

Mitul Kumar Ahirwal

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

364
citations

933447

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888059

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41
all docs

41
docs citations

41
times ranked

232
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive filtering of EEG/ERP through noise cancellers using an improved PSO algorithm. Swarm and Evolutionary Computation, 2014, 14, 76-91.	8.1	50
2	QRS detection using adaptive filters: A comparative study. ISA Transactions, 2017, 66, 362-375.	5.7	49
3	Analysis and testing of PSO variants through application in EEG/ERP adaptive filtering approach. Biomedical Engineering Letters, 2012, 2, 186-197.	4.1	41
4	Audio-visual stimulation based emotion classification by correlated EEG channels. Health and Technology, 2020, 10, 7-23.	3.6	21
5	IoT-enabled cloud-based real-time remote ECG monitoring system. Journal of Medical Engineering and Technology, 2021, 45, 473-485.	1.4	19
6	A new approach for emotions recognition through EOG and EMG signals. Signal, Image and Video Processing, 2021, 15, 1863-1871.	2.7	17
7	Study of ABC and PSO algorithms as optimised adaptive noise canceller for EEG/ERP. International Journal of Bio-Inspired Computation, 2016, 8, 170.	0.9	14
8	Emotion Recognition System based on EEG signal: A Comparative Study of Different Features and Classifiers. , 2018, , .		14
9	Vital Sign Monitoring System for Healthcare Through IoT Based Personal Service Application. Wireless Personal Communications, 2022, 122, 129-156.	2.7	14
10	A new approach for utilisation of single ERP to control multiple commands in BCI. International Journal of Electronics Letters, 2014, 2, 166-171.	1.2	13
11	Sub-band classification of decomposed single event-related potential variants for multi-class brain-computer interface: a qualitative and quantitative approach. IET Science, Measurement and Technology, 2016, 10, 355-363.	1.6	11
12	Descendent adaptive noise cancellers to improve SNR of contaminated EEG with gradient-based and evolutionary approach. International Journal of Biomedical Engineering and Technology, 2013, 13, 49.	0.2	9
13	Improved range selection method for evolutionary algorithm based adaptive filtering of EEG/ERP signals. Neurocomputing, 2014, 144, 282-294.	5.9	9
14	IoT-Based Smart Healthcare System: A Review on Constituent Technologies. Journal of Circuits, Systems and Computers, 2021, 30, 2130008.	1.5	9
15	Analysis and Identification of EEG Features for Mental Stress. Advances in Intelligent Systems and Computing, 2021, , 201-209.	0.6	8
16	Sub-band adaptive filtering method for electroencephalography/event related potential signal using nature inspired optimisation techniques. IET Science, Measurement and Technology, 2015, 9, 987-997.	1.6	6
17	Classification of 2D hand movement with power spectrum estimation. International Journal of Biomedical Engineering and Technology, 2012, 9, 277.	0.2	5
18	An Approach to Design Self Assisted CBIR System. , 2017, , .		5

#	ARTICLE	IF	CITATIONS
19	Performance prediction of adaptive filters for EEG signal. IET Science, Measurement and Technology, 2017, 11, 525-531.	1.6	5
20	Cloud-Based Remote Patient Monitoring System with Abnormality Detection and Alert Notification. Mobile Networks and Applications, 2022, 27, 1894-1909.	3.3	5
21	Offline Study of Brain Computer Interfacing for Hand Movement Using OpenVIBE. , 2011, , .		4
22	Scaled correlation analysis of electroencephalography: a new measure of signal influence. IET Science, Measurement and Technology, 2016, 10, 585-596.	1.6	4
23	Analytic hierarchy process-based automatic feature weight assignment method for content-based satellite image retrieval system. Soft Computing, 2023, 27, 1105-1115.	3.6	4
24	Development of Emotional Decision-Making Model Using EEG Signals. Advances in Intelligent Systems and Computing, 2021, , 281-286.	0.6	4
25	Electroencephalogram-based Cognitive Load Classification During Mental Arithmetic Task. Lecture Notes in Electrical Engineering, 2022, , 479-487.	0.4	4
26	A Content Based Image Retrieval System: Analysis of Individual and Mixed Image Features. , 2018, , .		3
27	Descendant adaptive filter to remove different noises from ECG signals. International Journal of Biomedical Engineering and Technology, 2020, 33, 258.	0.2	3
28	Biomedical Signals. Springer Briefs in Electrical and Computer Engineering, 2021, , 1-20.	0.5	3
29	Mental Workload Classification for Multitasking Test using Electroencephalogram Signal. , 2021, , .		3
30	Computational Model for Human Decision Making: A Study of Prospect Theory. , 2018, , .		1
31	Identification of Similar Gastrointestinal Images through Content Based Image Retrieval System based on Analytical Hierarchical Process. , 2021, , .		1
32	A new fission fusion behavior-based Rao algorithm (FFBBRA) for solving optimization problems. Evolutionary Intelligence, 0, , .	3.6	1
33	Assimilation of pair-wise comparison method to decide weights of features based on the content of image. International Journal of Information Technology and Decision Making, 0, , .	3.9	1
34	Fundamentals of Adaptive Filters. Springer Briefs in Electrical and Computer Engineering, 2021, , 21-50.	0.5	0
35	Swarm and Evolutionary Optimization Algorithm. Springer Briefs in Electrical and Computer Engineering, 2021, , 51-81.	0.5	0