

# 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	Imaginary Control of a Mobile Vehicle Using Deep Learning Algorithm: A Brain Computer Interface Study. IEEE Access, 2022, 10, 20043-20052.	4.2	9
2	Largest Lyapunov Exponent Optimization for Control of a Bionic-Hand: A Brain Computer Interface Study. Frontiers in Rehabilitation Sciences, 2022, 2, .	1.2	8
3	Biosignals in Human Factors Research for Heavy Equipment Operators: A Review of Available Methods and Their Feasibility in Laboratory and Ambulatory Studies. IEEE Access, 2021, 9, 97466-97482.	4.2	16
4	Review of the State-of-the-Art of Brain-Controlled Vehicles. IEEE Access, 2021, 9, 110173-110193.	4.2	29
5	Neurosciences and Wireless Networks: The Potential of Brain-Type Communications and Their Applications. IEEE Communications Surveys and Tutorials, 2021, 23, 1599-1621.	39.4	23
6	Novel Methods and Technologies for Assessing Usability of Off-Road Machines in R&D Phase - The Lutergero Laboratory. , 2021, , .		0
7	Real-Time Human Body and Brain Monitoring During Horseback Riding Simulator by Means of Inertial Motion Capture and EEG Systems. IEEE Access, 2020, 8, 162163-162171.	4.2	4
8	A combination of CSP-based method with soft margin SVM classifier and generalized RBF kernel for imagery-based brain computer interface applications. Multimedia Tools and Applications, 2020, 79, 17521-17549.	3.9	34
9	Providing Facilities in Health Care via Brain-Computer Interface and Internet of Things. , 2020, , .		3
10	EEG Control of a Bionic Hand With Imagination Based on Chaotic Approximation of Largest Lyapunov Exponent: A Single Trial BCI Application Study. IEEE Access, 2019, 7, 105041-105053.	4.2	22
11	Optimizing Largest Lyapunov Exponent Utilizing an Intelligent Water Drop algorithm: A Brain Computer Interface Study. , 2019, , .		8
12	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. Multimedia Tools and Applications, 2019, 78, 30503-30522.	3.9	17
13	Electrophysiological processing of happiness during conscious and sub-conscious awareness in depression. Neurology Psychiatry and Brain Research, 2019, 33, 32-38.	2.0	3
14	Deformation modeling of manipulators for DEMO using artificial neural networks. Fusion Engineering and Design, 2019, 146, 2401-2406.	1.9	2
15	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. Mechanisms and Machine Science, 2019, , 186-195.	0.5	11
16	Bedroom design orientation and sleep electroencephalography signals. Acta Medica International, 2019, 6, 33.	0.2	10
17	Common spatial pattern combined with kernel linear discriminate and generalized radial basis function for motor imagery-based brain computer interface applications. AIP Conference Proceedings, 2018, , .	0.4	13
18	Nanocaged platforms: modification, drug delivery and nanotoxicity. Opening synthetic cages to release the tiger. Nanoscale, 2017, 9, 1356-1392.	5.6	122

#	ARTICLE	IF	CITATIONS
19	Sleep Spindle Detection and Prediction Using a Mixture of Time Series and Chaotic Features. Advances in Electrical and Electronic Engineering, 2017, 15, .	0.3	16
20	Sleep spindle detection using modified extreme learning machine generalized radial basis function method. , 2014, , .		13
21	K-complex identification in sleep EEG using MELM-GRBF classifier. , 2014, , .		16