Jessica Cantillo-Negrete

List of Publications by Year
in descending order

23 papers	266 citations	1307366 7 h-index	996849 15 g-index
25 all docs	25 docs citations	25 times ranked	289 citing authors

#	Article	IF	Citations
1	Motor Imagery-Based Brain-Computer Interface Coupled to a Robotic Hand Orthosis Aimed for Neurorehabilitation of Stroke Patients. Journal of Healthcare Engineering, 2018, 2018, 1-10.	1.1	62
2	Longitudinal Analysis of Stroke Patientsâ€™ Brain Rhythms during an Intervention with a Brain-Computer Interface. Neural Plasticity, 2019, 2019, 1-11.	1.0	43
3	An IoT-Based Non-Invasive Glucose Level Monitoring System Using Raspberry Pi. Applied Sciences (Switzerland), 2019, 9, 3046.	1.3	28
4	An approach to improve the performance of subject-independent BCIs-based on motor imagery allocating subjects by gender. BioMedical Engineering OnLine, 2014, 13, 158.	1.3	27
5	Robotic orthosis compared to virtual hand for Brainâ€“Computer Interface feedback. Biocybernetics and Biomedical Engineering, 2019, 39, 263-272.	3.3	21
6	Brain-Computer Interface Coupled to a Robotic Hand Orthosis for Stroke Patientsâ€™ Neurorehabilitation: A Crossover Feasibility Study. Frontiers in Human Neuroscience, 2021, 15, 656975.	1.0	17
7	Brain-Computer Interface Controlled Functional Electrical Stimulation: Evaluation With Healthy Subjects and Spinal Cord Injury Patients. IEEE Access, 2022, 10, 46834-46852.	2.6	11
8	3D motion tracking of the shoulder joint with respect to the thorax using MARG sensors and data fusion algorithm. Biocybernetics and Biomedical Engineering, 2020, 40, 1205-1224.	3.3	9
9	Computer-aided diagnosis based on hand thermal, RGB images, and grip force using artificial intelligence as screening tool for rheumatoid arthritis in women. Medical and Biological Engineering and Computing, 2021, 59, 287-300.	1.6	8
10	Control signal for a mechatronic hand orthosis aimed for neurorehabilitation. , 2015, , .		7
11	Classification of motor imagery electroencephalography signals using spiking neurons with different input encoding strategies. Neural Computing and Applications, 2018, 30, 1289-1301.	3.2	7
12	Spiking Neural Networks Trained with Particle Swarm Optimization for Motor Imagery Classification. Lecture Notes in Computer Science, 2016, , 245-252.	1.0	4
13	Automatic selection and feature extraction of motor-evoked potentials by transcranial magnetic stimulation in stroke patients. Medical and Biological Engineering and Computing, 2021, 59, 449-456.	1.6	4
14	Prognosis of stroke upper limb recovery with physiological variables using regression tree ensembles. Journal of Neural Engineering, 2021, 18, 046057.	1.8	4
15	Module to present and identify motor imagery tasks in electroencephalography. , 2013, , .		2
16	Time-frequency analysis of EEG signals from healthy subjects allocated by gender for a subject-independent BCI-based on motor imagery. , 2013, , .		2
17	Brainâ€“computer interface performance analysis of monozygotic twins with discordant hand dominance: A case study. Laterality, 2020, 25, 513-536.	0.5	2
18	Automatic Recognition and Feature Extraction of Motor-Evoked Potentials Elicited by Transcranial Magnetic Stimulation. IFMBE Proceedings, 2020, , 1037-1042.	0.2	2

#	Article	IF	Citations
19	Mechanical structure prototype and control unit for an active orthosis for a human had. , 2014, , .		1
20	Dendrite Ellipsoidal Neuron Trained by Stochastic Gradient Descent for Motor Imagery Classification. Lecture Notes in Computer Science, 2019, , 80-88.	1.0	1
21	Brain-computer interface as complementary therapy for hemiparesis in an astrocytoma patient. Neurological Sciences, 2022, 43, 2879.	0.9	1
22	Movement-Related Electroencephalography in Stroke Patients Across a Brain-Computer Interface-Based Intervention. Communications in Computer and Information Science, 2022, , 215-224.	0.4	1
23	Computational method to measure vascular lesions in human brain digital images. , 2017, , .		0