

Muhammad Sharif

List of Publications by Year in descending order

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Version: 2024-02-01

173
papers

8,817
citations

31902

53
h-index

58464

82
g-index

175
all docs

175
docs citations

175
times ranked

3969
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Detection and classification of citrus diseases in agriculture based on optimized weighted segmentation and feature selection. <i>Computers and Electronics in Agriculture</i> , 2018, 150, 220-234. | 3.7 | 292 |
| 2 | An automated detection and classification of citrus plant diseases using image processing techniques: A review. <i>Computers and Electronics in Agriculture</i> , 2018, 153, 12-32. | 3.7 | 277 |
| 3 | Brain tumor detection using fusion of hand crafted and deep learning features. <i>Cognitive Systems Research</i> , 2020, 59, 221-230. | 1.9 | 248 |
| 4 | A distinctive approach in brain tumor detection and classification using MRI. <i>Pattern Recognition Letters</i> , 2020, 139, 118-127. | 2.6 | 234 |
| 5 | Big data analysis for brain tumor detection: Deep convolutional neural networks. <i>Future Generation Computer Systems</i> , 2018, 87, 290-297. | 4.9 | 224 |
| 6 | Internet of Things (IoT) Operating Systems Support, Networking Technologies, Applications, and Challenges: A Comparative Review. <i>IEEE Communications Surveys and Tutorials</i> , 2018, 20, 2062-2100. | 24.8 | 194 |
| 7 | CCDF: Automatic system for segmentation and recognition of fruit crops diseases based on correlation coefficient and deep CNN features. <i>Computers and Electronics in Agriculture</i> , 2018, 155, 220-236. | 3.7 | 170 |
| 8 | Brain tumor detection using statistical and machine learning method. <i>Computer Methods and Programs in Biomedicine</i> , 2019, 177, 69-79. | 2.6 | 153 |
| 9 | Brain tumor classification based on DWT fusion of MRI sequences using convolutional neural network. <i>Pattern Recognition Letters</i> , 2020, 129, 115-122. | 2.6 | 147 |
| 10 | Skin Lesion Segmentation and Multiclass Classification Using Deep Learning Features and Improved Moth Flame Optimization. <i>Diagnostics</i> , 2021, 11, 811. | 1.3 | 146 |
| 11 | 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. | 2.6 | 142 |
| 12 | Brain tumor detection and classification: A framework of marker-based watershed algorithm and multilevel priority features selection. <i>Microscopy Research and Technique</i> , 2019, 82, 909-922. | 1.2 | 131 |
| 13 | An improved strategy for skin lesion detection and classification using uniform segmentation and feature selection based approach. <i>Microscopy Research and Technique</i> , 2018, 81, 528-543. | 1.2 | 129 |
| 14 | A citrus fruits and leaves dataset for detection and classification of citrus diseases through machine learning. <i>Data in Brief</i> , 2019, 26, 104340. | 0.5 | 129 |
| 15 | An Optimized Method for Segmentation and Classification of Apple Diseases Based on Strong Correlation and Genetic Algorithm Based Feature Selection. <i>IEEE Access</i> , 2019, 7, 46261-46277. | 2.6 | 128 |
| 16 | An integrated design of particle swarm optimization (PSO) with fusion of features for detection of brain tumor. <i>Pattern Recognition Letters</i> , 2020, 129, 150-157. | 2.6 | 127 |
| 17 | A method for the detection and classification of diabetic retinopathy using structural predictors of bright lesions. <i>Journal of Computational Science</i> , 2017, 19, 153-164. | 1.5 | 116 |
| 18 | A framework for offline signature verification system: Best features selection approach. <i>Pattern Recognition Letters</i> , 2020, 139, 50-59. | 2.6 | 106 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Prediction of COVID-19 - Pneumonia based on Selected Deep Features and One Class Kernel Extreme Learning Machine. Computers and Electrical Engineering, 2021, 90, 106960. | 3.0 | 106 |
| 20 | Developed Newton-Raphson based deep features selection framework for skin lesion recognition. Pattern Recognition Letters, 2020, 129, 293-303. | 2.6 | 104 |
| 21 | AUTOMATED ULCER AND BLEEDING CLASSIFICATION FROM WCE IMAGES USING MULTIPLE FEATURES FUSION AND SELECTION. Journal of Mechanics in Medicine and Biology, 2018, 18, 1850038. | 0.3 | 100 |
| 22 | Brain tumor detection and classification using machine learning: a comprehensive survey. Complex & Intelligent Systems, 2022, 8, 3161-3183. | 4.0 | 99 |
| 23 | A New Approach for Brain Tumor Segmentation and Classification Based on Score Level Fusion Using Transfer Learning. Journal of Medical Systems, 2019, 43, 326. | 2.2 | 98 |
| 24 | License number plate recognition system using entropy-based features selection approach with SVM. IET Image Processing, 2018, 12, 200-209. | 1.4 | 97 |
| 25 | Brain Tumor Detection by Using Stacked Autoencoders in Deep Learning. Journal of Medical Systems, 2020, 44, 32. | 2.2 | 97 |
| 26 | Brain tumor detection: a long short-term memory (LSTM)-based learning model. Neural Computing and Applications, 2020, 32, 15965-15973. | 3.2 | 97 |
| 27 | 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. | 2.7 | 97 |
| 28 | A framework of human detection and action recognition based on uniform segmentation and combination of Euclidean distance and joint entropy-based features selection. Eurasip Journal on Image and Video Processing, 2017, 2017, . | 1.7 | 94 |
| 29 | 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. | 4.1 | 93 |
| 30 | An implementation of normal distribution based segmentation and entropy controlled features selection for skin lesion detection and classification. BMC Cancer, 2018, 18, 638. | 1.1 | 92 |
| 31 | Deep CNN and geometric features-based gastrointestinal tract diseases detection and classification from wireless capsule endoscopy images. Journal of Experimental and Theoretical Artificial Intelligence, 2021, 33, 577-599. | 1.8 | 92 |
| 32 | Pixels to Classes: Intelligent Learning Framework for Multiclass Skin Lesion Localization and Classification. Computers and Electrical Engineering, 2021, 90, 106956. | 3.0 | 92 |
| 33 | TinyOS-New Trends, Comparative Views, and Supported Sensing Applications: A Review. IEEE Sensors Journal, 2016, 16, 2865-2889. | 2.4 | 91 |
| 34 | Multi-Model Deep Neural Network based Features Extraction and Optimal Selection Approach for Skin Lesion Classification. , 2019, , . | | 88 |
| 35 | Multi-Class Skin Lesion Detection and Classification via Teledermatology. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 4267-4275. | 3.9 | 86 |
| 36 | Detection of Brain Tumor based on Features Fusion and Machine Learning. Journal of Ambient Intelligence and Humanized Computing, 2024, 15, 983-999. | 3.3 | 79 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Appearance based pedestriansâ€™ gender recognition by employing stacked auto encoders in deep learning. <i>Future Generation Computer Systems</i> , 2018, 88, 28-39. | 4.9 | 79 |
| 38 | Multiclass Skin Lesion Classification Using Hybrid Deep Features Selection and Extreme Learning Machine. <i>Sensors</i> , 2022, 22, 799. | 2.1 | 78 |
| 39 | Arteriovenous ratio and papilledema based hybrid decision support system for detection and grading of hypertensive retinopathy. <i>Computer Methods and Programs in Biomedicine</i> , 2018, 154, 123-141. | 2.6 | 73 |
| 40 | A Review on Recent Developments for Detection of Diabetic Retinopathy. <i>Scientifica</i> , 2016, 2016, 1-20. | 0.6 | 72 |
| 41 | Brain tumor segmentation and classification by improved binomial thresholding and multi-features selection. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2024, 15, 1063-1082. | 3.3 | 72 |
| 42 | Deep neural network features fusion and selection based on PLS regression with an application for crops diseases classification. <i>Applied Soft Computing Journal</i> , 2021, 103, 107164. | 4.1 | 70 |
| 43 | Removal of pectoral muscle based on topographic map and shape-shifting silhouette. <i>BMC Cancer</i> , 2018, 18, 778. | 1.1 | 69 |
| 44 | Construction of saliency map and hybrid set of features for efficient segmentation and classification of skin lesion. <i>Microscopy Research and Technique</i> , 2019, 82, 741-763. | 1.2 | 69 |
| 45 | Object detection and classification: a joint selection and fusion strategy of deep convolutional neural network and SIFT point features. <i>Multimedia Tools and Applications</i> , 2019, 78, 15751-15777. | 2.6 | 69 |
| 46 | A novel classification scheme to decline the mortality rate among women due to breast tumor. <i>Microscopy Research and Technique</i> , 2018, 81, 171-180. | 1.2 | 68 |
| 47 | From ECG signals to images: a transformation based approach for deep learning. <i>PeerJ Computer Science</i> , 2021, 7, e386. | 2.7 | 67 |
| 48 | Decision support system for detection of hypertensive retinopathy using arteriovenous ratio. <i>Artificial Intelligence in Medicine</i> , 2018, 90, 15-24. | 3.8 | 63 |
| 49 | Microscopic skin laceration segmentation and classification: A framework of statistical normal distribution and optimal feature selection. <i>Microscopy Research and Technique</i> , 2019, 82, 1471-1488. | 1.2 | 62 |
| 50 | An automated system for cucumber leaf diseased spot detection and classification using improved saliency method and deep features selection. <i>Multimedia Tools and Applications</i> , 2020, 79, 18627-18656. | 2.6 | 62 |
| 51 | Fundus image classification methods for the detection of glaucoma: A review. <i>Microscopy Research and Technique</i> , 2018, 81, 1105-1121. | 1.2 | 60 |
| 52 | Brain tumor detection based on extreme learning. <i>Neural Computing and Applications</i> , 2020, 32, 15975-15987. | 3.2 | 60 |
| 53 | Lung Nodule Detection Using Polygon Approximation and Hybrid Features from CT Images. <i>Current Medical Imaging</i> , 2017, 14, 108-117. | 0.4 | 60 |
| 54 | An implementation of optimized framework for action classification using multilayers neural network on selected fused features. <i>Pattern Analysis and Applications</i> , 2019, 22, 1377-1397. | 3.1 | 59 |

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| 55 | Facial expressions classification and false label reduction using LDA and threefold SVM. Pattern Recognition Letters, 2020, 139, 166-173. | 2.6 | 58 |
| 56 | Fundus Image Segmentation and Feature Extraction for the Detection of Glaucoma: A New Approach. Current Medical Imaging, 2017, 14, 77-87. | 0.4 | 58 |
| 57 | Image Enhancement and Segmentation Techniques for Detection of Knee Joint Diseases: A Survey. Current Medical Imaging, 2018, 14, 704-715. | 0.4 | 58 |
| 58 | Decision Support System for Detection of Papilledema through Fundus Retinal Images. Journal of Medical Systems, 2017, 41, 66. | 2.2 | 56 |
| 59 | Skin lesion segmentation and recognition using multichannel saliency estimation and M-SVM on selected serially fused features. Journal of Ambient Intelligence and Humanized Computing, 0, , 1. | 3.3 | 54 |
| 60 | Multi-level features fusion and selection for human gait recognition: an optimized framework of Bayesian model and binomial distribution. International Journal of Machine Learning and Cybernetics, 2019, 10, 3601-3618. | 2.3 | 54 |
| 61 | Stomach Deformities Recognition Using Rank-Based Deep Features Selection. Journal of Medical Systems, 2019, 43, 329. | 2.2 | 53 |
| 62 | Fruits diseases classification: exploiting a hierarchical framework for deep features fusion and selection. Multimedia Tools and Applications, 2020, 79, 25763-25783. | 2.6 | 52 |
| 63 | Quantum Machine Learning Architecture for COVID-19 Classification Based on Synthetic Data Generation Using Conditional Adversarial Neural Network. Cognitive Computation, 2022, 14, 1677-1688. | 3.6 | 52 |
| 64 | A hierarchical three-step superpixels and deep learning framework for skin lesion classification. Methods, 2022, 202, 88-102. | 1.9 | 51 |
| 65 | A novel machine learning approach for scene text extraction. Future Generation Computer Systems, 2018, 87, 328-340. | 4.9 | 50 |
| 66 | Convolutional neural network with batch normalization for glioma and stroke lesion detection using MRI. Cognitive Systems Research, 2020, 59, 304-311. | 1.9 | 50 |
| 67 | A two-stream deep neural network-based intelligent system for complex skin cancer types classification. International Journal of Intelligent Systems, 2022, 37, 10621-10649. | 3.3 | 50 |
| 68 | Multistage segmentation model and SVM-ensemble for precise lung nodule detection. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 1083-1095. | 1.7 | 49 |
| 69 | Diagnosis and recognition of grape leaf diseases: An automated system based on a novel saliency approach and canonical correlation analysis based multiple features fusion. Sustainable Computing: Informatics and Systems, 2019, 24, 100349. | 1.6 | 48 |
| 70 | A Machine Learning Method with Threshold Based Parallel Feature Fusion and Feature Selection for Automated Gait Recognition. Journal of Organizational and End User Computing, 2020, 32, 67-92. | 1.6 | 46 |
| 71 | Automated techniques for blood vessels segmentation through fundus retinal images: A review. Microscopy Research and Technique, 2019, 82, 153-170. | 1.2 | 45 |
| 72 | Classification of gastrointestinal diseases of stomach from WCE using improved saliency-based method and discriminant features selection. Multimedia Tools and Applications, 2019, 78, 27743-27770. | 2.6 | 44 |

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| 73 | A unified patch based method for brain tumor detection using features fusion. Cognitive Systems Research, 2020, 59, 273-286. | 1.9 | 44 |
| 74 | Prosperous Human Gait Recognition: an end-to-end system based on pre-trained CNN features selection. Multimedia Tools and Applications, 2024, 83, 14979-14999. | 2.6 | 44 |
| 75 | Lung Nodule Detection based on Ensemble of Hand Crafted and Deep Features. Journal of Medical Systems, 2019, 43, 332. | 2.2 | 42 |
| 76 | Brain Tumor Classification: Feature Fusion. , 2019, , . | | 42 |
| 77 | Deep Semantic Segmentation and Multi-Class Skin Lesion Classification Based on Convolutional Neural Network. IEEE Access, 2020, 8, 129668-129678. | 2.6 | 42 |
| 78 | 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. | 2.6 | 41 |
| 79 | Human action recognition: a framework of statistical weighted segmentation and rank correlation-based selection. Pattern Analysis and Applications, 2020, 23, 281-294. | 3.1 | 40 |
| 80 | An integrated framework of skin lesion detection and recognition through saliency method and optimal deep neural network features selection. Neural Computing and Applications, 2020, 32, 15929-15948. | 3.2 | 40 |
| 81 | Recognition of Different Types of Leukocytes Using YOLOv2 and Optimized Bag-of-Features. IEEE Access, 2020, 8, 167448-167459. | 2.6 | 38 |
| 82 | A New Model for Brain Tumor Detection Using Ensemble Transfer Learning and Quantum Variational Classifier. Computational Intelligence and Neuroscience, 2022, 2022, 1-13. | 1.1 | 38 |
| 83 | Bi-model processing for early detection of breast tumor in CAD system. European Physical Journal Plus, 2017, 132, 1. | 1.2 | 37 |
| 84 | Intelligent fusion-assisted skin lesion localization and classification for smart healthcare. Neural Computing and Applications, 2024, 36, 37-52. | 3.2 | 37 |
| 85 | Diabetic retinopathy detection and classification using hybrid feature set. Microscopy Research and Technique, 2018, 81, 990-996. | 1.2 | 35 |
| 86 | Localization of radiance transformation for image dehazing in wavelet domain. Neurocomputing, 2020, 381, 141-151. | 3.5 | 35 |
| 87 | Lung nodule detection and classification based on geometric fit in parametric form and deep learning. Neural Computing and Applications, 2020, 32, 4629-4647. | 3.2 | 34 |
| 88 | 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. | 2.6 | 34 |
| 89 | A survey of feature extraction and fusion of deep learning for detection of abnormalities in video endoscopy of gastrointestinal-tract. Artificial Intelligence Review, 2020, 53, 2635-2707. | 9.7 | 34 |
| 90 | 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 |

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| 91 | A joint framework of feature reduction and robust feature selection for cucumber leaf diseases recognition. <i>Optik</i> , 2021, 240, 166566. | 1.4 | 33 |
| 92 | Neurochemical Alterations in Sudden Unexplained Perinatal Deathsâ€”A Review. <i>Frontiers in Pediatrics</i> , 2018, 6, 6. | 0.9 | 32 |
| 93 | A NOVEL BIOMECHANICS-BASED APPROACH FOR PERSON RE-IDENTIFICATION BY GENERATING DENSE COLOR SIFT SALIENCE FEATURES. <i>Journal of Mechanics in Medicine and Biology</i> , 2017, 17, 1740011. | 0.3 | 31 |
| 94 | Offline signature verification system: a novel technique of fusion of GLCM and geometric features using SVM. <i>Multimedia Tools and Applications</i> , 2024, 83, 14959-14978. | 2.6 | 31 |
| 95 | Automatic segmentation of the left ventricle in a cardiac MR short axis image using blind morphological operation. <i>European Physical Journal Plus</i> , 2018, 133, 1. | 1.2 | 30 |
| 96 | A 3D nodule candidate detection method supported by hybrid features to reduce false positives in lung nodule detection. <i>Multimedia Tools and Applications</i> , 2019, 78, 26287-26311. | 2.6 | 30 |
| 97 | Automatic measurement of the traffic sign with digital segmentation and recognition. <i>IET Intelligent Transport Systems</i> , 2019, 13, 269-279. | 1.7 | 29 |
| 98 | Advanced Machine Learning Algorithm Based System for Crops Leaf Diseases Recognition. , 2020, , . | | 29 |
| 99 | ROBUST DISCRIMINATION OF LEUKOCYTES PROTUBERANT TYPES FOR EARLY DIAGNOSIS OF LEUKEMIA. <i>Journal of Mechanics in Medicine and Biology</i> , 2019, 19, 1950055. | 0.3 | 28 |
| 100 | An integrated framework for <scp>COVID</scp>â€”19 classification based on classical and quantum transfer learning from a chest radiograph. <i>Concurrency Computation Practice and Experience</i> , 2022, 34, e6434. | 1.4 | 28 |
| 101 | Computer-based classification of chromoendoscopy images using homogeneous texture descriptors. <i>Computers in Biology and Medicine</i> , 2017, 88, 84-92. | 3.9 | 27 |
| 102 | Intelligent microscopic approach for identification and recognition of citrus deformities. <i>Microscopy Research and Technique</i> , 2019, 82, 1542-1556. | 1.2 | 27 |
| 103 | An Integrated Design for Classification and Localization of Diabetic Foot Ulcer Based on CNN and YOLOv2-DFU Models. <i>IEEE Access</i> , 2020, 8, 228586-228597. | 2.6 | 27 |
| 104 | A New Approach of Cup to Disk Ratio Based Glaucoma Detection Using Fundus Images. <i>Journal of Integrated Design and Process Science</i> , 2016, 20, 77-94. | 0.2 | 26 |
| 105 | Multi-Layered Deep Learning Features Fusion for Human Action Recognition. <i>Computers, Materials and Continua</i> , 2021, 69, 4061-4075. | 1.5 | 26 |
| 106 | Mango Leaf Disease Recognition and Classification Using Novel Segmentation and Vein Pattern Technique. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11901. | 1.3 | 24 |
| 107 | Adaptive hysteresis thresholding segmentation technique for localizing the breast masses in the curve stitching domain. <i>International Journal of Medical Informatics</i> , 2019, 126, 26-34. | 1.6 | 23 |
| 108 | Microscopic segmentation and classification of <scp>COVID</scp>â€”19 infection with ensemble convolutional neural network. <i>Microscopy Research and Technique</i> , 2022, 85, 385-397. | 1.2 | 23 |

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| 109 | A review on federated learning towards image processing. Computers and Electrical Engineering, 2022, 99, 107818. | 3.0 | 23 |
| 110 | Improved strategy for human action recognition; experiencing a cascaded design. IET Image Processing, 2020, 14, 818-829. | 1.4 | 22 |
| 111 | Categorizing the Studentsâ€™ Activities for Automated Exam Proctoring Using Proposed Deep L2-GraftNet CNN Network and ASO Based Feature Selection Approach. IEEE Access, 2021, 9, 47639-47656. | 2.6 | 20 |
| 112 | Categorizing white blood cells by utilizing deep features of proposed 4B-AdditionNet-based CNN network with ant colony optimization. Complex & Intelligent Systems, 2022, 8, 3143-3159. | 4.0 | 20 |
| 113 | Breast microscopic cancer segmentation and classification using unique 4-qubit quantum model. Microscopy Research and Technique, 2022, 85, 1926-1936. | 1.2 | 20 |
| 114 | Generative adversarial networks and its applications in the biomedical image segmentation: a comprehensive survey. International Journal of Multimedia Information Retrieval, 2022, 11, 333-368. | 3.6 | 20 |
| 115 | Efficient hybrid approach to segment and classify exudates for DR prediction. Multimedia Tools and Applications, 2020, 79, 11107-11123. | 2.6 | 19 |
| 116 | Gastric Tract Infections Detection and Classification from Wireless Capsule Endoscopy using Computer Vision Techniques: A Review. Current Medical Imaging, 2021, 16, 1229-1242. | 0.4 | 19 |
| 117 | Suspicious Activity Recognition Using Proposed Deep L4-Branched-Actionnet With Entropy Coded Ant Colony System Optimization. IEEE Access, 2021, 9, 89181-89197. | 2.6 | 19 |
| 118 | An Overview of Biometrics Methods. , 2019, , 15-35. | | 19 |
| 119 | Recent Developments in Computer Aided Diagnosis for Lung Nodule Detection from CT images: A Review. Current Medical Imaging, 2017, 13, 3-19. | 0.4 | 19 |
| 120 | Automatic Cotton Wool Spots Extraction in Retinal Images Using Texture Segmentation and Gabor Wavelet. Journal of Integrated Design and Process Science, 2016, 20, 65-76. | 0.2 | 18 |
| 121 | Human action recognition: a construction of codebook by discriminative features selection approach. International Journal of Applied Pattern Recognition, 2018, 5, 206. | 0.3 | 18 |
| 122 | Melanoma Detection and Classification using Computerized Analysis of Dermoscopic Systems: A Review. Current Medical Imaging, 2020, 16, 794-822. | 0.4 | 18 |
| 123 | Optical character recognition (OCR) using partial least square (PLS) based feature reduction: an application to artificial intelligence for biometric identification. Journal of Enterprise Information Management, 2023, 36, 767-789. | 4.4 | 16 |
| 124 | 3D Semantic Deep Learning Networks for Leukemia Detection. Computers, Materials and Continua, 2021, 69, 785-799. | 1.5 | 15 |
| 125 | An Integrated Design Based on Dual Thresholding and Features Optimization for White Blood Cells Detection. IEEE Access, 2021, 9, 151421-151433. | 2.6 | 15 |
| 126 | J-LDFR: joint low-level and deep neural network feature representations for pedestrian gender classification. Neural Computing and Applications, 2021, 33, 361-391. | 3.2 | 14 |

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|-----|---|-----|-----------|
| 127 | An intelligence design for detection and classification of COVID19 using fusion of classical and convolutional neural network and improved microscopic features selection approach. <i>Microscopy Research and Technique</i> , 2021, 84, 2254-2267. | 1.2 | 14 |
| 128 | Liver Tumor Localization Based on YOLOv3 and 3D-Semantic Segmentation Using Deep Neural Networks. <i>Diagnostics</i> , 2022, 12, 823. | 1.3 | 14 |
| 129 | Fused information of DeepLabv3+ and transfer learning model for semantic segmentation and rich features selection using equilibrium optimizer (EO) for classification of NPDR lesions. <i>Knowledge-Based Systems</i> , 2022, 249, 108881. | 4.0 | 14 |
| 130 | Brain Image Compression: A Brief Survey. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2013, 5, 49-59. | 0.1 | 13 |
| 131 | Mango Leaf Disease Identification Using Fully Resolution Convolutional Network. <i>Computers, Materials and Continua</i> , 2021, 69, 3581-3601. | 1.5 | 13 |
| 132 | Convolutional Bi-LSTM Based Human Gait Recognition Using Video Sequences. <i>Computers, Materials and Continua</i> , 2021, 68, 2693-2709. | 1.5 | 13 |
| 133 | Detection and Classification of Gastrointestinal Diseases using Machine Learning. <i>Current Medical Imaging</i> , 2021, 17, 479-490. | 0.4 | 13 |
| 134 | A secure two-qubit quantum model for segmentation and classification of brain tumor using MRI images based on blockchain. <i>Neural Computing and Applications</i> , 2022, 34, 17315-17328. | 3.2 | 13 |
| 135 | A novel algorithm for the detection of cerebral aneurysm using sub-band morphological operation. <i>European Physical Journal Plus</i> , 2019, 134, 1. | 1.2 | 12 |
| 136 | Facial expression detection using Six Facial Expressions Hexagon (SFEH) model. , 2019, , . | | 12 |
| 137 | Person re-identification with features-based clustering and deep features. <i>Neural Computing and Applications</i> , 2020, 32, 10519-10540. | 3.2 | 12 |
| 138 | Diagnosis of COVID-19 Infection Using Three-Dimensional Semantic Segmentation and Classification of Computed Tomography Images. <i>Computers, Materials and Continua</i> , 2021, 68, 2451-2467. | 1.5 | 12 |
| 139 | 3D-semantic segmentation and classification of stomach infections using uncertainty aware deep neural networks. <i>Complex & Intelligent Systems</i> , 2022, 8, 3041-3057. | 4.0 | 12 |
| 140 | Intelligent Tracking of Mechanically Thrown Objects by Industrial Catching Robot for Automated In-Plant Logistics 4.0. <i>Sensors</i> , 2022, 22, 2113. | 2.1 | 12 |
| 141 | Deviation analysis for texture segmentation of breast lesions in mammographic images. <i>European Physical Journal Plus</i> , 2018, 133, 1. | 1.2 | 11 |
| 142 | Color-based template selection for detection of gastric abnormalities in video endoscopy. <i>Biomedical Signal Processing and Control</i> , 2020, 56, 101668. | 3.5 | 11 |
| 143 | A probabilistic segmentation and entropy-rank correlation-based feature selection approach for the recognition of fruit diseases. <i>Eurasip Journal on Image and Video Processing</i> , 2021, 2021, . | 1.7 | 11 |
| 144 | Multi-Class Classification of Breast Cancer Using 6B-Net with Deep Feature Fusion and Selection Method. <i>Journal of Personalized Medicine</i> , 2022, 12, 683. | 1.1 | 11 |

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|-----|--|-----|-----------|
| 145 | Recognizing Gastrointestinal Malignancies on WCE and CCE Images by an Ensemble of Deep and Handcrafted Features with Entropy and PCA Based Features Optimization. <i>Neural Processing Letters</i> , 0, 1. | 2.0 | 9 |
| 146 | A Cascaded Design of Best Features Selection for Fruit Diseases Recognition. <i>Computers, Materials and Continua</i> , 2022, 70, 1491-1507. | 1.5 | 9 |
| 147 | An Integrated Design of Fuzzy C-Means and NCA-Based Multi-properties Feature Reduction for Brain Tumor Recognition. , 2021, , 1-28. | | 9 |
| 148 | A Non-Blind Deconvolution Semi Pipelined Approach to Understand Text in Blurry Natural Images for Edge Intelligence. <i>Information Processing and Management</i> , 2021, 58, 102675. | 5.4 | 8 |
| 149 | Pathological Brain Image Segmentation and Classification: A Survey. <i>Current Medical Imaging</i> , 2014, 10, 163-177. | 0.4 | 8 |
| 150 | A Decision Support System for Face Sketch Synthesis Using Deep Learning and Artificial Intelligence. <i>Sensors</i> , 2021, 21, 8178. | 2.1 | 8 |
| 151 | Improved Video Stabilization using SIFT-Log Polar Technique for Unmanned Aerial Vehicles. , 2019, , . | | 7 |
| 152 | Skin Lesion Classification: An Optimized Framework of Optimal Color Features Selection. , 2020, , . | | 7 |
| 153 | A Survey on Left Ventricle Segmentation Techniques in Cardiac Short Axis MRI. <i>Current Medical Imaging</i> , 2018, 14, 223-237. | 0.4 | 7 |
| 154 | Segmentation and Classification of Lung Cancer: A Review. <i>Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry</i> , 2016, 16, 82-99. | 0.5 | 7 |
| 155 | Illumination normalization preprocessing for face recognition. , 2010, , . | | 6 |
| 156 | An Optimized Approach for Breast Cancer Classification for Histopathological Images Based on Hybrid Feature Set. <i>Current Medical Imaging</i> , 2021, 17, 136-147. | 0.4 | 6 |
| 157 | Fruits and Vegetable Diseases Recognition Using Convolutional Neural Networks. <i>Computers, Materials and Continua</i> , 2022, 70, 619-635. | 1.5 | 5 |
| 158 | An Optimized Feature Selection Technique in Diversified Natural Scene Text for Classification Using Genetic Algorithm. <i>IEEE Access</i> , 2021, 9, 54923-54937. | 2.6 | 5 |
| 159 | Pedestrian identification using motion-controlled deep neural network in real-time visual surveillance. <i>Soft Computing</i> , 0, 1. | 2.1 | 4 |
| 160 | Human action recognition: a construction of codebook by discriminative features selection approach. <i>International Journal of Applied Pattern Recognition</i> , 2018, 5, 206. | 0.3 | 4 |
| 161 | Skin Lesion Detection Using Recent Machine Learning Approaches. <i>Studies in Big Data</i> , 2022, , 193-211. | 0.8 | 4 |
| 162 | A novel approach for scene text extraction from synthesized hazy natural images. <i>Pattern Analysis and Applications</i> , 2020, 23, 1305-1322. | 3.1 | 3 |

| # | ARTICLE | IF | CITATIONS |
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| 163 | A novel approach of boundary preservative apparel detection and classification of fashion images using deep learning. <i>Mathematical Methods in the Applied Sciences</i> , 0, , . | 1.2 | 3 |
| 164 | Improving audio data quality and compression. , 2008, , . | | 2 |
| 165 | An algorithm to find convex hull based on binary tree. , 2009, , . | | 2 |
| 166 | Discrete light sheet microscopic segmentation of left ventricle using morphological tuning and active contours. <i>Microscopy Research and Technique</i> , 2022, 85, 308-323. | 1.2 | 2 |
| 167 | Artificial intelligence for sustainable internet research. <i>International Journal of Computers and Applications</i> , 2022, 44, 501-502. | 0.8 | 1 |
| 168 | Detection of glaucoma based on cup-to-disc ratio using fundus images. <i>International Journal of Intelligent Systems Technologies and Applications</i> , 2020, 19, 1. | 0.2 | 1 |
| 169 | Multi Agent Based Model for Earthquake Intensity Prediction. <i>Journal of Computational and Theoretical Nanoscience</i> , 2015, 12, 5765-5777. | 0.4 | 1 |
| 170 | Text Understandingform Natural Images with Enhanced Classiftcation using Genetic Algorithm. , 2021, , . | | 1 |
| 171 | A complexity reduced and reliable integrity protection for large relational data over clouds. <i>International Journal of Information and Computer Security</i> , 2021, 15, 49. | 0.2 | 0 |
| 172 | Automated Localization and Segmentation of Left Ventricle in Cardiac MRI using Faster R-CNN. , 2021, , . | | 0 |
| 173 | Union is Strength: Improving face sketch synthesis by fusing outcomes of Fully-Convolutional-Networks and Random Sampling Locality Constraint. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 10727-10741. | 3.4 | 0 |