Ghulam Muhammad

List of Publications by Year
in descending order

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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	Tuberculosis detection in chest radiograph using convolutional neural network architecture and explainable artificial intelligence. Neural Computing and Applications, 2024, 36, 111-131.	5.6	25
2	Medical image-based detection of COVID-19 using Deep Convolution Neural Networks. Multimedia Systems, 2023, 29, 1729-1738.	4.7	106
3	Deep learning techniques for classification of electroencephalogram (EEG) motor imagery (MI) signals: a review. Neural Computing and Applications, 2023, 35, 14681-14722.	5.6	123
4	Stacked Autoencoder-Based Intrusion Detection System to Combat Financial Fraudulent. IEEE Internet of Things Journal, 2023, 10, 2071-2078.	8.7	27
5	Light Deep Models for Cognitive Computing in Intelligent Transportation Systems. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 1144-1152.	8.0	3
6	Security, Trust, and Privacy for the Internet of Vehicles: A Deep Learning Approach. IEEE Consumer Electronics Magazine, 2022, 11, 49-55.	2.3	14
7	Lightweight and Anonymity-Preserving User Authentication Scheme for IoT-Based Healthcare. IEEE Internet of Things Journal, 2022, 9, 2649-2656.	8.7	98
8	Design of a Social Robot Interact With Artificial Intelligence by Versatile Control Systems. IEEE Sensors Journal, 2022, 22, 17542-17549.	4.7	6
9	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.	11.3	36
10	Privacy-Preserving Serverless Computing Using Federated Learning for Smart Grids. IEEE Transactions on Industrial Informatics, 2022, 18, 7843-7852.	11.3	11
11	A Multibranch of Convolutional Neural Network Models for Electroencephalogram-Based Motor Imagery Classification. Biosensors, 2022, 12, 22.	4.7	25
12	Intelligent Tracking of Mechanically Thrown Objects by Industrial Catching Robot for Automated In-Plant Logistics 4.0. Sensors, 2022, 22, 2113.	3.8	12
13	Nanophotonic-structured front contact for high-performance perovskite solar cells. Science China Materials, 2022, 65, 1727-1740.	6.3	5
14	Sputtered WOx thin film as the electron transport layer for efficient perovskite solar cells. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	9
15	A Multi-Branch Convolutional Neural Network with Squeeze-and-Excitation Attention Blocks for EEG-Based Motor Imagery Signals Classification. Diagnostics, 2022, 12, 995.	2.6	33
16	Multi-sensor human activity recognition using CNN and GRU. International Journal of Multimedia Information Retrieval, 2022, 11, 135-147.	5.2	12
17	Effect of CuCl₂ treatment on RF magnetron-sputtered CdSe thin films for potential photovoltaic usage. Japanese Journal of Applied Physics, 2022, 61, 065504.	1.5	2
18	Exploiting lion optimization algorithm for sustainable energy management system in industrial applications. Sustainable Energy Technologies and Assessments, 2022, 52, 102237.	2.7	11

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19	Sustainable Network by Enhancing Attribute-Based Selection Mechanism Using Lagrange Interpolation. Sustainability, 2022, 14, 6082.	3.2	8
20	Deep learning in multimedia healthcare applications: a review. Multimedia Systems, 2022, 28, 1465-1479.	4.7	6
21	Spatial Attention-Based 3D Graph Convolutional Neural Network for Sign Language Recognition. Sensors, 2022, 22, 4558.	3.8	11
22	Proactive Caching in D2D Assisted Multitier Cellular Network. Sensors, 2022, 22, 5078.	3.8	6
23	Special issue deep learning for multimedia healthcare. Multimedia Systems, 2022, 28, 1147-1150.	4.7	2
24	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
25	EEG-Based Pathology Detection for Home Health Monitoring. IEEE Journal on Selected Areas in Communications, 2021, 39, 603-610.	14.0	100
26	A Comprehensive Survey of the Internet of Things (IoT) and AI-Based Smart Healthcare. IEEE Access, 2021, 9, 3660-3678.	4.2	142
27	Digital Audio Forensics: Microphone and Environment Classification Using Deep Learning. IEEE Access, 2021, 9, 62719-62733.	4.2	24
28	A Lightweight and Robust Secure Key Establishment Protocol for Internet of Medical Things in COVID-19 Patients Care. IEEE Internet of Things Journal, 2021, 8, 15694-15703.	8.7	123
29	Convergence of Artificial Intelligence and Internet of Things in Smart Healthcare: A Case Study of Voice Pathology Detection. IEEE Access, 2021, 9, 89198-89209.	4.2	29
30	An Incremental Approach to Corpus Design and Construction: Application to a Large Contemporary Saudi Corpus. IEEE Access, 2021, 9, 88405-88428.	4.2	6
31	The viability of alternative and nontoxic chlorine containing compounds for thermal treatment of <scp>ultrathin CdTe</scp> (â‰1.0â€‰Î¼m) films. International Journal of Energy Research, 2021, 45, 13771-13785.	4.5	3
32	A Deep-Learning-Based Edge-Centric COVID-19-Like Pandemic Screening and Diagnosis System within a B5G Framework Using Blockchain. IEEE Network, 2021, 35, 74-81.	6.9	24
33	Sensor-Based Human Activity Recognition with Spatio-Temporal Deep Learning. Sensors, 2021, 21, 2141.	3.8	79
34	Diluted chemical bath deposition of CdZnS as prospective buffer layer in CIGS solar cell. Ceramics International, 2021, 47, 11003-11009.	4.8	28
35	Ionic liquid infused starch-cellulose derivative based quasi-solid dye-sensitized solar cell: exploiting the rheological properties of natural polymers. Cellulose, 2021, 28, 5545.	4.9	9
36	Pandemic Management for Diseases Similar to COVID-19 Using Deep Learning and 5G Communications. IEEE Network, 2021, 35, 21-26.	6.9	19

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37	Defect Study and Modelling of SnX3-Based Perovskite Solar Cells with SCAPS-1D. Nanomaterials, 2021, 11, 1218.	4.1	81
38	Organosoluble, esterified starch as quasi-solid biopolymer electrolyte in dye-sensitized solar cell. Journal of Materials Research and Technology, 2021, 12, 1638-1648.	5.8	9
39	Attention based Inception model for robust EEG motor imagery classification. , 2021, , .		16
40	Emotion-aware mobile edge computing system: A case study. Computers and Electrical Engineering, 2021, 92, 107120.	4.8	3
41	Impact of Ar Flow Rates on Micro-Structural Properties of WS2 Thin Film by RF Magnetron Sputtering. Nanomaterials, 2021, 11, 1635.	4.1	9
42	eDiaPredict: An Ensemble-based Framework for Diabetes Prediction. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-26.	4.3	18
43	Pre-Trained Convolutional Neural Networks for Breast Cancer Detection Using Ultrasound Images. ACM Transactions on Internet Technology, 2021, 21, 1-17.	4.4	27
44	Transfer reinforcement learning-based road object detection in next generation IoT domain. Computer Networks, 2021, 193, 108078.	5.1	16
45	Electroencephalography-based motor imagery classification using temporal convolutional network fusion. Biomedical Signal Processing and Control, 2021, 69, 102826.	5.7	73
46	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.	8.0	32
47	COVID-19 and Non-COVID-19 Classification using Multi-layers Fusion From Lung Ultrasound Images. Information Fusion, 2021, 72, 80-88.	19.1	78
48	Efficient Flow Processing in 5G-Envisioned SDN-Based Internet of Vehicles Using GPUs. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5283-5292.	8.0	25
49	Intelligent real-time Arabic sign language classification using attention-based inception and BiLSTM. Computers and Electrical Engineering, 2021, 95, 107395.	4.8	21
50	A comprehensive survey on multimodal medical signals fusion for smart healthcare systems. Information Fusion, 2021, 76, 355-375.	19.1	119
51	Incentive mechanism for collaborative distributed learning in Artificial Intelligence of Things. Future Generation Computer Systems, 2021, 125, 376-384.	7.5	8
52	A Trusted Social Network Using Hypothetical Mathematical Model and Decision- Based Scheme. IEEE Access, 2021, 9, 4223-4232.	4.2	12
53	Green Synthesis and Characterization of CuO Nanoparticles Derived from Papaya Peel Extract for the Photocatalytic Degradation of Palm Oil Mill Effluent (POME). Sustainability, 2021, 13, 796.	3.2	58
54	Smart Homes: How Much Will They Support Us? A Research on Recent Trends and Advances. IEEE Access, 2021, 9, 26388-26419.	4.2	28

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55	Emotion Recognition for Cognitive Edge Computing Using Deep Learning. IEEE Internet of Things Journal, 2021, 8, 16894-16901.	8.7	41
56	Deep-Reinforcement-Learning-Based Sustainable Energy Distribution for Wireless Communication. IEEE Wireless Communications, 2021, 28, 42-48.	9.0	5
57	Degradation of Perovskite Thin Films and Solar Cells with Candle Soot C/Ag Electrode Exposed in a Control Ambient. Nanomaterials, 2021, 11, 3463.	4.1	7
58	A knowledge-driven approach for activity recognition in smart homes based on activity profiling. Future Generation Computer Systems, 2020, 107, 924-941.	7.5	29
59	Towards energy-aware cloud-oriented cyber-physical therapy system. Future Generation Computer Systems, 2020, 105, 800-813.	7.5	13
60	Cervical cancer classification using convolutional neural networks and extreme learning machines. Future Generation Computer Systems, 2020, 102, 643-649.	7.5	156
61	Privacy-preserving based task allocation with mobile edge clouds. Information Sciences, 2020, 507, 288-297.	6.9	20
62	Self-attention based recurrent convolutional neural network for disease prediction using healthcare data. Computer Methods and Programs in Biomedicine, 2020, 190, 105191.	4.7	36
63	Joint power and time allocation in energy harvesting of UAV operating system. Computer Communications, 2020, 150, 811-817.	5.1	13
64	Hand Gesture Recognition Using 3D-CNN Model. IEEE Consumer Electronics Magazine, 2020, 9, 95-101.	2.3	28
65	Tree-Based Deep Networks for Edge Devices. IEEE Transactions on Industrial Informatics, 2020, 16, 2022-2028.	11.3	29
66	Resorcinol-Formaldehyde (RF) as a Novel Plasticizer for Starch-Based Solid Biopolymer Electrolyte. Polymers, 2020, 12, 2170.	4.5	10
67	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
68	Leveraging Deep Learning Techniques for Malaria Parasite Detection Using Mobile Application. Wireless Communications and Mobile Computing, 2020, 2020, 1-15.	1.2	55
69	Deep Learning Based Pathology Detection for Smart Connected Healthcare. IEEE Network, 2020, 34, 120-125.	6.9	51
70	MEMO Box: Health Assistant for Depression With Medicine Carrier and Exercise Adjustment Driven by Edge Computing. IEEE Access, 2020, 8, 195568-195577.	4.2	5
71	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
72	Deep Learning-Based Approach for Sign Language Gesture Recognition With Efficient Hand Gesture Representation. IEEE Access, 2020, 8, 192527-192542.	4.2	91

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73	Framework for Efficient Medical Image Encryption Using Dynamic S-Boxes and Chaotic Maps. IEEE Access, 2020, 8, 160433-160449.	4.2	65
74	Secure and Provenance Enhanced Internet of Health Things Framework: A Blockchain Managed Federated Learning Approach. IEEE Access, 2020, 8, 205071-205087.	4.2	144
75	Hand Gesture Recognition for Sign Language Using 3DCNN. IEEE Access, 2020, 8, 79491-79509.	4.2	90
76	Multi-CNN Feature Fusion for Efficient EEG Classification. , 2020, , .		18
77	A Deep-Tree-Model-Based Radio Resource Distribution for 5G Networks. IEEE Wireless Communications, 2020, 27, 62-67.	9.0	26
78	Explainable AI and Mass Surveillance System-Based Healthcare Framework to Combat COVID-I9 Like Pandemics. IEEE Network, 2020, 34, 126-132.	6.9	237
79	Attention-based sentiment analysis using convolutional and recurrent neural network. Future Generation Computer Systems, 2020, 113, 571-578.	7.5	70
80	Discriminative Feature Learning for Skin Disease Classification Using Deep Convolutional Neural Network. IEEE Access, 2020, 8, 39025-39033.	4.2	61
81	Blockchain-Enabled Distributed Security Framework for Next-Generation IoT: An Edge Cloud and Software-Defined Network-Integrated Approach. IEEE Internet of Things Journal, 2020, 7, 6143-6149.	8.7	92
82	Follow me Robot-Mind: Cloud brain based personalized robot service with migration. Future Generation Computer Systems, 2020, 107, 324-332.	7.5	13
83	Cloudlet-Based Intelligent Auctioning Agents for Truthful Autonomous Electric Vehicles Energy Crowdsourcing. IEEE Transactions on Vehicular Technology, 2020, 69, 5457-5466.	6.3	16
84	Multiple contents offloading mechanism in AI-enabled opportunistic networks. Computer Communications, 2020, 155, 93-103.	5.1	3
85	Deep learning-based intelligent face recognition in IoT-cloud environment. Computer Communications, 2020, 152, 215-222.	5.1	47
86	Deep Learning for EEG Motor Imagery-Based Cognitive Healthcare. , 2020, , 233-254.		4
87	Harnessing the power of big data analytics in the cloud to support learning analytics in mobile learning environment. Computers in Human Behavior, 2019, 92, 578-588.	8.5	86
88	Date Fruit Classification for Robotic Harvesting in a Natural Environment Using Deep Learning. IEEE Access, 2019, 7, 117115-117133.	4.2	120
89	Emotion recognition using secure edge and cloud computing. Information Sciences, 2019, 504, 589-601.	6.9	74
90	Deep Learning for EEG motor imagery classification based on multi-layer CNNs feature fusion. Future Generation Computer Systems, 2019, 101, 542-554.	7.5	310

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91	An Audio-Visual Emotion Recognition System Using Deep Learning Fusion for a Cognitive Wireless Framework. IEEE Wireless Communications, 2019, 26, 62-68.	9.0	58
92	Deep Tree Net-Vector of Locally Aggregated Descriptor (VLAD) Model. IEEE Access, 2019, 7, 150203-150212.	4.2	0
93	Date fruit dataset for intelligent harvesting. Data in Brief, 2019, 26, 104514.	1.0	34
94	Multilevel Weighted Feature Fusion Using Convolutional Neural Networks for EEG Motor Imagery Classification. IEEE Access, 2019, 7, 18940-18950.	4.2	151
95	Virtualized QoS-Driven Spectrum Allocation in Space-Terrestrial Integrated Networks. IEEE Network, 2019, 33, 58-63.	6.9	8
96	Deep convolutional tree networks. Future Generation Computer Systems, 2019, 101, 152-168.	7.5	12
97	Double Auction Mechanisms For Dynamic Autonomous Electric Vehicles Energy Trading. IEEE Transactions on Vehicular Technology, 2019, 68, 7466-7476.	6.3	34
98	Edge Intelligence in the Cognitive Internet of Things: Improving Sensitivity and Interactivity. IEEE Network, 2019, 33, 58-64.	6.9	117
99	EEG Pathology Detection Based on Deep Learning. IEEE Access, 2019, 7, 27781-27788.	4.2	62
100	Smart-Edge-CoCaCo: AI-Enabled Smart Edge with Joint Computation, Caching, and Communication in Heterogeneous IoT. IEEE Network, 2019, 33, 58-64.	6.9	95
101	Multi-task emotion communication system with dynamic resource allocations. Information Fusion, 2019, 52, 167-174.	19.1	6
102	Automatic Voice Pathology Monitoring Using Parallel Deep Models for Smart Healthcare. IEEE Access, 2019, 7, 46474-46479.	4.2	35
103	Applying Deep Learning for Epilepsy Seizure Detection and Brain Mapping Visualization. ACM Transactions on Multimedia Computing, Communications and Applications, 2019, 15, 1-17.	4.3	179
104	Enforcing Position-Based Confidentiality With Machine Learning Paradigm Through Mobile Edge Computing in Real-Time Industrial Informatics. IEEE Transactions on Industrial Informatics, 2019, 15, 4189-4196.	11.3	187
105	Computing and Processing on the Edge: Smart Pathology Detection for Connected Healthcare. IEEE Network, 2019, 33, 44-49.	6.9	64
106	IoT big data analytics for smart homes with fog and cloud computing. Future Generation Computer Systems, 2019, 91, 563-573.	7.5	241
107	Emotion recognition using deep learning approach from audioâ€“visual emotional big data. Information Fusion, 2019, 49, 69-78.	19.1	299
108	Green Cognitive Body Sensor Network: Architecture, Energy Harvesting, and Smart Clothing-Based Applications. IEEE Sensors Journal, 2019, 19, 8371-8378.	4.7	27

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109	Cognitive Smart Healthcare for Pathology Detection and Monitoring. IEEE Access, 2019, 7, 10745-10753.	4.2	155
110	Heterogeneous Space and Terrestrial Integrated Networks for IoT: Architecture and Challenges. IEEE Network, 2019, 33, 15-21.	6.9	68
111	AI-Powered Green Cloud and Data Center. IEEE Access, 2019, 7, 4195-4203.	4.2	29
112	Automatic Fruit Classification Using Deep Learning for Industrial Applications. IEEE Transactions on Industrial Informatics, 2019, 15, 1027-1034.	11.3	203
113	Smart healthcare monitoring: a voice pathology detection paradigm for smart cities. Multimedia Systems, 2019, 25, 565-575.	4.7	165
114	A parameter based growing ensemble of self-organizing maps for outlier detection in healthcare. Cluster Computing, 2019, 22, 2437-2460.	5.0	7
115	Moving average multi directional local features for speaker recognition. Cluster Computing, 2019, 22, 2145-2157.	5.0	4
116	Research and Implementation of ECG-Based Biological Recognition Parallelization. IEEE Access, 2018, 6, 4759-4766.	4.2	9
117	Medical Image Forgery Detection for Smart Healthcare. IEEE Communications Magazine, 2018, 56, 33-37.	6.1	108
118	Edge Computing with Cloud for Voice Disorder Assessment and Treatment. IEEE Communications Magazine, 2018, 56, 60-65.	6.1	105
119	New Zero-Watermarking Algorithm Using Hurst Exponent for Protection of Privacy in Telemedicine. IEEE Access, 2018, 6, 7930-7940.	4.2	38
120	Cloud-supported framework for patients in post-stroke disability rehabilitation. Telematics and Informatics, 2018, 35, 826-836.	5.8	11
121	Reliable service delivery in Tele-health care systems. Journal of Network and Computer Applications, 2018, 115, 86-93.	9.1	17
122	An intelligent healthcare system for detection and classification to discriminate vocal fold disorders. Future Generation Computer Systems, 2018, 85, 19-28.	7.5	69
123	Edge-centric multimodal authentication system using encrypted biometric templates. Future Generation Computer Systems, 2018, 85, 76-87.	7.5	54
124	Voice Pathology Detection and Classification Using Auto-Correlation and Entropy Features in Different Frequency Regions. IEEE Access, 2018, 6, 6961-6974.	4.2	103
125	Collaborative analysis model for trending images on social networks. Future Generation Computer Systems, 2018, 86, 855-862.	7.5	13
126	Soft Computing Techniques for Classification of Voiced/Unvoiced Phonemes. Intelligent Automation and Soft Computing, 2018, 24, 267-274.	2.1	0

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127	Cloud-assisted secure video transmission and sharing framework for smart cities. Future Generation Computer Systems, 2018, 83, 596-606.	7.5	111
128	Cloud-oriented emotion feedback-based Exergames framework. Multimedia Tools and Applications, 2018, 77, 21861-21877.	3.9	3
129	Emotion-Aware Connected Healthcare Big Data Towards 5G. IEEE Internet of Things Journal, 2018, 5, 2399-2406.	8.7	209
130	Urban Healthcare Big Data System Based on Crowdsourced and Cloud-Based Air Quality Indicators. IEEE Communications Magazine, 2018, 56, 14-20.	6.1	103
131	Environment Classification for Urban Big Data Using Deep Learning. IEEE Communications Magazine, 2018, 56, 44-50.	6.1	32
132	Proactive Cache-Based Location Privacy Preserving for Vehicle Networks. IEEE Wireless Communications, 2018, 25, 77-83.	9.0	24
133	Cognitive IoT-Cloud Integration for Smart Healthcare: Case Study for Epileptic Seizure Detection and Monitoring. Mobile Networks and Applications, 2018, 23, 1624-1635.	3.3	129
134	Telesurgery Robot Based on 5G Tactile Internet. Mobile Networks and Applications, 2018, 23, 1645-1654.	3.3	70
135	Semantic Multimedia Fog Computing and IoT Environment: Sustainability Perspective. , 2018, 56, 80-87.		46
136	Iris Recognition Using Multi-Algorithmic Approaches for Cognitive Internet of things (CIoT) Framework. Future Generation Computer Systems, 2018, 89, 178-191.	7.5	58
137	Automatic Seizure Detection in a Mobile Multimedia Framework. IEEE Access, 2018, 6, 45372-45383.	4.2	25
138	Voice Pathology Detection Using Deep Learning on Mobile Healthcare Framework. IEEE Access, 2018, 6, 41034-41041.	4.2	125
139	Transferring activity recognition models in FOG computing architecture. Journal of Parallel and Distributed Computing, 2018, 122, 122-130.	4.1	13
140	Improving consumer satisfaction in smart cities using edge computing and caching: A case study of date fruits classification. Future Generation Computer Systems, 2018, 88, 333-341.	7.5	54
141	Verifying the Images Authenticity in Cognitive Internet of Things (CIoT)-Oriented Cyber Physical System. Mobile Networks and Applications, 2018, 23, 239-250.	3.3	10
142	Investigation of Voice Pathology Detection and Classification on Different Frequency Regions Using Correlation Functions. Journal of Voice, 2017, 31, 3-15.	1.5	73
143	Passive detection of image forgery using DCT and local binary pattern. Signal, Image and Video Processing, 2017, 11, 81-88.	2.7	93
144	An Investigation of Multidimensional Voice Program Parameters in Three Different Databases for Voice Pathology Detection and Classification. Journal of Voice, 2017, 31, 113.e9-113.e18.	1.5	83

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145	Smart Health Solution Integrating IoT and Cloud: A Case Study of Voice Pathology Monitoring. , 2017, 55, 69-73.		190
146	An Emotion Recognition System for Mobile Applications. IEEE Access, 2017, 5, 2281-2287.	4.2	76
147	Biometric Security Through Visual Encryption for Fog Edge Computing. IEEE Access, 2017, 5, 5531-5538.	4.2	45
148	Clinical informatics: mining of pathological data by acoustic analysis. , 2017, , .		0
149	A Facial-Expression Monitoring System for Improved Healthcare in Smart Cities. IEEE Access, 2017, 5, 10871-10881.	4.2	104
150	An Automatic Health Monitoring System for Patients Suffering From Voice Complications in Smart Cities. IEEE Access, 2017, 5, 3900-3908.	4.2	69
151	Fog Intelligence for Real-Time IoT Sensor Data Analytics. IEEE Access, 2017, 5, 24062-24069.	4.2	48
152	Cyberâ€“physical cloud-oriented multi-sensory smart home framework for elderly people: An energy efficiency perspective. Journal of Parallel and Distributed Computing, 2017, 103, 11-21.	4.1	60
153	Intra- and Inter-database Study for Arabic, English, and German Databases: Do Conventional Speech Features Detect Voice Pathology?. Journal of Voice, 2017, 31, 386.e1-386.e8.	1.5	25
154	Voice pathology detection using interlaced derivative pattern on glottal source excitation. Biomedical Signal Processing and Control, 2017, 31, 156-164.	5.7	78
155	Speaker recognition based on Arabic phonemes. Speech Communication, 2017, 86, 42-51.	2.8	21
156	User emotion recognition from a larger pool of social network data using active learning. Multimedia Tools and Applications, 2017, 76, 10881-10892.	3.9	25
157	Enhanced Living by Assessing Voice Pathology Using a Co-Occurrence Matrix. Sensors, 2017, 17, 267.	3.8	33
158	Development of the Arabic Voice Pathology Database and Its Evaluation by Using Speech Features and Machine Learning Algorithms. Journal of Healthcare Engineering, 2017, 2017, 1-13.	1.9	61
159	A System for True and False Memory Prediction Based on 2D and 3D Educational Contents and EEG Brain Signals. Computational Intelligence and Neuroscience, 2016, 2016, 1-11.	1.7	7
160	Reusing Software Libraries Using Semantic Graphs. , 2016, , .		2
161	STCAPLRS. ACM Transactions on Intelligent Systems and Technology, 2016, 7, 1-30.	4.5	20
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164	Short-term and long-term memory analysis of learning using 2D and 3D educational contents. Behaviour and Information Technology, 2016, 35, 958-967.	4.0	5
165	Authenticated media uploading framework for mobile cloud computing. Memetic Computing, 2016, 8, 325-332.	4.0	2
166	Healthcare Big Data Voice Pathology Assessment Framework. IEEE Access, 2016, 4, 7806-7815.	4.2	81
167	Toward end-to-end biomet rics-based security for IoT infrastructure. IEEE Wireless Communications, 2016, 23, 44-51.	9.0	76
168	Audio-Visual Emotion Recognition Using Big Data Towards 5G. Mobile Networks and Applications, 2016, 21, 753-763.	3.3	73
169	Automatic voice pathology detection and classification using vocal tract area irregularity. Biocybernetics and Biomedical Engineering, 2016, 36, 309-317.	5.9	40
170	Steerable pyramid transform and local binary pattern based robust face recognition for e-health secured login. Computers and Electrical Engineering, 2016, 53, 435-443.	4.8	10
171	Voice pathology detection based on the modified voice contour and SVM. Biologically Inspired Cognitive Architectures, 2016, 15, 10-18.	0.9	16
172	Cloud-assisted Industrial Internet of Things (IIoT) â€“ Enabled framework for health monitoring. Computer Networks, 2016, 101, 192-202.	5.1	590
173	Detection of Voice Pathology using Fractal Dimension in a Multiresolution Analysis of Normal and Disordered Speech Signals. Journal of Medical Systems, 2016, 40, 20.	3.6	42
174	Audio-visual emotion recognition using multi-directional regression and Ridgelet transform. Journal on Multimodal User Interfaces, 2016, 10, 325-333.	2.9	62
175	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.	1.5	41
176	Artificially intelligent recognition of Arabic speaker using voice print-based local features. Journal of Experimental and Theoretical Artificial Intelligence, 2016, 28, 1009-1020.	2.8	4
177	Cloud-Assisted Speech and Face Recognition Framework for Health Monitoring. Mobile Networks and Applications, 2015, 20, 391-399.	3.3	99
178	Voice pathology detection with MDVP parameters using Arabic voice pathology database. , 2015, , .		4
179	Automatic speech recognition using interlaced derivative pattern for cloud based healthcare system. Cluster Computing, 2015, 18, 795-802.	5.0	68
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182	Audioâ€“Visual Emotion-Aware Cloud Gaming Framework. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 2105-2118.	8.3	70
183	Evaluation of Image Forgery Detection Using Multi-Scale Weber Local Descriptors. International Journal on Artificial Intelligence Tools, 2015, 24, 1540016.	1.0	36
184	Word-of-Mouth Understanding: Entity-Centric Multimodal Aspect-Opinion Mining in Social Media. IEEE Transactions on Multimedia, 2015, 17, 2281-2296.	7.2	41
185	Enhanced engineering education using smart class environment. Computers in Human Behavior, 2015, 51, 852-856.	8.5	44
186	Date fruits classification using texture descriptors and shape-size features. Engineering Applications of Artificial Intelligence, 2015, 37, 361-367.	8.1	75
187	Spectro-temporal directional derivative based automatic speech recognition for a serious game scenario. Multimedia Tools and Applications, 2015, 74, 5313-5327.	3.9	13
188	Watermarking of Parkinson Disease Speech in Cloud-Based Healthcare Framework. International Journal of Distributed Sensor Networks, 2015, 2015, 1-9.	2.2	5
189	Image forgery detection using Gabor filters and DCT. , 2014, , .		8
190	Automatic Date Fruit Classification by Using Local Texture Descriptors and Shape-Size Features. , 2014, , .		12
191	Voice Pathology Detection Using Multiresolution Technique. , 2014, , .		0
192	Detection and classification of voice pathology using feature selection. , 2014, , .		8
193	Nonsubsampled Contourlet Transform Based Descriptors for Gender Recognition. , 2014, , .		0
194	Pronunciation errors of non-Arab learners of Arabic language. , 2014, , .		2
195	Automatic pronunciation error detection of nonnative Arabic Speech. , 2014, , .		10
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