

Amin Hekmatmanesh

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

379
citations

933447

10
h-index

940533

16
g-index

21
all docs

21
docs citations

21
times ranked

428
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanocaged platforms: modification, drug delivery and nanotoxicity. Opening synthetic cages to release the tiger. <i>Nanoscale</i> , 2017, 9, 1356-1392.	5.6	122
2	A combination of CSP-based method with soft margin SVM classifier and generalized RBF kernel for imagery-based brain computer interface applications. <i>Multimedia Tools and Applications</i> , 2020, 79, 17521-17549.	3.9	34
3	Review of the State-of-the-Art of Brain-Controlled Vehicles. <i>IEEE Access</i> , 2021, 9, 110173-110193.	4.2	29
4	Neurosciences and Wireless Networks: The Potential of Brain-Type Communications and Their Applications. <i>IEEE Communications Surveys and Tutorials</i> , 2021, 23, 1599-1621.	39.4	23
5	EEG Control of a Bionic Hand With Imagination Based on Chaotic Approximation of Largest Lyapunov Exponent: A Single Trial BCI Application Study. <i>IEEE Access</i> , 2019, 7, 105041-105053.	4.2	22
6	Combination of discrete wavelet packet transform with detrended fluctuation analysis using customized mother wavelet with the aim of an imagery-motor control interface for an exoskeleton. <i>Multimedia Tools and Applications</i> , 2019, 78, 30503-30522.	3.9	17
7	K-complex identification in sleep EEG using MELM-GRBF classifier. , 2014, , .		16
8	Biosignals in Human Factors Research for Heavy Equipment Operators: A Review of Available Methods and Their Feasibility in Laboratory and Ambulatory Studies. <i>IEEE Access</i> , 2021, 9, 97466-97482.	4.2	16
9	Sleep Spindle Detection and Prediction Using a Mixture of Time Series and Chaotic Features. <i>Advances in Electrical and Electronic Engineering</i> , 2017, 15, .	0.3	16
10	Sleep spindle detection using modified extreme learning machine generalized radial basis function method. , 2014, , .		13
11	Common spatial pattern combined with kernel linear discriminate and generalized radial basis function for motor imagery-based brain computer interface applications. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	13
12	Optimized Mother Wavelet in a Combination of Wavelet Packet with Detrended Fluctuation Analysis for Controlling a Remote Vehicle with Imagery Movement: A Brain Computer Interface Study. <i>Mechanisms and Machine Science</i> , 2019, , 186-195.	0.5	11
13	Bedroom design orientation and sleep electroencephalography signals. <i>Acta Medica International</i> , 2019, 6, 33.	0.2	10
14	Imaginary Control of a Mobile Vehicle Using Deep Learning Algorithm: A Brain Computer Interface Study. <i>IEEE Access</i> , 2022, 10, 20043-20052.	4.2	9
15	Optimizing Largest Lyapunov Exponent Utilizing an Intelligent Water Drop algorithm: A Brain Computer Interface Study. , 2019, , .		8
16	Largest Lyapunov Exponent Optimization for Control of a Bionic-Hand: A Brain Computer Interface Study. <i>Frontiers in Rehabilitation Sciences</i> , 2022, 2, .	1.2	8
17	Real-Time Human Body and Brain Monitoring During Horseback Riding Simulator by Means of Inertial Motion Capture and EEG Systems. <i>IEEE Access</i> , 2020, 8, 162163-162171.	4.2	4
18	Electrophysiological processing of happiness during conscious and sub-conscious awareness in depression. <i>Neurology Psychiatry and Brain Research</i> , 2019, 33, 32-38.	2.0	3

#	ARTICLE	IF	CITATIONS
19	Providing Facilities in Health Care via Brain-Computer Interface and Internet of Things. , 2020, , .		3
20	Deformation modeling of manipulators for DEMO using artificial neural networks. Fusion Engineering and Design, 2019, 146, 2401-2406.	1.9	2
21	Novel Methods and Technologies for Assessing Usability of Off-Road Machines in R&D Phase - The Lutergo Laboratory. , 2021, , .		0