394	Secondary Pulmonary Tuberculosis Identification Via pseudo-Zernike Moment and Deep Stacked Sparse Autoencoder.. <i>Journal of Grid Computing</i> , 2022 , 20, 1	4.2	6
393	Novel Meta-heuristic Algorithm for Feature Selection, Unconstrained Functions and Engineering Problems. <i>IEEE Access</i> , 2022 , 1-1	3.5	6
392	TSRNet: Diagnosis of COVID-19 based on self-supervised learning and hybrid ensemble model.. <i>Computers in Biology and Medicine</i> , 2022 , 146, 105531	7	0

391	An efficient spatial transformation-based entropy retained reversible data hiding scheme in encrypted images. <i>Optik</i> , 2022 , 261, 169211	2.5	2
390	An overview of artificial intelligence techniques for diagnosis of Schizophrenia based on magnetic resonance imaging modalities: Methods, challenges, and future works.. <i>Computers in Biology and Medicine</i> , 2022 , 146, 105554	7	9
389	Agnostic multimodal brain anomalies detection using a novel single-structured framework for better patient diagnosis and therapeutic planning in clinical oncology. <i>Biomedical Signal Processing and Control</i> , 2022 , 77, 103786	4.9	0
388	RDNet: ResNet-18 with Dropout for Blood Cell Classification. <i>Lecture Notes in Computer Science</i> , 2022 , 136-144	0.9	
387	ConvNet-CA: A Lightweight Attention-Based CNN for Brain Disease Detection. <i>Lecture Notes in Computer Science</i> , 2022 , 3-12	0.9	
386	Covid-19 Detection by Wavelet Entropy and Self-adaptive PSO. <i>Lecture Notes in Computer Science</i> , 2022 , 125-135	0.9	0
385	A Hybrid Framework for Lung Cancer Classification. <i>Electronics (Switzerland)</i> , 2022 , 11, 1614	2.6	1
384	Multifractal complexity analysis-based dynamic media text categorization models by natural language processing with BERT 2022 , 95-115		1
383	Two-Scale Multimodal Medical Image Fusion Based on Structure Preservation.. <i>Frontiers in Computational Neuroscience</i> , 2021 , 15, 803724	3.5	1
382	BCNet: A Novel Network for Blood Cell Classification.. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 813996	5.7	4
381	Automatic Diagnosis of Schizophrenia in EEG Signals Using CNN-LSTM Models.. <i>Frontiers in Neuroinformatics</i> , 2021 , 15, 777977	3.9	17
380	Greedy Autoaugment for classification of mycobacterium tuberculosis image via generalized deep CNN using mixed pooling based on minimum square rough entropy.. <i>Computers in Biology and Medicine</i> , 2021 , 141, 105175	7	3
379	TBNet: a context-aware graph network for tuberculosis diagnosis.. <i>Computer Methods and Programs in Biomedicine</i> , 2021 , 214, 106587	6.9	1
378	FGFF Descriptor and Modified Hu Moment-Based Hand Gesture Recognition. <i>Sensors</i> , 2021 , 21,	3.8	1
377	A convolutional neural network model based reversible data hiding scheme in encrypted images with block-wise Arnold transform. <i>Optik</i> , 2021 , 250, 168137	2.5	2
376	PBTNet: A New Computer-Aided Diagnosis System for Detecting Primary Brain Tumors. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 765654	5.7	1
375	Brain Tumour Segmentation with a Muti-Pathway ResNet Based UNet. <i>Journal of Grid Computing</i> , 2021 , 19, 1	4.2	1
374	Introduction to the Special Issue on Explainable Deep Learning for Medical Image Computing. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2021 , 17, 1-2	3.4	

373	A Survey of Computer-Aided Tumor Diagnosis Based on Convolutional Neural Network. <i>Biology</i> , 2021 , 10,	4.9	5
372	Color painting predicts clinical symptoms in chronic schizophrenia patients via deep learning. <i>BMC Psychiatry</i> , 2021 , 21, 522	4.2	0
371	PSCNN: PatchShuffle Convolutional Neural Network for COVID-19 Explainable Diagnosis. <i>Frontiers in Public Health</i> , 2021 , 9, 768278	6	11
370	Sparse structure deep network embedding for transforming brain functional network in early mild cognitive impairment classification. <i>International Journal of Imaging Systems and Technology</i> , 2021 , 31, 1197-1210	2.5	4
369	Ensemble learning with attention-based multiple instance pooling for classification of SPT. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 1-1	3.5	1
368	Prediction of COVID-19 - Pneumonia based on Selected Deep Features and One Class Kernel Extreme Learning Machine. <i>Computers and Electrical Engineering</i> , 2021 , 90, 106960	4.3	50
367	Customized VGG19 Architecture for Pneumonia Detection in Chest X-Rays. <i>Pattern Recognition Letters</i> , 2021 , 143, 67-74	4.7	34
366	Artificial bee colony algorithm with adaptive covariance matrix for hearing loss detection. <i>Knowledge-Based Systems</i> , 2021 , 216, 106792	7.3	5
365	PSSPNN: PatchShuffle Stochastic Pooling Neural Network for an Explainable Diagnosis of COVID-19 with Multiple-Way Data Augmentation. <i>Computational and Mathematical Methods in Medicine</i> , 2021 , 2021, 6633755	2.8	23
364	Guest Editorial Optimization of Electric Vehicle Networks and Heterogeneous Networking in Future Smart Cities. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 1748-1751	6.1	
363	Attributes based skin lesion detection and recognition: A mask RCNN and transfer learning-based deep learning framework. <i>Pattern Recognition Letters</i> , 2021 , 143, 58-66	4.7	39
362	High-density mapping for gray leaf spot resistance using two related tropical maize recombinant inbred line populations. <i>Molecular Biology Reports</i> , 2021 , 48, 3379-3392	2.8	0
361	Probability Ordinal-Preserving Semantic Hashing for Large-Scale Image Retrieval. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2021 , 15, 1-22	4	5
360	Renal Lesion Classification in Kidney CT Images by Seven-Layer Convolution Neural Network. <i>Journal of Medical Imaging and Health Informatics</i> , 2021 , 11, 1422-1430	1.2	1
359	Modeling of diagnosis for metabolic syndrome by integrating symptoms into physiochemical indexes. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 137, 111367	7.5	4
358	Deep learning optimization method for counting overlapping rice seeds. <i>Journal of Food Process Engineering</i> , 2021 , 44, e13787	2.4	1
357	Correlation-Based Analysis of COVID-19 Virus Genome Versus Other Fatal Virus Genomes. <i>Arabian Journal for Science and Engineering</i> , 2021 , 1-13	2.5	1
356	Research on performance of rigid-hoop-reinforced multi-DOF soft actuator. <i>Advances in Mechanical Engineering</i> , 2021 , 13, 168781402110267	1.2	0

355	ADVIAN: Alzheimer's Disease VGG-Inspired Attention Network Based on Convolutional Block Attention Module and Multiple Way Data Augmentation. <i>Frontiers in Aging Neuroscience</i> , 2021 , 13, 6874-6956	5.3	23
354	A noise robust convolutional neural network for image classification. <i>Results in Engineering</i> , 2021 , 10, 100225	3.3	13
353	SOSPCNN: Structurally Optimized Stochastic Pooling Convolutional Neural Network for Tetralogy of Fallot recognition.. <i>Wireless Communications and Mobile Computing</i> , 2021 , 2021, 1-17	1.9	4
352	ResNet-SCDA-50 for Breast Abnormality Classification. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2021 , 18, 94-102	3	20
351	A Heuristic Neural Network Structure Relying on Fuzzy Logic for Images Scoring. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 29, 34-45	8.3	32
350	A Review of Deep Learning on Medical Image Analysis. <i>Mobile Networks and Applications</i> , 2021 , 26, 351-380	3.8	27
349	CGNet: A graph-knowledge embedded convolutional neural network for detection of pneumonia. <i>Information Processing and Management</i> , 2021 , 58, 102411	6.3	25
348	. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 839-848	11.9	31
347	Covid-19 classification by FGCNet with deep feature fusion from graph convolutional network and convolutional neural network. <i>Information Fusion</i> , 2021 , 67, 208-229	16.7	115
346	Improved Breast Cancer Classification Through Combining Graph Convolutional Network and Convolutional Neural Network. <i>Information Processing and Management</i> , 2021 , 58, 102439	6.3	73
345	Improving ductal carcinoma in situ classification by convolutional neural network with exponential linear unit and rank-based weighted pooling. <i>Complex & Intelligent Systems</i> , 2021 , 7, 1295-1310	7.1	16
344	A five-layer deep convolutional neural network with stochastic pooling for chest CT-based COVID-19 diagnosis. <i>Machine Vision and Applications</i> , 2021 , 32, 14	2.8	36
343	COVID-19 classification by CCSHNet with deep fusion using transfer learning and discriminant correlation analysis. <i>Information Fusion</i> , 2021 , 68, 131-148	16.7	78
342	Sensorineural hearing loss classification via deep-HLNet and few-shot learning. <i>Multimedia Tools and Applications</i> , 2021 , 80, 2109-2122	2.5	
341	A smartly designed automated map based clustering algorithm for the enhanced diagnosis of pathologies in brain MR images. <i>Expert Systems</i> , 2021 , 38, e12625	2.1	1
340	SAR Speckle Removal Using Hybrid Frequency Modulations. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 3956-3966	8.1	23
339	Deep Spatio-Temporal Representation and Ensemble Classification for Attention Deficit/Hyperactivity Disorder. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2021 , 29, 1-10	4.8	10
338	Introduction to the Special Issue on Computer Modelling of Transmission, Spread, Control and Diagnosis of COVID-19. <i>CMES - Computer Modeling in Engineering and Sciences</i> , 2021 , 127, 385-387	1.7	1

337	Efficient Identity-based Encryption with Revocation for Data Privacy in Internet of Things. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	1
336	Adaptive Object Tracking Discriminate Model for Multi-Camera Panorama Surveillance in Airport Apron. <i>CMES - Computer Modeling in Engineering and Sciences</i> , 2021 , 129, 191-205	1.7	1
335	UMAG-Net: A New Unsupervised Multiattention-Guided Network for Hyperspectral and Multispectral Image Fusion. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 14, 7373-7385	4.7	7
334	Analysis and Design of On-Chip RF Interconnect Line for Wideband True-Time Delay Line Application. <i>Journal of Circuits, Systems and Computers</i> , 2021 , 30, 2150146	0.9	
333	AVNC: Attention-based VGG-style network for COVID-19 diagnosis by CBAM. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	16
332	A Review of Deep-Learning-Based Medical Image Segmentation Methods. <i>Sustainability</i> , 2021 , 13, 1224	3.6	50
331	IEEE Access Special Section Editorial: Emerging Deep Learning Theories and Methods for Biomedical Engineering. <i>IEEE Access</i> , 2021 , 9, 74038-74043	3.5	
330	A dual-stage attention-based Conv-LSTM network for spatio-temporal correlation and multivariate time series prediction. <i>International Journal of Intelligent Systems</i> , 2021 , 36, 2036-2057	8.4	25
329	Epilepsy EEG Classification Based on Convolution Support Vector Machine. <i>Journal of Medical Imaging and Health Informatics</i> , 2021 , 11, 25-32	1.2	4
328	Multiclass Stomach Diseases Classification Using Deep Learning Features Optimization. <i>Computers, Materials and Continua</i> , 2021 , 67, 3381-3399	3.9	4
327	Pseudo Zernike Moment and Deep Stacked Sparse Autoencoder for COVID-19 Diagnosis. <i>Computers, Materials and Continua</i> , 2021 , 69, 3145-3162	3.9	12
326	MRDDANet: A Multiscale Residual Dense Dual Attention Network for SAR Image Denoising. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-13	8.1	4
325	COVID-19 Diagnosis via DenseNet and Optimization of Transfer Learning Setting. <i>Cognitive Computation</i> , 2021 , 1-17	4.4	21
324	Virtual special issue on advanced deep learning methods for biomedical engineering. <i>Pattern Recognition Letters</i> , 2021 , 142, 46-47	4.7	0
323	DisepNet for breast abnormality recognition. <i>Computers and Electrical Engineering</i> , 2021 , 90, 106961	4.3	2
322	Pixels to Classes: Intelligent Learning Framework for Multiclass Skin Lesion Localization and Classification. <i>Computers and Electrical Engineering</i> , 2021 , 90, 106956	4.3	31
321	Putative genes for resistance to gray leaf spot of maize based on genomic resequencing using recombinant inbred lines. <i>Crop Science</i> , 2021 , 61, 3361-3372	2.4	
320	Automated Grapevine Cultivar Identification via Leaf Imaging and Deep Convolutional Neural Networks: A Proof-of-Concept Study Employing Primary Iranian Varieties. <i>Plants</i> , 2021 , 10,	4.5	11

3 ¹⁹	Deep Fractional Max Pooling Neural Network for COVID-19 Recognition. <i>Frontiers in Public Health</i> , 2021 , 9, 726144	6	9
3 ¹⁸	A cerebral microbleed diagnosis method via FeatureNet and ensembled randomized neural networks. <i>Applied Soft Computing Journal</i> , 2021 , 109, 107567	7.5	2
3 ¹⁷	ResGNet-C: A graph convolutional neural network for detection of COVID-19. <i>Neurocomputing</i> , 2021 , 452, 592-605	5.4	26
3 ¹⁶	Cerebral Microbleed Detection Convolutional Neural Network and Extreme Learning Machine. <i>Frontiers in Computational Neuroscience</i> , 2021 , 15, 738885	3.5	0
3 ¹⁵	Multiple Sclerosis Recognition by Biorthogonal Wavelet Features and Fitness-Scaled Adaptive Genetic Algorithm. <i>Frontiers in Neuroscience</i> , 2021 , 15, 737785	5.1	3
3 ¹⁴	CSGBBNet: An Explainable Deep Learning Framework for COVID-19 Detection. <i>Diagnostics</i> , 2021 , 11,	3.8	1
3 ¹³	Structure-Aided 2-D Autofocus for Airborne Bistatic Synthetic Aperture Radar. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 7500-7516	8.1	2
3 ¹²	Integrated intelligence of neuro-evolution with sequential quadratic programming for second-order LaneEmden pantograph models. <i>Mathematics and Computers in Simulation</i> , 2021 , 188, 87-101	3.3	17
3 ¹¹	MIDCAN: A multiple input deep convolutional attention network for Covid-19 diagnosis based on chest CT and chest X-ray. <i>Pattern Recognition Letters</i> , 2021 , 150, 8-16	4.7	29
3 ¹⁰	MFBCNNC: Momentum factor biogeography convolutional neural network for COVID-19 detection via chest X-ray images. <i>Knowledge-Based Systems</i> , 2021 , 232, 107494	7.3	5
3 ⁰⁹	Advances in Data Preprocessing for Biomedical Data Fusion: An Overview of the Methods, Challenges, and Prospects. <i>Information Fusion</i> , 2021 , 76, 376-421	16.7	18
3 ⁰⁸	3DCANN: A Spatio-Temporal Convolution Attention Neural Network for EEG Emotion Recognition. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , PP,	7.2	5
3 ⁰⁷	Classification of Positive COVID-19 CT Scans using Deep Learning. <i>Computers, Materials and Continua</i> , 2021 , 66, 2923-2938	3.9	15
3 ⁰⁶	ANC: Attention Network for COVID-19 Explainable Diagnosis Based on Convolutional Block Attention Module. <i>CMES - Computer Modeling in Engineering and Sciences</i> , 2021 , 127, 1037-1058	1.7	15
3 ⁰⁵	Classification of Domestic Refuse in Medical Institutions Based on Transfer Learning and Convolutional Neural Network. <i>CMES - Computer Modeling in Engineering and Sciences</i> , 2021 , 127, 599-620	1.7	1
3 ⁰⁴	A hybrid feature descriptor with Jaya optimised least squares SVM for facial expression recognition. <i>IET Image Processing</i> , 2021 , 15, 1471-1483	1.7	1
3 ⁰³	TReC: Transferred ResNet and CBAM for Detecting Brain Diseases.. <i>Frontiers in Neuroinformatics</i> , 2021 , 15, 781551	3.9	4
3 ⁰²	Tiled Sparse Coding in Eigenspaces for Image Classification.. <i>International Journal of Neural Systems</i> , 2021 , 2250007	6.2	0

301	Detecting pathological brain via ResNet and randomized neural networks. <i>Heliyon</i> , 2020 , 6, e05625	3.6	6
300	Using CNN with Bayesian optimization to identify cerebral micro-bleeds. <i>Machine Vision and Applications</i> , 2020 , 31, 1	2.8	12
299	Artificial intelligence within the interplay between natural and artificial computation: Advances in data science, trends and applications. <i>Neurocomputing</i> , 2020 , 410, 237-270	5.4	67
298	A Review on Serious Games for Dementia Care in Ageing Societies. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2020 , 8, 1400411	3	12
297	IEEE Access Special Section Editorial: Deep Learning for Computer-Aided Medical Diagnosis. <i>IEEE Access</i> , 2020 , 8, 96804-96810	3.5	1
296	Brain Networks of Maintenance, Inhibition and Disinhibition During Working Memory. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020 , 28, 1518-1527	4.8	3
295	A multilevel paradigm for deep convolutional neural network features selection with an application to human gait recognition. <i>Expert Systems</i> , 2020 , e12541	2.1	30
294	Detection of abnormal brain in MRI via improved AlexNet and ELM optimized by chaotic bat algorithm. <i>Neural Computing and Applications</i> , 2020 , 33, 10799	4.8	25
293	Fingerspelling Identification for Chinese Sign Language via AlexNet-Based Transfer Learning and Adam Optimizer. <i>Scientific Programming</i> , 2020 , 2020, 1-13	1.4	14
292	Multivariate analysis of dual-point amyloid PET intended to assist the diagnosis of Alzheimer's disease. <i>Neurocomputing</i> , 2020 , 417, 1-9	5.4	1
291	Impact of donor QTL on grain yield and gray leaf spot of four recombinant inbred lines of maize. <i>Crop Science</i> , 2020 , 60, 841-851	2.4	2
290	A deep stacked random vector functional link network autoencoder for diagnosis of brain abnormalities and breast cancer. <i>Biomedical Signal Processing and Control</i> , 2020 , 58, 101860	4.9	24
289	Smart deep learning-based approach for non-destructive freshness diagnosis of common carp fish. <i>Journal of Food Engineering</i> , 2020 , 278, 109930	6	27
288	Accurate classification of cherry fruit using deep CNN based on hybrid pooling approach. <i>Postharvest Biology and Technology</i> , 2020 , 166, 111204	6.2	33
287	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	3.4	36
286	Classification of Alzheimer's Disease via Eight-Layer Convolutional Neural Network with Batch Normalization and Dropout Techniques. <i>Journal of Medical Imaging and Health Informatics</i> , 2020 , 10, 1040-1048	1.2	16
285	Diagnosis of COVID-19 by Wavelet Renyi Entropy and Three-Segment Biogeography-Based Optimization. <i>International Journal of Computational Intelligence Systems</i> , 2020 , 13, 1332	3.4	28
284	Detection of COVID-19 by GoogLeNet-COD. <i>Lecture Notes in Computer Science</i> , 2020 , 499-509	0.9	4

283	Theory, Analyses and Predictions of Multifractal Formalism and Multifractal Modelling for Stroke Subtypes Classification. <i>Lecture Notes in Computer Science</i> , 2020 , 410-425	0.9	
282	Automated detection of diabetic retinopathy using convolutional neural networks on a small dataset. <i>Pattern Recognition Letters</i> , 2020 , 135, 293-298	4.7	21
281	Automated unsupervised learning-based clustering approach for effective anomaly detection in brain magnetic resonance imaging (MRI). <i>IET Image Processing</i> , 2020 , 14, 3516-3526	1.7	1
280	Deep-learning framework to detect lung abnormality A study with chest X-Ray and lung CT scan images. <i>Pattern Recognition Letters</i> , 2020 , 129, 271-278	4.7	128
279	Lungs cancer classification from CT images: An integrated design of contrast based classical features fusion and selection. <i>Pattern Recognition Letters</i> , 2020 , 129, 77-85	4.7	57
278	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	2.5	6
277	Classification of sour lemons based on apparent defects using stochastic pooling mechanism in deep convolutional neural networks. <i>Scientia Horticulturae</i> , 2020 , 263, 109133	4.1	38
276	Characterizing Complexity and Self-Similarity Based on Fractal and Entropy Analyses for Stock Market Forecast Modelling. <i>Expert Systems With Applications</i> , 2020 , 144, 113098	7.8	20
275	An Intelligent prediction model for UCG state based on dual-source LSTM. <i>International Journal of Machine Learning and Cybernetics</i> , 2020 , 1	3.8	5
274	A seven-layer convolutional neural network for chest CT based COVID-19 diagnosis using stochastic pooling. <i>IEEE Sensors Journal</i> , 2020 , 1-1	4	18
273	A Survey on Artificial Intelligence in Chinese Sign Language Recognition. <i>Arabian Journal for Science and Engineering</i> , 2020 , 45, 9859-9894	2.5	10
272	Brain Age Prediction of Children Using Routine Brain MR Images via Deep Learning. <i>Frontiers in Neurology</i> , 2020 , 11, 584682	4.1	4
271	Fully Optimized Convolutional Neural Network Based on Small-Scale Crowd 2020 ,		2
270	Advances in multimodal data fusion in neuroimaging: Overview, challenges, and novel orientation. <i>Information Fusion</i> , 2020 , 64, 149-187	16.7	85
269	A resource conscious human action recognition framework using 26-layered deep convolutional neural network. <i>Multimedia Tools and Applications</i> , 2020 , 1	2.5	28
268	H-WordNet: a holistic convolutional neural network approach for handwritten word recognition. <i>IET Image Processing</i> , 2020 , 14, 1794-1805	1.7	7
267	Smart Identification of Topographically Variant Anomalies in Brain Magnetic Resonance Imaging Using a Fish School-Based Fuzzy Clustering Approach. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	5
266	Computer-Aided Gastrointestinal Diseases Analysis From Wireless Capsule Endoscopy: A Framework of Best Features Selection. <i>IEEE Access</i> , 2020 , 8, 132850-132859	3.5	58

265	A classification method for brain MRI via MobileNet and feedforward network with random weights. <i>Pattern Recognition Letters</i> , 2020 , 140, 252-260	4.7	18
264	Diagnosis of secondary pulmonary tuberculosis by an eight-layer improved convolutional neural network with stochastic pooling and hyperparameter optimization. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020 , 1	3.7	11
263	90P Abnormal breast detection by an improved AlexNet model. <i>Annals of Oncology</i> , 2020 , 31, S277	10.3	2
262	Extended Gaussian sphere and similarity fusion method for reassembly of 3D cultural relics. <i>Multimedia Tools and Applications</i> , 2020 , 79, 30187-30203	2.5	0
261	A comprehensive survey on convolutional neural network in medical image analysis. <i>Multimedia Tools and Applications</i> , 2020 , 1	2.5	14
260	Mixing Patterns in Social Trust Networks: A Social Identity Theory Perspective. <i>IEEE Transactions on Computational Social Systems</i> , 2020 , 1-13	4.5	3
259	Multimodal lung tumor image recognition algorithm based on integrated convolutional neural network. <i>Concurrency Computation Practice and Experience</i> , 2020 , 32, e4965	1.4	5
258	Alcoholism identification via convolutional neural network based on parametric ReLU, dropout, and batch normalization. <i>Neural Computing and Applications</i> , 2020 , 32, 665-680	4.8	90
257	Cerebral micro-bleeding identification based on a nine-layer convolutional neural network with stochastic pooling. <i>Concurrency Computation Practice and Experience</i> , 2020 , 32, e5130	1.4	48
256	3D reconstruction method of forest landscape based on virtual reality. <i>Multimedia Tools and Applications</i> , 2020 , 79, 16369-16383	2.5	
255	mDixon-Based Synthetic CT Generation for PET Attenuation Correction on Abdomen and Pelvis Jointly Using Transfer Fuzzy Clustering and Active Learning-Based Classification. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 819-832	11.7	37
254	Sensorineural Hearing Loss Identification via Discrete Wavelet Packet Entropy and Cat Swarm Optimization. <i>Springer Tracts in Nature-inspired Computing</i> , 2020 , 129-150	1.8	1
253	Oriented grouping-constrained spectral clustering for medical imaging segmentation. <i>Multimedia Systems</i> , 2020 , 26, 27-36	2.2	22
252	Multiple Instance Learning with Genetic Pooling for medical data analysis. <i>Pattern Recognition Letters</i> , 2020 , 133, 247-255	4.7	4
251	Knowledge-Aided 2-D Autofocus for Spotlight SAR Filtered Backprojection Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 9041-9058	8.1	15
250	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	2.5	29
249	Multi-channeled MR brain image segmentation: A new automated approach combining BAT and clustering technique for better identification of heterogeneous tumors. <i>Biocybernetics and Biomedical Engineering</i> , 2019 , 39, 1005-1035	5.7	18
248	Identifying top persuaders in mixed trust networks for electronic marketing based on word-of-mouth. <i>Knowledge-Based Systems</i> , 2019 , 182, 104803	7.3	8

247	Detecting cerebral microbleeds with transfer learning. <i>Machine Vision and Applications</i> , 2019 , 30, 1123-1133	11.33	28
246	Alcoholism Identification Based on an AlexNet Transfer Learning Model. <i>Frontiers in Psychiatry</i> , 2019 , 10, 205	5	63
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