Ghulam Muhammad

List of Publications by Citations

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	Cloud-assisted Industrial Internet of Things (IIoT) Enabled framework for health monitoring. *Computer Networks*, **2016**, 101, 192-202	5.4	442
245	Emotion recognition using deep learning approach from audio-visual emotional big data. *Information Fusion*, **2019**, 49, 69-78	16.7	173
244	IoT big data analytics for smart homes with fog and cloud computing. *Future Generation Computer Systems*, **2019**, 91, 563-573	7.5	163
243	. *IEEE Network*, **2020**, 34, 126-132	11.4	150
242	. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 4189-4196	11.9	149
241	Emotion-Aware Connected Healthcare Big Data Towards 5G. *IEEE Internet of Things Journal*, **2018**, 5, 2399-2406	10.7	145
240	Smart Health Solution Integrating IoT and Cloud: A Case Study of Voice Pathology Monitoring **2017**, 55, 69-73		143
239	Passive copy move image forgery detection using undecimated dyadic wavelet transform. *Digital Investigation*, **2012**, 9, 49-57	3.3	131
238	Deep Learning for EEG motor imagery classification based on multi-layer CNNs feature fusion. *Future Generation Computer Systems*, **2019**, 101, 542-554	7.5	126
237	Image forgery detection using steerable pyramid transform and local binary pattern. *Machine Vision and Applications*, **2014**, 25, 985-995	2.8	117
236	Automatic Fruit Classification Using Deep Learning for Industrial Applications. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 1027-1034	11.9	106
235	Smart healthcare monitoring: a voice pathology detection paradigm for smart cities. *Multimedia Systems*, **2019**, 25, 565-575	2.2	106
234	Applying Deep Learning for Epilepsy Seizure Detection and Brain Mapping Visualization. *ACM Transactions on Multimedia Computing, Communications and Applications*, **2019**, 15, 1-17	3.4	97
233	Cognitive Smart Healthcare for Pathology Detection and Monitoring. *IEEE Access*, **2019**, 7, 10745-10753	3.5	96
232	Cloud-assisted secure video transmission and sharing framework for smart cities. *Future Generation Computer Systems*, **2018**, 83, 596-606	7.5	89
231	Edge Intelligence in the Cognitive Internet of Things: Improving Sensitivity and Interactivity. *IEEE Network*, **2019**, 33, 58-64	11.4	87
230	Cognitive IoT-Cloud Integration for Smart Healthcare: Case Study for Epileptic Seizure Detection and Monitoring. *Mobile Networks and Applications*, **2018**, 23, 1624-1635	2.9	87

229	Medical Image Forgery Detection for Smart Healthcare. *IEEE Communications Magazine*, **2018**, 56, 33-37	9.1	83
228	Multilevel Weighted Feature Fusion Using Convolutional Neural Networks for EEG Motor Imagery Classification. *IEEE Access*, **2019**, 7, 18940-18950	3.5	81
227	Edge Computing with Cloud for Voice Disorder Assessment and Treatment. *IEEE Communications Magazine*, **2018**, 56, 60-65	9.1	75
226	Cervical cancer classification using convolutional neural networks and extreme learning machines. *Future Generation Computer Systems*, **2020**, 102, 643-649	7.5	75
225	. *IEEE Access*, **2017**, 5, 10871-10881	3.5	74
224	Urban Healthcare Big Data System Based on Crowdsourced and Cloud-Based Air Quality Indicators. *IEEE Communications Magazine*, **2018**, 56, 14-20	9.1	70
223	Cloud-Assisted Speech and Face Recognition Framework for Health Monitoring. *Mobile Networks and Applications*, **2015**, 20, 391-399	2.9	69
222	Healthcare Big Data Voice Pathology Assessment Framework. *IEEE Access*, **2016**, 4, 7806-7815	3.5	68
221	Voice Pathology Detection Using Deep Learning on Mobile Healthcare Framework. *IEEE Access*, **2018**, 6, 41034-41041	3.5	65
220	. *IEEE Journal on Selected Areas in Communications*, **2021**, 39, 603-610	14.2	64
219	Passive detection of image forgery using DCT and local binary pattern. *Signal, Image and Video Processing*, **2017**, 11, 81-88	1.6	63
218	Audio-Visual Emotion Recognition Using Big Data Towards 5G. *Mobile Networks and Applications*, **2016**, 21, 753-763	2.9	63
217	Secure and Provenance Enhanced Internet of Health Things Framework: A Blockchain Managed Federated Learning Approach. *IEEE Access*, **2020**, 8, 205071-205087	3.5	63
216	Smart-Edge-CoCaCo: AI-Enabled Smart Edge with Joint Computation, Caching, and Communication in Heterogeneous IoT. *IEEE Network*, **2019**, 33, 58-64	11.4	61
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214	Pathological voice detection and binary classification using MPEG-7 audio features. *Biomedical Signal Processing and Control*, **2014**, 11, 1-9	4.9	60
213	Automatic speech recognition using interlaced derivative pattern for cloud based healthcare system. *Cluster Computing*, **2015**, 18, 795-802	2.1	59
212	Audio Visual Emotion-Aware Cloud Gaming Framework. *IEEE Transactions on Circuits and Systems for Video Technology*, **2015**, 25, 2105-2118	6.4	58

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210	Cyber-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	4.4	54
209	Voice Pathology Detection and Classification Using Auto-Correlation and Entropy Features in Different Frequency Regions. *IEEE Access*, **2018**, 6, 6961-6974	3.5	53
208	Toward end-to-end biomet rics-based security for IoT infrastructure. *IEEE Wireless Communications*, **2016**, 23, 44-51	13.4	53
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206	The impact of m-learning technology on students and educators. *Computers in Human Behavior*, **2014**, 30, 491-496	7.7	52
205	An Automatic Health Monitoring System for Patients Suffering From Voice Complications in Smart Cities. *IEEE Access*, **2017**, 5, 3900-3908	3.5	50
204	Date Fruit Classification for Robotic Harvesting in a Natural Environment Using Deep Learning. *IEEE Access*, **2019**, 7, 117115-117133	3.5	50
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201	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	10.7	48
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199	A Lightweight and Robust Secure Key Establishment Protocol for Internet of Medical Things in COVID-19 Patients Care. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	47
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197	A Comprehensive Survey of the Internet of Things (IoT) and AI-Based Smart Healthcare. *IEEE Access*, **2021**, 9, 3660-3678	3.5	44
196	Emotion recognition using secure edge and cloud computing. *Information Sciences*, **2019**, 504, 589-601	7.7	43
195	Date fruits classification using texture descriptors and shape-size features. *Engineering Applications of Artificial Intelligence*, **2015**, 37, 361-367	7.2	42
194	Iris Recognition Using Multi-Algorithmic Approaches for Cognitive Internet of things (CIoT) Framework. *Future Generation Computer Systems*, **2018**, 89, 178-191	7.5	42

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160	Tree-Based Deep Networks for Edge Devices. *IEEE Transactions on Industrial Informatics*, **2020**, 16, 2022-2028	10.3	23
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152	Double Auction Mechanisms For Dynamic Autonomous Electric Vehicles Energy Trading. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 7466-7476	6.8	20
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14

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