Syed Omer Gilani

List of Publications by Year in Descending Order

58 papers	558 citations	14 h-index	21 g-index
81 ext. papers	889 ext. citations	2.5 avg, IF	4.18 L-index

#	Paper	IF	Citations
58	Rehabilitation of Upper Limb Motor Impairment in Stroke: A Narrative Review on the Prevalence, Risk Factors, and Economic Statistics of Stroke and State of the Art Therapies.. *Healthcare (Switzerland)*, **2022**, 10,	3.4	7
57	Melanoma segmentation using deep learning with test-time augmentations and conditional random fields.. *Scientific Reports*, **2022**, 12, 3948	4.9	1
56	Reply to Morone, G.; Giansanti, D. Comment on Anwer et al. Rehabilitation of Upper Limb Motor Impairment in Stroke: A Narrative Review on the Prevalence, Risk Factors, and Economic Statistics of Stroke and State of the Art Therapies. Healthcare 2022, 10, 190..*Healthcare (Switzerland)*, **2022**, 10, 847	3.4	0
55	Predicting Risk of Antenatal Depression and Anxiety Using Multi-Layer Perceptrons and Support Vector Machines. *Journal of Personalized Medicine*, **2021**, 11,	3.6	2
54	Leveraging ANN and LDA Classifiers for Characterizing Different Hand Movements Using EMG Signals. *Arabian Journal for Science and Engineering*, **2021**, 46, 1761-1769	2.5	6
53	Threshold Parameters Selection for Empirical Mode Decomposition-Based EMG Signal Denoising. *Intelligent Automation and Soft Computing*, **2021**, 27, 799-815	2.6	1
52	Automatic detection of pathological myopia using machine learning. *Scientific Reports*, **2021**, 11, 16570	4.9	2
51	Effective Voting Ensemble of Homogenous Ensembling with Multiple Attribute-Selection Approaches for Improved Identification of Thyroid Disorder. *Electronics (Switzerland)*, **2021**, 10, 3026	2.6	1
50	Improving fuel cell performance via optimal parameters identification through fuzzy logic based-modeling and optimization. *Energy*, **2020**, 204, 117976	7.9	26
49	. *IEEE Access*, **2020**, 8, 90862-90877	3.5	6
48	A Novel 2-D Current Signal-Based Residual Learning With Optimized Softmax to Identify Faults in Ball Screw Actuators. *IEEE Access*, **2020**, 8, 115299-115313	3.5	7
47	Impact of an Energy Monitoring System on the Energy Efficiency of an Automobile Factory: A Case Study. *Energies*, **2020**, 13, 2577	3.1	0
46	Skin Lesion Segmentation from Dermoscopic Images Using Convolutional Neural Network. *Sensors*, **2020**, 20,	3.8	30
45	Performance Evaluation of Convolutional Neural Network for Hand Gesture Recognition Using EMG. *Sensors*, **2020**, 20,	3.8	34
44	Design of Robust Higher-Order Repetitive Controller Using Phase Lead Compensator. *IEEE Access*, **2020**, 8, 30603-30614	3.5	14
43	Decoding Attempted Hand Movements in Stroke Patients Using Surface Electromyography. *Sensors*, **2020**, 20,	3.8	3
42	Brain Tumour Image Segmentation Using Deep Networks. *IEEE Access*, **2020**, 8, 153589-153598	3.5	12

#	Title	Impact	Citations
41	A Region-Based Deep Level Set Formulation for Vertebral Bone Segmentation of Osteoporotic Fractures. *Journal of Digital Imaging*, **2020**, 33, 191-203	5.3	17
40	Evaluation of windowing techniques for intramuscular EMG-based diagnostic, rehabilitative and assistive devices. *Journal of Neural Engineering*, **2020**,	5	3
39	A Novel Framework to Segment out Cervical Vertebrae **2019**,		1
38	Optimal Power Flow and Unified Control Strategy for Multi-Terminal HVDC Systems. *IEEE Access*, **2019**, 7, 92642-92650	3.5	9
37	A Robust Scheme of Vertebrae Segmentation for Medical Diagnosis. *IEEE Access*, **2019**, 7, 120387-120398	3.5	5
36	Comparative Analysis of Classifiers for EMG Signals **2019**,		2
35	The Effect of Eye Movements in Response to Different Types of Scenes Using a Graph-Based Visual Saliency Algorithm. *Applied Sciences (Switzerland)*, **2019**, 9, 5378	2.6	1
34	Automated Classification of Retinal Diseases in STARE Database Using Neural Network Approach **2019**,		1
33	Power line noise removal from ECG signal using notch, band stop and adaptive filters **2018**,		7
32	An appraisal of nodules detection techniques for lung cancer in CT images. *Biomedical Signal Processing and Control*, **2018**, 41, 140-151	4.9	23
31	A Protection Scheme for Multi-Terminal VSC-HVDC Transmission Systems. *IEEE Access*, **2018**, 6, 3159-3166	3.5	36
30	H.264 Encoder Parameter Optimization for Encoded Wireless Multimedia Transmissions. *IEEE Access*, **2018**, 6, 22046-22053	3.5	13
29	Stacked Sparse Autoencoders for EMG-Based Classification of Hand Motions: A Comparative Multi Day Analyses between Surface and Intramuscular EMG. *Applied Sciences (Switzerland)*, **2018**, 8, 1126	2.6	26
28	Multiday EMG-Based Classification of Hand Motions with Deep Learning Techniques. *Sensors*, **2018**, 18,	3.8	85
27	Designing PID Controller Based Semi-active Suspension System Using MATLAB Simulink. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2018**, 282-295	0.2	
26	Multi-Objective Optimization of VSC Stations in Multi-Terminal VSC-HVdc Grids, Based on PSO. *IEEE Access*, **2018**, 6, 62995-63004	3.5	17
25	Classification of Overt and Covert Speech for Near-Infrared Spectroscopy-Based Brain Computer Interface. *Sensors*, **2018**, 18,	3.8	3
24	Maximizing Throughput of Hybrid FSO-RF Communication System: An Algorithm. *IEEE Access*, **2018**, 6, 30039-30048	3.5	21

23	Utilizing implicit user cues for multimedia analytics **2017**, 219-251		
22	Link Adaptation for Maximizing MI of Hybrid Optical/RF Communication System. *Procedia Computer Science*, **2017**, 110, 282-289	1.6	4
21	Power Dispatch and Voltage Control in Multiterminal HVDC Systems: A Flexible Approach. *IEEE Access*, **2017**, 5, 24608-24616	3.5	24
20	**2017**,		4
19	Review of Fiducial and Non-Fiducial Techniques of Feature Extraction in ECG based Biometric Systems. *Indian Journal of Science and Technology*, **2016**, 9,	1	10
18	Automated Scene Analysis by Image Feature Extraction **2016**,		1
17	LQR Based Training of Adaptive Neuro-Fuzzy Controller. *Smart Innovation, Systems and Technologies*, **2016**, 311-322	0.5	1
16	Adaptive Thresholding Technique for Segmentation and Juxtapleural Nodules Inclusion in Lung Segments. *International Journal of Bio-Science and Bio-Technology*, **2016**, 8, 105-114	0.1	5
15	Monocular Vision-based Signer-Independent Pakistani Sign Language Recognition System using Supervised Learning. *Indian Journal of Science and Technology*, **2016**, 9,	1	4
14	Jib System Control of Industrial Robotic Three Degree of Freedom Crane using a Hybrid Controller. *Indian Journal of Science and Technology*, **2016**, 9,	1	6
13	Optimization of Query Processing Time using Taguchi Method for RFID Data Management. *Indian Journal of Science and Technology*, **2016**, 9,	1	2
12	State Space System Modeling of a Quad Copter UAV. *Indian Journal of Science and Technology*, **2016**, 9,	1	4
11	Audio signal's test in designing a cost-effective hearing aid device using a microcontroller. *International Journal of Biomedical Engineering and Technology*, **2016**, 20, 195	1.3	
10	Robust Repetitive Current Control of Two-Level Utility-Connected Converter using LCL Filter. *Arabian Journal for Science and Engineering*, **2015**, 40, 2653-2670		2
9	Text Detection and Recognition for Semantic Mapping in Indoor Navigation **2015**,		1
8	PET: An eye-tracking dataset for animal-centric Pascal object classes **2015**,		5
7	IMPROVED METHOD FOR STEREO VISION-BASED HUMAN DETECTION FOR A MOBILE ROBOT FOLLOWING A TARGET PERSON. *South African Journal of Industrial Engineering*, **2015**, 26, 102	1.7	2
6	Coherency Based Spatio-Temporal Saliency Detection for Video Object Segmentation. *IEEE Journal on Selected Topics in Signal Processing*, **2014**, 8, 454-462	7.5	18

LIST OF PUBLICATIONS