

Ghulam Muhammad

List of Publications by Year in descending order

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Version: 2024-02-01

271
papers

11,784
citations

18482

62
h-index

38395

95
g-index

272
all docs

272
docs citations

272
times ranked

7880
citing authors

#	ARTICLE	IF	CITATIONS
1	Cloud-assisted Industrial Internet of Things (IIoT) – Enabled framework for health monitoring. <i>Computer Networks</i> , 2016, 101, 192-202.	5.1	590
2	Deep Learning for EEG motor imagery classification based on multi-layer CNNs feature fusion. <i>Future Generation Computer Systems</i> , 2019, 101, 542-554.	7.5	310
3	Emotion recognition using deep learning approach from audio–visual emotional big data. <i>Information Fusion</i> , 2019, 49, 69-78.	19.1	299
4	IIoT big data analytics for smart homes with fog and cloud computing. <i>Future Generation Computer Systems</i> , 2019, 91, 563-573.	7.5	241
5	Explainable AI and Mass Surveillance System-Based Healthcare Framework to Combat COVID-19 Like Pandemics. <i>IEEE Network</i> , 2020, 34, 126-132.	6.9	237
6	Emotion-Aware Connected Healthcare Big Data Towards 5G. <i>IEEE Internet of Things Journal</i> , 2018, 5, 2399-2406.	8.7	209
7	Automatic Fruit Classification Using Deep Learning for Industrial Applications. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 1027-1034.	11.3	203
8	Smart Health Solution Integrating IIoT and Cloud: A Case Study of Voice Pathology Monitoring. , 2017, 55, 69-73.		190
9	Enforcing Position-Based Confidentiality With Machine Learning Paradigm Through Mobile Edge Computing in Real-Time Industrial Informatics. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 4189-4196.	11.3	187
10	Passive copy move image forgery detection using undecimated dyadic wavelet transform. <i>Digital Investigation</i> , 2012, 9, 49-57.	3.2	185
11	Applying Deep Learning for Epilepsy Seizure Detection and Brain Mapping Visualization. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2019, 15, 1-17.	4.3	179
12	Smart healthcare monitoring: a voice pathology detection paradigm for smart cities. <i>Multimedia Systems</i> , 2019, 25, 565-575.	4.7	165
13	Cervical cancer classification using convolutional neural networks and extreme learning machines. <i>Future Generation Computer Systems</i> , 2020, 102, 643-649.	7.5	156
14	Cognitive Smart Healthcare for Pathology Detection and Monitoring. <i>IEEE Access</i> , 2019, 7, 10745-10753.	4.2	155
15	Image forgery detection using steerable pyramid transform and local binary pattern. <i>Machine Vision and Applications</i> , 2014, 25, 985-995.	2.7	154
16	Multilevel Weighted Feature Fusion Using Convolutional Neural Networks for EEG Motor Imagery Classification. <i>IEEE Access</i> , 2019, 7, 18940-18950.	4.2	151
17	Secure and Provenance Enhanced Internet of Health Things Framework: A Blockchain Managed Federated Learning Approach. <i>IEEE Access</i> , 2020, 8, 205071-205087.	4.2	144
18	A Comprehensive Survey of the Internet of Things (IIoT) and AI-Based Smart Healthcare. <i>IEEE Access</i> , 2021, 9, 3660-3678.	4.2	142

#	ARTICLE	IF	CITATIONS
19	Cognitive IoT-Cloud Integration for Smart Healthcare: Case Study for Epileptic Seizure Detection and Monitoring. <i>Mobile Networks and Applications</i> , 2018, 23, 1624-1635.	3.3	129
20	Voice Pathology Detection Using Deep Learning on Mobile Healthcare Framework. <i>IEEE Access</i> , 2018, 6, 41034-41041.	4.2	125
21	A Lightweight and Robust Secure Key Establishment Protocol for Internet of Medical Things in COVID-19 Patients Care. <i>IEEE Internet of Things Journal</i> , 2021, 8, 15694-15703.	8.7	123
22	Deep learning techniques for classification of electroencephalogram (EEG) motor imagery (MI) signals: a review. <i>Neural Computing and Applications</i> , 2023, 35, 14681-14722.	5.6	123
23	Date Fruit Classification for Robotic Harvesting in a Natural Environment Using Deep Learning. <i>IEEE Access</i> , 2019, 7, 117115-117133.	4.2	120
24	A comprehensive survey on multimodal medical signals fusion for smart healthcare systems. <i>Information Fusion</i> , 2021, 76, 355-375.	19.1	119
25	Edge Intelligence in the Cognitive Internet of Things: Improving Sensitivity and Interactivity. <i>IEEE Network</i> , 2019, 33, 58-64.	6.9	117
26	Cloud-assisted secure video transmission and sharing framework for smart cities. <i>Future Generation Computer Systems</i> , 2018, 83, 596-606.	7.5	111
27	Medical Image Forgery Detection for Smart Healthcare. <i>IEEE Communications Magazine</i> , 2018, 56, 33-37.	6.1	108
28	Medical image-based detection of COVID-19 using Deep Convolution Neural Networks. <i>Multimedia Systems</i> , 2023, 29, 1729-1738.	4.7	106
29	Edge Computing with Cloud for Voice Disorder Assessment and Treatment. <i>IEEE Communications Magazine</i> , 2018, 56, 60-65.	6.1	105
30	A Facial-Expression Monitoring System for Improved Healthcare in Smart Cities. <i>IEEE Access</i> , 2017, 5, 10871-10881.	4.2	104
31	Voice Pathology Detection and Classification Using Auto-Correlation and Entropy Features in Different Frequency Regions. <i>IEEE Access</i> , 2018, 6, 6961-6974.	4.2	103
32	Urban Healthcare Big Data System Based on Crowdsourced and Cloud-Based Air Quality Indicators. <i>IEEE Communications Magazine</i> , 2018, 56, 14-20.	6.1	103
33	EEG-Based Pathology Detection for Home Health Monitoring. <i>IEEE Journal on Selected Areas in Communications</i> , 2021, 39, 603-610.	14.0	100
34	Cloud-Assisted Speech and Face Recognition Framework for Health Monitoring. <i>Mobile Networks and Applications</i> , 2015, 20, 391-399.	3.3	99
35	Lightweight and Anonymity-Preserving User Authentication Scheme for IoT-Based Healthcare. <i>IEEE Internet of Things Journal</i> , 2022, 9, 2649-2656.	8.7	98
36	Smart-Edge-CoCaCo: AI-Enabled Smart Edge with Joint Computation, Caching, and Communication in Heterogeneous IoT. <i>IEEE Network</i> , 2019, 33, 58-64.	6.9	95

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37	Passive detection of image forgery using DCT and local binary pattern. <i>Signal, Image and Video Processing</i> , 2017, 11, 81-88.	2.7	93
38	Blockchain-Enabled Distributed Security Framework for Next-Generation IoT: An Edge Cloud and Software-Defined Network-Integrated Approach. <i>IEEE Internet of Things Journal</i> , 2020, 7, 6143-6149.	8.7	92
39	Deep Learning-Based Approach for Sign Language Gesture Recognition With Efficient Hand Gesture Representation. <i>IEEE Access</i> , 2020, 8, 192527-192542.	4.2	91
40	Hand Gesture Recognition for Sign Language Using 3DCNN. <i>IEEE Access</i> , 2020, 8, 79491-79509.	4.2	90
41	Harnessing the power of big data analytics in the cloud to support learning analytics in mobile learning environment. <i>Computers in Human Behavior</i> , 2019, 92, 578-588.	8.5	86
42	An Investigation of Multidimensional Voice Program Parameters in Three Different Databases for Voice Pathology Detection and Classification. <i>Journal of Voice</i> , 2017, 31, 113.e9-113.e18.	1.5	83
43	Healthcare Big Data Voice Pathology Assessment Framework. <i>IEEE Access</i> , 2016, 4, 7806-7815.	4.2	81
44	Defect Study and Modelling of SnX3-Based Perovskite Solar Cells with SCAPS-1D. <i>Nanomaterials</i> , 2021, 11, 1218.	4.1	81
45	Pathological voice detection and binary classification using MPEG-7 audio features. <i>Biomedical Signal Processing and Control</i> , 2014, 11, 1-9.	5.7	79
46	Sensor-Based Human Activity Recognition with Spatio-Temporal Deep Learning. <i>Sensors</i> , 2021, 21, 2141.	3.8	79
47	Voice pathology detection using interlaced derivative pattern on glottal source excitation. <i>Biomedical Signal Processing and Control</i> , 2017, 31, 156-164.	5.7	78
48	COVID-19 and Non-COVID-19 Classification using Multi-layers Fusion From Lung Ultrasound Images. <i>Information Fusion</i> , 2021, 72, 80-88.	19.1	78
49	The impact of m-learning technology on students and educators. <i>Computers in Human Behavior</i> , 2014, 30, 491-496.	8.5	76
50	Toward end-to-end biometrics-based security for IoT infrastructure. <i>IEEE Wireless Communications</i> , 2016, 23, 44-51.	9.0	76
51	An Emotion Recognition System for Mobile Applications. <i>IEEE Access</i> , 2017, 5, 2281-2287.	4.2	76
52	Date fruits classification using texture descriptors and shape-size features. <i>Engineering Applications of Artificial Intelligence</i> , 2015, 37, 361-367.	8.1	75
53	Emotion recognition using secure edge and cloud computing. <i>Information Sciences</i> , 2019, 504, 589-601.	6.9	74
54	Big Data-Driven Service Composition Using Parallel Clustered Particle Swarm Optimization in Mobile Environment. <i>IEEE Transactions on Services Computing</i> , 2016, 9, 806-817.	4.6	73

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55	Audio-Visual Emotion Recognition Using Big Data Towards 5G. <i>Mobile Networks and Applications</i> , 2016, 21, 753-763.	3.3	73
56	Investigation of Voice Pathology Detection and Classification on Different Frequency Regions Using Correlation Functions. <i>Journal of Voice</i> , 2017, 31, 3-15.	1.5	73
57	Electroencephalography-based motor imagery classification using temporal convolutional network fusion. <i>Biomedical Signal Processing and Control</i> , 2021, 69, 102826.	5.7	73
58	Audio-Visual Emotion-Aware Cloud Gaming Framework. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2015, 25, 2105-2118.	8.3	70
59	Telesurgery Robot Based on 5G Tactile Internet. <i>Mobile Networks and Applications</i> , 2018, 23, 1645-1654.	3.3	70
60	Attention-based sentiment analysis using convolutional and recurrent neural network. <i>Future Generation Computer Systems</i> , 2020, 113, 571-578.	7.5	70
61	An Automatic Health Monitoring System for Patients Suffering From Voice Complications in Smart Cities. <i>IEEE Access</i> , 2017, 5, 3900-3908.	4.2	69
62	An intelligent healthcare system for detection and classification to discriminate vocal fold disorders. <i>Future Generation Computer Systems</i> , 2018, 85, 19-28.	7.5	69
63	Automatic speech recognition using interlaced derivative pattern for cloud based healthcare system. <i>Cluster Computing</i> , 2015, 18, 795-802.	5.0	68
64	Heterogeneous Space and Terrestrial Integrated Networks for IoT: Architecture and Challenges. <i>IEEE Network</i> , 2019, 33, 15-21.	6.9	68
65	Framework for Efficient Medical Image Encryption Using Dynamic S-Boxes and Chaotic Maps. <i>IEEE Access</i> , 2020, 8, 160433-160449.	4.2	65
66	Computing and Processing on the Edge: Smart Pathology Detection for Connected Healthcare. <i>IEEE Network</i> , 2019, 33, 44-49.	6.9	64
67	Audio-visual emotion recognition using multi-directional regression and Ridgelet transform. <i>Journal on Multimodal User Interfaces</i> , 2016, 10, 325-333.	2.9	62
68	EEG Pathology Detection Based on Deep Learning. <i>IEEE Access</i> , 2019, 7, 27781-27788.	4.2	62
69	Development of the Arabic Voice Pathology Database and Its Evaluation by Using Speech Features and Machine Learning Algorithms. <i>Journal of Healthcare Engineering</i> , 2017, 2017, 1-13.	1.9	61
70	Discriminative Feature Learning for Skin Disease Classification Using Deep Convolutional Neural Network. <i>IEEE Access</i> , 2020, 8, 39025-39033.	4.2	61
71	Cyber-physical cloud-oriented multi-sensory smart home framework for elderly people: An energy efficiency perspective. <i>Journal of Parallel and Distributed Computing</i> , 2017, 103, 11-21.	4.1	60
72	Multidirectional Regression (MDR)-Based Features for Automatic Voice Disorder Detection. <i>Journal of Voice</i> , 2012, 26, 817.e19-817.e27.	1.5	59

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73	Iris Recognition Using Multi-Algorithmic Approaches for Cognitive Internet of things (CIoT) Framework. <i>Future Generation Computer Systems</i> , 2018, 89, 178-191.	7.5	58
74	An Audio-Visual Emotion Recognition System Using Deep Learning Fusion for a Cognitive Wireless Framework. <i>IEEE Wireless Communications</i> , 2019, 26, 62-68.	9.0	58
75	Green Synthesis and Characterization of CuO Nanoparticles Derived from Papaya Peel Extract for the Photocatalytic Degradation of Palm Oil Mill Effluent (POME). <i>Sustainability</i> , 2021, 13, 796.	3.2	58
76	Leveraging Deep Learning Techniques for Malaria Parasite Detection Using Mobile Application. <i>Wireless Communications and Mobile Computing</i> , 2020, 2020, 1-15.	1.2	55
77	Edge-centric multimodal authentication system using encrypted biometric templates. <i>Future Generation Computer Systems</i> , 2018, 85, 76-87.	7.5	54
78	Improving consumer satisfaction in smart cities using edge computing and caching: A case study of date fruits classification. <i>Future Generation Computer Systems</i> , 2018, 88, 333-341.	7.5	54
79	Accurate and robust localization of duplicated region in copy-move image forgery. <i>Machine Vision and Applications</i> , 2014, 25, 451-475.	2.7	52
80	Cloud-Based Collaborative Media Service Framework for HealthCare. <i>International Journal of Distributed Sensor Networks</i> , 2014, 10, 858712.	2.2	52
81	Deep Learning Based Pathology Detection for Smart Connected Healthcare. <i>IEEE Network</i> , 2020, 34, 120-125.	6.9	51
82	Fog Intelligence for Real-Time IoT Sensor Data Analytics. <i>IEEE Access</i> , 2017, 5, 24062-24069.	4.2	48
83	Deep learning-based intelligent face recognition in IoT-cloud environment. <i>Computer Communications</i> , 2020, 152, 215-222.	5.1	47
84	Splicing image forgery detection based on DCT and Local Binary Pattern. , 2013, , .		46
85	Semantic Multimedia Fog Computing and IoT Environment: Sustainability Perspective. , 2018, 56, 80-87.		46
86	Biometric Security Through Visual Encryption for Fog Edge Computing. <i>IEEE Access</i> , 2017, 5, 5531-5538.	4.2	45
87	Enhanced engineering education using smart class environment. <i>Computers in Human Behavior</i> , 2015, 51, 852-856.	8.5	44
88	Automatic speech recognition for Bangla digits. , 2009, , .		43
89	Detection of Voice Pathology using Fractal Dimension in a Multiresolution Analysis of Normal and Disordered Speech Signals. <i>Journal of Medical Systems</i> , 2016, 40, 20.	3.6	42
90	Word-of-Mouth Understanding: Entity-Centric Multimodal Aspect-Opinion Mining in Social Media. <i>IEEE Transactions on Multimedia</i> , 2015, 17, 2281-2296.	7.2	41

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91	Automatic Voice Pathology Detection With Running Speech by Using Estimation of Auditory Spectrum and Cepstral Coefficients Based on the All-Pole Model. <i>Journal of Voice</i> , 2016, 30, 757.e7-757.e19.	1.5	41
92	Emotion Recognition for Cognitive Edge Computing Using Deep Learning. <i>IEEE Internet of Things Journal</i> , 2021, 8, 16894-16901.	8.7	41
93	Formant analysis in dysphonic patients and automatic Arabic digit speech recognition. <i>BioMedical Engineering OnLine</i> , 2011, 10, 41.	2.7	40
94	Automatic voice pathology detection and classification using vocal tract area irregularity. <i>BioCybernetics and Biomedical Engineering</i> , 2016, 36, 309-317.	5.9	40
95	New Zero-Watermarking Algorithm Using Hurst Exponent for Protection of Privacy in Telemedicine. <i>IEEE Access</i> , 2018, 6, 7930-7940.	4.2	38
96	Evaluation of Image Forgery Detection Using Multi-Scale Weber Local Descriptors. <i>International Journal on Artificial Intelligence Tools</i> , 2015, 24, 1540016.	1.0	36
97	Self-attention based recurrent convolutional neural network for disease prediction using healthcare data. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 190, 105191.	4.7	36
98	Attention-Inception and Long- Short-Term Memory-Based Electroencephalography Classification for Motor Imagery Tasks in Rehabilitation. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 5412-5421.	11.3	36
99	Automatic Voice Pathology Monitoring Using Parallel Deep Models for Smart Healthcare. <i>IEEE Access</i> , 2019, 7, 46474-46479.	4.2	35
100	Date fruit dataset for intelligent harvesting. <i>Data in Brief</i> , 2019, 26, 104514.	1.0	34
101	Double Auction Mechanisms For Dynamic Autonomous Electric Vehicles Energy Trading. <i>IEEE Transactions on Vehicular Technology</i> , 2019, 68, 7466-7476.	6.3	34
102	Enhanced Living by Assessing Voice Pathology Using a Co-Occurrence Matrix. <i>Sensors</i> , 2017, 17, 267.	3.8	33
103	A Multi-Branch Convolutional Neural Network with Squeeze-and-Excitation Attention Blocks for EEG-Based Motor Imagery Signals Classification. <i>Diagnostics</i> , 2022, 12, 995.	2.6	33
104	Environment Classification for Urban Big Data Using Deep Learning. <i>IEEE Communications Magazine</i> , 2018, 56, 44-50.	6.1	32
105	LACCVoV: Linear Adaptive Congestion Control With Optimization of Data Dissemination Model in Vehicle-to-Vehicle Communication. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 5319-5328.	8.0	32
106	AI-Powered Green Cloud and Data Center. <i>IEEE Access</i> , 2019, 7, 4195-4203.	4.2	29
107	A knowledge-driven approach for activity recognition in smart homes based on activity profiling. <i>Future Generation Computer Systems</i> , 2020, 107, 924-941.	7.5	29
108	Tree-Based Deep Networks for Edge Devices. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 2022-2028.	11.3	29

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109	Convergence of Artificial Intelligence and Internet of Things in Smart Healthcare: A Case Study of Voice Pathology Detection. <i>IEEE Access</i> , 2021, 9, 89198-89209.	4.2	29
110	Environment Recognition Using Selected MPEG-7 Audio Features and Mel-Frequency Cepstral Coefficients. , 2010, , .		28
111	Hand Gesture Recognition Using 3D-CNN Model. <i>IEEE Consumer Electronics Magazine</i> , 2020, 9, 95-101.	2.3	28
112	Diluted chemical bath deposition of CdZnS as prospective buffer layer in CIGS solar cell. <i>Ceramics International</i> , 2021, 47, 11003-11009.	4.8	28
113	Smart Homes: How Much Will They Support Us? A Research on Recent Trends and Advances. <i>IEEE Access</i> , 2021, 9, 26388-26419.	4.2	28
114	Green Cognitive Body Sensor Network: Architecture, Energy Harvesting, and Smart Clothing-Based Applications. <i>IEEE Sensors Journal</i> , 2019, 19, 8371-8378.	4.7	27
115	Pre-Trained Convolutional Neural Networks for Breast Cancer Detection Using Ultrasound Images. <i>ACM Transactions on Internet Technology</i> , 2021, 21, 1-17.	4.4	27
116	Stacked Autoencoder-Based Intrusion Detection System to Combat Financial Fraudulent. <i>IEEE Internet of Things Journal</i> , 2023, 10, 2071-2078.	8.7	27
117	Blind copy move image forgery detection using dyadic undecimated wavelet transform. , 2011, , .		26
118	Vocal fold disorder detection based on continuous speech by using MFCC and GMM. , 2013, , .		26
119	A Deep-Tree-Model-Based Radio Resource Distribution for 5G Networks. <i>IEEE Wireless Communications</i> , 2020, 27, 62-67.	9.0	26
120	Copy-Move Forgery Detection Using Dyadic Wavelet Transform. , 2011, , .		25
121	RACE CLASSIFICATION FROM FACE IMAGES USING LOCAL DESCRIPTORS. <i>International Journal on Artificial Intelligence Tools</i> , 2012, 21, 1250019.	1.0	25
122	Intra- and Inter-database Study for Arabic, English, and German Databases: Do Conventional Speech Features Detect Voice Pathology?. <i>Journal of Voice</i> , 2017, 31, 386.e1-386.e8.	1.5	25
123	User emotion recognition from a larger pool of social network data using active learning. <i>Multimedia Tools and Applications</i> , 2017, 76, 10881-10892.	3.9	25
124	Automatic Seizure Detection in a Mobile Multimedia Framework. <i>IEEE Access</i> , 2018, 6, 45372-45383.	4.2	25
125	Efficient Flow Processing in 5G-Envisioned SDN-Based Internet of Vehicles Using GPUs. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 5283-5292.	8.0	25
126	A Multibranch of Convolutional Neural Network Models for Electroencephalogram-Based Motor Imagery Classification. <i>Biosensors</i> , 2022, 12, 22.	4.7	25

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127	Tuberculosis detection in chest radiograph using convolutional neural network architecture and explainable artificial intelligence. <i>Neural Computing and Applications</i> , 2024, 36, 111-131.	5.6	25
128	Proactive Cache-Based Location Privacy Preserving for Vehicle Networks. <i>IEEE Wireless Communications</i> , 2018, 25, 77-83.	9.0	24
129	Digital Audio Forensics: Microphone and Environment Classification Using Deep Learning. <i>IEEE Access</i> , 2021, 9, 62719-62733.	4.2	24
130	A Deep-Learning-Based Edge-Centric COVID-19-Like Pandemic Screening and Diagnosis System within a B5G Framework Using Blockchain. <i>IEEE Network</i> , 2021, 35, 74-81.	6.9	24
131	Image forgery detection using multi-resolution Weber local descriptors. , 2013, , .		22
132	Speaker recognition based on Arabic phonemes. <i>Speech Communication</i> , 2017, 86, 42-51.	2.8	21
133	Intelligent real-time Arabic sign language classification using attention-based inception and BiLSTM. <i>Computers and Electrical Engineering</i> , 2021, 95, 107395.	4.8	21
134	STCAPLRS. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2016, 7, 1-30.	4.5	20
135	Privacy-preserving based task allocation with mobile edge clouds. <i>Information Sciences</i> , 2020, 507, 288-297.	6.9	20
136	Comparison between WLD and LBP descriptors for non-intrusive image forgery detection. , 2014, , .		19
137	Pandemic Management for Diseases Similar to COVID-19 Using Deep Learning and 5G Communications. <i>IEEE Network</i> , 2021, 35, 21-26.	6.9	19
138	Automatic voice disorder classification using vowel formants. , 2011, , .		18
139	Copy move image forgery detection method using steerable pyramid transform and texture descriptor. , 2013, , .		18
140	Multi-CNN Feature Fusion for Efficient EEG Classification. , 2020, , .		18
141	eDiaPredict: An Ensemble-based Framework for Diabetes Prediction. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2021, 17, 1-26.	4.3	18
142	Feature Selection Based Verification/Identification System Using Fingerprints and Palm Print. <i>Arabian Journal for Science and Engineering</i> , 2013, 38, 849-857.	1.1	17
143	Reliable service delivery in Tele-health care systems. <i>Journal of Network and Computer Applications</i> , 2018, 115, 86-93.	9.1	17
144	Environment Recognition for Digital Audio Forensics Using MPEG-7 and MEL Cepstral Features. <i>Journal of Electrical Engineering</i> , 2011, 62, 199-205.	0.7	16

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145	Curvelet Transform and Local Texture Based Image Forgery Detection. Lecture Notes in Computer Science, 2013, , 503-512.	1.3	16
146	Voice pathology detection based on the modified voice contour and SVM. Biologically Inspired Cognitive Architectures, 2016, 15, 10-18.	0.9	16
147	Cloudlet-Based Intelligent Auctioning Agents for Truthful Autonomous Electric Vehicles Energy Crowdsourcing. IEEE Transactions on Vehicular Technology, 2020, 69, 5457-5466.	6.3	16
148	Attention based Inception model for robust EEG motor imagery classification. , 2021, , .		16
149	Transfer reinforcement learning-based road object detection in next generation IoT domain. Computer Networks, 2021, 193, 108078.	5.1	16
150	Noise Robust Pitch Detection Based on Extended AMDF. , 2008, , .		15
151	Study on pharyngeal and uvular consonants in foreign accented Arabic for ASR. Computer Speech and Language, 2010, 24, 219-231.	4.3	15
152	Automatic Arabic digit speech recognition and formant analysis for voicing disordered people. , 2011, , .		15
153	Automatic Speaker Recognition Using Multi-Directional Local Features (MDLF). Arabian Journal for Science and Engineering, 2014, 39, 3799-3811.	1.1	15
154	Light Deep Model for Pulmonary Nodule Detection from CT Scan Images for Mobile Devices. Wireless Communications and Mobile Computing, 2020, 2020, 1-8.	1.2	15
155	Tailoring of the Structural and Optoelectronic Properties of Zinc-Tin-Oxide Thin Films via Oxygenation Process for Solar Cell Application. IEEE Access, 2020, 8, 193560-193568.	4.2	15
156	Blockchain for Secure-GaS: Blockchain-Powered Secure Natural Gas IoT System With AI-Enabled Gas Prediction and Transaction in Smart City. IEEE Internet of Things Journal, 2021, 8, 6305-6312.	8.7	15
157	Gender Recognition Using Fusion of Local and Global Facial Features. Lecture Notes in Computer Science, 2013, , 493-502.	1.3	15
158	Mass detection in digital mammograms using gabor filter bank. , 2012, , .		14
159	Copy-Move Image Forgery Detection Using Local Binary Pattern and Neighborhood Clustering. , 2013, , .		14
160	Security, Trust, and Privacy for the Internet of Vehicles: A Deep Learning Approach. IEEE Consumer Electronics Magazine, 2022, 11, 49-55.	2.3	14
161	Evaluation of Image Forgery Detection Using Multi-scale Weber Local Descriptors. Lecture Notes in Computer Science, 2013, , 416-424.	1.3	14
162	Environment Recognition from Audio Using MPEG-7 Features. , 2009, , .		13

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163	Spectro-temporal directional derivative based automatic speech recognition for a serious game scenario. <i>Multimedia Tools and Applications</i> , 2015, 74, 5313-5327.	3.9	13
164	Collaborative analysis model for trending images on social networks. <i>Future Generation Computer Systems</i> , 2018, 86, 855-862.	7.5	13
165	Transferring activity recognition models in FOG computing architecture. <i>Journal of Parallel and Distributed Computing</i> , 2018, 122, 122-130.	4.1	13
166	Towards energy-aware cloud-oriented cyber-physical therapy system. <i>Future Generation Computer Systems</i> , 2020, 105, 800-813.	7.5	13
167	Joint power and time allocation in energy harvesting of UAV operating system. <i>Computer Communications</i> , 2020, 150, 811-817.	5.1	13
168	Follow me Robot-Mind: Cloud brain based personalized robot service with migration. <i>Future Generation Computer Systems</i> , 2020, 107, 324-332.	7.5	13
169	Automatic Date Fruit Classification by Using Local Texture Descriptors and Shape-Size Features. , 2014, , .		12
170	Deep convolutional tree networks. <i>Future Generation Computer Systems</i> , 2019, 101, 152-168.	7.5	12
171	A Trusted Social Network Using Hypothetical Mathematical Model and Decision- Based Scheme. <i>IEEE Access</i> , 2021, 9, 4223-4232.	4.2	12
172	Intelligent Tracking of Mechanically Thrown Objects by Industrial Catching Robot for Automated In-Plant Logistics 4.0. <i>Sensors</i> , 2022, 22, 2113.	3.8	12
173	Multi-sensor human activity recognition using CNN and GRU. <i>International Journal of Multimedia Information Retrieval</i> , 2022, 11, 135-147.	5.2	12
174	Copy-Move Image Forgery Detection Using Multi-Resolution Weber Descriptors. , 2012, , .		11
175	Improving the detection and localization of duplicated regions in copy-move image forgery. , 2013, , .		11
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