Renan Cipriano Moioli

List of Publications by Year
in descending order

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		1307594	752698
34	662	7	20
papers	citations	h-index	g-index

35	35	35	875
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Long-Term Training with a Brain-Machine Interface-Based Gait Protocol Induces Partial Neurological Recovery in Paraplegic Patients. Scientific Reports, 2016, 6, 30383.	3.3	326
2	Assimilation of virtual legs and perception of floor texture by complete paraplegic patients receiving artificial tactile feedback. Scientific Reports, 2016, 6, 32293.	3.3	45
3	Robotic devices and brain-machine interfaces for hand rehabilitation post-stroke. Journal of Rehabilitation Medicine, 2017, 49, 449-460.	1.1	45
4	Artificial Homeostatic System: A Novel Approach. Lecture Notes in Computer Science, 2005, , 754-764.	1.3	33
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	Exploring the Kuramoto model of coupled oscillators in minimally cognitive evolutionary robotics tasks. , 2010, , .		20
7	Method for positioning and rehabilitation training with the ExoAtlet Â® powered exoskeleton. MethodsX, 2020, 7, 100849.	1.6	19
8	Homeostasis and evolution together dealing with novelties and managing disruptions. International Journal of Intelligent Computing and Cybernetics, 2009, 2, 435-454.	2.7	18
9	Towards the evolution of an artificial homeostatic system. , 2008, , .		17
10	A multiple hormone approach to the homeostatic control of conflicting behaviours in an autonomous mobile robot. , 2009, , .		14
11	Synchronisation effects on the behavioural performance and information dynamics of a simulated minimally cognitive robotic agent. Biological Cybernetics, 2012, 106, 407-427.	1.3	9
12	Neuronal Assemblies Evidence Distributed Interactions within a Tactile Discrimination Task in Rats. Frontiers in Neural Circuits, 2017, 11, 114.	2.8	9
13	Influence of Judo Experience on Neuroelectric Activity During a Selective Attention Task. Frontiers in Psychology, 2019, 10, 2838.	2.1	8
14	Neuro4PD: An Initial Neurorobotics Model of Parkinson's Disease. Frontiers in Neurorobotics, 2021, 15, 640449.	2.8	8
15	A Data-Driven Biophysical Computational Model of Parkinsonâ€™s Disease Based on Marmoset Monkeys. IEEE Access, 2021, 9, 122548-122567.	4.2	8
16	Cyborg Insects: Bug or a Feature?. IEEE Access, 2022, 10, 49398-49411.	4.2	8
17	Frequency-specific coupling in fronto-parieto-occipital cortical circuits underlie active tactile discrimination. Scientific Reports, 2019, 9, 5105.	3.3	7
18	Neurorobotic Models of Neurological Disorders: A Mini Review. Frontiers in Neurorobotics, 2021, 15, 634045.	2.8	7

#	Article	IF	Citations
19	Self-localisation in indoor environments combining learning and evolution with wireless networks. , 2014, , .		6
20	Interfacing Brains to Robotic Devicesâ€"A VRPN Communication Application. IFMBE Proceedings, 2019, , 597-603.	0.3	6
21	Neuronal Assembly Dynamics in Supervised and Unsupervised Learning Scenarios. Neural Computation, 2013, 25, 2934-2975.	2.2	5
22	Combining Soft Robotics and Brain-Machine Interfaces for Stroke Rehabilitation. Biosystems and Biorobotics, 2017, , 1257-1262.	0.3	4
23	Unveiling Parkinsonâ€™s Disease Features from a Primate Model with Deep Neural Networks. , 2020, , .		3
24	Noninvasive Detection of Appliance Utilization Patterns in Residential Electricity Demand. Energies, 2021, 14, 1563.	3.1	3
25	Providing Facilities in Health Care via Brain-Computer Interface and Internet of Things. , 2020, , .		3
26	Evaluation of Frequency-Dependent Effects of Deep Brain Stimulation in a Cortex-Basal Ganglia-Thalamus Network Model of Parkinsonâ€™s Disease*. , 2020, 2020, 3638-3641.		2
27	The Dynamics of a Neural Network of Coupled Phase Oscillators with Synaptic Plasticity Controlling a Minimally Cognitive Agent. Lecture Notes in Computer Science, 2010, , 245-255.	1.3	2
28	Limitations of principal component analysis as a method to detect neuronal assemblies. , 2014, , .		1
29	Neural decoding with SVM and feature selection in a rat active tactile discrimination task. , 2018, , .		1
30	Predicting Epileptic Seizures: Case Studies Harnessing Machine Learning. , 2020, , .		1
31	A method for creating interactive, user-resembling avatars. PeerJ Computer Science, 0, 3, e128.	4.5	1
32	Real time neural signal processing and visuo-motor integration: New perspectives for assistive technology. , 2014, , .		0
33	Characterization of Auditory Evoked Potential for Different Tones in Marmoset Primary Auditory Cortex. IFMBE Proceedings, 2019, , 95-101.	0.3	0
34	The Shared Use of Extended Phenotypes Increases the Fitness of Simulated Populations. Frontiers in Genetics, 2021, 12, 617915.	2.3	0