

Bruno Direito

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

578
citations

933447

10
h-index

677142

22
g-index

40
all docs

40
docs citations

40
times ranked

640
citing authors

#	ARTICLE	IF	CITATIONS
1	Epileptic seizure predictors based on computational intelligence techniques: A comparative study with 278 patients. <i>Computer Methods and Programs in Biomedicine</i> , 2014, 114, 324-336.	4.7	103
2	EPILAB: A software package for studies on the prediction of epileptic seizures. <i>Journal of Neuroscience Methods</i> , 2011, 200, 257-271.	2.5	78
3	A Realistic Seizure Prediction Study Based on Multiclass SVM. <i>International Journal of Neural Systems</i> , 2017, 27, 1750006.	5.2	77
4	Modeling epileptic brain states using EEG spectral analysis and topographic mapping. <i>Journal of Neuroscience Methods</i> , 2012, 210, 220-229.	2.5	44
5	To Perceive or Not Perceive: The Role of Gamma-band Activity in Signaling Object Percepts. <i>PLoS ONE</i> , 2013, 8, e66363.	2.5	33
6	BCIAUT-P300: A Multi-Session and Multi-Subject Benchmark Dataset on Autism for P300-Based Brain-Computer-Interfaces. <i>Frontiers in Neuroscience</i> , 2020, 14, 568104.	2.8	32
7	Epileptic Seizure Classification Using Neural Networks with 14 Features. <i>Lecture Notes in Computer Science</i> , 2008, , 281-288.	1.3	25
8	Targeting dynamic facial processing mechanisms in superior temporal sulcus using a novel fMRI neurofeedback target. <i>Neuroscience</i> , 2019, 406, 97-108.	2.3	23
9	Feature selection in high dimensional EEG features spaces for epileptic seizure prediction. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011, 44, 6206-6211.	0.4	18
10	Output regularization of SVM seizure predictors: Kalman Filter versus the “Firing Power” method. , 2012, 2012, 6530-3.		18
11	Self-Modulation of Premotor Cortex Interhemispheric Connectivity in a Real-Time Functional Magnetic Resonance Imaging Neurofeedback Study Using an Adaptive Approach. <i>Brain Connectivity</i> , 2019, 9, 662-672.	1.7	15
12	Combining Energy and Wavelet Transform for Epileptic Seizure Prediction in an Advanced Computational System. , 2008, , .		13
13	Optimized feature subsets for epileptic seizure prediction studies. , 2011, 2011, 1636-9.		13
14	Training the social brain: Clinical and neural effects of an 8-week real-time functional magnetic resonance imaging neurofeedback Phase IIa Clinical Trial in Autism. <i>Autism</i> , 2021, 25, 1746-1760.	4.1	13
15	Control of Brain Activity in hMT+/V5 at Three Response Levels Using fMRI-Based Neurofeedback/BCI. <i>PLoS ONE</i> , 2016, 11, e0155961.	2.5	11
16	Brainatic: A System for Real-Time Epileptic Seizure Prediction. <i>Biosystems and Biorobotics</i> , 2014, , 7-17.	0.3	10
17	How much of the BOLD-fMRI signal can be approximated from simultaneous EEG data: relevance for the transfer and dissemination of neurofeedback interventions. <i>Journal of Neural Engineering</i> , 2020, 17, 046007.	3.5	7
18	Epileptic seizure prediction based on a bivariate spectral power methodology. , 2012, 2012, 5943-6.		6

#	ARTICLE	IF	CITATIONS
19	Volitional Modulation of the Left DLPFC Neural Activity Based on a Pain Empathy Paradigm – A Potential Novel Therapeutic Target for Pain. <i>Frontiers in Neurology</i> , 2020, 11, 714.	2.4	6
20	Towards Personalized Neural Networks for Epileptic Seizure Prediction. <i>Lecture Notes in Computer Science</i> , 2008, , 479-487.	1.3	5
21	Automatic warning of epileptic seizures by SVM: the long road ahead to success. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014, 47, 1158-1163.	0.4	5
22	A computational environment for long-term multi-feature and multi-algorithm seizure prediction. , 2010, 2010, 6341-4.		4
23	Feature analysis for correlation studies of simultaneous EEG-fMRI data: A proof of concept for neurofeedback approaches. , 2015, 2015, 4065-8.		4
24	The boundaries of state-space Granger causality analysis applied to BOLD simulated data: A comparative modelling and simulation approach. <i>Journal of Neuroscience Methods</i> , 2020, 341, 108758.	2.5	3
25	Inner Speech in Portuguese: Acquisition Methods, Database and First Results. <i>Lecture Notes in Computer Science</i> , 2018, , 438-447.	1.3	2
26	Directly Exploring the Neural Correlates of Feedback-Related Reward Saliency and Valence During Real-Time fMRI-Based Neurofeedback. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 578119.	2.0	2
27	An Application for Electroencephalogram Mining for Epileptic Seizure Prediction. <i>Lecture Notes in Computer Science</i> , 2008, , 87-101.	1.3	2
28	Epileptic Seizure Prediction and the Dimensionality Reduction Problem. <i>Lecture Notes in Computer Science</i> , 2009, , 1-9.	1.3	2
29	Space time frequency (STF) code tensor for the characterization of the epileptic preictal stage. , 2012, 2012, 621-4.		1
30	Functional Mapping of Inner Speech Areas: A Preliminary Study with Portuguese Speakers. <i>Lecture Notes in Computer Science</i> , 2018, , 166-176.	1.3	1
31	Optimization of a Motor Imagery Paradigm for Self-modulation of Bilateral Premotor Interhemispheric Functional Connectivity in fMRI Neurofeedback. <i>IFMBE Proceedings</i> , 2020, , 1743-1751.	0.3	1
32	Classification of Epileptic EEG Data Using Multidimensional Scaling. , 2008, , .		0
33	On the benefits of classical multidimensional scaling in Epileptic seizure prediction studies. , 2011, , .		0
34	Real-time epileptic seizure prediction at Centro Hospitalar e Universit#x00E1;rio de Coimbra. , 2013, , .		0
35	Brain connectivity analysis for real-time fMRI neurofeedback experiments. , 2017, , .		0
36	Correlated alpha activity with the facial expression processing network in a simultaneous EEG-fMRI experiment. , 2017, 2017, 2562-2565.		0

#	ARTICLE	IF	CITATIONS
37	Spatial Dynamics of the Topographic Representation of Electroencephalogram Spectral Features during General Anesthesia. IFMBE Proceedings, 2014, , 519-522.	0.3	0
38	Influence of Circadian Rhythms on Epileptic Seizure Predictors Based on Machine Learning Methods. IFMBE Proceedings, 2014, , 323-326.	0.3	0