Tanzila Saba

List of Publications by Citations

216 papers	5,299 citations	42 h-index	57 g-index
230 ext. papers	7,140 ext. citations	3 avg, IF	6.78 L-index

#	Paper	IF	Citations
216	Medical Image Segmentation Methods, Algorithms, and Applications. *IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)*, **2014**, 31, 199-213	1.5	141
215	Classification of acute lymphoblastic leukemia using deep learning. *Microscopy Research and Technique*, **2018**, 81, 1310-1317	2.8	105
214	Brain tumor segmentation in multi-spectral MRI using convolutional neural networks (CNN). *Microscopy Research and Technique*, **2018**, 81, 419-427	2.8	104
213	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	6.5	93
212	Energy Efficient Multipath Routing Protocol for Mobile Ad-Hoc Network Using the Fitness Function. *IEEE Access*, **2017**, 5, 10369-10381	3.5	89
211	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	2.8	88
210	Region Extraction and Classification of Skin Cancer: A Heterogeneous framework of Deep CNN Features Fusion and Reduction. *Journal of Medical Systems*, **2019**, 43, 289	5.1	88
209	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*, **2019**, 44, 37	5.1	80
208	License number plate recognition system using entropy-based features selection approach with SVM. *IET Image Processing*, **2018**, 12, 200-209	1.7	79
207	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	2.8	78
206	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,	2.5	77
205	Brain tumor detection using statistical and machine learning method. *Computer Methods and Programs in Biomedicine*, **2019**, 177, 69-79	6.9	74
204	A Sustainable Deep Learning Framework for Object Recognition Using Multi-Layers Deep Features Fusion and Selection. *Sustainability*, **2020**, 12, 5037	3.6	71
203	Appearance based pedestrians gender recognition by employing stacked auto encoders in deep learning. *Future Generation Computer Systems*, **2018**, 88, 28-39	7.5	69
202	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	2.7	68
201	Neural networks for document image preprocessing: state of the art. *Artificial Intelligence Review*, **2014**, 42, 253-273	9.7	68
200	Microscopic brain tumor detection and classification using 3D CNN and feature selection architecture. *Microscopy Research and Technique*, **2021**, 84, 133-149	2.8	65

199	Fuzzy C-means and region growing based classification of tumor from mammograms using hybrid texture feature. *Journal of Computational Science*, **2018**, 29, 34-45	3.4	65
198	Content-based image retrieval using PSO and k-means clustering algorithm. *Arabian Journal of Geosciences*, **2015**, 8, 6211-6224	1.8	62
197	Detection of copy-move image forgery based on discrete cosine transform. *Neural Computing and Applications*, **2018**, 30, 183-192	4.8	62
196	Computer-assisted brain tumor type discrimination using magnetic resonance imaging features. *Biomedical Engineering Letters*, **2018**, 8, 5-28	3.6	57
195	Removal of pectoral muscle based on topographic map and shape-shifting silhouette. *BMC Cancer*, **2018**, 18, 778	4.8	57
194	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	7.5	57
193	Lungs nodule detection framework from computed tomography images using support vector machine. *Microscopy Research and Technique*, **2019**, 82, 1256-1266	2.8	56
192	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	7.4	55
191	A novel classification scheme to decline the mortality rate among women due to breast tumor. *Microscopy Research and Technique*, **2018**, 81, 171-180	2.8	55
190	Deep learning model integrating features and novel classifiers fusion for brain tumor segmentation. *Microscopy Research and Technique*, **2019**, 82, 1302-1315	2.8	53
189	Detecting Pneumonia using Convolutions and Dynamic Capsule Routing for Chest X-ray Images. *Sensors*, **2020**, 20,	3.8	53
188	A New Approach for Brain Tumor Segmentation and Classification Based on Score Level Fusion Using Transfer Learning. *Journal of Medical Systems*, **2019**, 43, 326	5.1	52
187	Evaluation of Current Dental Radiographs Segmentation Approaches in Computer-aided Applications. *IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)*, **2013**, 30, 210	1.5	51
186	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	2.8	51
185	Retinal imaging analysis based on vessel detection. *Microscopy Research and Technique*, **2017**, 80, 799-811	1.8	50
184	Microscopic melanoma detection and classification: A framework of pixel-based fusion and multilevel features reduction. *Microscopy Research and Technique*, **2020**, 83, 410-423	2.8	50
183	Prediction of COVID-19 - Pneumonia based on Selected Deep Features and One Class Kernel Extreme Learning Machine. *Computers and Electrical Engineering*, **2021**, 90, 106960	4.3	50
182	Automated nuclei segmentation of malignant using level sets. *Microscopy Research and Technique*, **2016**, 79, 993-997	2.8	48

181	Features extraction for soccer video semantic analysis: current achievements and remaining issues. *Artificial Intelligence Review*, **2014**, 41, 451-461	9.7	47
180	Multi-Model Deep Neural Network based Features Extraction and Optimal Selection Approach for Skin Lesion Classification **2019**,		45
179	Microscopic abnormality classification of cardiac murmurs using ANFIS and HMM. *Microscopy Research and Technique*, **2018**, 81, 449-457	2.8	45
178	Scene analysis and search using local features and support vector machine for effective content-based image retrieval. *Artificial Intelligence Review*, **2019**, 52, 901-925	9.7	45
177	Fault Detection in Wireless Sensor Networks through the Random Forest Classifier. *Sensors*, **2019**, 19,	3.8	44
176	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, 7151475	2	44
175	Human action recognition using fusion of multiview and deep features: an application to video surveillance. *Multimedia Tools and Applications*, **2020**, 1	2.5	42
174	Machine aided malaria parasitemia detection in Giemsa-stained thin blood smears. *Neural Computing and Applications*, **2018**, 29, 803-818	4.8	42
173	Discriminative Features Mining for Offline Handwritten Signature Verification. *3D Research*, **2014**, 5, 1	2.4	41
172	Image Enhancement and Segmentation Techniques for Detection of Knee Joint Diseases: A Survey. *Current Medical Imaging*, **2018**, 14, 704-715	1.2	40
171	Current Techniques for Diabetes Prediction: Review and Case Study. *Applied Sciences (Switzerland)*, **2019**, 9, 4604	2.6	38
170	Feature enhancement framework for brain tumor segmentation and classification. *Microscopy Research and Technique*, **2019**, 82, 803-811	2.8	38
169	Fundus image classification methods for the detection of glaucoma: A review. *Microscopy Research and Technique*, **2018**, 81, 1105-1121	2.8	38
168	An effective content-based image retrieval technique for image visuals representation based on the bag-of-visual-words model. *PLoS ONE*, **2018**, 13, e0194526	3.7	38
167	A Novel Technique Based on Visual Words Fusion Analysis of Sparse Features for Effective Content-Based Image Retrieval. *Mathematical Problems in Engineering*, **2018**, 2018, 1-13	1.1	37
166	An Intelligent Fused Approach for Face Recognition. *Journal of Intelligent Systems*, **2013**, 22, 197-212	1.5	36
165	An innovative technique for contrast enhancement of computed tomography images using normalized gamma-corrected contrast-limited adaptive histogram equalization. *Eurasip Journal on Advances in Signal Processing*, **2015**, 2015,	1.9	36
164	Microscopic malaria parasitemia diagnosis and grading on benchmark datasets. *Microscopy Research and Technique*, **2018**, 81, 1042-1058	2.8	36

163	Methods and strategies on off-line cursive touched characters segmentation: a directional review. *Artificial Intelligence Review*, **2014**, 42, 1047-1066	9.7	35
162	Exploiting Deep Learning for Wind Power Forecasting Based on Big Data Analytics. *Applied Sciences (Switzerland)*, **2019**, 9, 4417	2.6	35
161	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	2.8	34
160	Vision-Based Sign Language Classification: A Directional Review. *IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)*, **2014**, 31, 383-391	1.5	34
159	Effects of artificially intelligent tools on pattern recognition. *International Journal of Machine Learning and Cybernetics*, **2013**, 4, 155-162	3.8	34
158	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	4	34
157	Fused features mining for depth-based hand gesture recognition to classify blind human communication. *Neural Computing and Applications*, **2017**, 28, 3285-3294	4.8	33
156	Fuzzy Phoneme Classification Using Multi-speaker Vocal Tract Length Normalization. *IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)*, **2014**, 31, 128-136	1.5	33
155	Performance analysis of character segmentation approach for cursive script recognition on benchmark database **2011**, 21, 486-490		33
154	Annotated comparisons of proposed preprocessing techniques for script recognition. *Neural Computing and Applications*, **2014**, 25, 1337-1347	4.8	32
153	Evaluation of artificial intelligent techniques to secure information in enterprises. *Artificial Intelligence Review*, **2014**, 42, 1029-1044	9.7	32
152	DOCUMENT SKEW ESTIMATION AND CORRECTION: ANALYSIS OF TECHNIQUES, COMMON PROBLEMS AND POSSIBLE SOLUTIONS. *Applied Artificial Intelligence*, **2011**, 25, 769-787	2.3	32
151	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	6.2	32
150	Skin lesion segmentation and classification: A unified framework of deep neural network features fusion and selection. *Expert Systems*, **2019**, e12497	2.1	32
149	Cloud-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	2.8	31
148	Brain tumor detection: a long short-term memory (LSTM)-based learning model. *Neural Computing and Applications*, **2020**, 32, 15965-15973	4.8	31
147	Weather forecasting based on hybrid neural model. *Applied Water Science*, **2017**, 7, 3869-3874	5	30
146	Digital Watermarking for Images Security using Discrete Slantlet Transform. *Applied Mathematics and Information Sciences*, **2014**, 8, 2823-2830	2.4	30

145	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	2.8	29
144	Data Hiding Based on Improved Exploiting Modification Direction Method and Huffman Coding. *Journal of Intelligent Systems*, **2014**, 23, 451-459	1.5	29
143	Automated techniques for blood vessels segmentation through fundus retinal images: A review. *Microscopy Research and Technique*, **2019**, 82, 153-170	2.8	29
142	Digital Dental X-ray Database for Caries Screening. *3D Research*, **2016**, 7, 1	2.4	28
141	Brain tumor detection and multi-classification using advanced deep learning techniques. *Microscopy Research and Technique*, **2021**, 84, 1296-1308	2.8	28
140	Enhanced Time-of-Use Electricity Price Rate Using Game Theory. *Electronics (Switzerland)*, **2019**, 8, 48	2.6	27
139	Brain Tumor Classification: Feature Fusion **2019**,		27
138	Automated lung nodule detection and classification based on multiple classifiers voting. *Microscopy Research and Technique*, **2019**, 82, 1601-1609	2.8	27
137	Evaluation of Current Documents Image Denoising Techniques: A Comparative Study. *Applied Artificial Intelligence*, **2014**, 28, 879-887	2.3	27
136	A comparative study of features selection for skin lesion detection from dermoscopic images. *Network Modeling Analysis in Health Informatics and Bioinformatics*, **2020**, 9, 1	1.6	27
135	Plasmodium life cycle stage classification based quantification of malaria parasitaemia in thin blood smears. *Microscopy Research and Technique*, **2019**, 82, 283-295	2.8	27
134	Volumetric Segmentation of Brain Regions From MRI Scans Using 3D Convolutional Neural Networks. *IEEE Access*, **2020**, 8, 103697-103709	3.5	26
133	Fruits diseases classification: exploiting a hierarchical framework for deep features fusion and selection. *Multimedia Tools and Applications*, **2020**, 79, 25763-25783	2.5	26
132	Prosperous Human Gait Recognition: an end-to-end system based on pre-trained CNN features selection. *Multimedia Tools and Applications*, **2020**, 1	2.5	26
131	ANALYSIS OF VISION BASED SYSTEMS TO DETECT REAL TIME GOAL EVENTS IN SOCCER VIDEOS. *Applied Artificial Intelligence*, **2013**, 27, 656-667	2.3	26
130	Off-line cursive script recognition: current advances, comparisons and remaining problems. *Artificial Intelligence Review*, **2012**, 37, 261-288	9.7	26
129	A deep neural network and classical features based scheme for objects recognition: an application for machine inspection. *Multimedia Tools and Applications*, **2020**, 1	2.5	25
128	Implications of E-learning systems and self-efficiency on students outcomes: a model approach. *Human-centric Computing and Information Sciences*, **2012**, 2, 6	5.4	25

127	Brain Tumor Detection from MRI images using Multi-level Wavelets **2019**,		24
126	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	2.5	24
125	A novel method for content-based image retrieval to improve the effectiveness of the bag-of-words model using a support vector machine. *Journal of Information Science*, **2019**, 45, 117-135	2	24
124	Improved Generalization for Secure Data Publishing. *IEEE Access*, **2018**, 6, 27156-27165	3.5	23
123	Recognition of Partially Occluded Objects Based on the Three Different Color Spaces (RGB, YCbCr, HSV). *3D Research*, **2015**, 6, 1	2.4	22
122	Entropy-controlled deep features selection framework for grape leaf diseases recognition. *Expert Systems*, **2020**,	2.1	22
121	Lung Nodule Detection based on Ensemble of Hand Crafted and Deep Features. *Journal of Medical Systems*, **2019**, 43, 332	5.1	22
120	Intelligent fuzzy approach for fast fractal image compression. *Eurasip Journal on Advances in Signal Processing*, **2014**, 2014,	1.9	21
119	Virtual machine security challenges: case studies. *International Journal of Machine Learning and Cybernetics*, **2014**, 5, 729-742	3.8	21
118	Machine learning techniques to detect and forecast the daily total COVID-19 infected and deaths cases under different lockdown types. *Microscopy Research and Technique*, **2021**, 84, 1462-1474	2.8	21
117	The practice of secure software development in SDLC: an investigation through existing model and a case study. *Security and Communication Networks*, **2016**, 9, 5333-5345	1.9	20
116	Content-based image retrieval: a deep look at features prospectus. *International Journal of Computational Vision and Robotics*, **2019**, 9, 14	0.7	19
115	A Revisit of Internet of Things Technologies for Monitoring and Control Strategies in Smart Agriculture. *Agronomy*, **2022**, 12, 127	3.6	19
114	Skin cancer detection from dermoscopic images using deep learning and fuzzy k-means clustering. *Microscopy Research and Technique*, **2021**,	2.8	19
113	Handling Irregularly Sampled Longitudinal Data and Prognostic Modeling of Diabetes Using Machine Learning Technique. *IEEE Access*, **2020**, 8, 21875-21885	3.5	18
112	Data hiding technique in steganography for information security using number theory. *Journal of Information Science*, **2019**, 45, 767-778	2	18
111	Modeling user rating preference behavior to improve the performance of the collaborative filtering based recommender systems. *PLoS ONE*, **2019**, 14, e0220129	3.7	17
110	Decision Support System for Risk Assessment and Management Strategies in Distributed Software Development. *IEEE Access*, **2017**, 5, 20349-20373	3.5	16

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108	Degradation effect of Auger recombination and built-in polarization field on GaN-based light-emitting diodes. *AIP Advances*, **2018**, 8, 015005	1.5	14
107	Deep Learning-Based COVID-19 Detection Using CT and X-Ray Images: Current Analytics and Comparisons.. *IT Professional*, **2021**, 23, 63-68	1.9	14
106	Expansion of Cluster Head Stability Using Fuzzy in Cognitive Radio CR-VANET. *IEEE Access*, **2019**, 7, 173185-173195	3.5	14
105	Gastric Tract Infections Detection and Classification from Wireless Capsule Endoscopy using Computer Vision Techniques: A Review. *Current Medical Imaging*, **2020**, 16, 1229-1242	1.2	14
104	Computer vision for microscopic skin cancer diagnosis using handcrafted and non-handcrafted features. *Microscopy Research and Technique*, **2021**, 84, 1272-1283	2.8	14
103	Replacement Attack: A New Zero Text Watermarking Attack. *3D Research*, **2017**, 8, 1	2.4	13
102	Multifocus watermarking approach based on discrete cosine transform. *Microscopy Research and Technique*, **2016**, 79, 431-7	2.8	13
101	A New Leaf Venation Detection Technique for Plant Species Classification. *Arabian Journal for Science and Engineering*, **2019**, 44, 3315-3327	2.5	13
100	WETRP: Weight Based Energy & Temperature Aware Routing Protocol for Wireless Body Sensor Networks. *IEEE Access*, **2019**, 7, 87987-87995	3.5	13
99	Automatic detection of papilledema through fundus retinal images using deep learning. *Microscopy Research and Technique*, **2021**, 84, 3066-3077	2.8	13
98	Concise analysis of current text automation and watermarking approaches. *Security and Communication Networks*, **2016**, 9, 6365-6378	1.9	13
97	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	2.5	13
96	Effect of complementary visual words versus complementary features on clustering for effective content-based image search. *Journal of Intelligent and Fuzzy Systems*, **2018**, 35, 5421-5434	1.6	13
95	Machine Learning Algorithms and Fault Detection for Improved Belief Function Based Decision Fusion in Wireless Sensor Networks. *Sensors*, **2019**, 19,	3.8	12
94	Calculating Completeness of Agile Scope in Scaled Agile Development. *IEEE Access*, **2018**, 6, 5822-5847	3.5	12
93	Simple and effective techniques for core-region detection and slant correction in offline script recognition **2009**,		12
92	Melanoma Detection and Classification using Computerized Analysis of Dermoscopic Systems: A Review. *Current Medical Imaging*, **2020**, 16, 794-822	1.2	12

91	Intrusion Detection System Through Advance Machine Learning for the Internet of Things Networks. *IT Professional*, **2021**, 23, 58-64	1.9	12
90	Secure and Energy-Aware Heuristic Routing Protocol for Wireless Sensor Network. *IEEE Access*, **2020**, 8, 163962-163974	3.5	11
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88	Scene search based on the adapted triangular regions and soft clustering to improve the effectiveness of the visual-bag-of-words model. *Eurasip Journal on Image and Video Processing*, **2018**, 2018,	2.5	11
87	Online versus offline Arabic script classification. *Neural Computing and Applications*, **2016**, 27, 1797-1804	4.8	10
86	A Novel Technique for Speech Recognition and Visualization Based Mobile Application to Support Two-Way Communication between Deaf-Mute and Normal Peoples. *Wireless Communications and Mobile Computing*, **2018**, 2018, 1-12	1.9	10
85	Blend Shape Interpolation and FACS for Realistic Avatar. *3D Research*, **2015**, 6, 1	2.4	10
84	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	2.5	10
83	Secured Big Data Analytics for Decision-Oriented Medical System Using Internet of Things. *Electronics (Switzerland)*, **2021**, 10, 1273	2.6	10
82	Writers Identification Based on Multiple Windows Features Mining. *3D Research*, **2016**, 7, 1	2.4	9
81	Query-by-visual-search: multimodal framework for content-based image retrieval. *Journal of Ambient Intelligence and Humanized Computing*, **2020**, 11, 5629-5648	3.7	9
80	A Realistic Image Generation of Face From Text Description Using the Fully Trained Generative Adversarial Networks. *IEEE Access*, **2021**, 9, 1250-1260	3.5	9
79	Plasmodium species aware based quantification of malaria parasitemia in light microscopy thin blood smear. *Microscopy Research and Technique*, **2019**, 82, 1198-1214	2.8	8
78	Intelligent Resource Allocation in Residential Buildings Using Consumer to Fog to Cloud Based Framework. *Energies*, **2019**, 12, 815	3.1	8
77	Way forward in meeting energy challenges in Pakistan. *International Journal of Ambient Energy*, **2018**, 39, 904-908	2	8
76	Generalized PVO-based dynamic block reversible data hiding for secure transmission using firefly algorithm. *Transactions on Emerging Telecommunications Technologies*, **2019**, e3680	1.9	8
75	EGCIR: Energy-Aware Graph Clustering and Intelligent Routing Using Supervised System in Wireless Sensor Networks. *Energies*, **2020**, 13, 4072	3.1	8
74	Pixel Intensity Based Cumulative Features for Moving Object Tracking (MOT) in Darkness. *3D Research*, **2016**, 7, 1	2.4	8

73	An Intelligent Saliency Segmentation Technique and Classification of Low Contrast Skin Lesion Dermoscopic Images Based on Histogram Decision **2019**,		8
72	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	3.5	8
71	Microscopic segmentation and classification of COVID-19 infection with ensemble convolutional neural network. *Microscopy Research and Technique*, **2021**,	2.8	8
70	Short-Term Forecasting for the Electricity Spot Prices With Extreme Values Treatment. *IEEE Access*, **2021**, 9, 105451-105462	3.5	8
69	The Correlation Between Blood Oxygenation Effects and Human Emotion Towards Facial Skin Colour of Virtual Human. *3D Research*, **2015**, 6, 1	2.4	7
68	ReVitAge: Realistic virtual heritage taking shadows and sky illumination into account. *Journal of Cultural Heritage*, **2018**, 32, 166-175	2.9	7
67	Privacy preserving data by conceptualizing smart cities using MIDR-Angelization. *Sustainable Cities and Society*, **2018**, 40, 326-334	10.1	7
66	Automatic Image Annotation Based on Deep Learning Models: A Systematic Review and Future Challenges. *IEEE Access*, **2021**, 1-1	3.5	7
65	Features selection for offline handwritten signature verification: state of the art. *International Journal of Computational Vision and Robotics*, **2018**, 8, 606	0.7	7
64	Fuzzy ARTMAP Approach for Arabic Writer Identification using Novel Features Fusion. *Journal of Computer Science*, **2018**, 14, 210-220	0.5	7
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62	Early CU Depth Decision and Reference Picture Selection for Low Complexity MV-HEVC. *Symmetry*, **2019**, 11, 454	2.7	6
61	3D Texture Features Mining for MRI Brain Tumor Identification. *3D Research*, **2014**, 5, 1	2.4	6
60	Power Usage Effectiveness Metrics to Measure Efficiency and Performance of Data Centers. *Applied Mathematics and Information Sciences*, **2014**, 8, 2207-2216	2.4	6
59	Intrusion Detection in Smart City Hospitals using Ensemble Classifiers **2020**,		6
58	Cursive multilingual characters recognition based on hard geometric features. *International Journal of Computational Vision and Robotics*, **2020**, 10, 213	0.7	6
57	Mobility Support 5G Architecture with Real-Time Routing for Sustainable Smart Cities. *Sustainability*, **2021**, 13, 9092	3.6	6
56	An automated nuclei segmentation of leukocytes from microscopic digital images. *Pakistan Journal of Pharmaceutical Sciences*, **2019**, 32, 2123-2138	0.4	6

55	A robust technique for copy-move forgery detection from small and extremely smooth tampered regions based on the DHE-SURF features and mDBSCAN clustering. *Australian Journal of Forensic Sciences*, **2020**, 1-24	1.1	5
54	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	0.9	5
53	Intelligent bar chart plagiarism detection in documents. *Scientific World Journal, The*, **2014**, 2014, 612787	1.2	5
52	Hevea Leaves Boundary Identification based on Morphological Transformation and Edge Detection Features. *Research Journal of Applied Sciences, Engineering and Technology*, **2014**, 7, 2447-2451	0.2	5
51	An intelligence design for detection and classification of COVID19 using fusion of classical and convolutional neural network and improved microscopic features selection approach. *Microscopy Research and Technique*, **2021**, 84, 2254-2267	2.8	5
50	Enhancing fragility of zero-based text watermarking utilizing effective characters list. *Multimedia Tools and Applications*, **2020**, 79, 341-354	2.5	5
49	Suspicious Activity Recognition Using Proposed Deep L4-Branched-Actionnet With Entropy Coded Ant Colony System Optimization. *IEEE Access*, **2021**, 9, 89181-89197	3.5	5
48	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	3.5	5
47	On the analysis of big data indexing execution strategies. *Journal of Intelligent and Fuzzy Systems*, **2017**, 32, 3259-3271	1.6	4
46	Crowd region detection in outdoor scenes using color spaces. *International Journal of Modeling, Simulation, and Scientific Computing*, **2018**, 09, 1850012	0.8	4
45	Improved Video Stabilization using SIFT-Log Polar Technique for Unmanned Aerial Vehicles **2019**,		4
44	Semantic analysis based forms information retrieval and classification. *3D Research*, **2013**, 4, 1	2.4	4
43	A new scars removal technique of fingerprint images **2009**,		4
42	Microscopic retinal blood vessels detection and segmentation using support vector machine and K-nearest neighbors.. *Microscopy Research and Technique*, **2022**,	2.8	4
41	On the Segmentation of Multiple Touched Cursive Characters: A Heuristic Approach. *Communications in Computer and Information Science*, **2010**, 540-542	0.3	4
40	An Efficient Pattern Recognition Based Method for Drug-Drug Interaction Diagnosis **2021**,		4
39	Steganography-assisted secure localization of smart devices in internet of multimedia things (IoMT). *Multimedia Tools and Applications*, **2021**, 80, 17045-17065	2.5	4
38	Identifying Patients With PTSD Utilizing Resting-State fMRI Data and Neural Network Approach. *IEEE Access*, **2021**, 9, 107941-107954	3.5	4

37	Phase-preserving approach in denoising computed tomography medical images. *Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization*, **2017**, 5, 16-26	0.9	3
36	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	2.5	3
35	Dynamic Programming Based Hybrid Strategy for Offline Cursive Script Recognition **2010**,		3
34	Breast microscopic cancer segmentation and classification using unique 4-qubit-quantum model.. *Microscopy Research and Technique*, **2022**,	2.8	3
33	An Ontology-Based Approach for Detecting Drug Abuse Epidemiology. *Journal of Medical Imaging and Health Informatics*, **2017**, 7, 1324-1337	1.2	3
32	A passive technique for detecting copy-move forgeries by image feature matching. *Multimedia Tools and Applications*, **2020**, 79, 31759-31782	2.5	3
31	Intelligent Traffic Signal Automation Based on Computer Vision Techniques Using Deep Learning. *IT Professional*, **2022**, 24, 27-33	1.9	3
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