

# Hazrat Ali

## List of Publications by Year in descending order

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Version: 2024-02-01

66  
papers

790  
citations

687363

13  
h-index

580821

25  
g-index

68  
all docs

68  
docs citations

68  
times ranked

713  
citing authors

#	ARTICLE	IF	CITATIONS
1	Generative Adversarial Network for Medical Images (MI-GAN). Journal of Medical Systems, 2018, 42, 231.	3.6	148
2	Speaker recognition with hybrid features from a deep belief network. Neural Computing and Applications, 2018, 29, 13-19.	5.6	71
3	Call Detail Records Driven Anomaly Detection and Traffic Prediction in Mobile Cellular Networks. IEEE Access, 2018, 6, 41728-41737.	4.2	43
4	Segmentation of Lungs in Chest X-Ray Image Using Generative Adversarial Networks. IEEE Access, 2020, 8, 153535-153545.	4.2	40
5	Improving Classification Performance through an Advanced Ensemble Based Heterogeneous Extreme Learning Machines. Computational Intelligence and Neuroscience, 2017, 2017, 1-11.	1.7	33
6	Big Data Perspective and Challenges in Next Generation Networks. Future Internet, 2018, 10, 56.	3.8	33
7	Pioneer dataset and automatic recognition of Urdu handwritten characters using a deep autoencoder and convolutional neural network. SN Applied Sciences, 2020, 2, 1.	2.9	23
8	Outer rotor wound field flux switching machine for In-wheel direct drive application. IET Electric Power Applications, 2019, 13, 757-765.	1.8	22
9	3D human action analysis and recognition through GLAC descriptor on 2D motion and static posture images. Multimedia Tools and Applications, 2019, 78, 21085-21111.	3.9	22
10	KNN and ANN-based Recognition of Handwritten Pashto Letters using Zoning Features. International Journal of Advanced Computer Science and Applications, 2018, 9, .	0.7	21
11	Coconut trees detection and segmentation in aerial imagery using mask region-based convolution neural network. IET Computer Vision, 2021, 15, 428-439.	2.0	20
12	DWT features performance analysis for automatic speech recognition of Urdu. SpringerPlus, 2014, 3, 204.	1.2	18
13	A Deep Learning Pipeline for Identification of Motor Units in Musculoskeletal Ultrasound. IEEE Access, 2020, 8, 170595-170608.	4.2	17
14	A Denoising Based Autoassociative Model for Robust Sensor Monitoring in Nuclear Power Plants. Science and Technology of Nuclear Installations, 2016, 2016, 1-17.	0.8	14
15	Unimodal late fusion for NIST i-vector challenge on speaker detection. Electronics Letters, 2014, 50, 1098-1100.	1.0	13
16	Human action recognition using MHI and SHI based GLAC features and Collaborative Representation Classifier. Journal of Intelligent and Fuzzy Systems, 2019, 36, 3385-3401.	1.4	13
17	An Intelligent Monitoring System of Vehicles on Highway Traffic. , 2018, , .		12
18	The Space-Time Kernel-Based Numerical Method for Burgers' Equations. Mathematics, 2018, 6, 212.	2.2	12

#	ARTICLE	IF	CITATIONS
19	Call Details Record Analysis: A Spatiotemporal Exploration toward Mobile Traffic Classification and Optimization. Information (Switzerland), 2019, 10, 192.	2.9	12
20	Miniaturization of Dielectric Resonator Antenna by Using Artificial Magnetic Conductor Surface. IEEE Access, 2020, 8, 68548-68558.	4.2	12
21	Gradient local auto-correlation features for depth human action recognition. SN Applied Sciences, 2021, 3, 1.	2.9	12
22	Speech Signal Recovery Using Block Sparse Bayesian Learning. Arabian Journal for Science and Engineering, 2020, 45, 1567-1579.	3.0	11
23	Human Activity Recognition using Multi-Head CNN followed by LSTM. , 2019, , .		10
24	Automatic Speech Recognition of Urdu Digits with Optimal Classification Approach. International Journal of Computer Applications, 2015, 118, 1-5.	0.2	10
25	Computer Aided System for Leukocytes Classification and Segmentation in Blood Smear Images. , 2016, , .		9
26	Automatic speech recognition of Urdu words using linear discriminant analysis. Journal of Intelligent and Fuzzy Systems, 2015, 28, 2369-2375.	1.4	8
27	Modular Rotor Single Phase Field Excited Flux Switching Machine with Non-Overlapped Windings. Energies, 2019, 12, 1576.	3.1	8
28	Improving Human Action Recognition Using Hierarchical Features And Multiple Classifier Ensembles. Computer Journal, 2021, 64, 1633-1655.	2.4	8
29	Exploring 3D Human Action Recognition Using STACOG on Multi-View Depth Motion Maps Sequences. Sensors, 2021, 21, 3642.	3.8	8
30	The development of isolated words corpus of Pashto for the automatic speech recognition research. , 2012, , .		7
31	Classifier comparison for MSER-based text classification in scene images. , 2013, , .		6
32	Bayesian network scores based text localization in scene images. , 2014, , .		6
33	Where big data meets 5G?. , 2017, , .		6
34	A Deep Learning Based Approach for Localization and Recognition of Pakistani Vehicle License Plates. Sensors, 2021, 21, 7696.	3.8	6
35	Joint SLM and modified clipping scheme for PAPR reduction. , 2016, , .		5
36	SCADA & PLC based fully automated pneumatic cutting machine: A test bench for industry and laboratory. , 2018, , .		5

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37	A U-shaped Wide band frequency reconfigurable dielectric resonator antenna for 5G applications. , 2018, , .		5
38	Seizure Prediction Using Bidirectional LSTM. Communications in Computer and Information Science, 2019, , 349-356.	0.5	5
39	Combating COVID-19 Using Generative Adversarial Networks and Artificial Intelligence for Medical Images: Scoping Review. JMIR Medical Informatics, 2022, 10, e37365.	2.6	5
40	Differential based area efficient ROM-less Quadrature Direct Digital Frequency Synthesis. , 2009, , .		4
41	Linear Discriminant Analysis Based Approach for Automatic Speech Recognition of Urdu Isolated Words. Communications in Computer and Information Science, 2014, , 24-34.	0.5	4
42	Supervised classification for object identification in urban areas using satellite imagery. , 2018, , .		4
43	Prototype Designing of Hybrid Power System for Industry with efficient design of Solar Power System. , 2018, , .		4
44	Automatic Urdu Speech Recognition using Hidden Markov Model. , 2016, , .		3
45	A smart framework for power distribution and load balancing using Arduino. , 2018, , .		3
46	Multi band Frequency Reconfigurable Dielectric Resonator Antenna for multiple wireless application. , 2019, , .		3
47	Incident Detection over Unified Threat Management Platform on a Cloud Network. , 2019, , .		3
48	Improving PAPR reduction for OFDM using hybrid techniques. , 2015, , .		2
49	Urdu Speech Corpus and Preliminary Results on Speech Recognition. Communications in Computer and Information Science, 2016, , 317-325.	0.5	2
50	Design of multi-band antenna for LTE and WiMAX applications using step-shaped drivers with the truncated ground plane. , 2017, , .		2
51	A cross-shaped MIMO reconfigurable dielectric resonator antenna for GSM and LTE/UMTS applications. , 2018, , .		2
52	On the Approximation of a Nonlinear Biological Population Model Using Localized Radial Basis Function Method. Mathematical and Computational Applications, 2019, 24, 54.	1.3	2
53	Capsule-Net for Urdu Digits Recognition. , 2019, , .		2
54	Space-time kernel based numerical method for generalized Black-Scholes equation. Discrete and Continuous Dynamical Systems - Series S, 2020, 13, 2905-2915.	1.1	2

#	ARTICLE	IF	CITATIONS
55	A Hazard-Free Framework for Aerial Distribution of Pesticides on Agricultural Land. Mehran University Research Journal of Engineering and Technology, 2020, 39, 548-553.	0.6	2
56	Global stability properties for a delayed virus dynamics model with humoral immunity response and absorption effect. , 2017, , .		1
57	An L-shaped frequency reconfigurable MIMO Dielectric Resonator antenna for PCS band applications. , 2018, , .		1
58	Understanding and Partitioning Mobile Traffic using Internet Activity Records Data - A Spatiotemporal Approach. , 2019, , .		1
59	Human Action Recognition Using GLAC Features on Multi-view Binary Coded Images. , 2019, , .		1
60	Urdu text in natural scene images: a new dataset and preliminary text detection. PeerJ Computer Science, 2021, 7, e717.	4.5	1
61	Phase compensated differential based quadrature direct digital frequency synthesis. , 2012, , .		0
62	A Coplanar Waveguide Wide Band Frequency Reconfigurable Dielectric Resonator Antenna for Wimax/WLAN/WBAN Applications. , 2018, , .		0
63	Smart Fault Detection and Generator Protection scheme using Arduino and HMI. , 2019, , .		0
64	Miniaturized Off-Centered Fed Dipole Slot Antenna for Multiband Wireless Applications. , 2019, , .		0
65	Breast Cancer Detection and Classification based on Multilevel Wavelet Transformation. , 2019, , .		0
66	Generative Adversarial Network and Retinal Image Segmentation. Studies in Computational Intelligence, 2020, , 473-490.	0.9	0