

# Ghulam Muhammad

## List of Publications by Year in descending order

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Version: 2024-02-01

271  
papers

11,784  
citations

18436

62  
h-index

38300

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.	3.2	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.	4.9	310
3	Emotion recognition using deep learning approach from audio–visual emotional big data. <i>Information Fusion</i> , 2019, 49, 69-78.	11.7	299
4	IIoT big data analytics for smart homes with fog and cloud computing. <i>Future Generation Computer Systems</i> , 2019, 91, 563-573.	4.9	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.	4.9	237
6	Emotion-Aware Connected Healthcare Big Data Towards 5G. <i>IEEE Internet of Things Journal</i> , 2018, 5, 2399-2406.	5.5	209
7	Automatic Fruit Classification Using Deep Learning for Industrial Applications. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 1027-1034.	7.2	203
8	Smart Health Solution Integrating IoT 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.	7.2	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.	3.0	179
12	Smart healthcare monitoring: a voice pathology detection paradigm for smart cities. <i>Multimedia Systems</i> , 2019, 25, 565-575.	3.0	165
13	Cervical cancer classification using convolutional neural networks and extreme learning machines. <i>Future Generation Computer Systems</i> , 2020, 102, 643-649.	4.9	156
14	Cognitive Smart Healthcare for Pathology Detection and Monitoring. <i>IEEE Access</i> , 2019, 7, 10745-10753.	2.6	155
15	Image forgery detection using steerable pyramid transform and local binary pattern. <i>Machine Vision and Applications</i> , 2014, 25, 985-995.	1.7	154
16	Multilevel Weighted Feature Fusion Using Convolutional Neural Networks for EEG Motor Imagery Classification. <i>IEEE Access</i> , 2019, 7, 18940-18950.	2.6	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.	2.6	144
18	A Comprehensive Survey of the Internet of Things (IoT) and AI-Based Smart Healthcare. <i>IEEE Access</i> , 2021, 9, 3660-3678.	2.6	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.	2.2	129
20	Voice Pathology Detection Using Deep Learning on Mobile Healthcare Framework. <i>IEEE Access</i> , 2018, 6, 41034-41041.	2.6	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.	5.5	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.	3.2	123
23	Date Fruit Classification for Robotic Harvesting in a Natural Environment Using Deep Learning. <i>IEEE Access</i> , 2019, 7, 117115-117133.	2.6	120
24	A comprehensive survey on multimodal medical signals fusion for smart healthcare systems. <i>Information Fusion</i> , 2021, 76, 355-375.	11.7	119
25	Edge Intelligence in the Cognitive Internet of Things: Improving Sensitivity and Interactivity. <i>IEEE Network</i> , 2019, 33, 58-64.	4.9	117
26	Cloud-assisted secure video transmission and sharing framework for smart cities. <i>Future Generation Computer Systems</i> , 2018, 83, 596-606.	4.9	111
27	Medical Image Forgery Detection for Smart Healthcare. <i>IEEE Communications Magazine</i> , 2018, 56, 33-37.	4.9	108
28	Medical image-based detection of COVID-19 using Deep Convolution Neural Networks. <i>Multimedia Systems</i> , 2023, 29, 1729-1738.	3.0	106
29	Edge Computing with Cloud for Voice Disorder Assessment and Treatment. <i>IEEE Communications Magazine</i> , 2018, 56, 60-65.	4.9	105
30	A Facial-Expression Monitoring System for Improved Healthcare in Smart Cities. <i>IEEE Access</i> , 2017, 5, 10871-10881.	2.6	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.	2.6	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.	4.9	103
33	EEG-Based Pathology Detection for Home Health Monitoring. <i>IEEE Journal on Selected Areas in Communications</i> , 2021, 39, 603-610.	9.7	100
34	Cloud-Assisted Speech and Face Recognition Framework for Health Monitoring. <i>Mobile Networks and Applications</i> , 2015, 20, 391-399.	2.2	99
35	Lightweight and Anonymity-Preserving User Authentication Scheme for IoT-Based Healthcare. <i>IEEE Internet of Things Journal</i> , 2022, 9, 2649-2656.	5.5	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.	4.9	95

#	ARTICLE	IF	CITATIONS
37	Passive detection of image forgery using DCT and local binary pattern. <i>Signal, Image and Video Processing</i> , 2017, 11, 81-88.	1.7	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.	5.5	92
39	Deep Learning-Based Approach for Sign Language Gesture Recognition With Efficient Hand Gesture Representation. <i>IEEE Access</i> , 2020, 8, 192527-192542.	2.6	91
40	Hand Gesture Recognition for Sign Language Using 3DCNN. <i>IEEE Access</i> , 2020, 8, 79491-79509.	2.6	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.	5.1	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.	0.6	83
43	Healthcare Big Data Voice Pathology Assessment Framework. <i>IEEE Access</i> , 2016, 4, 7806-7815.	2.6	81
44	Defect Study and Modelling of SnX3-Based Perovskite Solar Cells with SCAPS-1D. <i>Nanomaterials</i> , 2021, 11, 1218.	1.9	81
45	Pathological voice detection and binary classification using MPEG-7 audio features. <i>Biomedical Signal Processing and Control</i> , 2014, 11, 1-9.	3.5	79
46	Sensor-Based Human Activity Recognition with Spatio-Temporal Deep Learning. <i>Sensors</i> , 2021, 21, 2141.	2.1	79
47	Voice pathology detection using interlaced derivative pattern on glottal source excitation. <i>Biomedical Signal Processing and Control</i> , 2017, 31, 156-164.	3.5	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.	11.7	78
49	The impact of m-learning technology on students and educators. <i>Computers in Human Behavior</i> , 2014, 30, 491-496.	5.1	76
50	Toward end-to-end biometric-based security for IoT infrastructure. <i>IEEE Wireless Communications</i> , 2016, 23, 44-51.	6.6	76
51	An Emotion Recognition System for Mobile Applications. <i>IEEE Access</i> , 2017, 5, 2281-2287.	2.6	76
52	Date fruits classification using texture descriptors and shape-size features. <i>Engineering Applications of Artificial Intelligence</i> , 2015, 37, 361-367.	4.3	75
53	Emotion recognition using secure edge and cloud computing. <i>Information Sciences</i> , 2019, 504, 589-601.	4.0	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.	3.2	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.	2.2	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.	0.6	73
57	Electroencephalography-based motor imagery classification using temporal convolutional network fusion. <i>Biomedical Signal Processing and Control</i> , 2021, 69, 102826.	3.5	73
58	Audio-Visual Emotion-Aware Cloud Gaming Framework. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2015, 25, 2105-2118.	5.6	70
59	Telesurgery Robot Based on 5G Tactile Internet. <i>Mobile Networks and Applications</i> , 2018, 23, 1645-1654.	2.2	70
60	Attention-based sentiment analysis using convolutional and recurrent neural network. <i>Future Generation Computer Systems</i> , 2020, 113, 571-578.	4.9	70
61	An Automatic Health Monitoring System for Patients Suffering From Voice Complications in Smart Cities. <i>IEEE Access</i> , 2017, 5, 3900-3908.	2.6	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.	4.9	69
63	Automatic speech recognition using interlaced derivative pattern for cloud based healthcare system. <i>Cluster Computing</i> , 2015, 18, 795-802.	3.5	68
64	Heterogeneous Space and Terrestrial Integrated Networks for IoT: Architecture and Challenges. <i>IEEE Network</i> , 2019, 33, 15-21.	4.9	68
65	Framework for Efficient Medical Image Encryption Using Dynamic S-Boxes and Chaotic Maps. <i>IEEE Access</i> , 2020, 8, 160433-160449.	2.6	65
66	Computing and Processing on the Edge: Smart Pathology Detection for Connected Healthcare. <i>IEEE Network</i> , 2019, 33, 44-49.	4.9	64
67	Audio-visual emotion recognition using multi-directional regression and Ridgelet transform. <i>Journal on Multimodal User Interfaces</i> , 2016, 10, 325-333.	2.0	62
68	EEG Pathology Detection Based on Deep Learning. <i>IEEE Access</i> , 2019, 7, 27781-27788.	2.6	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.	1.1	61
70	Discriminative Feature Learning for Skin Disease Classification Using Deep Convolutional Neural Network. <i>IEEE Access</i> , 2020, 8, 39025-39033.	2.6	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.	2.7	60
72	Multidirectional Regression (MDR)-Based Features for Automatic Voice Disorder Detection. <i>Journal of Voice</i> , 2012, 26, 817.e19-817.e27.	0.6	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.	4.9	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.	6.6	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.	1.6	58
76	Leveraging Deep Learning Techniques for Malaria Parasite Detection Using Mobile Application. <i>Wireless Communications and Mobile Computing</i> , 2020, 2020, 1-15.	0.8	55
77	Edge-centric multimodal authentication system using encrypted biometric templates. <i>Future Generation Computer Systems</i> , 2018, 85, 76-87.	4.9	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.	4.9	54
79	Accurate and robust localization of duplicated region in copy-move image forgery. <i>Machine Vision and Applications</i> , 2014, 25, 451-475.	1.7	52
80	Cloud-Based Collaborative Media Service Framework for HealthCare. <i>International Journal of Distributed Sensor Networks</i> , 2014, 10, 858712.	1.3	52
81	Deep Learning Based Pathology Detection for Smart Connected Healthcare. <i>IEEE Network</i> , 2020, 34, 120-125.	4.9	51
82	Fog Intelligence for Real-Time IoT Sensor Data Analytics. <i>IEEE Access</i> , 2017, 5, 24062-24069.	2.6	48
83	Deep learning-based intelligent face recognition in IoT-cloud environment. <i>Computer Communications</i> , 2020, 152, 215-222.	3.1	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.	2.6	45
87	Enhanced engineering education using smart class environment. <i>Computers in Human Behavior</i> , 2015, 51, 852-856.	5.1	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.	2.2	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.	5.2	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. Journal of Voice, 2016, 30, 757.e7-757.e19.	0.6	41
92	Emotion Recognition for Cognitive Edge Computing Using Deep Learning. IEEE Internet of Things Journal, 2021, 8, 16894-16901.	5.5	41
93	Formant analysis in dysphonic patients and automatic Arabic digit speech recognition. BioMedical Engineering OnLine, 2011, 10, 41.	1.3	40
94	Automatic voice pathology detection and classification using vocal tract area irregularity. Biocybernetics and Biomedical Engineering, 2016, 36, 309-317.	3.3	40
95	New Zero-Watermarking Algorithm Using Hurst Exponent for Protection of Privacy in Telemedicine. IEEE Access, 2018, 6, 7930-7940.	2.6	38
96	Evaluation of Image Forgery Detection Using Multi-Scale Weber Local Descriptors. International Journal on Artificial Intelligence Tools, 2015, 24, 1540016.	0.7	36
97	Self-attention based recurrent convolutional neural network for disease prediction using healthcare data. Computer Methods and Programs in Biomedicine, 2020, 190, 105191.	2.6	36
98	Attention-Inception and Long- Short-Term Memory-Based Electroencephalography Classification for Motor Imagery Tasks in Rehabilitation. IEEE Transactions on Industrial Informatics, 2022, 18, 5412-5421.	7.2	36
99	Automatic Voice Pathology Monitoring Using Parallel Deep Models for Smart Healthcare. IEEE Access, 2019, 7, 46474-46479.	2.6	35
100	Date fruit dataset for intelligent harvesting. Data in Brief, 2019, 26, 104514.	0.5	34
101	Double Auction Mechanisms For Dynamic Autonomous Electric Vehicles Energy Trading. IEEE Transactions on Vehicular Technology, 2019, 68, 7466-7476.	3.9	34
102	Enhanced Living by Assessing Voice Pathology Using a Co-Occurrence Matrix. Sensors, 2017, 17, 267.	2.1	33
103	A Multi-Branch Convolutional Neural Network with Squeeze-and-Excitation Attention Blocks for EEG-Based Motor Imagery Signals Classification. Diagnostics, 2022, 12, 995.	1.3	33
104	Environment Classification for Urban Big Data Using Deep Learning. IEEE Communications Magazine, 2018, 56, 44-50.	4.9	32
105	LACCVoV: Linear Adaptive Congestion Control With Optimization of Data Dissemination Model in Vehicle-to-Vehicle Communication. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5319-5328.	4.7	32
106	AI-Powered Green Cloud and Data Center. IEEE Access, 2019, 7, 4195-4203.	2.6	29
107	A knowledge-driven approach for activity recognition in smart homes based on activity profiling. Future Generation Computer Systems, 2020, 107, 924-941.	4.9	29
108	Tree-Based Deep Networks for Edge Devices. IEEE Transactions on Industrial Informatics, 2020, 16, 2022-2028.	7.2	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.	2.6	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.	2.3	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.	2.6	28
114	Green Cognitive Body Sensor Network: Architecture, Energy Harvesting, and Smart Clothing-Based Applications. <i>IEEE Sensors Journal</i> , 2019, 19, 8371-8378.	2.4	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.	3.0	27
116	Stacked Autoencoder-Based Intrusion Detection System to Combat Financial Fraudulent. <i>IEEE Internet of Things Journal</i> , 2023, 10, 2071-2078.	5.5	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.	6.6	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.	0.7	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.	0.6	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.	2.6	25
124	Automatic Seizure Detection in a Mobile Multimedia Framework. <i>IEEE Access</i> , 2018, 6, 45372-45383.	2.6	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.	4.7	25
126	A Multibranch of Convolutional Neural Network Models for Electroencephalogram-Based Motor Imagery Classification. <i>Biosensors</i> , 2022, 12, 22.	2.3	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.	3.2	25
128	Proactive Cache-Based Location Privacy Preserving for Vehicle Networks. <i>IEEE Wireless Communications</i> , 2018, 25, 77-83.	6.6	24
129	Digital Audio Forensics: Microphone and Environment Classification Using Deep Learning. <i>IEEE Access</i> , 2021, 9, 62719-62733.	2.6	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.	4.9	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.	1.6	21
133	Intelligent real-time Arabic sign language classification using attention-based inception and BiLSTM. <i>Computers and Electrical Engineering</i> , 2021, 95, 107395.	3.0	21
134	STCAPLRS. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2016, 7, 1-30.	2.9	20
135	Privacy-preserving based task allocation with mobile edge clouds. <i>Information Sciences</i> , 2020, 507, 288-297.	4.0	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.	4.9	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.	3.0	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.	5.8	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.	0.4	16

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145	Curvelet Transform and Local Texture Based Image Forgery Detection. Lecture Notes in Computer Science, 2013, , 503-512.	1.0	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.	3.9	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.	3.2	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.	2.9	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.	0.8	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.	2.6	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.	5.5	15
157	Gender Recognition Using Fusion of Local and Global Facial Features. Lecture Notes in Computer Science, 2013, , 493-502.	1.0	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.	1.0	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.	2.6	13
164	Collaborative analysis model for trending images on social networks. <i>Future Generation Computer Systems</i> , 2018, 86, 855-862.	4.9	13
165	Transferring activity recognition models in FOG computing architecture. <i>Journal of Parallel and Distributed Computing</i> , 2018, 122, 122-130.	2.7	13
166	Towards energy-aware cloud-oriented cyber-physical therapy system. <i>Future Generation Computer Systems</i> , 2020, 105, 800-813.	4.9	13
167	Joint power and time allocation in energy harvesting of UAV operating system. <i>Computer Communications</i> , 2020, 150, 811-817.	3.1	13
168	Follow me Robot-Mind: Cloud brain based personalized robot service with migration. <i>Future Generation Computer Systems</i> , 2020, 107, 324-332.	4.9	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.	4.9	12
171	A Trusted Social Network Using Hypothetical Mathematical Model and Decision- Based Scheme. <i>IEEE Access</i> , 2021, 9, 4223-4232.	2.6	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.	2.1	12
173	Multi-sensor human activity recognition using CNN and GRU. <i>International Journal of Multimedia Information Retrieval</i> , 2022, 11, 135-147.	3.6	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
176	Enhancing Safety in Water Transport System Based on Internet of Things for Developing Countries. <i>International Journal of Distributed Sensor Networks</i> , 2016, 12, 2834616.	1.3	11
177	Cloud-supported framework for patients in post-stroke disability rehabilitation. <i>Telematics and Informatics</i> , 2018, 35, 826-836.	3.5	11
178	Privacy-Preserving Serverless Computing Using Federated Learning for Smart Grids. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 7843-7852.	7.2	11
179	Exploiting lion optimization algorithm for sustainable energy management system in industrial applications. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102237.	1.7	11
180	Spatial Attention-Based 3D Graph Convolutional Neural Network for Sign Language Recognition. <i>Sensors</i> , 2022, 22, 4558.	2.1	11

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