Amjad Rehman

List of Publications by Year
in descending order

232 papers	9,937 citations	28274 55 h-index	56724 83 g-index
236 all docs	236 docs citations	236 times ranked	4768 citing authors

#	Article	IF	Citations
1	A deep neural network and classical features based scheme for objects recognition: an application for machine inspection. Multimedia Tools and Applications, 2024, 83, 14935-14957.	3.9	41
2	Real time anomalies detection in crowd using convolutional long short-term memory network. Journal of Information Science, 2023, 49, 1145-1152.	3.3	3
3	Generalized PVOâ€based dynamic block reversible data hiding for secure transmission using firefly algorithm. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3680.	3.9	12
4	Skin lesion segmentation and classification: A unified framework of deep neural network features fusion and selection. Expert Systems, 2022, 39, e12497.	4.5	77
5	Entropyâ€controlled deep features selection framework for grape leaf diseases recognition. Expert Systems, 2022, 39, .	4.5	43
6	Skin cancer detection from dermoscopic images using deep learning and fuzzy kâ€means clustering. Microscopy Research and Technique, 2022, 85, 339-351.	2.2	107
7	Microscopic segmentation and classification of COVIDâ€19 infection with ensemble convolutional neural network. Microscopy Research and Technique, 2022, 85, 385-397.	2.2	23
8	Discrete light sheet microscopic segmentation of left ventricle using morphological tuning and active contours. Microscopy Research and Technique, 2022, 85, 308-323.	2.2	2
9	A Revisit of Internet of Things Technologies for Monitoring and Control Strategies in Smart Agriculture. Agronomy, 2022, 12, 127.	3.0	96
10	Breast microscopic cancer segmentation and classification using unique 4â€qubitâ€quantum model. Microscopy Research and Technique, 2022, 85, 1926-1936.	2.2	20
11	Machine learning for postâ€traumatic stress disorder identification utilizing restingâ€state functional magnetic resonance imaging. Microscopy Research and Technique, 2022, 85, 2083-2094.	2.2	11
12	Harris Hawks Sparse Auto-Encoder Networks for Automatic Speech Recognition System. Applied Sciences (Switzerland), 2022, 12, 1091.	2.5	23
13	Classification of human's activities from gesture recognition in live videos using deep learning. Concurrency Computation Practice and Experience, 2022, 34, .	2.2	8
14	Microscopic retinal blood vessels detection and segmentation using support vector machine and Kâ€nearest neighbors. Microscopy Research and Technique, 2022, 85, 1899-1914.	2.2	13
15	Microscopic handcrafted features selection from computed tomography scans for early stage lungs cancer diagnosis using hybrid classifiers. Microscopy Research and Technique, 2022, , .	2.2	1
16	Threat Analysis and Distributed Denial of Service (DDoS) Attack Recognition in the Internet of Things (IoT). Electronics (Switzerland), 2022, 11, 494.	3.1	46
17	Automated Brain Tumor Segmentation and Classification Through MRI Images. Communications in Computer and Information Science, 2022, , 182-194.	0.5	11
18	Intelligent Traffic Signal Automation Based on Computer Vision Techniques Using Deep Learning. IT Professional, 2022, 24, 27-33.	1.5	9

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19	Automated Knee MR Images Segmentation of Anterior Cruciate Ligament Tears. Sensors, 2022, 22, 1552.	3.8	23
20	Device-to-Device (D2D) Multi-Criteria Learning Algorithm Using Secured Sensors. Sensors, 2022, 22, 2115.	3.8	14
21	Towards Resilient and Secure Cooperative Behavior of Intelligent Transportation System Using Sensor Technologies. IEEE Sensors Journal, 2022, 22, 7352-7360.	4.7	9
22	Identity verification using palm print microscopic images based on median robust extended local binary pattern features and kâ€nearest neighbor classifier. Microscopy Research and Technique, 2022, 85, 1224-1237.	2.2	9
23	Optimizing the transferâ€learning with pretrained deep convolutional neural networks for first stage breast tumor diagnosis using breast ultrasound visual images. Microscopy Research and Technique, 2022, 85, 1444-1453.	2.2	11
24	Machine Learning-Based Performance Comparison to Diagnose Anterior Cruciate Ligament Tears. Journal of Healthcare Engineering, 2022, 2022, 1-18.	1.9	7
25	Internet of things (IoT) assisted soil salinity mapping at irrigation schema level. Applied Water Science, 2022, 12, 1.	5.6	11
26	Diagnosis and Prognosis of Diabetes Mellitus with Deep Learning. , 2022, , .		1
27	Exploring Prediction of COVID-19 and its Severity using Machine Learning. , 2022, , .		1
28	Optimized Embedded Healthcare Industry Model with Lightweight Computing Using Wireless Body Area Network. Wireless Communications and Mobile Computing, 2022, 2022, 1-10.	1.2	1
29	Facial Emotion Recognition Using Conventional Machine Learning and Deep Learning Methods: Current Achievements, Analysis and Remaining Challenges. Information (Switzerland), 2022, 13, 268.	2.9	36
30	Trust Management With Fault-Tolerant Supervised Routing for Smart Cities Using Internet of Things. IEEE Internet of Things Journal, 2022, 9, 22608-22617.	8.7	19
31	Hybrid Retinal Image Enhancement Algorithm for Diabetic Retinopathy Diagnostic Using Deep Learning Model. IEEE Access, 2022, 10, 73079-73086.	4.2	25
32	ML and DL Architectures Comparisons for the Classification of COVID-19 Using Chest X-Ray Images. Studies in Big Data, 2022, , 433-457.	1.1	0
33	Computer Vision-Based Prognostic Modelling of COVID-19 from Medical Imaging. Studies in Big Data, 2022, , 25-45.	1.1	0
34	An Accurate Skin Lesion Classification Using Fused Pigmented Deep Feature Extraction Method. Studies in Big Data, 2022, , 47-78.	1.1	2
35	A Novel Method for Lung Segmentation of Chest with Convolutional Neural Network. Studies in Big Data, 2022, , 239-260.	1.1	1
36	A Review on Machine Learning-Based WBCs Analysis in Blood Smear Images: Key Challenges, Datasets, and Future Directions. Studies in Big Data, 2022, , 293-314.	1.1	1

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37	Machine learning based air traffic control strategy. International Journal of Machine Learning and Cybernetics, 2021, 12, 2151-2161.	3.6	3
38	Hybrid Segmentation Method With Confidence Region Detection for Tumor Identification. IEEE Access, 2021, 9, 35256-35278.	4.2	20
39	Microscopic brain tumor detection and classification using <scp>3D CNN</scp> and feature selection architecture. Microscopy Research and Technique, 2021, 84, 133-149.	2.2	177
40	Steganography-assisted secure localization of smart devices in internet of multimedia things (IoMT). Multimedia Tools and Applications, 2021, 80, 17045-17065.	3.9	8
41	A framework of human action recognition using length control features fusion and weighted entropy-variances based feature selection. Image and Vision Computing, 2021, 106, 104090.	4.5	97
42	A Realistic Image Generation of Face From Text Description Using the Fully Trained Generative Adversarial Networks. IEEE Access, 2021, 9, 1250-1260.	4.2	37
43	RDH-based dynamic weighted histogram equalization using for secure transmission and cancer prediction. Multimedia Systems, 2021, 27, 177-189.	4.7	13
44	Multi-Images Encryption Scheme Based on 3D Chaotic Map and Substitution Box. IEEE Access, 2021, 9, 73924-73937.	4.2	20
45	Automatic Image Annotation Based on Deep Learning Models: A Systematic Review and Future Challenges. IEEE Access, 2021, 9, 50253-50264.	4.2	24
46	Identifying Patients With PTSD Utilizing Resting-State fMRI Data and Neural Network Approach. IEEE Access, 2021, 9, 107941-107954.	4.2	8
47	Gastric Tract Infections Detection and Classification from Wireless Capsule Endoscopy using Computer Vision Techniques: A Review. Current Medical Imaging, 2021, 16, 1229-1242.	0.8	19
48	Recent Developments in Detection of Central Serous Retinopathy Through Imaging and Artificial Intelligence Techniques–A Review. IEEE Access, 2021, 9, 168731-168748.	4.2	31
49	Brain tumor detection and multi‐classification using advanced deep learning techniques. Microscopy Research and Technique, 2021, 84, 1296-1308.	2.2	104
50	On the Performance of Jackknife Based Estimators for Ridge Regression. IEEE Access, 2021, 9, 68044-68053.	4.2	8
51	Suspicious Activity Recognition Using Proposed Deep L4-Branched-Actionnet With Entropy Coded Ant Colony System Optimization. IEEE Access, 2021, 9, 89181-89197.	4.2	19
52	Prostate Cancer Detection Using Deep Learning and Traditional Techniques. IEEE Access, 2021, 9, 27085-27100.	4.2	49
53	Categorizing the Students' Activities for Automated Exam Proctoring Using Proposed Deep L2-GraftNet CNN Network and ASO Based Feature Selection Approach. IEEE Access, 2021, 9, 47639-47656.	4.2	20
54	Computer vision for microscopic skin cancer diagnosis using handcrafted and non‐handcrafted features. Microscopy Research and Technique, 2021, 84, 1272-1283.	2.2	43

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55	Machine learning techniques to detect and forecast the daily total COVIDâ€‘19 infected and deaths cases under different lockdown types. Microscopy Research and Technique, 2021, 84, 1462-1474.	2.2	49
56	Brain tumor segmentation using Kâ€means clustering and deep learning with synthetic data augmentation for classification. Microscopy Research and Technique, 2021, 84, 1389-1399.	2.2	103
57	Prediction of COVID-19 - Pneumonia based on Selected Deep Features and One Class Kernel Extreme Learning Machine. Computers and Electrical Engineering, 2021, 90, 106960.	4.8	106
58	Intrusion Detection System Through Advance Machine Learning for the Internet of Things Networks. IT Professional, 2021, 23, 58-64.	1.5	41
59	An Efficient Pattern Recognition Based Method for Drug-Drug Interaction Diagnosis. , 2021, , .		11
60	Internet of medical things embedding deep learning with data augmentation for mammogram density classification. Microscopy Research and Technique, 2021, 84, 2186-2194.	2.2	15
61	Human Action Recognition using Machine Learning in Uncontrolled Environment. , 2021, , .		14
62	Wheat Plant Counting Using UAV Images Based on Semi-supervised Semantic Segmentation. , 2021, , .		9
63	Facial Expression Recognition Using Patch-Based LBPS in an Unconstrained Environment. , 2021, , .		2
64	Deep Learning-Based Automatic Detection of Central Serous Retinopathy using Optical Coherence Tomographic Images. , 2021, , .		30
65	Authentication through gender classification from iris images using support vector machine. Microscopy Research and Technique, 2021, 84, 2666-2676.	2.2	15
66	Secured Big Data Analytics for Decision-Oriented Medical System Using Internet of Things. Electronics (Switzerland), 2021, 10, 1273.	3.1	20
67	Deep Learning-Based COVID-19 Detection Using CT and X-Ray Images: Current Analytics and Comparisons. IT Professional, 2021, 23, 63-68.	1.5	42
68	Viral reverse engineering using Artificial Intelligence and big data COVID-19 infection with Long Short-term Memory (LSTM). Environmental Technology and Innovation, 2021, 22, 101531.	6.1	25
69	A probabilistic segmentation and entropy-rank correlation-based feature selection approach for the recognition of fruit diseases. Eurasip Journal on Image and Video Processing, 2021, 2021, .	2.6	11
70	A Machine-Learning-Based Approach for Autonomous IoT Security. IT Professional, 2021, 23, 69-75.	1.5	28
71	Automatic detection of papilledema through fundus retinal images using deep learning. Microscopy Research and Technique, 2021, 84, 3066-3077.	2.2	41
72	Deep convolutional generative adversarial network for Alzheimer's disease classification using positron emission tomography (<scp>PET</scp>) and synthetic data augmentation. Microscopy Research and Technique, 2021, 84, 3023-3034.	2.2	24

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73	Real-Time Diagnosis System of COVID-19 Using X-Ray Images and Deep Learning. IT Professional, 2021, 23, 57-62.	1.5	29
74	Mobility Support 5G Architecture with Real-Time Routing for Sustainable Smart Cities. Sustainability, 2021, 13, 9092.	3.2	16
75	Efficient data uncertainty management for health industrial internet of things using machine learning. International Journal of Communication Systems, 2021, 34, e4948.	2.5	10
76	A joint framework of feature reduction and robust feature selection for cucumber leaf diseases recognition. Optik, 2021, 240, 166566.	2.9	33
77	M-SMDM: A model of security measures using Green Internet of Things with Cloud Integrated Data Management for Smart Cities. Environmental Technology and Innovation, 2021, 24, 101802.	6.1	17
78	Light microscopic iris classification using ensemble multi‐class support vector machine. Microscopy Research and Technique, 2021, 84, 982-991.	2.2	8
79	Short-Term Forecasting for the Electricity Spot Prices With Extreme Values Treatment. IEEE Access, 2021, 9, 105451-105462.	4.2	27
80	Hot-Spot Zone Detection to Tackle Covid19 Spread by Fusing the Traditional Machine Learning and Deep Learning Approaches of Computer Vision. IEEE Access, 2021, 9, 100040-100049.	4.2	16
81	Temperature and Reliability-Aware Routing Protocol for Wireless Body Area Networks. IEEE Access, 2021, 9, 140413-140423.	4.2	16
82	Reliable Bidirectional Data Transfer Approach for the Internet of Secured Medical Things Using ZigBee Wireless Network. Applied Sciences (Switzerland), 2021, 11, 9947.	2.5	4
83	Energy-Efficient IoT e-Health Using Artificial Intelligence Model with Homomorphic Secret Sharing. Energies, 2021, 14, 6414.	3.1	19
84	An Optimization Model with Network Edges for Multimedia Sensors Using Artificial Intelligence of Things. Sensors, 2021, 21, 7103.	3.8	7
85	A Review on Multi-organ Cancer Detection Using Advanced Machine Learning Techniques. Current Medical Imaging, 2021, 17, 686-694.	0.8	11
86	Improved Deep Convolutional Neural Network to Classify Osteoarthritis from Anterior Cruciate Ligament Tear Using Magnetic Resonance Imaging. Journal of Personalized Medicine, 2021, 11, 1163.	2.5	32
87	Covid-19 Detection by using Deep learning-based Custom Convolution Neural Network (CNN). , 2021, , .		1
88	Deep Learning Approach to Diagnose Alzheimer's Disease through Magnetic Resonance Images. , 2021, , .		14
89	An Automated Deep Learning Approach to Diagnose Glaucoma using Retinal Fundus Images. , 2021, , .		15
90	Efficient hybrid approach to segment and classify exudates for DR prediction. Multimedia Tools and Applications, 2020, 79, 11107-11123.	3.9	19

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91	Use of machine intelligence to conduct analysis of human brain data for detection of abnormalities in its cognitive functions. Multimedia Tools and Applications, 2020, 79, 10955-10973.	3.9	34
92	A comprehensive study of mobile-health based assistive technology for the healthcare of dementia and Alzheimer's disease (AD). Health Care Management Science, 2020, 23, 287-309.	2.6	75
93	Brain tumor detection using fusion of hand crafted and deep learning features. Cognitive Systems Research, 2020, 59, 221-230.	2.7	248
94	Enhancing fragility of zero-based text watermarking utilizing effective characters list. Multimedia Tools and Applications, 2020, 79, 341-354.	3.9	9
95	Boosting the Performance of the BoVW Model Using SURF–CoHOG-Based Sparse Features with Relevance Feedback for CBIR. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2020, 44, 99-118.	2.3	20
96	Single and Multiple Copy–Move Forgery Detection and Localization in Digital Images Based on the Sparsely Encoded Distinctive Features and DBSCAN Clustering. Arabian Journal for Science and Engineering, 2020, 45, 2975-2992.	3.0	24
97	A Deep Learning Approach for Automated Diagnosis and Multi-Class Classification of Alzheimer's Disease Stages Using Resting-State fMRI and Residual Neural Networks. Journal of Medical Systems, 2020, 44, 37.	3.6	189
98	Hand-crafted and deep convolutional neural network features fusion and selection strategy: An application to intelligent human action recognition. Applied Soft Computing Journal, 2020, 87, 105986.	7.2	93
99	Brain tumor detection: a long short-term memory (LSTM)-based learning model. Neural Computing and Applications, 2020, 32, 15965-15973.	5.6	97
100	Malicious Insider Attack Detection in IoTs Using Data Analytics. IEEE Access, 2020, 8, 11743-11753.	4.2	57
101	Microscopic melanoma detection and classification: A framework of pixel–based fusion and multilevel features reduction. Microscopy Research and Technique, 2020, 83, 410-423.	2.2	75
102	A comparative study of features selection for skin lesion detection from dermoscopic images. Network Modeling Analysis in Health Informatics and Bioinformatics, 2020, 9, 1.	2.1	54
103	Reliability Analysis for Electronic Devices Using Generalized Exponential Distribution. IEEE Access, 2020, 8, 108629-108644.	4.2	11
104	Secure and energy-efficient framework using Internet of Medical Things for e-healthcare. Journal of Infection and Public Health, 2020, 13, 1567-1575.	4.1	109
105	An ensemble of neural networks for nonlinear segmentation of overlapped cursive script. International Journal of Computational Vision and Robotics, 2020, 10, 275.	0.3	2
106	Detection of glaucoma based on cup-to-disc ratio using fundus images. International Journal of Intelligent Systems Technologies and Applications, 2020, 19, 1.	0.2	14
107	Recent advancement in cancer detection using machine learning: Systematic survey of decades, comparisons and challenges. Journal of Infection and Public Health, 2020, 13, 1274-1289.	4.1	161
108	Multimodal Brain Tumor Classification Using Deep Learning and Robust Feature Selection: A Machine Learning Application for Radiologists. Diagnostics, 2020, 10, 565.	2.6	231

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109	EGCIR: Energy-Aware Graph Clustering and Intelligent Routing Using Supervised System in Wireless Sensor Networks. Energies, 2020, 13, 4072.	3.1	18
110	A passive technique for detecting copy-move forgeries by image feature matching. Multimedia Tools and Applications, 2020, 79, 31759-31782.	3.9	9
111	Secure and Energy-Aware Heuristic Routing Protocol for Wireless Sensor Network. IEEE Access, 2020, 8, 163962-163974.	4.2	37
112	Skin Lesion Classification: An Optimized Framework of Optimal Color Features Selection. , 2020, , .		7
113	A Sustainable Deep Learning Framework for Object Recognition Using Multi-Layers Deep Features Fusion and Selection. Sustainability, 2020, 12, 5037.	3.2	105
114	An automated system for cucumber leaf diseased spot detection and classification using improved saliency method and deep features selection. Multimedia Tools and Applications, 2020, 79, 18627-18656.	3.9	62
115	Volumetric Segmentation of Brain Regions From MRI Scans Using 3D Convolutional Neural Networks. IEEE Access, 2020, 8, 103697-103709.	4.2	39
116	Fruits diseases classification: exploiting a hierarchical framework for deep features fusion and selection. Multimedia Tools and Applications, 2020, 79, 25763-25783.	3.9	52
117	Handling Irregularly Sampled Longitudinal Data and Prognostic Modeling of Diabetes Using Machine Learning Technique. IEEE Access, 2020, 8, 21875-21885.	4.2	33
118	Detecting Pneumonia Using Convolutions and Dynamic Capsule Routing for Chest X-ray Images. Sensors, 2020, 20, 1068.	3.8	93
119	Reduced Reference Image Quality Assessment Technique Based on DWT and Path Integral Local Binary Patterns. Arabian Journal for Science and Engineering, 2020, 45, 3387-3401.	3.0	6
120	Classification of stomach infections: A paradigm of convolutional neural network along with classical features fusion and selection. Microscopy Research and Technique, 2020, 83, 562-576.	2.2	106
121	Blockchain Based Sustainable Local Energy Trading Considering Home Energy Management and Demurrage Mechanism. Sustainability, 2020, 12, 3385.	3.2	71
122	Ulcer Recognition based on 6-Layers Deep Convolutional Neural Network. , 2020, , .		8
123	A Study of Software Development Cost Estimation Techniques and Models. Mehran University Research Journal of Engineering and Technology, 2020, 39, 413-431.	0.6	2
124	A Study of Software Development Cost Estimation Techniques and Models. Mehran University Research Journal of Engineering and Technology, 2020, 39, 413-431.	0.6	5
125	Intrusion Detection in Smart City Hospitals using Ensemble Classifiers. , 2020, , .		22
126	An Adaptive Image Processing Model of Plant Disease Diagnosis and Quantification Based on Color and Texture Histogram. , 2020, , .		3

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127	Scene analysis and search using local features and support vector machine for effective content-based image retrieval. Artificial Intelligence Review, 2019, 52, 901-925.	15.7	67
128	A New Leaf Venation Detection Technique for Plant Species Classification. Arabian Journal for Science and Engineering, 2019, 44, 3315-3327.	3.0	30
129	Improved Video Stabilization using SIFT-Log Polar Technique for Unmanned Aerial Vehicles. , 2019, , .		7
130	Region Extraction and Classification of Skin Cancer: A Heterogeneous framework of Deep CNN Features Fusion and Reduction. Journal of Medical Systems, 2019, 43, 289.	3.6	167
131	Automated lung nodule detection and classification based on multiple classifiers voting. Microscopy Research and Technique, 2019, 82, 1601-1609.	2.2	52
132	WETRP: Weight Based Energy & Temperature Aware Routing Protocol for Wireless Body Sensor Networks. IEEE Access, 2019, 7, 87987-87995.	4.2	26
133	A New Approach for Brain Tumor Segmentation and Classification Based on Score Level Fusion Using Transfer Learning. Journal of Medical Systems, 2019, 43, 326.	3.6	98
134	Lung Nodule Detection based on Ensemble of Hand Crafted and Deep Features. Journal of Medical Systems, 2019, 43, 332.	3.6	42
135	Current Techniques for Diabetes Prediction: Review and Case Study. Applied Sciences (Switzerland), 2019, 9, 4604.	2.5	84
136	LLTP-QoS: Low Latency Traffic Prioritization and QoS-Aware Routing in Wireless Body Sensor Networks. IEEE Access, 2019, 7, 152777-152787.	4.2	18
137	Enhanced Time-of-Use Electricity Price Rate Using Game Theory. Electronics (Switzerland), 2019, 8, 48.	3.1	38
138	Cloudâ€based decision support system for the detection and classification of malignant cells in breast cancer using breast cytology images. Microscopy Research and Technique, 2019, 82, 775-785.	2.2	53
139	An ensemble classification of exudates in color fundus images using an evolutionary algorithm based optimal features selection. Microscopy Research and Technique, 2019, 82, 361-372.	2.2	42
140	Intelligent microscopic approach for identification and recognition of citrus deformities. Microscopy Research and Technique, 2019, 82, 1542-1556.	2.2	27
141	Multi-Model Deep Neural Network based Features Extraction and Optimal Selection Approach for Skin Lesion Classification. , 2019, , .		88
142	Microscopic skin laceration segmentation and classification: A framework of statistical normal distribution and optimal feature selection. Microscopy Research and Technique, 2019, 82, 1471-1488.	2.2	62
143	Brain Tumor Detection from MRI images using Multi-level Wavelets. , 2019, , .		47
144	Brain tumor detection using statistical and machine learning method. Computer Methods and Programs in Biomedicine, 2019, 177, 69-79.	4.7	153

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145	Brain Tumor Classification: Feature Fusion. , 2019, , .		42
146	Short-Term Electric Load and Price Forecasting Using Enhanced Extreme Learning Machine Optimization in Smart Grids. Energies, 2019, 12, 866.	3.1	57
147	Towards Void Hole Alleviation by Exploiting the Energy Efficient Path and by Providing the Interference-Free Proactive Routing Protocols in IoT Enabled Underwater WSNs. Sensors, 2019, 19, 1313.	3.8	13
148	Deep learning model integrating features and novel classifiers fusion for brain tumor segmentation. Microscopy Research and Technique, 2019, 82, 1302-1315.	2.2	79
149	An Unsupervised Learning with Feature Approach for Brain Tumor Segmentation Using Magnetic Resonance Imaging. , 2019, , .		13
150	Machine Learning Algorithms and Fault Detection for Improved Belief Function Based Decision Fusion in Wireless Sensor Networks. Sensors, 2019, 19, 1334.	3.8	30
151	Fault Detection in Wireless Sensor Networks through the Random Forest Classifier. Sensors, 2019, 19, 1568.	3.8	89
152	Lungs nodule detection framework from computed tomography images using support vector machine. Microscopy Research and Technique, 2019, 82, 1256-1266.	2.2	77
153	Mobile-Health Applications for the Efficient Delivery of Health Care Facility to People with Dementia (PwD) and Support to Their Carers: A Survey. BioMed Research International, 2019, 2019, 1-26.	1.9	75
154	Plasmodium species aware based quantification of malaria parasitemia in light microscopy thin blood smear. Microscopy Research and Technique, 2019, 82, 1198-1214.	2.2	15
155	Intelligent Resource Allocation in Residential Buildings Using Consumer to Fog to Cloud Based Framework. Energies, 2019, 12, 815.	3.1	16
156	Construction of saliency map and hybrid set of features for efficient segmentation and classification of skin lesion. Microscopy Research and Technique, 2019, 82, 741-763.	2.2	69
157	Brain tumor detection and classification: A framework of marker─based watershed algorithm and multilevel priority features selection. Microscopy Research and Technique, 2019, 82, 909-922.	2.2	131
158	Feature enhancement framework for brain tumor segmentation and classification. Microscopy Research and Technique, 2019, 82, 803-811.	2.2	81
159	An Intelligent Saliency Segmentation Technique and Classification of Low Contrast Skin Lesion Dermoscopic Images Based on Histogram Decision. , 2019, , .		12
160	Plasmodium life cycle stage classification based quantification of malaria parasitaemia in thin blood smears. Microscopy Research and Technique, 2019, 82, 283-295.	2.2	34
161	Automated techniques for blood vessels segmentation through fundus retinal images: A review. Microscopy Research and Technique, 2019, 82, 153-170.	2.2	45
162	Data hiding technique in steganography for information security using number theory. Journal of Information Science, 2019, 45, 767-778.	3.3	31

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163	An Improved Strategy for Predicting Diagnosis, Survivability, and Recurrence of Breast Cancer. Journal of Computational and Theoretical Nanoscience, 2019, 16, 3705-3711.	0.4	6
164	An improved strategy for skin lesion detection and classification using uniform segmentation and feature selection based approach. Microscopy Research and Technique, 2018, 81, 528-543.	2.2	129
165	Rouleaux red blood cells splitting in microscopic thin blood smear images via local maxima, circles drawing, and mapping with original RBCs. Microscopy Research and Technique, 2018, 81, 737-744.	2.2	32
166	License number plate recognition system using entropy‐based features selection approach with SVM. IET Image Processing, 2018, 12, 200-209.	2.5	97
167	Brain tumor segmentation in multi‐spectral MRI using convolutional neural networks (CNN). Microscopy Research and Technique, 2018, 81, 419-427.	2.2	169
168	Microscopic abnormality classification of cardiac murmurs using ANFIS and HMM. Microscopy Research and Technique, 2018, 81, 449-457.	2.2	64
169	Content-Based Image Retrieval Based on Visual Words Fusion Versus Features Fusion of Local and Global Features. Arabian Journal for Science and Engineering, 2018, 43, 7265-7284.	3.0	53
170	A robust technique for copy-move forgery detection and localization in digital images via stationary wavelet and discrete cosine transform. Journal of Visual Communication and Image Representation, 2018, 53, 202-214.	2.8	105
171	An overview of interactive wet cloth simulation in virtual reality and serious games. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2018, 6, 93-100.	1.9	8
172	Detection of copy-move image forgery based on discrete cosine transform. Neural Computing and Applications, 2018, 30, 183-192.	5.6	102
173	Machine aided malaria parasitemia detection in Giemsa-stained thin blood smears. Neural Computing and Applications, 2018, 29, 803-818.	5.6	62
174	Computer-assisted brain tumor type discrimination using magnetic resonance imaging features. Biomedical Engineering Letters, 2018, 8, 5-28.	4.1	78
175	A novel classification scheme to decline the mortality rate among women due to breast tumor. Microscopy Research and Technique, 2018, 81, 171-180.	2.2	68
176	Diabetic retinopathy detection and classification using hybrid feature set. Microscopy Research and Technique, 2018, 81, 990-996.	2.2	35
177	Fuzzy ARTMAP Approach for Arabic Writer Identification using Novel Features Fusion. Journal of Computer Science, 2018, 14, 210-220.	0.6	8
178	Fuzzy C-means and region growing based classification of tumor from mammograms using hybrid texture feature. Journal of Computational Science, 2018, 29, 34-45.	2.9	96
179	Fundus image classification methods for the detection of glaucoma: A review. Microscopy Research and Technique, 2018, 81, 1105-1121.	2.2	60
180	CCDF: Automatic system for segmentation and recognition of fruit crops diseases based on correlation coefficient and deep CNN features. Computers and Electronics in Agriculture, 2018, 155, 220-236.	7.7	170

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181	Classification of acute lymphoblastic leukemia using deep learning. Microscopy Research and Technique, 2018, 81, 1310-1317.	2.2	193
182	Microscopic malaria parasitemia diagnosis and grading on benchmark datasets. Microscopy Research and Technique, 2018, 81, 1042-1058.	2.2	49
183	Appearance based pedestriansâ€™ gender recognition by employing stacked auto encoders in deep learning. Future Generation Computer Systems, 2018, 88, 28-39.	7.5	79
184	An effective content-based image retrieval technique for image visuals representation based on the bag-of-visual-words model. PLoS ONE, 2018, 13, e0194526.	2.5	59
185	Removal of pectoral muscle based on topographic map and shape-shifting silhouette. BMC Cancer, 2018, 18, 778.	2.6	69
186	Fused features mining for depth-based hand gesture recognition to classify blind human communication. Neural Computing and Applications, 2017, 28, 3285-3294.	5.6	58
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