

# Ghulam 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.

246  
papers

6,792  
citations

47  
h-index

72  
g-index

272  
ext. papers

9,207  
ext. citations

5  
avg, IF

7.29  
L-index

#	Paper	IF	Citations
246	A Multibranch of Convolutional Neural Network Models for Electroencephalogram-Based Motor Imagery Classification.. <i>Biosensors</i> , <b>2022</b> , 12,	5.9	2
245	Intelligent Tracking of Mechanically Thrown Objects by Industrial Catching Robot for Automated In-Plant Logistics 4.0.. <i>Sensors</i> , <b>2022</b> , 22,	3.8	2
244	Sputtered WOx thin film as the electron transport layer for efficient perovskite solar cells. <i>Applied Physics A: Materials Science and Processing</i> , <b>2022</b> , 128, 1	2.6	1
243	Multi-sensor human activity recognition using CNN and GRU. <i>International Journal of Multimedia Information Retrieval</i> , <b>2022</b> , 11, 135	2.4	0
242	Tuberculosis detection in chest radiograph using convolutional neural network architecture and explainable artificial intelligence.. <i>Neural Computing and Applications</i> , <b>2022</b> , 1-21	4.8	2
241	Light Deep Models for Cognitive Computing in Intelligent Transportation Systems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2022</b> , 1-9	6.1	
240	Exploiting lion optimization algorithm for sustainable energy management system in industrial applications. <i>Sustainable Energy Technologies and Assessments</i> , <b>2022</b> , 52, 102237	4.7	3
239	Sustainable Network by Enhancing Attribute-Based Selection Mechanism Using Lagrange Interpolation. <i>Sustainability</i> , <b>2022</b> , 14, 6082	3.6	0
238	Emotion Recognition for Cognitive Edge Computing Using Deep Learning. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 16894-16901	10.7	9
237	Attention-Inception and Long Short-Term Memory-based Electroencephalography Classification for Motor Imagery Tasks in Rehabilitation. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 1-1	11.9	3
236	Privacy-preserving Serverless Computing using Federated Learning for Smart Grids. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 1-1	11.9	1
235	A Deep-Learning-Based Edge-Centric COVID-19-Like Pandemic Screening and Diagnosis System within a B5G Framework Using Blockchain. <i>IEEE Network</i> , <b>2021</b> , 35, 74-81	11.4	11
234	Sensor-Based Human Activity Recognition with Spatio-Temporal Deep Learning. <i>Sensors</i> , <b>2021</b> , 21,	3.8	21
233	Medical image-based detection of COVID-19 using Deep Convolution Neural Networks. <i>Multimedia Systems</i> , <b>2021</b> , 1-10	2.2	32
232	Diluted chemical bath deposition of CdZnS as prospective buffer layer in CIGS solar cell. <i>Ceramics International</i> , <b>2021</b> , 47, 11003-11009	5.1	12
231	Ionic liquid infused starch-cellulose derivative based quasi-solid dye-sensitized solar cell: exploiting the rheological properties of natural polymers. <i>Cellulose</i> , <b>2021</b> , 28, 5545	5.5	4
230	. <i>IEEE Network</i> , <b>2021</b> , 35, 21-26	11.4	6

229	Defect Study and Modelling of SnX <sub>3</sub> -Based Perovskite Solar Cells with SCAPS-1D. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	12
228	Organosoluble, esterified starch as quasi-solid biopolymer electrolyte in dye-sensitized solar cell. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 12, 1638-1648	5.5	5
227	Attention based Inception model for robust EEG motor imagery classification <b>2021</b> ,		3
226	Emotion-aware mobile edge computing system: A case study. <i>Computers and Electrical Engineering</i> , <b>2021</b> , 92, 107120	4.3	2
225	Impact of Ar Flow Rates on Micro-Structural Properties of WS Thin Film by RF Magnetron Sputtering. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	3
224	eDiaPredict: An Ensemble-based Framework for Diabetes Prediction. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , <b>2021</b> , 17, 1-26	3.4	5
223	Pre-Trained Convolutional Neural Networks for Breast Cancer Detection Using Ultrasound Images. <i>ACM Transactions on Internet Technology</i> , <b>2021</b> , 21, 1-17	3.8	14
222	Blockchain for Secure-GaS: Blockchain-Powered Secure Natural Gas IoT System With AI-Enabled Gas Prediction and Transaction in Smart City. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 6305-6312	10.7	3
221	. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2021</b> , 39, 603-610	14.2	64
220	Security, Trust, and Privacy for the Internet of Vehicles: A Deep Learning Approach. <i>IEEE Consumer Electronics Magazine</i> , <b>2021</b> , 1-1	3.2	4
219	A Comprehensive Survey of the Internet of Things (IoT) and AI-Based Smart Healthcare. <i>IEEE Access</i> , <b>2021</b> , 9, 3660-3678	3.5	44
218	Lightweight and Anonymity-Preserving User Authentication Scheme for IoT-based Healthcare. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	30
217	. <i>IEEE Access</i> , <b>2021</b> , 9, 62719-62733	3.5	4
216	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> , <b>2021</b> , 1-1	10.7	47
215	. <i>IEEE Access</i> , <b>2021</b> , 9, 89198-89209	3.5	6
214	. <i>IEEE Access</i> , <b>2021</b> , 9, 88405-88428	3.5	2
213	The viability of alternative and nontoxic chlorine containing compounds for thermal treatment of ultrathin CdTe (1.0 nm) films. <i>International Journal of Energy Research</i> , <b>2021</b> , 45, 13771-13785	4.5	0
212	Transfer reinforcement learning-based road object detection in next generation IoT domain. <i>Computer Networks</i> , <b>2021</b> , 193, 108078	5.4	8

211	Electroencephalography-based motor imagery classification using temporal convolutional network fusion. <i>Biomedical Signal Processing and Control</i> , <b>2021</b> , 69, 102826	4.9	16
210	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 22, 5319-5328	6.1	15
209	COVID-19 and Non-COVID-19 Classification using Multi-layers Fusion From Lung Ultrasound Images. <i>Information Fusion</i> , <b>2021</b> , 72, 80-88	16.7	28
208	Efficient Flow Processing in 5G-Envisioned SDN-Based Internet of Vehicles Using GPUs. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 22, 5283-5292	6.1	10
207	Intelligent real-time Arabic sign language classification using attention-based inception and BiLSTM. <i>Computers and Electrical Engineering</i> , <b>2021</b> , 95, 107395	4.3	1
206	A comprehensive survey on multimodal medical signals fusion for smart healthcare systems. <i>Information Fusion</i> , <b>2021</b> , 76, 355-375	16.7	27
205	Incentive mechanism for collaborative distributed learning in Artificial Intelligence of Things. <i>Future Generation Computer Systems</i> , <b>2021</b> , 125, 376-384	7.5	0
204	. <i>IEEE Access</i> , <b>2021</b> , 9, 4223-4232	3.5	4
203	Design of A Social Robot Interact with Artificial Intelligence by Versatile Control Systems. <i>IEEE Sensors Journal</i> , <b>2021</b> , 1-1	4	2
202	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> , <b>2021</b> , 13, 796	3.6	13
201	. <i>IEEE Access</i> , <b>2021</b> , 9, 26388-26419	3.5	8
200	Deep-Reinforcement-Learning-Based Sustainable Energy Distribution for Wireless Communication. <i>IEEE Wireless Communications</i> , <b>2021</b> , 28, 42-48	13.4	2
199	Hand Gesture Recognition for Sign Language Using 3DCNN. <i>IEEE Access</i> , <b>2020</b> , 8, 79491-79509	3.5	29
198	Multi-CNN Feature Fusion for Efficient EEG Classification <b>2020</b> ,		5
197	. <i>IEEE Wireless Communications</i> , <b>2020</b> , 27, 62-67	13.4	16
196	. <i>IEEE Network</i> , <b>2020</b> , 34, 126-132	11.4	150
195	Attention-based sentiment analysis using convolutional and recurrent neural network. <i>Future Generation Computer Systems</i> , <b>2020</b> , 113, 571-578	7.5	26
194	Discriminative Feature Learning for Skin Disease Classification Using Deep Convolutional Neural Network. <i>IEEE Access</i> , <b>2020</b> , 8, 39025-39033	3.5	20

193	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> , <b>2020</b> , 7, 6143-6149	10.7	48
192	Follow me Robot-Mind: Cloud brain based personalized robot service with migration. <i>Future Generation Computer Systems</i> , <b>2020</b> , 107, 324-332	7.5	7
191	Cloudlet-Based Intelligent Auctioning Agents for Truthful Autonomous Electric Vehicles Energy Crowdsourcing. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 5457-5466	6.8	10
190	Stacked Autoencoder-based Intrusion Detection System to Combat Financial Fraudulent. <i>IEEE Internet of Things Journal</i> , <b>2020</b> , 1-1	10.7	7
189	Deep Learning for EEG Motor Imagery-Based Cognitive Healthcare <b>2020</b> , 233-254		1
188	Deep learning-based intelligent face recognition in IoT-cloud environment. <i>Computer Communications</i> , <b>2020</b> , 152, 215-222	5.1	21
187	Self-attention based recurrent convolutional neural network for disease prediction using healthcare data. <i>Computer Methods and Programs in Biomedicine</i> , <b>2020</b> , 190, 105191	6.9	17
186	Joint power and time allocation in energy harvesting of UAV operating system. <i>Computer Communications</i> , <b>2020</b> , 150, 811-817	5.1	6
185	Hand Gesture Recognition Using 3D-CNN Model. <i>IEEE Consumer Electronics Magazine</i> , <b>2020</b> , 9, 95-101	3.2	11
184	Tree-Based Deep Networks for Edge Devices. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 2022-2028	3.2	23
183	Resorcinol-Formaldehyde (RF) as a Novel Plasticizer for Starch-Based Solid Biopolymer Electrolyte. <i>Polymers</i> , <b>2020</b> , 12,	4.5	5
182	Light Deep Model for Pulmonary Nodule Detection From CT Scan Images for Mobile Devices. <i>Wireless Communications and Mobile Computing</i> , <b>2020</b> , 2020, 1-8	1.9	7
181	Leveraging Deep Learning Techniques for Malaria Parasite Detection Using Mobile Application. <i>Wireless Communications and Mobile Computing</i> , <b>2020</b> , 2020, 1-15	1.9	19
180	. <i>IEEE Network</i> , <b>2020</b> , 34, 120-125	11.4	33
179	MEMO Box: Health Assistant for Depression With Medicine Carrier and Exercise Adjustment Driven by Edge Computing. <i>IEEE Access</i> , <b>2020</b> , 8, 195568-195577	3.5	2
178	Tailoring of the Structural and Optoelectronic Properties of Zinc-Tin-Oxide Thin Films via Oxygenation Process for Solar Cell Application. <i>IEEE Access</i> , <b>2020</b> , 8, 193560-193568	3.5	9
177	Deep Learning-Based Approach for Sign Language Gesture Recognition With Efficient Hand Gesture Representation. <i>IEEE Access</i> , <b>2020</b> , 8, 192527-192542	3.5	23
176	Framework for Efficient Medical Image Encryption Using Dynamic S-Boxes and Chaotic Maps. <i>IEEE Access</i> , <b>2020</b> , 8, 160433-160449	3.5	20

175	Secure and Provenance Enhanced Internet of Health Things Framework: A Blockchain Managed Federated Learning Approach. <i>IEEE Access</i> , <b>2020</b> , 8, 205071-205087	3.5	63
174	A knowledge-driven approach for activity recognition in smart homes based on activity profiling. <i>Future Generation Computer Systems</i> , <b>2020</b> , 107, 924-941	7.5	20
173	Towards energy-aware cloud-oriented cyber-physical therapy system. <i>Future Generation Computer Systems</i> , <b>2020</b> , 105, 800-813	7.5	10
172	Cervical cancer classification using convolutional neural networks and extreme learning machines. <i>Future Generation Computer Systems</i> , <b>2020</b> , 102, 643-649	7.5	75
171	Privacy-preserving based task allocation with mobile edge clouds. <i>Information Sciences</i> , <b>2020</b> , 507, 288-297	7	
170	Multiple contents offloading mechanism in AI-enabled opportunistic networks. <i>Computer Communications</i> , <b>2020</b> , 155, 93-103	5.1	2
169	Date fruit dataset for intelligent harvesting. <i>Data in Brief</i> , <b>2019</b> , 26, 104514	1.2	10
168	Multilevel Weighted Feature Fusion Using Convolutional Neural Networks for EEG Motor Imagery Classification. <i>IEEE Access</i> , <b>2019</b> , 7, 18940-18950	3.5	81
167	Virtualized QoS-Driven Spectrum Allocation in Space-Terrestrial Integrated Networks. <i>IEEE Network</i> , <b>2019</b> , 33, 58-63	11.4	5
166	Deep convolutional tree networks. <i>Future Generation Computer Systems</i> , <b>2019</b> , 101, 152-168	7.5	11
165	Double Auction Mechanisms For Dynamic Autonomous Electric Vehicles Energy Trading. <i>IEEE Transactions on Vehicular Technology</i> , <b>2019</b> , 68, 7466-7476	6.8	20
164	Edge Intelligence in the Cognitive Internet of Things: Improving Sensitivity and Interactivity. <i>IEEE Network</i> , <b>2019</b> , 33, 58-64	11.4	87
163	. <i>IEEE Access</i> , <b>2019</b> , 7, 27781-27788	3.5	34
162	Smart-Edge-CoCaCo: AI-Enabled Smart Edge with Joint Computation, Caching, and Communication in Heterogeneous IoT. <i>IEEE Network</i> , <b>2019</b> , 33, 58-64	11.4	61
161	Multi-task emotion communication system with dynamic resource allocations. <i>Information Fusion</i> , <b>2019</b> , 52, 167-174	16.7	3
160	Automatic Voice Pathology Monitoring Using Parallel Deep Models for Smart Healthcare. <i>IEEE Access</i> , <b>2019</b> , 7, 46474-46479	3.5	23
159	Applying Deep Learning for Epilepsy Seizure Detection and Brain Mapping Visualization. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , <b>2019</b> , 15, 1-17	3.4	97
158	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 4189-4196	11.9	149

157	Harnessing the power of big data analytics in the cloud to support learning analytics in mobile learning environment. <i>Computers in Human Behavior</i> , <b>2019</b> , 92, 578-588	7.7	44
156	Date Fruit Classification for Robotic Harvesting in a Natural Environment Using Deep Learning. <i>IEEE Access</i> , <b>2019</b> , 7, 117115-117133	3.5	50
155	Emotion recognition using secure edge and cloud computing. <i>Information Sciences</i> , <b>2019</b> , 504, 589-601	7.7	43
154	Deep Learning for EEG motor imagery classification based on multi-layer CNNs feature fusion. <i>Future Generation Computer Systems</i> , <b>2019</b> , 101, 542-554	7.5	126
153	An Audio-Visual Emotion Recognition System Using Deep Learning Fusion for a Cognitive Wireless Framework. <i>IEEE Wireless Communications</i> , <b>2019</b> , 26, 62-68	13.4	41
152	Deep Tree Net-Vector of Locally Aggregated Descriptor (VLAD) Model. <i>IEEE Access</i> , <b>2019</b> , 7, 150203-150212	3.5	12
151	. <i>IEEE Network</i> , <b>2019</b> , 33, 44-49	11.4	39
150	IoT big data analytics for smart homes with fog and cloud computing. <i>Future Generation Computer Systems</i> , <b>2019</b> , 91, 563-573	7.5	163
149	Emotion recognition using deep learning approach from audiovisual emotional big data. <i>Information Fusion</i> , <b>2019</b> , 49, 69-78	16.7	173
148	Green Cognitive Body Sensor Network: Architecture, Energy Harvesting, and Smart Clothing-Based Applications. <i>IEEE Sensors Journal</i> , <b>2019</b> , 19, 8371-8378	4	19
147	Cognitive Smart Healthcare for Pathology Detection and Monitoring. <i>IEEE Access</i> , <b>2019</b> , 7, 10745-10753	3.5	96
146	Heterogeneous Space and Terrestrial Integrated Networks for IoT: Architecture and Challenges. <i>IEEE Network</i> , <b>2019</b> , 33, 15-21	11.4	35
145	AI-Powered Green Cloud and Data Center. <i>IEEE Access</i> , <b>2019</b> , 7, 4195-4203	3.5	13
144	Automatic Fruit Classification Using Deep Learning for Industrial Applications. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 1027-1034	11.9	106
143	Smart healthcare monitoring: a voice pathology detection paradigm for smart cities. <i>Multimedia Systems</i> , <b>2019</b> , 25, 565-575	2.2	106
142	A parameter based growing ensemble of self-organizing maps for outlier detection in healthcare. <i>Cluster Computing</i> , <b>2019</b> , 22, 2437-2460	2.1	6
141	Moving average multi directional local features for speaker recognition. <i>Cluster Computing</i> , <b>2019</b> , 22, 2145-2157	2.1	4
140	Research and Implementation of ECG-Based Biological Recognition Parallelization. <i>IEEE Access</i> , <b>2018</b> , 6, 4759-4766	3.5	7



139	Medical Image Forgery Detection for Smart Healthcare. <i>IEEE Communications Magazine</i> , <b>2018</b> , 56, 33-37	9.1	83
138	Edge Computing with Cloud for Voice Disorder Assessment and Treatment. <i>IEEE Communications Magazine</i> , <b>2018</b> , 56, 60-65	9.1	75
137	New Zero-Watermarking Algorithm Using Hurst Exponent for Protection of Privacy in Telemedicine. <i>IEEE Access</i> , <b>2018</b> , 6, 7930-7940	3.5	23
136	Cloud-supported framework for patients in post-stroke disability rehabilitation. <i>Telematics and Informatics</i> , <b>2018</b> , 35, 826-836	8.1	9
135	Reliable service delivery in Tele-health care systems. <i>Journal of Network and Computer Applications</i> , <b>2018</b> , 115, 86-93	7.9	13
134	An intelligent healthcare system for detection and classification to discriminate vocal fold disorders. <i>Future Generation Computer Systems</i> , <b>2018</b> , 85, 19-28	7.5	31
133	Edge-centric multimodal authentication system using encrypted biometric templates. <i>Future Generation Computer Systems</i> , <b>2018</b> , 85, 76-87	7.5	30
132	Voice Pathology Detection and Classification Using Auto-Correlation and Entropy Features in Different Frequency Regions. <i>IEEE Access</i> , <b>2018</b> , 6, 6961-6974	3.5	53
131	Collaborative analysis model for trending images on social networks. <i>Future Generation Computer Systems</i> , <b>2018</b> , 86, 855-862	7.5	10
130	Soft Computing Techniques for Classification of Voiced/Unvoiced Phonemes. <i>Intelligent Automation and Soft Computing</i> , <b>2018</b> , 24, 267-274	2.6	
129	Cloud-assisted secure video transmission and sharing framework for smart cities. <i>Future Generation Computer Systems</i> , <b>2018</b> , 83, 596-606	7.5	89
128	Cloud-oriented emotion feedback-based Exergames framework. <i>Multimedia Tools and Applications</i> , <b>2018</b> , 77, 21861-21877	2.5	3
127	Automatic Seizure Detection in a Mobile Multimedia Framework. <i>IEEE Access</i> , <b>2018</b> , 6, 45372-45383	3.5	14
126	Voice Pathology Detection Using Deep Learning on Mobile Healthcare Framework. <i>IEEE Access</i> , <b>2018</b> , 6, 41034-41041	3.5	65
125	Transferring activity recognition models in FOG computing architecture. <i>Journal of Parallel and Distributed Computing</i> , <b>2018</b> , 122, 122-130	4.4	10
124	Improving consumer satisfaction in smart cities using edge computing and caching: A case study of date fruits classification. <i>Future Generation Computer Systems</i> , <b>2018</b> , 88, 333-341	7.5	40
123	Verifying the Images Authenticity in Cognitive Internet of Things (CIoT)-Oriented Cyber Physical System. <i>Mobile Networks and Applications</i> , <b>2018</b> , 23, 239-250	2.9	9
122	Emotion-Aware Connected Healthcare Big Data Towards 5G. <i>IEEE Internet of Things Journal</i> , <b>2018</b> , 5, 2399-2406	10.7	145



121	Urban Healthcare Big Data System Based on Crowdsourced and Cloud-Based Air Quality Indicators. <i>IEEE Communications Magazine</i> , <b>2018</b> , 56, 14-20	9.1	70
120	Environment Classification for Urban Big Data Using Deep Learning. <i>IEEE Communications Magazine</i> , <b>2018</b> , 56, 44-50	9.1	20
119	Proactive Cache-Based Location Privacy Preserving for Vehicle Networks. <i>IEEE Wireless Communications</i> , <b>2018</b> , 25, 77-83	13.4	10
118	Cognitive IoT-Cloud Integration for Smart Healthcare: Case Study for Epileptic Seizure Detection and Monitoring. <i>Mobile Networks and Applications</i> , <b>2018</b> , 23, 1624-1635	2.9	87
117	Telesurgery Robot Based on 5G Tactile Internet. <i>Mobile Networks and Applications</i> , <b>2018</b> , 23, 1645-1654	2.9	35
116	Semantic Multimedia Fog Computing and IoT Environment: Sustainability Perspective <b>2018</b> , 56, 80-87		36
115	Iris Recognition Using Multi-Algorithmic Approaches for Cognitive Internet of things (CIoT) Framework. <i>Future Generation Computer Systems</i> , <b>2018</b> , 89, 178-191	7.5	42
114	Investigation of Voice Pathology Detection and Classification on Different Frequency Regions Using Correlation Functions. <i>Journal of Voice</i> , <b>2017</b> , 31, 3-15	1.9	48
113	Passive detection of image forgery using DCT and local binary pattern. <i>Signal, Image and Video Processing</i> , <b>2017</b> , 11, 81-88	1.6	63
112	An Investigation of Multidimensional Voice Program Parameters in Three Different Databases for Voice Pathology Detection and Classification. <i>Journal of Voice</i> , <b>2017</b> , 31, 113.e9-113.e18	1.9	47
111	Smart Health Solution Integrating IoT and Cloud: A Case Study of Voice Pathology Monitoring <b>2017</b> , 55, 69-73		143
110	An Emotion Recognition System for Mobile Applications. <i>IEEE Access</i> , <b>2017</b> , 5, 2281-2287	3.5	52
109	Biometric Security Through Visual Encryption for Fog Edge Computing. <i>IEEE Access</i> , <b>2017</b> , 5, 5531-5538	3.5	38
108	. <i>IEEE Access</i> , <b>2017</b> , 5, 10871-10881	3.5	74
107	An Automatic Health Monitoring System for Patients Suffering From Voice Complications in Smart Cities. <i>IEEE Access</i> , <b>2017</b> , 5, 3900-3908	3.5	50
106	Fog Intelligence for Real-Time IoT Sensor Data Analytics. <i>IEEE Access</i> , <b>2017</b> , 5, 24062-24069	3.5	37
105	Development of the Arabic Voice Pathology Database and Its Evaluation by Using Speech Features and Machine Learning Algorithms. <i>Journal of Healthcare Engineering</i> , <b>2017</b> , 2017, 8783751	3.7	35
104	Cyberphysical cloud-oriented multi-sensory smart home framework for elderly people: An energy efficiency perspective. <i>Journal of Parallel and Distributed Computing</i> , <b>2017</b> , 103, 11-21	4.4	54

103	Intra- and Inter-database Study for Arabic, English, and German Databases: Do Conventional Speech Features Detect Voice Pathology?. <i>Journal of Voice</i> , <b>2017</b> , 31, 386.e1-386.e8	1.9	16
102	Voice pathology detection using interlaced derivative pattern on glottal source excitation. <i>Biomedical Signal Processing and Control</i> , <b>2017</b> , 31, 156-164	4.9	50
101	Speaker recognition based on Arabic phonemes. <i>Speech Communication</i> , <b>2017</b> , 86, 42-51	2.8	15
100	User emotion recognition from a larger pool of social network data using active learning. <i>Multimedia Tools and Applications</i> , <b>2017</b> , 76, 10881-10892	2.5	22
99	Enhanced Living by Assessing Voice Pathology Using a Co-Occurrence Matrix. <i>Sensors</i> , <b>2017</b> , 17,	3.8	22
98	Artificially intelligent recognition of Arabic speaker using voice print-based local features. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , <b>2016</b> , 28, 1009-1020	2	3
97	Authenticated media uploading framework for mobile cloud computing. <i>Memetic Computing</i> , <b>2016</b> , 8, 325-332	3.4	2
96	Healthcare Big Data Voice Pathology Assessment Framework. <i>IEEE Access</i> , <b>2016</b> , 4, 7806-7815	3.5	68
95	Toward end-to-end biometrics-based security for IoT infrastructure. <i>IEEE Wireless Communications</i> , <b>2016</b> , 23, 44-51	13.4	53
94	Audio-Visual Emotion Recognition Using Big Data Towards 5G. <i>Mobile Networks and Applications</i> , <b>2016</b> , 21, 753-763	2.9	63
93	Automatic voice pathology detection and classification using vocal tract area irregularity. <i>Biocybernetics and Biomedical Engineering</i> , <b>2016</b> , 36, 309-317	5.7	28
92	Steerable pyramid transform and local binary pattern based robust face recognition for e-health secured login. <i>Computers and Electrical Engineering</i> , <b>2016</b> , 53, 435-443	4.3	7
91	Voice pathology detection based on the modified voice contour and SVM. <i>Biologically Inspired Cognitive Architectures</i> , <b>2016</b> , 15, 10-18		12
90	Cloud-assisted Industrial Internet of Things (IIoT) Enabled framework for health monitoring. <i>Computer Networks</i> , <b>2016</b> , 101, 192-202	5.4	442
89	Detection of Voice Pathology using Fractal Dimension in a Multiresolution Analysis of Normal and Disordered Speech Signals. <i>Journal of Medical Systems</i> , <b>2016</b> , 40, 20	5.1	27
88	Audio-visual emotion recognition using multi-directional regression and Ridgelet transform. <i>Journal on Multimodal User Interfaces</i> , <b>2016</b> , 10, 325-333	1.7	54
87	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> , <b>2016</b> , 30, 757.e7-757.e19	1.9	25
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78	AudioVisual Emotion-Aware Cloud Gaming Framework. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2015</b> , 25, 2105-2118	6.4	58
77	Evaluation of Image Forgery Detection Using Multi-Scale Weber Local Descriptors. <i>International Journal on Artificial Intelligence Tools</i> , <b>2015</b> , 24, 1540016	0.9	24
76	. <i>IEEE Transactions on Multimedia</i> , <b>2015</b> , 17, 2281-2296	6.6	29
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71	<b>2015</b> ,		2
70	Watermarking of Parkinson Disease Speech in Cloud-Based Healthcare Framework. <i>International Journal of Distributed Sensor Networks</i> , <b>2015</b> , 2015, 1-9	1.7	5
69	Image forgery detection using steerable pyramid transform and local binary pattern. <i>Machine Vision and Applications</i> , <b>2014</b> , 25, 985-995	2.8	117
68	The impact of m-learning technology on students and educators. <i>Computers in Human Behavior</i> , <b>2014</b> , 30, 491-496	7.7	52

67	Comparison between WLD and LBP descriptors for non-intrusive image forgery detection <b>2014</b> ,		12
66	Automatic Speaker Recognition Using Multi-Directional Local Features (MDLF). <i>Arabian Journal for Science and Engineering</i> , <b>2014</b> , 39, 3799-3811		10
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64	Image forgery detection using Gabor filters and DCT <b>2014</b> ,		4
63	Automatic Date Fruit Classification by Using Local Texture Descriptors and Shape-Size Features <b>2014</b> ,		8
62	Detection and classification of voice pathology using feature selection <b>2014</b> ,		2
61	Pronunciation errors of non-Arab learners of Arabic language <b>2014</b> ,		1
60	<b>2014</b> ,		5
59	Voice pathology detection using auto-correlation of different filters bank <b>2014</b> ,		7
58	Pathological voice detection and binary classification using MPEG-7 audio features. <i>Biomedical Signal Processing and Control</i> , <b>2014</b> , 11, 1-9	4.9	60
57	Accurate and robust localization of duplicated region in copy-move image forgery. <i>Machine Vision and Applications</i> , <b>2014</b> , 25, 451-475	2.8	38
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55	Feature Selection Based Verification/Identification System Using Fingerprints and Palm Print. <i>Arabian Journal for Science and Engineering</i> , <b>2013</b> , 38, 849-857		12
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52	Gender recognition from faces using bandlet and local binary patterns <b>2013</b> ,		3
51	Copy-Move Image Forgery Detection Using Local Binary Pattern and Neighborhood Clustering <b>2013</b> ,		7
50	<b>2013</b> ,		2

49	Copy move image forgery detection method using steerable pyramid transform and texture descriptor <b>2013</b> ,		12
48	Voice Pathology Detection Using Vocal Tract Area <b>2013</b> ,		3
47	Splicing image forgery detection based on DCT and Local Binary Pattern <b>2013</b> ,		30
46	<b>2013</b> ,		9
45	Improving the detection and localization of duplicated regions in copy-move image forgery <b>2013</b> ,		7
44	Multi-scale local texture descriptor for image forgery detection <b>2013</b> ,		5
43	Image forgery detection using multi-resolution Weber local descriptors <b>2013</b> ,		15
42	GENDER RECOGNITION FROM FACE IMAGES WITH DYADIC WAVELET TRANSFORM AND LOCAL BINARY PATTERN. <i>International Journal on Artificial Intelligence Tools</i> , <b>2013</b> , 22, 1360018	0.9	3
41	Gender Recognition Using Nonsubsampled Contourlet Transform and WLD Descriptor. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 373-383	0.9	2
40	Evaluation of Image Forgery Detection Using Multi-scale Weber Local Descriptors. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 416-424	0.9	11
39	Gender Recognition Using Fusion of Local and Global Facial Features. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 493-502	0.9	12
38	Copy-Move Image Forgery Detection Using Multi-Resolution Weber Descriptors <b>2012</b> ,		5
37	<b>2012</b> ,		1
36	Face Recognition Using Multiscale and Spatially Enhanced Weber Law Descriptor <b>2012</b> ,		5
35	Gender Recognition from Face Images with Dyadic Wavelet Transform and Local Binary Pattern. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 409-419	0.9	4
34	Multidirectional regression (MDR)-based features for automatic voice disorder detection. <i>Journal of Voice</i> , <b>2012</b> , 26, 817.e19-27	1.9	39
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27	Mass detection in digital mammograms using gabor filter bank <b>2012,</b>		10
26	Mass Detection in Digital Mammograms Using Optimized Gabor Filter Bank. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 82-91	0.9	2
25	Comparison of voice features for Arabic speech recognition <b>2011,</b>		4
24	MLN-based Bangla ASR using context sensitive triphone HMM. <i>International Journal of Speech Technology</i> , <b>2011</b> , 14, 183-191	1.3	3
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22	Building a Rich Arabic Speech Database <b>2011,</b>		4
21	Gender Classification with Voice Intensity <b>2011,</b>		4
20	Blind copy move image forgery detection using dyadic undecimated wavelet transform <b>2011,</b>		17
19	Copy-Move Forgery Detection Using Dyadic Wavelet Transform <b>2011,</b>		20
18	Automatic Arabic digit speech recognition and formant analysis for voicing disordered people <b>2011</b>		9
17	Automatic voice disorder classification using vowel formants <b>2011,</b>		12
16	Robust copy-move image forgery detection using undecimated wavelets and Zernike moments <b>2011,</b>		6
15	Environment Recognition for Digital Audio Forensics Using MPEG-7 and MEL Cepstral Features. <i>Journal of Electrical Engineering</i> , <b>2011</b> , 62, 199-205	0.6	11
14	Environment sound recognition using zero crossing features and MPEG-7 <b>2010,</b>		1

13	Environment Recognition Using Selected MPEG-7 Audio Features and Mel-Frequency Cepstral Coefficients <b>2010</b> ,		21
12	Noise-Robust Pitch Detection using Auto-correlation Function with Enhancements. <i>Journal of King Saud University - Computer and Information Sciences</i> , <b>2010</b> , 22, 13-28	2.5	3
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10	Bangla phoneme recognition for ASR using multilayer neural network <b>2010</b> ,		3
9	Bangla phoneme recognition using hybrid features <b>2010</b> ,		5
8	Study on pharyngeal and uvular consonants in foreign accented Arabic for ASR. <i>Computer Speech and Language</i> , <b>2010</b> , 24, 219-231	2.8	9
7	Environment Recognition from Audio Using MPEG-7 Features <b>2009</b> ,		7
6	Automatic speech recognition for Bangla digits <b>2009</b> ,		27
5	Noise Robust Pitch Detection Based on Extended AMDF <b>2008</b> ,		9
4	Acoustic quality normalization for robust automatic speech recognition. <i>International Journal of Speech Technology</i> , <b>2007</b> , 10, 175-182	1.3	
3	Study on unique pharyngeal and uvular consonants in foreign accented Arabic		2
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