

Syed Omer Gilani

List of Publications by Citations

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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.

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	Multiday EMG-Based Classification of Hand Motions with Deep Learning Techniques. <i>Sensors</i> , 2018 , 18,	3.8	85
57	A Protection Scheme for Multi-Terminal VSC-HVDC Transmission Systems. <i>IEEE Access</i> , 2018 , 6, 3159-3166	3.5	36
56	Performance Evaluation of Convolutional Neural Network for Hand Gesture Recognition Using EMG. <i>Sensors</i> , 2020 , 20,	3.8	34
55	Skin Lesion Segmentation from Dermoscopic Images Using Convolutional Neural Network. <i>Sensors</i> , 2020 , 20,	3.8	30
54	Improving fuel cell performance via optimal parameters identification through fuzzy logic based-modeling and optimization. <i>Energy</i> , 2020 , 204, 117976	7.9	26
53	Stacked Sparse Autoencoders for EMG-Based Classification of Hand Motions: A Comparative Multi Day Analyses between Surface and Intramuscular EMG. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1126	2.6	26
52	Power Dispatch and Voltage Control in Multiterminal HVDC Systems: A Flexible Approach. <i>IEEE Access</i> , 2017 , 5, 24608-24616	3.5	24
51	An appraisal of nodules detection techniques for lung cancer in CT images. <i>Biomedical Signal Processing and Control</i> , 2018 , 41, 140-151	4.9	23
50	Maximizing Throughput of Hybrid FSO-RF Communication System: An Algorithm. <i>IEEE Access</i> , 2018 , 6, 30039-30048	3.5	21
49	Vision-Based Projected Tabletop Interface for Finger Interactions 2007 , 49-58		19
48	Coherency Based Spatio-Temporal Saliency Detection for Video Object Segmentation. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2014 , 8, 454-462	7.5	18
47	A Region-Based Deep Level Set Formulation for Vertebral Bone Segmentation of Osteoporotic Fractures. <i>Journal of Digital Imaging</i> , 2020 , 33, 191-203	5.3	17
46	Multi-Objective Optimization of VSC Stations in Multi-Terminal VSC-HVdc Grids, Based on PSO. <i>IEEE Access</i> , 2018 , 6, 62995-63004	3.5	17
45	Design of Robust Higher-Order Repetitive Controller Using Phase Lead Compensator. <i>IEEE Access</i> , 2020 , 8, 30603-30614	3.5	14
44	H.264 Encoder Parameter Optimization for Encoded Wireless Multimedia Transmissions. <i>IEEE Access</i> , 2018 , 6, 22046-22053	3.5	13
43	Brain Tumour Image Segmentation Using Deep Networks. <i>IEEE Access</i> , 2020 , 8, 153589-153598	3.5	12
42	Review of Fiducial and Non-Fiducial Techniques of Feature Extraction in ECG based Biometric Systems. <i>Indian Journal of Science and Technology</i> , 2016 , 9,	1	10

41	Optimal Power Flow and Unified Control Strategy for Multi-Terminal HVDC Systems. <i>IEEE Access</i> , 2019 , 7, 92642-92650	3.5	9
40	Parallel programming of saccades during natural scene viewing: evidence from eye movement positions. <i>Journal of Vision</i> , 2013 , 13, 17	0.4	8
39	A Novel 2-D Current Signal-Based Residual Learning With Optimized Softmax to Identify Faults in Ball Screw Actuators. <i>IEEE Access</i> , 2020 , 8, 115299-115313	3.5	7
38	Power line noise removal from ECG signal using notch, band stop and adaptive filters 2018 ,		7
37	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.. <i>Healthcare (Switzerland)</i> , 2022 , 10,	3.4	7
36	. <i>IEEE Access</i> , 2020 , 8, 90862-90877	3.5	6
35	Jib System Control of Industrial Robotic Three Degree of Freedom Crane using a Hybrid Controller. <i>Indian Journal of Science and Technology</i> , 2016 , 9,	1	6
34	Leveraging ANN and LDA Classifiers for Characterizing Different Hand Movements Using EMG Signals. <i>Arabian Journal for Science and Engineering</i> , 2021 , 46, 1761-1769	2.5	6
33	PET: An eye-tracking dataset for animal-centric Pascal object classes 2015 ,		5
32	A Robust Scheme of Vertebrae Segmentation for Medical Diagnosis. <i>IEEE Access</i> , 2019 , 7, 120387-120398,	3.5	5
31	Impact of image appeal on visual attention during photo triaging 2013 ,		5
30	Adaptive Thresholding Technique for Segmentation and Juxtapleural Nodules Inclusion in Lung Segments. <i>International Journal of Bio-Science and Bio-Technology</i> , 2016 , 8, 105-114	0.1	5
29	Link Adaptation for Maximizing MI of Hybrid Optical/RF Communication System. <i>Procedia Computer Science</i> , 2017 , 110, 282-289	1.6	4
28	2017 ,		4
27	Monocular Vision-based Signer-Independent Pakistani Sign Language Recognition System using Supervised Learning. <i>Indian Journal of Science and Technology</i> , 2016 , 9,	1	4
26	State Space System Modeling of a Quad Copter UAV. <i>Indian Journal of Science and Technology</i> , 2016 , 9,	1	4
25	Human tracking by a mobile robot using 3D features 2013 ,		3
24	Decoding Attempted Hand Movements in Stroke Patients Using Surface Electromyography. <i>Sensors</i> , 2020 , 20,	3.8	3

23	Evaluation of windowing techniques for intramuscular EMG-based diagnostic, rehabilitative and assistive devices. <i>Journal of Neural Engineering</i> , 2020 ,	5	3
22	Classification of Overt and Covert Speech for Near-Infrared Spectroscopy-Based Brain Computer Interface. <i>Sensors</i> , 2018 , 18,	3.8	3
21	Robust Repetitive Current Control of Two-Level Utility-Connected Converter using LCL Filter. <i>Arabian Journal for Science and Engineering</i> , 2015 , 40, 2653-2670		2
20	Comparative Analysis of Classifiers for EMG Signals 2019 ,		2
19	Open source OCR framework using mobile devices 2008 ,		2
18	IMPROVED METHOD FOR STEREO VISION-BASED HUMAN DETECTION FOR A MOBILE ROBOT FOLLOWING A TARGET PERSON. <i>South African Journal of Industrial Engineering</i> , 2015 , 26, 102	1.7	2
17	Predicting Risk of Antenatal Depression and Anxiety Using Multi-Layer Perceptrons and Support Vector Machines. <i>Journal of Personalized Medicine</i> , 2021 , 11,	3.6	2
16	Optimization of Query Processing Time using Taguchi Method for RFID Data Management. <i>Indian Journal of Science and Technology</i> , 2016 , 9,	1	2
15	Automatic detection of pathological myopia using machine learning. <i>Scientific Reports</i> , 2021 , 11, 16570	4.9	2
14	A Novel Framework to Segment out Cervical Vertebrae 2019 ,		1
13	Text Detection and Recognition for Semantic Mapping in Indoor Navigation 2015 ,		1
12	Automated Scene Analysis by Image Feature Extraction 2016 ,		1
11	LQR Based Training of Adaptive Neuro-Fuzzy Controller. <i>Smart Innovation, Systems and Technologies</i> , 2016 , 311-322	0.5	1
10	The Effect of Eye Movements in Response to Different Types of Scenes Using a Graph-Based Visual Saliency Algorithm. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 5378	2.6	1
9	Automated Classification of Retinal Diseases in STARE Database Using Neural Network Approach 2019 ,		1
8	Threshold Parameters Selection for Empirical Mode Decomposition-Based EMG Signal Denoising. <i>Intelligent Automation and Soft Computing</i> , 2021 , 27, 799-815	2.6	1
7	Melanoma segmentation using deep learning with test-time augmentations and conditional random fields.. <i>Scientific Reports</i> , 2022 , 12, 3948	4.9	1
6	Effective Voting Ensemble of Homogenous Ensembling with Multiple Attribute-Selection Approaches for Improved Identification of Thyroid Disorder. <i>Electronics (Switzerland)</i> , 2021 , 10, 3026	2.6	1

- 5 Impact of an Energy Monitoring System on the Energy Efficiency of an Automobile Factory: A Case Study. *Energies*, **2020**, 13, 2577 3.1 0
- 4 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
- 3 Utilizing implicit user cues for multimedia analytics **2017**, 219-251
- 2 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
- 1 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