

Khan Muhammad

List of Publications by Year in Descending Order

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

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	A Multi-Stream Sequence Learning Framework for Human Interaction Recognition. <i>IEEE Transactions on Human-Machine Systems</i> , 2022 , 1-10	4.1	0
239	Spatio-Temporal Self-Attention Network for Fire Detection and Segmentation in Video Surveillance. <i>IEEE Access</i> , 2022 , 10, 1259-1275	3.5	4
238	Assessment of PERSIANN-CCS, PERSIANN-CDR, SM2RAIN-ASCAT, and CHIRPS-2.0 Rainfall Products over a Semi-Arid Subtropical Climatic Region. <i>Water (Switzerland)</i> , 2022 , 14, 147	3	1
237	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
236	Gold Nanorods for Doxorubicin Delivery: Numerical Analysis of Electric Field Enhancement, Optical Properties and Drug Loading/Releasing Efficiency.. <i>Materials</i> , 2022 , 15,	3.5	2
235	Condition monitoring of water pump bearings using ensemble classifier. <i>Advances in Mechanical Engineering</i> , 2022 , 14, 168781322210891	1.2	0
234	A Comparison of Machine Learning Methods for the Diagnosis of Motor Faults Using Automated Spectral Feature Extraction Technique. <i>Journal of Nondestructive Evaluation</i> , 2022 , 41, 1	2.1	
233	Response Surface Methodology and Artificial Neural Network Modelling of Membrane Rotating Biological Contactors for Wastewater Treatment.. <i>Materials</i> , 2022 , 15,	3.5	2
232	Vision Transformer and Deep Sequence Learning for Human Activity Recognition in Surveillance Videos.. <i>Computational Intelligence and Neuroscience</i> , 2022 , 2022, 3454167	3	6
231	A Reliable Sample Selection Strategy for Weakly Supervised Visual Tracking. <i>IEEE Transactions on Reliability</i> , 2022 , 1-12	4.6	1
230	Computerized Analysis of Mammogram Images for Early Detection of Breast Cancer. <i>Healthcare (Switzerland)</i> , 2022 , 10, 801	3.4	1
229	Investigating the Impact of Cu ²⁺ Doping on the Morphological, Structural, Optical, and Electrical Properties of CoFe ₂ O ₄ Nanoparticles for Use in Electrical Devices. <i>Materials</i> , 2022 , 15, 3502	3.5	0
228	EADN: An Efficient Deep Learning Model for Anomaly Detection in Videos. <i>Mathematics</i> , 2022 , 10, 1555	2.3	2
227	A deep fuzzy model for diagnosis of COVID-19 from CT images.. <i>Applied Soft Computing Journal</i> , 2022 , 108883	7.5	3
226	Controllable Model Compression for Roadside Camera Depth Estimation. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-8	6.1	
225	Group'n Route: An Edge Learning-Based Clustering and Efficient Routing Scheme Leveraging Social Strength for the Internet of Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-13	6.1	1
224	Influence of Elbow Angle on Erosion-Corrosion of 1018 Steel for Gas-Liquid-Solid Three Phase Flow. <i>Materials</i> , 2022 , 15, 3721	3.5	1

223	WEENet: An Intelligent System for Diagnosing COVID-19 and Lung Cancer in IoMT Environments.. <i>Frontiers in Oncology</i> , 2021 , 11, 811355	5.3	3
222	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
221	Statistical Study of Nonthermal Plasma-Assisted ZnO Coating of Cotton Fabric through Ultrasonic-Assisted Green Synthesis for Improved Self-Cleaning and Antimicrobial Properties. <i>Materials</i> , 2021 , 14,	3.5	1
220	Cross-Modal Guidance Assisted Hierarchical Learning Based Siamese Network for MR Image Denoising. <i>Electronics (Switzerland)</i> , 2021 , 10, 2855	2.6	0
219	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
218	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
217	Statistically Optimized Production of Saccharides Stabilized Silver Nanoparticles Using Liquid-Plasma Reduction Approach for Antibacterial Treatment of Water. <i>Materials</i> , 2021 , 14,	3.5	1
216	Synthesis and Characterization of Carbon and Carbon-Nitrogen Doped Black TiO Nanomaterials and Their Application in Sonophotocatalytic Remediation of Treated Agro-Industrial Wastewater. <i>Materials</i> , 2021 , 14,	3.5	2
215	Atrous Convolutions and Residual GRU Based Architecture for Matching Power Demand with Supply. <i>Sensors</i> , 2021 , 21,	3.8	6
214	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
213	Sequential Learning-Based Energy Consumption Prediction Model for Residential and Commercial Sectors. <i>Mathematics</i> , 2021 , 9, 605	2.3	19
212	Efficient Shadow Encoding Scheme Towards Power Spectrum Density in Digital Network Communication. <i>Wireless Personal Communications</i> , 2021 , 119, 3179-3206	1.9	0
211	Security Framework for IoT Based Real-Time Health Applications. <i>Electronics (Switzerland)</i> , 2021 , 10, 719	2.6	12
210	Diving Deep into Short-Term Electricity Load Forecasting: Comparative Analysis and a Novel Framework. <i>Mathematics</i> , 2021 , 9, 611	2.3	9
209	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
208	A Connectivity-Based Clustering Scheme for Intelligent Vehicles. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2413	2.6	1
207	Towards Controlled Transmission: A Novel Power-Based Sparsity-Aware and Energy-Efficient Clustering for Underwater Sensor Networks in Marine Transport Safety. <i>Electronics (Switzerland)</i> , 2021 , 10, 854	2.6	3
206	An Efficient Anomaly Recognition Framework Using an Attention Residual LSTM in Surveillance Videos. <i>Sensors</i> , 2021 , 21,	3.8	14

205	Energy efficient watchman based flooding algorithm for IoT-enabled underwater wireless sensor and actor networks. <i>ETRI Journal</i> , 2021 , 43, 414-426	1.4	1
204	De-Emulsification and Gravity Separation of Micro-Emulsion Produced with Enhanced Oil Recovery Chemicals Flooding. <i>Energies</i> , 2021 , 14, 2249	3.1	5
203	Natural Disasters Intensity Analysis and Classification Based on Multispectral Images Using Multi-Layered Deep Convolutional Neural Network. <i>Sensors</i> , 2021 , 21,	3.8	5
202	A Novel Method for COVID-19 Diagnosis Using Artificial Intelligence in Chest X-ray Images. <i>Healthcare (Switzerland)</i> , 2021 , 9,	3.4	23
201	Centrifugal Compressor Stall Control by the Application of Engineered Surface Roughness on Diffuser Shroud Using Numerical Simulations. <i>Materials</i> , 2021 , 14,	3.5	3
200	Skin Cancer Detection: A Review Using Deep Learning Techniques. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	24
199	An Adaptive Game-Based Learning Strategy for Children Road Safety Education and Practice in Virtual Space. <i>Sensors</i> , 2021 , 21,	3.8	11
198	Splicing sites prediction of human genome using machine learning techniques. <i>Multimedia Tools and Applications</i> , 2021 , 80, 30439-30460	2.5	1
197	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
196	Fuzzy Logic in Surveillance Big Video Data Analysis. <i>ACM Computing Surveys</i> , 2021 , 54, 1-33	13.4	6
195	A Novel Feature Extraction and Fault Detection Technique for the Intelligent Fault Identification of Water Pump Bearings. <i>Sensors</i> , 2021 , 21,	3.8	2
194	School of the Future: A Comprehensive Study on the Effectiveness of Augmented Reality as a Tool for Primary School Children Education. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5277	2.6	8
193	Distance Measurement of Unmanned Aerial Vehicles Using Vision-Based Systems in Unknown Environments. <i>Electronics (Switzerland)</i> , 2021 , 10, 1647	2.6	1
192	Federated learning for COVID-19 screening from Chest X-ray images. <i>Applied Soft Computing Journal</i> , 2021 , 106, 107330	7.5	23
191	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
190	A Security Management Framework for Big Data in Smart Healthcare. <i>Big Data Research</i> , 2021 , 25, 1002257	3.5	13
189	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
188	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

187	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
186	A comprehensive survey of multi-view video summarization. <i>Pattern Recognition</i> , 2021 , 109, 107567	7.7	25
185	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
184	. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 12705-12715	10.7	12
183	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
182	Conflux LSTMs Network: A Novel Approach for Multi-View Action Recognition. <i>Neurocomputing</i> , 2021 , 435, 321-329	5.4	16
181	Effective template update mechanism in visual tracking with background clutter. <i>Neurocomputing</i> , 2021 , 458, 615-625	5.4	76
180	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
179	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
178	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
177	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
176	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
175	INDFORG: Industrial Forgery Detection Using Automatic Rotation Angle Detection and Correction. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 3630-3639	11.9	5
174	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
173	A Systematic Mapping Review on MOOC Recommender Systems. <i>IEEE Access</i> , 2021 , 9, 118379-118405	3.5	4
172	Cyber Threat Predictive Analytics for Improving Cyber Supply Chain Security. <i>IEEE Access</i> , 2021 , 9, 94318-94337	3.5	37
171	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
170	FallDeF5: A Fall Detection Framework Using 5G-Based Deep Gated Recurrent Unit Networks. <i>IEEE Access</i> , 2021 , 9, 94299-94308	3.5	2

169	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
168	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
167	Mitigation of Phase Noise and Nonlinearities for High Capacity Radio-over-Fiber Links. <i>Electronics (Switzerland)</i> , 2021 , 10, 345	2.6	2
166	Analyzing the Features Affecting the Performance of Teachers during Covid-19: A Multilevel Feature Selection. <i>Electronics (Switzerland)</i> , 2021 , 10, 1673	2.6	0
165	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
164	Smart Sensing Based Functional Control for Reducing Uncertainties in Agricultural Farm Data Analysis. <i>IEEE Sensors Journal</i> , 2021 , 21, 17469-17478	4	12
163	A Novel Technique to Detect False Data Injection Attacks on Phasor Measurement Units. <i>Sensors</i> , 2021 , 21,	3.8	1
162	Smart Fire Detection and Deterrent System for Human Savior by Using Internet of Things (IoT). <i>Energies</i> , 2021 , 14, 5500	3.1	3
161	Breast cancer detection using an ensemble deep learning method. <i>Biomedical Signal Processing and Control</i> , 2021 , 70, 103009	4.9	4
160	Impact of Novel Image Preprocessing Techniques on Retinal Vessel Segmentation. <i>Electronics (Switzerland)</i> , 2021 , 10, 2297	2.6	0
159	Optimization of Phasor Measurement Unit Placement Using Several Proposed Case Factors for Power Network Monitoring. <i>Energies</i> , 2021 , 14, 5596	3.1	1
158	Exploration and determination of algal role as Bioindicator to evaluate water quality - Probing fresh water algae. <i>Saudi Journal of Biological Sciences</i> , 2021 , 28, 5728-5737	4	6
157	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
156	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
155	DeepSmoke: Deep learning model for smoke detection and segmentation in outdoor environments. <i>Expert Systems With Applications</i> , 2021 , 182, 115125	7.8	14
154	QuickLook: Movie summarization using scene-based leading characters with psychological cues fusion. <i>Information Fusion</i> , 2021 , 76, 24-35	16.7	2
153	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
152	Empirical Assessment of Machine Learning Techniques for Software Requirements Risk Prediction. <i>Electronics (Switzerland)</i> , 2021 , 10, 168	2.6	3

151	. <i>IEEE Transactions on Multimedia</i> , 2021 , 23, 2188-2198	6.6	98
150	Multi-Class Skin Lesion Detection and Classification via Tele dermatology. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , 25, 4267-4275	7.2	32
149	. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	20
148	Vision Sensor-Based Real-Time Fire Detection in Resource-Constrained IoT Environments.. <i>Computational Intelligence and Neuroscience</i> , 2021 , 2021, 5195508	3	15
147	A Reliable Auto-Robust Analysis of Blood Smear Images for Classification of Microcytic Hypochromic Anemia Using Gray Level Matrices and Gabor Feature Bank. <i>Entropy</i> , 2020 , 22,	2.8	2
146	Savior: A Reliable Fault Resilient Router Architecture for Network-on-Chip. <i>Electronics (Switzerland)</i> , 2020 , 9, 1783	2.6	2
145	Mitigation of Nonlinear Distortions for a 100 Gb/s Radio-Over-Fiber-Based WDM Network. <i>Electronics (Switzerland)</i> , 2020 , 9, 1796	2.6	5
144	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
143	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
142	. <i>IEEE Network</i> , 2020 , 34, 108-115	11.4	13
141	A closed-loop healthcare processing approach based on deep reinforcement learning. <i>Multimedia Tools and Applications</i> , 2020 , 1	2.5	5
140	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
139	Quantum-enhanced multiobjective large-scale optimization via parallelism. <i>Swarm and Evolutionary Computation</i> , 2020 , 57, 100697	9.8	73
138	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
137	Combining Multiple Biometric Traits Using Asymmetric Aggregation Operators for Improved Person Recognition. <i>Symmetry</i> , 2020 , 12, 444	2.7	4
136	Towards Short Term Electricity Load Forecasting Using Improved Support Vector Machine and Extreme Learning Machine. <i>Energies</i> , 2020 , 13, 2907	3.1	25
135	A Novel High Gain Wideband MIMO Antenna for 5G Millimeter Wave Applications. <i>Electronics (Switzerland)</i> , 2020 , 9, 1031	2.6	38
134	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

133	Deep Learning Assisted Buildings Energy Consumption Profiling Using Smart Meter Data. <i>Sensors</i> , 2020 , 20,	3.8	27
132	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
131	Weighted LIC-Based Structure Tensor With Application to Image Content Perception and Processing. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 1-1	11.9	2
130	Mobility Enabled Security for Optimizing IoT based Intelligent Applications. <i>IEEE Network</i> , 2020 , 34, 72-77	11.4	29
129	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
128	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
127	Moving towards IoT Based Digital Communication: An Efficient Utilization of Power Spectrum Density for Smart Cities. <i>Sensors</i> , 2020 , 20,	3.8	2
126	Evaluation of Quality and Readability of Online Health Information on High Blood Pressure Using DISCERN and Flesch-Kincaid Tools. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3214	2.6	3
125	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
124	Intelligent Embedded Vision for Summarization of Multiview Videos in IIoT. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 2592-2602	11.9	38
123	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
122	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
121	DSP-Assisted Nonlinear Impairments Tolerant 100 Gbps Optical Backhaul Network for Long-Haul Transmission. <i>Entropy</i> , 2020 , 22,	2.8	3
120	Influence of Superheated Vapour in Organic Rankine Cycles with Working Fluid R123 Utilizing Low-Temperature Geothermal Resources. <i>Symmetry</i> , 2020 , 12, 1463	2.7	
119	Affordable and Faster Transradial Prosthetic Socket Production Using Photogrammetry and 3D Printing. <i>Electronics (Switzerland)</i> , 2020 , 9, 1456	2.6	3
118	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
117	Reversible data hiding exploiting Huffman encoding with dual images for IoMT based healthcare. <i>Computer Communications</i> , 2020 , 163, 134-149	5.1	21
116	Mechanical Pressure Characterization of CNT-Graphene Composite Material. <i>Micromachines</i> , 2020 , 11,	3.3	6

115	Towards Efficient Building Designing: Heating and Cooling Load Prediction via Multi-Output Model. <i>Sensors</i> , 2020 , 20,	3.8	15
114	DLNR-SIQA: Deep Learning-Based No-Reference Stitched Image Quality Assessment. <i>Sensors</i> , 2020 , 20,	3.8	3
113	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
112	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
111	Integration of Discrete Wavelet Transform, DBSCAN, and Classifiers for Efficient Content Based Image Retrieval. <i>Electronics (Switzerland)</i> , 2020 , 9, 1886	2.6	5
110	A Secure Communication in IoT Enabled Underwater and Wireless Sensor Network for Smart Cities. <i>Sensors</i> , 2020 , 20,	3.8	8
109	A Strategic and Significant Method for the Optimal Placement of Phasor Measurement Unit for Power System Network. <i>Symmetry</i> , 2020 , 12, 1174	2.7	3
108	Improved Analysis on the Fin Reliability of a Plate Fin Heat Exchanger for Usage in LNG Applications. <i>Energies</i> , 2020 , 13, 3624	3.1	3
107	Comparison of Machine Learning Classifiers for Accurate Prediction of Real-Time Stuck Pipe Incidents. <i>Energies</i> , 2020 , 13, 3683	3.1	7
106	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
105	One-Shot Learning for Surveillance Anomaly Recognition using Siamese 3D CNN 2020 ,		4
104	Event-Oriented 3D Convolutional Features Selection and Hash Codes Generation Using PCA for Video Retrieval. <i>IEEE Access</i> , 2020 , 8, 196529-196540	3.5	5
103	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
102	Fuzzy-Based Fault-Tolerant Control for Omnidirectional Mobile Robot. <i>Machines</i> , 2020 , 8, 55	2.9	18
101	Cost-effective broad learning-based ultrasound biomicroscopy with 3D reconstruction for ocular anterior segmentation. <i>Multimedia Tools and Applications</i> , 2020 , 1	2.5	3
100	Waste Management and Prediction of Air Pollutants Using IoT and Machine Learning Approach. <i>Energies</i> , 2020 , 13, 3930	3.1	17
99	. <i>IEEE Access</i> , 2020 , 8, 175194-175204	3.5	4
98	Nature Inspired MIMO Antenna System for Future mmWave Technologies. <i>Micromachines</i> , 2020 , 11,	3.3	12

97	Multistage Segmentation of Prostate Cancer Tissues Using Sample Entropy Texture Analysis. <i>Entropy</i> , 2020 , 22,	2.8	5
96	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
95	A privacy-preserving cryptosystem for IoT E-healthcare. <i>Information Sciences</i> , 2020 , 527, 493-510	7.7	86
94	Edge Intelligence-Assisted Smoke Detection in Foggy Surveillance Environments. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 1067-1075	11.9	49
93	Efficient CNN based summarization of surveillance videos for resource-constrained devices. <i>Pattern Recognition Letters</i> , 2020 , 130, 370-375	4.7	38
92	Cloud-Assisted Multiview Video Summarization Using CNN and Bidirectional LSTM. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 77-86	11.9	50
91	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
90	Secure data transmission framework for confidentiality in IoTs. <i>Ad Hoc Networks</i> , 2019 , 95, 101989	4.8	28
89	Joint Data Hiding and Compression Scheme Based on Modified BTC and Image Inpainting. <i>IEEE Access</i> , 2019 , 7, 116027-116037	3.5	7
88	Movie scene segmentation using object detection and set theory. <i>International Journal of Distributed Sensor Networks</i> , 2019 , 15, 155014771984527	1.7	11
87	Modeling of Fault Frequencies for Distributed Damages in Bearing Raceways. <i>Journal of Nondestructive Evaluation</i> , 2019 , 38, 1	2.1	8
86	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
85	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
84	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
83	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
82	Efficient Fire Detection for Uncertain Surveillance Environment. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 3113-3122	11.9	93
81	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
80	Robust Image Hashing Based Efficient Authentication for Smart Industrial Environment. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 6541-6550	11.9	20

79	Violence Detection Using Spatiotemporal Features with 3D Convolutional Neural Network. <i>Sensors</i> , 2019 , 19,	3.8	56
78	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
77	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
76	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
75	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
74	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
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