Hafeez Ullah Amin

List of Publications by Year
in descending order

55 papers	1,572 citations	759055 12 h-index	752573 20 g-index
55 all docs	55 docs citations	55 times ranked	1577 citing authors

#	Article	IF	Citations
1	Modulation of cortical activity in response to learning and long-term memory retrieval of 2D verses stereoscopic 3D educational contents: Evidence from an EEG study. Computers in Human Behavior, 2021, 114, 106526.	5.1	6
2	Development of Enhanced Stimulus Content to Improve the Treatment Efficacy of EEG–Based Frontal Alpha Asymmetry Neurofeedback for Stress Mitigation. IEEE Access, 2021, 9, 130638-130648.	2.6	9
3	A novel approach based on wavelet analysis and arithmetic coding for automated detection and diagnosis of epileptic seizure in EEG signals using machine learning techniques. Biomedical Signal Processing and Control, 2020, 56, 101707.	3.5	69
4	Hemispheric Asymmetries in Electroencephalogram Oscillations for Long-Term Memory Retrieval in Healthy Individuals. Brain Sciences, 2020, 10, 937.	1.1	0
5	Neural correlates of eye contact in face-to-face verbal interaction: An EEG-based study of the extraversion personality trait. PLoS ONE, 2019, 14, e0219839.	1.1	4
6	Exploring EEG Effective Connectivity Network in Estimating Influence of Color on Emotion and Memory. Frontiers in Neuroinformatics, 2019, 13, 66.	1.3	29
7	Classification of Visual and Non-visual Learners Using Electroencephalographic Alpha and Gamma Activities. Frontiers in Behavioral Neuroscience, 2019, 13, 86.	1.0	17
8	EEG Power and Functional Connectivity Correlates with Semantic Long-Term Memory Retrieval. IEEE Access, 2018, 6, 8695-8703.	2.6	24
9	EEG Visual and Non- Visual Learner Classification Using LSTM Recurrent Neural Networks. , 2018, , .		4
10	Differentiating Between Visual and Non-Visual Learners Using EEG Power Spectrum Entropy. , 2018, , .		3
11	Visual brain activity patterns classification with simultaneous EEG-fMRI: A multimodal approach. Technology and Health Care, 2017, 25, 471-485.	0.5	8
12	An EEG-Based Cognitive Load Assessment in Multimedia Learning Using Feature Extraction and Partial Directed Coherence. IEEE Access, 2017, 5, 14819-14829.	2.6	55
13	Passive Polarized and Active Shutter 3D TVs. , 2017, , 87-103.		0
14	Visually Induced Motion Sickness. , 2017, , 147-159.		1
15	Designing an EEG Experiment. , 2017, , 1-30.		17
16	The Influences of Emotion on Learning and Memory. Frontiers in Psychology, 2017, 8, 1454.	1.1	658
17	Mental Stress. , 2017, , 31-46.		1
18	Visual and Cognitive Fatigue During Learning. , 2017, , 123-135.		4

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19	Classification of EEG Signals Based on Pattern Recognition Approach. Frontiers in Computational Neuroscience, 2017, 11, 103.	1.2	137
20	Alcohol Addiction. , 2017, , 75-85.		1
21	Drivers' Drowsiness. , 2017, , 181-190.		1
22	Mobile Phone Calls. , 2017, , 161-170.		0
23	Drivers' Cognitive Distraction. , 2017, , 171-180.		0
24	Working Memory and Attention. , 2017, , 191-202.		0
25	3D Video Games. , 2017, , 137-146.		0
26	Major Depressive Disorder. , 2017, , 47-61.		0
27	Epileptic Seizures. , 2017, , 63-74.		0
28	2D and 3D Educational Contents. , 2017, , 105-122.		0
29	A System for True and False Memory Prediction Based on 2D and 3D Educational Contents and EEG Brain Signals. Computational Intelligence and Neuroscience, 2016, 2016, 1-11.	1.1	7
30	EEG coherence and source localization analysis during multimedia learning process. , 2016, , .		1
31	EEG spectral analysis and functional connectivity during learning of science concepts. , 2016, , .		4
32	Role of EEG delta and beta oscillations during problem solving tasks. , 2016, , .		0
33	The correlation between EEG asymmetry and memory performance during semantic memory recall. , 2016, , .		3
34	Classification of cognitive and resting states of the brain using EEG features. , 2016, , .		12
35	A Novel Approach Based on Data Redundancy for Feature Extraction of EEG Signals. Brain Topography, 2016, 29, 207-217.	0.8	36
36	Single Trial EEG Patterns for the Prediction of Individual Differences in Fluid Intelligence. Frontiers in Human Neuroscience, 2016, 10, 687.	1.0	7

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37	Nonlinear features based classification of active and resting states of human brain using EEG. , 2015, , .		0
38	Functional connectivity of EEG regional delta and inter-regional gamma activity correlates with memory recall. , 2015, , .		4
39	P300 correlates with learning & memory abilities and fluid intelligence. Journal of NeuroEngineering and Rehabilitation, 2015, 12, 87.	2.4	69
40	Detrended fluctuation analysis for major depressive disorder. , 2015, 2015, 4162-5.		11
41	Effects of stereoscopic 3D display technology on event-related potentials (ERPs). , 2015, , .		10
42	Evaluation of passive polarized stereoscopic 3D display for visual &amp; mental fatigues. , 2015, 2015, 7590-3.		14
43	Feature extraction and classification for EEG signals using wavelet transform and machine learning techniques. Australasian Physical and Engineering Sciences in Medicine, 2015, 38, 139-149.	1.4	220
44	A system based on 3D and 2D educational contents for true and false memory prediction using EEG signals. , 2015, , .		2
45	EEG based evaluation of stereoscopic 3D displays for viewer discomfort. BioMedical Engineering OnLine, 2015, 14, 21.	1.3	34
46	Discrimination of Brain States Using Wavelet and Power Spectral Density. Lecture Notes in Computer Science, 2015, , 341-347.	1.0	1
47	A new approach for error minimization of piezoelectric sensor output variations using fuzzy logic. , 2014, , .		0
48	Studying the Effects of 2D and 3D Educational Contents on Memory Recall Using EEG Signals, PCA and Statistical Features. , 2014, , .		2
49	Discriminating the different human brain states with EEG signals using Fractal dimension: A nonlinear approach. , 2014, , .		6
50	Brain Behavior in Learning and Memory Recall Process: A High-Resolution EEG Analysis. IFMBE Proceedings, 2014, , 683-686.	0.2	22
51	Brain behavior during reasoning and problem solving task: An EEG study. , 2014, , .		4
52	EEG spectral analysis during complex cognitive task at occipital. , 2014, , .		10
53	Dynamics of Scalp Potential and Autonomic Nerve Activity during Intelligence Test. Lecture Notes in Computer Science, 2013, , 9-16.	1.0	10
54	EEG mean power and complexity analysis during complex mental task. , 2013, , .		18

#	Article	IF	Citations
55	Brain activation during cognitive tasks: An overview of EEG and fMRI studies. , 2012, , .		17