Carmen Vidaurre

List of Publications by Year
in descending order

56 papers	3,747 citations	257101 24 h-index	276539 41 g-index
57 all docs	57 docs citations	57 times ranked	3020 citing authors

#	Article	IF	Citations
1	Oscillatory Source Tensor Discriminant Analysis (OSTDA): A regularized tensor pipeline for SSVEP-based BCI systems. Neurocomputing, 2022, 492, 664-675.	3.5	3
2	Immediate brain plasticity after one hour of brainâ€“computer interface (BCI). Journal of Physiology, 2021, 599, 2435-2451.	1.3	50
3	Optimizing a Weighted Moderate Deviation for Motor Imagery Brain Computer Interfaces. , 2021, , .		0
4	Improving motor imagery classification during induced motor perturbations. Journal of Neural Engineering, 2021, 18, 0460b1.	1.8	13
5	Intermuscular coherence between homologous muscles during dynamic and static movement periods of bipedal squatting. Journal of Neurophysiology, 2020, 124, 1045-1055.	0.9	9
6	Sensorimotor Functional Connectivity: A Neurophysiological Factor Related to BCI Performance. Frontiers in Neuroscience, 2020, 14, 575081.	1.4	21
7	Corticomuscular interactions during different movement periods in a multi-joint compound movement. Scientific Reports, 2020, 10, 5021.	1.6	18
8	A Fast SSVEP-Based Brain-Computer Interface. Lecture Notes in Computer Science, 2020, , 49-60.	1.0	0
9	Canonical maximization of coherence: A novel tool for investigation of neuronal interactions between two datasets. NeuroImage, 2019, 201, 116009.	2.1	14
10	A large scale screening study with a SMR-based BCI: Categorization of BCI users and differences in their SMR activity. PLoS ONE, 2019, 14, e0207351.	1.1	71
11	Enhancing sensorimotor BCI performance with assistive afferent activity: An online evaluation. NeuroImage, 2019, 199, 375-386.	2.1	30
12	EEG-based Endogenous Online Co-Adaptive Brain-Computer Interfaces: Strategy for Success?. , 2018, , .		7
13	Motor imagery based brainâ€“computer interfaces. , 2018, , 171-195.		16
14	A mathematical model for the two-learners problem. Journal of Neural Engineering, 2017, 14, 036005.	1.8	45
15	Ensembles of adaptive spatial filters increase BCI performance: an online evaluation. Journal of Neural Engineering, 2016, 13, 046003.	1.8	45
16	EEG-based BCI for the linear control of an upper-limb neuroprosthesis. Medical Engineering and Physics, 2016, 38, 1195-1204.	0.8	48
17	Large-Scale Assessment of a Fully Automatic Co-Adaptive Motor Imagery-Based Brain Computer Interface. PLoS ONE, 2016, 11, e0148886.	1.1	45
18	Machine Learning Methods of the Berlin Brain-Computer Interface. IFAC-PapersOnLine, 2015, 48, 447-452.	0.5	4

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19	Towards a holistic assessment of the user experience with hybrid BCIs. Journal of Neural Engineering, 2014, 11, 035007.	1.8	43
20	Robust Common Spatial Filters with a Maxmin Approach. Neural Computation, 2014, 26, 349-376.	1.3	32
21	MUNDUS project: MUltimodal Neuroprosthesis for daily Upper limb Support. Journal of NeuroEngineering and Rehabilitation, 2013, 10, 66.	2.4	115
22	Neuromuscular electrical stimulation induced brain patterns to decode motor imagery. Clinical Neurophysiology, 2013, 124, 1824-1834.	0.7	27
23	Decoding cognitive brain states. , 2013, , .		1
24	First study towards linear control of an upper-limb neuroprosthesis with an EEG-based Brain-Computer Interface. , 2012, 2012, 3269-73.		5
25	Brain-computer interfacing in discriminative and stationary subspaces. , 2012, 2012, 2873-6.		16
26	Common Spatial Pattern Patches: Online evaluation on BCI-naive users. , 2012, 2012, 4744-7.		9
27	Stationary common spatial patterns for brainâ€“computer interfacing. Journal of Neural Engineering, 2012, 9, 026013.	1.8	176
28	Autocalibration and Recurrent Adaptation: Towards a Plug and Play Online ERD-BCI. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2012, 20, 313-319.	2.7	130
29	Review of the BCI Competition IV. Frontiers in Neuroscience, 2012, 6, 55.	1.4	686
30	Afferent and efferent activity control in the design of brain computer interfaces for motor rehabilitation. , 2011, 2011, 7310-5.		14
31	Machine-Learning-Based Coadaptive Calibration for Brain-Computer Interfaces. Neural Computation, 2011, 23, 791-816.	1.3	175
32	Co-adaptive calibration to improve BCI efficiency. Journal of Neural Engineering, 2011, 8, 025009.	1.8	143
33	Stationary Common Spatial Patterns: Towards robust classification of non-stationary EEG signals. , 2011, , .		15
34	Classifying motor imagery with FES induced EEG patterns. Neuroscience Letters, 2011, 500, e48.	1.0	1
35	A comparison of univariate, vector, bilinear autoregressive, and band power features for brainâ€“computer interfaces. Medical and Biological Engineering and Computing, 2011, 49, 1337-1346.	1.6	36
36	BioSig: The Free and Open Source Software Library for Biomedical Signal Processing. Computational Intelligence and Neuroscience, 2011, 2011, 1-12.	1.1	161

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37	CSP patches: an ensemble of optimized spatial filters. An evaluation study. Journal of Neural Engineering, 2011, 8, 025012.	1.8	41
38	Improving Classification Performance of BCIs by Using Stationary Common Spatial Patterns and Unsupervised Bias Adaptation. Lecture Notes in Computer Science, 2011, , 34-41.	1.0	4
39	Modelling Non-stationarities in EEG Data with Robust Principal Component Analysis. Lecture Notes in Computer Science, 2011, , 51-58.	1.0	3
40	Towards a Cure for BCI Illiteracy. Brain Topography, 2010, 23, 194-198.	0.8	389
41	The Berlin Brainâ€“Computer Interface: Non-Medical Uses of BCI Technology. Frontiers in Neuroscience, 2010, 4, 198.	1.4	277
42	Common spatial pattern patches - An optimized filter ensemble for adaptive brain-computer interfaces. , 2010, 2010, 4351-4.		15
43	Machine-Learning Based Co-adaptive Calibration: A Perspective to Fight BCI Illiteracy. Lecture Notes in Computer Science, 2010, , 413-420.	1.0	12
44	Towards a cure for BCI illiteracy: machine learning based co-adaptive learning. BMC Neuroscience, 2009, 10, .	0.8	16
45	Time Domain Parameters as a feature for EEG-based Brainâ€“Computer Interfaces. Neural Networks, 2009, 22, 1313-1319.	3.3	353
46	A Maxmin Approach to Optimize Spatial Filters for EEG Single-Trial Classification. Lecture Notes in Computer Science, 2009, , 674-682.	1.0	7
47	Robust common spatial filters with a maxmin approach. , 2009, 2009, 2470-3.		9
48	Adaptive Methods in BCI Research - An Introductory Tutorial. The Frontiers Collection, 2009, , 331-355.	0.1	24
49	Detecting Mental States by Machine Learning Techniques: The Berlin Brainâ€“Computer Interface. The Frontiers Collection, 2009, , 113-135.	0.1	5
50	Comparison of adaptive features with linear discriminant classifier for Brain computer Interfaces. , 2008, 2008, 173-6.		10
51	Frequency-Specific Coupling in the Cortico-Cerebellar Auditory System. Journal of Neurophysiology, 2008, 100, 1699-1705.	0.9	28
52	Study of On-Line Adaptive Discriminant Analysis for EEG-Based Brain Computer Interfaces. IEEE Transactions on Biomedical Engineering, 2007, 54, 550-556.	2.5	128
53	Study of discriminant analysis applied to motor imagery bipolar data. Medical and Biological Engineering and Computing, 2007, 45, 61-68.	1.6	35
54	A Fully On-Line Adaptive BCI. IEEE Transactions on Biomedical Engineering, 2006, 53, 1214-1219.	2.5	167

#	Article	IF	Citations
55	Brain-Computer Interfaces and Visual Activity. , 0, , 1549-1570.		0
56	Brain-Computer Interfaces and Visual Activity. , 0, , 153-174.		0