

Khan Muhammad

List of Publications by Citations

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Version: 2024-04-25

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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.

240
papers

6,553
citations

42
h-index

69
g-index

261
ext. papers

9,747
ext. citations

4.7
avg, IF

7.15
L-index

#	Paper	IF	Citations
240	Action Recognition in Video Sequences using Deep Bi-Directional LSTM With CNN Features. <i>IEEE Access</i> , 2018 , 6, 1155-1166	3.5	307
239	Multi-grade brain tumor classification using deep CNN with extensive data augmentation. <i>Journal of Computational Science</i> , 2019 , 30, 174-182	3.4	225
238	Convolutional Neural Networks Based Fire Detection in Surveillance Videos. <i>IEEE Access</i> , 2018 , 6, 18174-18183	3.5	188
237	The impact of the hybrid platform of internet of things and cloud computing on healthcare systems: opportunities, challenges, and open problems. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019 , 10, 4151-4166	3.7	180
236	A hybrid model of Internet of Things and cloud computing to manage big data in health services applications. <i>Future Generation Computer Systems</i> , 2018 , 86, 1383-1394	7.5	175
235	Early fire detection using convolutional neural networks during surveillance for effective disaster management. <i>Neurocomputing</i> , 2018 , 288, 30-42	5.4	154
234	Secure Surveillance Framework for IoT Systems Using Probabilistic Image Encryption. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 3679-3689	11.9	145
233	Secure and Robust Fragile Watermarking Scheme for Medical Images. <i>IEEE Access</i> , 2018 , 6, 10269-10278	3.5	141
232	Efficient Deep CNN-Based Fire Detection and Localization in Video Surveillance Applications. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 1419-1434	7.3	126
231	Speech Emotion Recognition from Spectrograms with Deep Convolutional Neural Network 2017 ,		118
230	A novel magic LSB substitution method (M-LSB-SM) using multi-level encryption and achromatic component of an image. <i>Multimedia Tools and Applications</i> , 2016 , 75, 14867-14893	2.5	102
229	Efficient visual attention based framework for extracting key frames from videos. <i>Signal Processing: Image Communication</i> , 2013 , 28, 34-44	2.8	98
228	. <i>IEEE Transactions on Multimedia</i> , 2021 , 23, 2188-2198	6.6	98
227	Efficient Fire Detection for Uncertain Surveillance Environment. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 3113-3122	11.9	93
226	Dual watermarking framework for privacy protection and content authentication of multimedia. <i>Future Generation Computer Systems</i> , 2019 , 94, 654-673	7.5	89
225	A privacy-preserving cryptosystem for IoT E-healthcare. <i>Information Sciences</i> , 2020 , 527, 493-510	7.7	86
224	Hash Based Encryption for Keyframes of Diagnostic Hysteroscopy. <i>IEEE Access</i> , 2018 , 6, 60160-60170	3.5	78

223	Raspberry Pi assisted face recognition framework for enhanced law-enforcement services in smart cities. <i>Future Generation Computer Systems</i> , 2020 , 108, 995-1007	7.5	78
222	Activity Recognition Using Temporal Optical Flow Convolutional Features and Multilayer LSTM. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 9692-9702	8.9	76
221	Effective template update mechanism in visual tracking with background clutter. <i>Neurocomputing</i> , 2021 , 458, 615-625	5.4	76
220	Action recognition using optimized deep autoencoder and CNN for surveillance data streams of non-stationary environments. <i>Future Generation Computer Systems</i> , 2019 , 96, 386-397	7.5	74
219	Quantum-enhanced multiobjective large-scale optimization via parallelism. <i>Swarm and Evolutionary Computation</i> , 2020 , 57, 100697	9.8	73
218	Fuzzy-aided solution for out-of-view challenge in visual tracking under IoT-assisted complex environment. <i>Neural Computing and Applications</i> , 2021 , 33, 1055-1065	4.8	69
217	Multiobjective 3-D Topology Optimization of Next-Generation Wireless Data Center Network. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 3597-3605	11.9	67
216	Reliability of response region: A novel mechanism in visual tracking by edge computing for IIoT environments. <i>Mechanical Systems and Signal Processing</i> , 2020 , 138, 106537	7.8	66
215	Energy-Efficient Deep CNN for Smoke Detection in Foggy IoT Environment. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 9237-9245	10.7	65
214	Deep Learning for Multigrade Brain Tumor Classification in Smart Healthcare Systems: A Prospective Survey. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 507-522	10.3	64
213	Deep features-based speech emotion recognition for smart affective services. <i>Multimedia Tools and Applications</i> , 2019 , 78, 5571-5589	2.5	63
212	Saliency-directed prioritization of visual data in wireless surveillance networks. <i>Information Fusion</i> , 2015 , 24, 16-30	16.7	62
211	CISSKA-LSB: color image steganography using stego key-directed adaptive LSB substitution method. <i>Multimedia Tools and Applications</i> , 2017 , 76, 8597-8626	2.5	61
210	Leukocytes Classification and Segmentation in Microscopic Blood Smear: A Resource-Aware Healthcare Service in Smart Cities. <i>IEEE Access</i> , 2017 , 5, 3475-3489	3.5	59
209	Violence Detection Using Spatiotemporal Features with 3D Convolutional Neural Network. <i>Sensors</i> , 2019 , 19,	3.8	56
208	CNN-based anti-spoofing two-tier multi-factor authentication system. <i>Pattern Recognition Letters</i> , 2019 , 126, 123-131	4.7	55
207	Image steganography using uncorrelated color space and its application for security of visual contents in online social networks. <i>Future Generation Computer Systems</i> , 2018 , 86, 951-960	7.5	54
206	Dual-Level Security based Cyclic18 Steganographic Method and its Application for Secure Transmission of Keyframes during Wireless Capsule Endoscopy. <i>Journal of Medical Systems</i> , 2016 , 40, 114	5.1	53

205	Object Tracking in Vary Lighting Conditions for Fog Based Intelligent Surveillance of Public Spaces. <i>IEEE Access</i> , 2018 , 6, 29283-29296	3.5	53
204	Cloud-Assisted Multiview Video Summarization Using CNN and Bidirectional LSTM. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 77-86	11.9	50
203	Secure video summarization framework for personalized wireless capsule endoscopy. <i>Pervasive and Mobile Computing</i> , 2017 , 41, 436-450	3.5	49
202	Edge Intelligence-Assisted Smoke Detection in Foggy Surveillance Environments. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 1067-1075	11.9	49
201	Towards Efficient Electricity Forecasting in Residential and Commercial Buildings: A Novel Hybrid CNN with a LSTM-AE based Framework. <i>Sensors</i> , 2020 , 20,	3.8	47
200	Cost-Effective Video Summarization Using Deep CNN With Hierarchical Weighted Fusion for IoT Surveillance Networks. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 4455-4463	10.7	45
199	Image steganography for authenticity of visual contents in social networks. <i>Multimedia Tools and Applications</i> , 2017 , 76, 18985-19004	2.5	43
198	Mobile-cloud assisted framework for selective encryption of medical images with steganography for resource-constrained devices. <i>Multimedia Tools and Applications</i> , 2017 , 76, 3519-3536	2.5	41
197	Raspberry Pi assisted facial expression recognition framework for smart security in law-enforcement services. <i>Information Sciences</i> , 2019 , 479, 416-431	7.7	40
196	CNN features with bi-directional LSTM for real-time anomaly detection in surveillance networks. <i>Multimedia Tools and Applications</i> , 2021 , 80, 16979-16995	2.5	40
195	A Novel High Gain Wideband MIMO Antenna for 5G Millimeter Wave Applications. <i>Electronics (Switzerland)</i> , 2020 , 9, 1031	2.6	38
194	Intelligent Embedded Vision for Summarization of Multiview Videos in IIoT. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 2592-2602	11.9	38
193	Efficient CNN based summarization of surveillance videos for resource-constrained devices. <i>Pattern Recognition Letters</i> , 2020 , 130, 370-375	4.7	38
192	Performance Analysis of Boosting Classifiers in Recognizing Activities of Daily Living. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	37
191	An Open IoHT-Based Deep Learning Framework for Online Medical Image Recognition. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 39, 541-548	14.2	35
190	Deep Learning for Safe Autonomous Driving: Current Challenges and Future Directions. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 4316-4336	6.1	34
189	Five-category classification of pathological brain images based on deep stacked sparse autoencoder. <i>Multimedia Tools and Applications</i> , 2019 , 78, 4045-4064	2.5	34
188	Efficient visual attention driven framework for key frames extraction from hysteroscopy videos. <i>Biomedical Signal Processing and Control</i> , 2017 , 33, 161-168	4.9	33

187	Cover the Violence: A Novel Deep-Learning-Based Approach Towards Violence-Detection in Movies. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 4963	2.6	33
186	Human Behavior Understanding in Big Multimedia Data Using CNN based Facial Expression Recognition. <i>Mobile Networks and Applications</i> , 2020 , 25, 1611-1621	2.9	33
185	Machine learning-assisted signature and heuristic-based detection of malwares in Android devices. <i>Computers and Electrical Engineering</i> , 2018 , 69, 828-841	4.3	33
184	Analysis of high-dimensional biomedical data using an evolutionary multi-objective emperor penguin optimizer. <i>Swarm and Evolutionary Computation</i> , 2019 , 48, 262-273	9.8	32
183	Multi-Class Skin Lesion Detection and Classification via Teledermatology. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , 25, 4267-4275	7.2	32
182	Visual features based boosted classification of weeds for real-time selective herbicide sprayer systems. <i>Computers in Industry</i> , 2018 , 98, 23-33	11.6	31
181	Prioritization of brain MRI volumes using medical image perception model and tumor region segmentation. <i>Computers in Biology and Medicine</i> , 2013 , 43, 1471-83	7	31
180	DeepReS: A Deep Learning-Based Video Summarization Strategy for Resource-Constrained Industrial Surveillance Scenarios. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 5938-5947	11.9	31
179	Efficient Security and Authentication for Edge-Based Internet of Medical Things.. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 15652-15662	10.7	31
178	Fog computing enabled cost-effective distributed summarization of surveillance videos for smart cities. <i>Journal of Parallel and Distributed Computing</i> , 2019 , 126, 161-170	4.4	31
177	Efficient Image Recognition and Retrieval on IoT-Assisted Energy-Constrained Platforms From Big Data Repositories. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 9246-9255	10.7	30
176	Elastic and cost-effective data carrier architecture for smart contract in blockchain. <i>Future Generation Computer Systems</i> , 2019 , 100, 590-599	7.5	30
175	IoT-Based Smart Waste Bin Monitoring and Municipal Solid Waste Management System for Smart Cities. <i>Arabian Journal for Science and Engineering</i> , 2020 , 45, 10185-10198	2.5	30
174	An Efficient Deep Learning Framework for Intelligent Energy Management in IoT Networks. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 3170-3179	10.7	30
173	Toward 6G Architecture for Energy-Efficient Communication in IoT-Enabled Smart Automation Systems. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 5141-5148	10.7	30
172	Mobility Enabled Security for Optimizing IoT based Intelligent Applications. <i>IEEE Network</i> , 2020 , 34, 72-77	11.4	29
171	Ensemble-classifiers-assisted detection of cerebral microbleeds in brain MRI. <i>Computers and Electrical Engineering</i> , 2018 , 69, 768-781	4.3	29
170	Role of Hybrid Deep Neural Networks (HDNNs), Computed Tomography, and Chest X-rays for the Detection of COVID-19. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	29

169	Secure data transmission framework for confidentiality in IoTs. <i>Ad Hoc Networks</i> , 2019 , 95, 101989	4.8	28
168	Video summarization based tele-endoscopy: a service to efficiently manage visual data generated during wireless capsule endoscopy procedure. <i>Journal of Medical Systems</i> , 2014 , 38, 109	5.1	28
167	Intelligent and Energy-Efficient Data Prioritization in Green Smart Cities: Current Challenges and Future Directions. <i>IEEE Communications Magazine</i> , 2019 , 57, 60-65	9.1	27
166	Deep Learning Assisted Buildings Energy Consumption Profiling Using Smart Meter Data. <i>Sensors</i> , 2020 , 20,	3.8	27
165	A Review of Artificial Intelligence Methods for Condition Monitoring and Fault Diagnosis of Rolling Element Bearings for Induction Motor. <i>Shock and Vibration</i> , 2020 , 2020, 1-20	1.1	27
164	GAN-Based Semi-Supervised Learning Approach for Clinical Decision Support in Health-IoT Platform. <i>IEEE Access</i> , 2019 , 7, 8048-8057	3.5	27
163	Analysis of high-dimensional genomic data employing a novel bio-inspired algorithm. <i>Applied Soft Computing Journal</i> , 2019 , 77, 520-532	7.5	26
162	Endoscopic Image Classification and Retrieval using Clustered Convolutional Features. <i>Journal of Medical Systems</i> , 2017 , 41, 196	5.1	25
161	Towards Short Term Electricity Load Forecasting Using Improved Support Vector Machine and Extreme Learning Machine. <i>Energies</i> , 2020 , 13, 2907	3.1	25
160	Medical Image Retrieval with Compact Binary Codes Generated in Frequency Domain Using Highly Reactive Convolutional Features. <i>Journal of Medical Systems</i> , 2017 , 42, 24	5.1	25
159	Mobile-cloud assisted video summarization framework for efficient management of remote sensing data generated by wireless capsule sensors. <i>Sensors</i> , 2014 , 14, 17112-45	3.8	25
158	A comprehensive survey of multi-view video summarization. <i>Pattern Recognition</i> , 2021 , 109, 107567	7.7	25
157	A review on automated diagnosis of malaria parasite in microscopic blood smears images. <i>Multimedia Tools and Applications</i> , 2018 , 77, 9801-9826	2.5	24
156	SiNC: Saliency-injected neural codes for representation and efficient retrieval of medical radiographs. <i>PLoS ONE</i> , 2017 , 12, e0181707	3.7	24
155	Skin Cancer Detection: A Review Using Deep Learning Techniques. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	24
154	Visual saliency models for summarization of diagnostic hysteroscopy videos in healthcare systems. <i>SpringerPlus</i> , 2016 , 5, 1495		24
153	A Novel Method for COVID-19 Diagnosis Using Artificial Intelligence in Chest X-ray Images. <i>Healthcare (Switzerland)</i> , 2021 , 9,	3.4	23
152	Efficient activity recognition using lightweight CNN and DS-GRU network for surveillance applications. <i>Applied Soft Computing Journal</i> , 2021 , 103, 107102	7.5	23

151	Federated learning for COVID-19 screening from Chest X-ray images. <i>Applied Soft Computing Journal</i> , 2021 , 106, 107330	7.5	23
150	Privacy-preserving image retrieval for mobile devices with deep features on the cloud. <i>Computer Communications</i> , 2018 , 127, 75-85	5.1	22
149	Intelligent Baby Behavior Monitoring using Embedded Vision in IoT for Smart Healthcare Centers. <i>Journal of Artificial Intelligence and Systems</i> , 2019 , 1, 110-124	3.3	22
148	Efficient Conversion of Deep Features to Compact Binary Codes Using Fourier Decomposition for Multimedia Big Data. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 3205-3215	11.9	21
147	Multi-scale local structure patterns histogram for describing visual contents in social image retrieval systems. <i>Multimedia Tools and Applications</i> , 2016 , 75, 12669-12692	2.5	21
146	Reversible data hiding exploiting Huffman encoding with dual images for IoMT based healthcare. <i>Computer Communications</i> , 2020 , 163, 134-149	5.1	21
145	Object-oriented convolutional features for fine-grained image retrieval in large surveillance datasets. <i>Future Generation Computer Systems</i> , 2018 , 81, 314-330	7.5	21
144	Robust Image Hashing Based Efficient Authentication for Smart Industrial Environment. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 6541-6550	11.9	20
143	Image super-resolution using sparse coding over redundant dictionary based on effective image representations. <i>Journal of Visual Communication and Image Representation</i> , 2015 , 26, 50-65	2.7	20
142	Sparse representations-based super-resolution of key-frames extracted from frames-sequences generated by a visual sensor network. <i>Sensors</i> , 2014 , 14, 3652-74	3.8	20
141	. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	20
140	Sequential Learning-Based Energy Consumption Prediction Model for Residential and Commercial Sectors. <i>Mathematics</i> , 2021 , 9, 605	2.3	19
139	DWFCAT: Dual Watermarking Framework for Industrial Image Authentication and Tamper Localization. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 5108-5117	11.9	19
138	Vehicle Detection and Tracking in Adverse Weather Using a Deep Learning Framework. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 4230-4242	6.1	19
137	Personalized Movie Summarization Using Deep CNN-Assisted Facial Expression Recognition. <i>Complexity</i> , 2019 , 2019, 1-10	1.6	18
136	Anisotropic Diffusion based Brain MRI Segmentation and 3D Reconstruction. <i>International Journal of Computational Intelligence Systems</i> , 2012 , 5, 494-504	3.4	18
135	Fuzzy-Based Fault-Tolerant Control for Omnidirectional Mobile Robot. <i>Machines</i> , 2020 , 8, 55	2.9	18
134	. <i>IEEE Access</i> , 2019 , 7, 9265-9272	3.5	18

133	Waste Management and Prediction of Air Pollutants Using IoT and Machine Learning Approach. <i>Energies</i> , 2020 , 13, 3930	3.1	17
132	Vision-based personalized Wireless Capsule Endoscopy for smart healthcare: Taxonomy, literature review, opportunities and challenges. <i>Future Generation Computer Systems</i> , 2020 , 113, 266-280	7.5	16
131	Lip biometric template security framework using spatial steganography. <i>Pattern Recognition Letters</i> , 2019 , 126, 102-110	4.7	16
130	SD-Net: Understanding overcrowded scenes in real-time via an efficient dilated convolutional neural network. <i>Journal of Real-Time Image Processing</i> , 2020 , 18, 1729	1.9	16
129	Electrical Energy Prediction in Residential Buildings for Short-Term Horizons Using Hybrid Deep Learning Strategy. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 8634	2.6	16
128	Conflux LSTMs Network: A Novel Approach for Multi-View Action Recognition. <i>Neurocomputing</i> , 2021 , 435, 321-329	5.4	16
127	Industrial Internet-of-Things Security Enhanced With Deep Learning Approaches for Smart Cities. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 6393-6405	10.7	16
126	Batteries State of Health Estimation via Efficient Neural Networks With Multiple Channel Charging Profiles. <i>IEEE Access</i> , 2021 , 9, 7797-7813	3.5	16
125	Do Corporate Social Responsibility Disclosures Improve Financial Performance? A Perspective of the Islamic Banking Industry in Pakistan. <i>Sustainability</i> , 2020 , 12, 3302	3.6	15
124	Data augmentation-assisted deep learning of hand-drawn partially colored sketches for visual search. <i>PLoS ONE</i> , 2017 , 12, e0183838	3.7	15
123	Towards Efficient Building Designing: Heating and Cooling Load Prediction via Multi-Output Model. <i>Sensors</i> , 2020 , 20,	3.8	15
122	Multiview Summarization and Activity Recognition Meet Edge Computing in IoT Environments. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 9634-9644	10.7	15
121	A Novel Image Steganography Method for Industrial Internet of Things Security. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 7743-7751	11.9	15
120	Vision Sensor-Based Real-Time Fire Detection in Resource-Constrained IoT Environments.. <i>Computational Intelligence and Neuroscience</i> , 2021 , 2021, 5195508	3	15
119	An Efficient Anomaly Recognition Framework Using an Attention Residual LSTM in Surveillance Videos. <i>Sensors</i> , 2021 , 21,	3.8	14
118	DeepSmoke: Deep learning model for smoke detection and segmentation in outdoor environments. <i>Expert Systems With Applications</i> , 2021 , 182, 115125	7.8	14
117	. <i>IEEE Network</i> , 2020 , 34, 108-115	11.4	13
116	Artificial Intelligence of Things-assisted two-stream neural network for anomaly detection in surveillance Big Video Data. <i>Future Generation Computer Systems</i> , 2021 , 129, 286-286	7.5	13

115	Intelligent fusion-assisted skin lesion localization and classification for smart healthcare. <i>Neural Computing and Applications</i> ,1	4.8	13
114	A Security Management Framework for Big Data in Smart Healthcare. <i>Big Data Research</i> , 2021 , 25, 1002257	3.5	13
113	Identification of Alcoholism Based on Wavelet Renyi Entropy and Three-Segment Encoded Jaya Algorithm. <i>Complexity</i> , 2018 , 2018, 1-13	1.6	13
112	Nature Inspired MIMO Antenna System for Future mmWave Technologies. <i>Micromachines</i> , 2020 , 11,	3.3	12
111	Security Framework for IoT Based Real-Time Health Applications. <i>Electronics (Switzerland)</i> , 2021 , 10, 719	2.6	12
110	. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 12705-12715	10.7	12
109	Deep-ReID: deep features and autoencoder assisted image patching strategy for person re-identification in smart cities surveillance. <i>Multimedia Tools and Applications</i> ,1	2.5	12
108	Smart and intelligent energy monitoring systems: A comprehensive literature survey and future research guidelines. <i>International Journal of Energy Research</i> , 2021 , 45, 3590-3614	4.5	12
107	Smart Sensing Based Functional Control for Reducing Uncertainties in Agricultural Farm Data Analysis. <i>IEEE Sensors Journal</i> , 2021 , 21, 17469-17478	4	12
106	Movie scene segmentation using object detection and set theory. <i>International Journal of Distributed Sensor Networks</i> , 2019 , 15, 155014771984527	1.7	11
105	Hiding medical information in brain MR images without affecting accuracy of classifying pathological brain. <i>Future Generation Computer Systems</i> , 2019 , 99, 235-246	7.5	11
104	Multi-kernel based adaptive interpolation for image super-resolution. <i>Multimedia Tools and Applications</i> , 2014 , 72, 2063-2085	2.5	11
103	COVID-Transformer: Interpretable COVID-19 Detection Using Vision Transformer for Healthcare. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	11
102	An Adaptive Game-Based Learning Strategy for Children Road Safety Education and Practice in Virtual Space. <i>Sensors</i> , 2021 , 21,	3.8	11
101	Understanding Citizen Issues through Reviews: A Step towards Data Informed Planning in Smart Cities. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1589	2.6	11
100	An efficient computerized decision support system for the analysis and 3D visualization of brain tumor. <i>Multimedia Tools and Applications</i> , 2019 , 78, 12723-12748	2.5	10
99	Design of a Novel Electric Diagnostic Technique for Fault Analysis of Centrifugal Pumps. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 5093	2.6	10
98	A Robust Regression-Based Stock Exchange Forecasting and Determination of Correlation Between Stock Markets. <i>Sustainability</i> , 2018 , 10, 3702	3.6	10

97	Secret Sharing-based Personal Health Records Management for the Internet of Health Things. <i>Sustainable Cities and Society</i> , 2021 , 74, 103129	10.1	10
96	Brain Tumor/Mass Classification Framework Using Magnetic-Resonance-Imaging-Based Isolated and Developed Transfer Deep-Learning Model.. <i>Sensors</i> , 2022 , 22,	3.8	9
95	Light-DehazeNet: A Novel Lightweight CNN Architecture for Single Image Dehazing. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 8968-8982	8.7	9
94	Diving Deep into Short-Term Electricity Load Forecasting: Comparative Analysis and a Novel Framework. <i>Mathematics</i> , 2021 , 9, 611	2.3	9
93	AI assisted Edge Vision for Violence Detection in IoT based Industrial Surveillance Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	9
92	Modeling of Fault Frequencies for Distributed Damages in Bearing Raceways. <i>Journal of Nondestructive Evaluation</i> , 2019 , 38, 1	2.1	8
91	Dempster-Shafer Fusion Based Gender Recognition for Speech Analysis Applications 2016 ,		8
90	MRT letter: visual attention driven framework for hysteroscopy video abstraction. <i>Microscopy Research and Technique</i> , 2013 , 76, 559-63	2.8	8
89	A Secure Communication in IoT Enabled Underwater and Wireless Sensor Network for Smart Cities. <i>Sensors</i> , 2020 , 20,	3.8	8
88	ML-DCNNNet: Multi-level Deep Convolutional Neural Network for Facial Expression Recognition and Intensity Estimation. <i>Arabian Journal for Science and Engineering</i> , 2020 , 45, 10605-10620	2.5	8
87	School of the Future: A Comprehensive Study on the Effectiveness of Augmented Reality as a Tool for Primary School Children's Education. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5277	2.6	8
86	An optimal cascaded recurrent neural network for intelligent COVID-19 detection using Chest X-ray images. <i>Applied Soft Computing Journal</i> , 2021 , 113, 107878	7.5	8
85	Joint Data Hiding and Compression Scheme Based on Modified BTC and Image Inpainting. <i>IEEE Access</i> , 2019 , 7, 116027-116037	3.5	7
84	Comparison of Machine Learning Classifiers for Accurate Prediction of Real-Time Stuck Pipe Incidents. <i>Energies</i> , 2020 , 13, 3683	3.1	7
83	An Adoptive Threshold-Based Multi-Level Deep Convolutional Neural Network for Glaucoma Eye Disease Detection and Classification. <i>Diagnostics</i> , 2020 , 10,	3.8	7
82	Real Time Multipurpose Smart Waste Classification Model for Efficient Recycling in Smart Cities Using Multilayer Convolutional Neural Network and Perceptron. <i>Sensors</i> , 2021 , 21,	3.8	7
81	An intelligent system for complex violence pattern analysis and detection. <i>International Journal of Intelligent Systems</i> ,	8.4	7
80	Big Data Analytics for Short and Medium-Term Electricity Load Forecasting Using an AI Techniques Ensembler. <i>Energies</i> , 2020 , 13, 5193	3.1	6

79	Determining speaker attributes from stress-affected speech in emergency situations with hybrid SVM-DNN architecture. <i>Multimedia Tools and Applications</i> , 2018 , 77, 4883-4907	2.5	6
78	Basis pursuit denoising-based image superresolution using a redundant set of atoms. <i>Signal, Image and Video Processing</i> , 2016 , 10, 181-188	1.6	6
77	Design and Experimental Analysis of Multiband Frequency Reconfigurable Antenna for 5G and Sub-6 GHz Wireless Communication. <i>Micromachines</i> , 2020 , 12,	3.3	6
76	Atrous Convolutions and Residual GRU Based Architecture for Matching Power Demand with Supply. <i>Sensors</i> , 2021 , 21,	3.8	6
75	Realization of an Adaptive Data Hiding System for Electronic Patient Record, Embedding in Medical Images. <i>Lecture Notes in Intelligent Transportation and Infrastructure</i> , 2019 , 47-70	0.3	6
74	Mechanical Pressure Characterization of CNT-Graphene Composite Material. <i>Micromachines</i> , 2020 , 11,	3.3	6
73	Fuzzy Logic in Surveillance Big Video Data Analysis. <i>ACM Computing Surveys</i> , 2021 , 54, 1-33	13.4	6
72	Facilitating mmWave Mesh Reliability in PPDR Scenarios Utilizing Artificial Intelligence. <i>IEEE Access</i> , 2019 , 7, 180700-180712	3.5	6
71	An Efficient and Scalable Simulation Model for Autonomous Vehicles With Economical Hardware. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 1718-1732	6.1	6
70	Cyber Threat Predictive Analytics for Improving Cyber Supply Chain Security. <i>IEEE Access</i> , 2021 , 9, 94318-94337	5.5	6
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