Leonardo Duque MuÃ±oz

List of Publications by Year
in descending order

23 papers	981 citations	1478280 6 h-index	1199470 12 g-index
23 all docs	23 docs citations	23 times ranked	1145 citing authors

#	Article	IF	Citations
1	Students' Attention Monitoring System in Learning Environments based on Artificial Intelligence. IEEE Latin America Transactions, 2022, 20, 126-132.	1.2	6
2	Aplicación web para el análisis de emociones y atención de estudiantes. Tecno Lógicas, 2021, 24, e1821.	0.1	2
3	Data‐driven model optimization for optically pumped magnetometer sensor arrays. Human Brain Mapping, 2019, 40, 4357-4369.	1.9	16
4	Enhanced Data Covariance Estimation Using Weighted Combination of Multiple Gaussian Kernels for Improved M/EEG Source Localization. International Journal of Neural Systems, 2019, 29, 1950001.	3.2	7
5	Neuromuscular disease detection by neural networks and fuzzy entropy on time‐frequency analysis of electromyography signals. Expert Systems, 2018, 35, e12274.	2.9	24
6	Moving magnetoencephalography towards real-world applications with a wearable system. Nature, 2018, 555, 657-661.	13.7	795
7	Individual Finger Movement Recognition Based on sEMG and Classification Techniques. Lecture Notes in Computer Science, 2018, , 113-121.	1.0	0
8	Cognitive neuroscience using wearable magnetometer arrays: Non-invasive assessment of language function. NeuroImage, 2018, 181, 513-520.	2.1	56
9	Non-linear Covariance Estimation for Reconstructing Neural Activity with MEG/EEG Data. Lecture Notes in Computer Science, 2017, , 334-344.	1.0	2
10	Simplified EEG inverse solution for BCI real-time implementation. , 2016, 2016, 4051-4054.		0
11	Feature extraction schemes for BCI systems. , 2015, , .		18
12	EEG Rhythm Extraction Based on Relevance Analysis and Customized Wavelet Transform. Lecture Notes in Computer Science, 2015, , 419-428.	1.0	3
13	Optimización de manipulabilidad y consumo eléctrico mediante el Algoritmo Heurístico de Kalman en manipuladores seriales. Ingeniería Y Ciencia, 2015, 11, 51-71.	0.3	0
14	Walk and Jog Characterization Using a Triaxial Accelerometer. , 2015, , .		5
15	Fuzzy entropy relevance analysis in DWT and EMD for BCI motor imagery applications. Ingeniería, 2015, 20, .	0.1	5
16	Discrete wavelet transform and k-nn classification in EMG signals for diagnosis of neuromuscular disorders. , 2014, , .		12
17	Identification and monitoring of brain activity based on stochastic relevance analysis of short‐time EEG rhythms. BioMedical Engineering OnLine, 2014, 13, 123.	1.3	22
18	Characterization of EEG signals using wavelet transform for motor imagination tasks in BCI systems. , 2013, , .		4

#	Article	IF	Citations
19	Epilepsy activity detection based on optimized one-class classifiers. , 2013, , .		0
20	Epileptic Seizure Identification based on EEG Rhythm Decomposition. IFMBE Proceedings, 2013, , 363-366.	0.2	0
21	Stochastic relevance analysis of epileptic EEG signals for channel selection and classification. , 2013, 2013, 2104-7.		1
22	P300 analysis based on time frequency decomposition methods for adhd discrimination in child population. , 2012, , .		1
23	Discrimination of Epileptic Events Using EEG Rhythm Decomposition. Lecture Notes in Computer Science, 2011, , 436-444.	1.0	2