Muhammad Tariq Sadiq

List of Publications by Year
in descending order

46 papers	1,533 citations	257450 24 h-index	330143 37 g-index
46 all docs	46 docs citations	46 times ranked	783 citing authors

#	Article	IF	Citations
1	Identification and role of opinion leaders in information diffusion for online discussion network. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 15301-15313.	4.9	37
2	Implementation of Incremental Conductance MPPT Algorithm with Integral Regulator by Using Boost Converter in Grid-Connected PV Array. IETE Journal of Research, 2023, 69, 3822-3835.	2.6	25
3	A Matrix Determinant Feature Extraction Approach for Decoding Motor and Mental Imagery EEG in Subject-Specific Tasks. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 375-387.	3.8	38
4	Exploiting pretrained CNN models for the development of an EEG-based robust BCI framework. Computers in Biology and Medicine, 2022, 143, 105242.	7.0	35
5	Evaluation of power spectral and machine learning techniques for the development of subject-specific BCI. , 2022, , 99-120.		12
6	Motor Imagery BCI Classification Based on Multivariate Variational Mode Decomposition. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 1177-1189.	4.9	27
7	Alcoholic EEG signals recognition based on phase space dynamic and geometrical features. Chaos, Solitons and Fractals, 2022, 158, 112036.	5.1	27
8	Exploiting dimensionality reduction and neural network techniques for the development of expert brain–computer interfaces. Expert Systems With Applications, 2021, 164, 114031.	7.6	73
9	Toward the Development of Versatile Brain–Computer Interfaces. IEEE Transactions on Artificial Intelligence, 2021, 2, 314-328.	4.7	41
10	A New Framework for Automatic Detection of Motor and Mental Imagery EEG Signals for Robust BCI Systems. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	36
11	Detection of focal and non-focal EEG signals using non-linear features derived from empirical wavelet transform rhythms. Physical and Engineering Sciences in Medicine, 2021, 44, 157-171.	2.4	21
12	Classification of normal and depressed EEG signals based on centered correntropy of rhythms in empirical wavelet transform domain. Health Information Science and Systems, 2021, 9, 9.	5.2	52
13	Simultaneous stable control of temperature field distribution uniformity and consistency for multi-temperature zone systems. Transactions of the Institute of Measurement and Control, 2021, 43, 2069-2080.	1.7	2
14	Depression Detection Based on Geometrical Features Extracted from SODP Shape of EEG Signals and Binary PSO. Traitement Du Signal, 2021, 38, 13-26.	1.3	37
15	Modeling and Analysis of Temperature Compensation for Multi-temperature Zone Sintering Furnace Temperature Sensing. International Journal of Control, Automation and Systems, 2021, 19, 2431-2443.	2.7	2
16	Epileptic seizure detection using 1 D-convolutional long short-term memory neural networks. Applied Acoustics, 2021, 177, 107941.	3.3	54
17	Depression recognition based on the reconstruction of phase space of EEG signals and geometrical features. Applied Acoustics, 2021, 179, 108078.	3.3	47
18	Schizophrenia recognition based on the phase space dynamic of EEG signals and graphical features. Biomedical Signal Processing and Control, 2021, 69, 102917.	5.7	45

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19	Exploiting Feature Selection and Neural Network Techniques for Identification of Focal and Nonfocal EEG Signals in TQWT Domain. Journal of Healthcare Engineering, 2021, 2021, 1-24.	1.9	22
20	A novel computer-aided diagnosis framework for EEG-based identification of neural diseases. Computers in Biology and Medicine, 2021, 138, 104922.	7.0	16
21	An Automatic Scheme with Diagnostic Index for Identification of Normal and Depression EEG Signals. Lecture Notes in Computer Science, 2021, , 59-70.	1.3	5
22	Auto-correlation Based Feature Extraction Approach for EEG Alcoholism Identification. Lecture Notes in Computer Science, 2021, , 47-58.	1.3	7
23	Flexible model predictive control based on multivariable online adjustment mechanism for robust gait generation. International Journal of Advanced Robotic Systems, 2020, 17, 172988141988729.	2.1	7
24	Unsteady magneto-hydrodynamic transport of rotating Maxwell nanofluid flow on a stretching sheet with Cattaneoâ€"Christov double diffusion and activation energy. Thermal Science and Engineering Progress, 2020, 20, 100720.	2.7	33
25	Numerical Simulation and Experimental Research on Flow Force and Pressure Stability in a Nozzle-Flapper Servo Valve. Processes, 2020, 8, 1404.	2.8	14
26	Design and analysis of robust fuzzy logic maximum power point tracking based isolated photovoltaic energy system. Engineering Reports, 2020, 2, e12234.	1.7	24
27	Identification of Motor and Mental Imagery EEG in Two and Multiclass Subject-Dependent Tasks Using Successive Decomposition Index. Sensors, 2020, 20, 5283.	3.8	43
28	Exploiting Multiple Optimizers with Transfer Learning Techniques for the Identification of COVID-19 Patients. Journal of Healthcare Engineering, 2020, 2020, 1-13.	1.9	29
29	Automatic Detection of Offensive Language for Urdu and Roman Urdu. IEEE Access, 2020, 8, 91213-91226.	4.2	61
30	A Trustworthy SIoT Aware Mechanism as an Enabler for Citizen Services in Smart Cities. Electronics (Switzerland), 2020, 9, 918.	3.1	43
31	Document-Level Text Classification Using Single-Layer Multisize Filters Convolutional Neural Network. IEEE Access, 2020, 8, 42689-42707.	4.2	63
32	Variable Viscosity Effects on Unsteady MHD an Axisymmetric Nanofluid Flow over a Stretching Surface with Thermo-Diffusion: FEM Approach. Symmetry, 2020, 12, 234.	2.2	37
33	Motor imagery BCI classification based on novel twoâ€"dimensional modelling in empirical wavelet transform. Electronics Letters, 2020, 56, 1367-1369.	1.0	69
34	A Finite Element Simulation of the Active and Passive Controls of the MHD Effect on an Axisymmetric Nanofluid Flow with Thermo-Diffusion over a Radially Stretched Sheet. Processes, 2020, 8, 207.	2.8	47
35	Load Sharing of Transformers for Intelligent Electric Power Management. Journal of Applied and Emerging Sciences, 2020, 9, 153.	0.1	1
36	Real-time Health Monitoring using Wireless Body Area Network. Journal of Applied and Emerging Sciences, 2020, 10, 26.	0.1	3

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37	Structural Design and Kinematics Simulation of Hydraulic Biped Robot. Applied Sciences (Switzerland), 2020, 10, 6377.	2.5	12
38	Finite Element Simulation of Multiple Slip Effects on MHD Unsteady Maxwell Nanofluid Flow over a Permeable Stretching Sheet with Radiation and Thermo-Diffusion in the Presence of Chemical Reaction. Processes, 2019, 7, 628.	2.8	72
39	On-Line Gait Adjustment for Humanoid Robot Robust Walking Based on Divergence Component of Motion. IEEE Access, 2019, 7, 159507-159518.	4.2	6
40	Impact of Inertial Response for the Variable Speed Wind Turbine. , 2019, , .		7
41	Motor Imagery EEG Signals Classification Based on Mode Amplitude and Frequency Components Using Empirical Wavelet Transform. IEEE Access, 2019, 7, 127678-127692.	4.2	114
42	An Automated Waste Control Management System (AWCMS) by Using Arduino. , 2019, , .		13
43	Feasibility evaluation of micro-optical coherence tomography (Î¼OCT) for rapid brain tumor type and grade discriminations: Î¼OCT images versus pathology. BMC Medical Imaging, 2019, 19, 102.	2.7	12
44	Motor Imagery EEG Signals Decoding by Multivariate Empirical Wavelet Transform-Based Framework for Robust Brainâ€"Computer Interfaces. IEEE Access, 2019, 7, 171431-171451.	4.2	110
45	Increase Battery Time by Improvement in Regenerative Braking with Storage System in Hybrid Vehicle. Journal of Applied and Emerging Sciences, 2019, 9, 53.	0.1	1
46	Comparison of Radio Propagation Models for Long Term Evolution (LTE) Network. International Journal of Next-Generation Networks, 2011, 3, 27-41.	1.0	51