Moritz Grosse-Wentrup

List of Publications by Year
in descending order

27	1,409	706676 14	889612 19
papers	citations	h-index	g-index

27	27	27	2085
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Predicting motor behavior: an efficient EEG signal processing pipeline to detect brain states with potential therapeutic relevance for VR-based neurorehabilitation. Virtual Reality, 2023, 27, 347-369.	4.1	9
2	Workshops of the eighth international brainâ€“computer interface meeting: BCIs: the next frontier. Brain-Computer Interfaces, 2022, 9, 69-101.	0.9	4
3	General Pitfalls ofÂModel-Agnostic Interpretation Methods forÂMachine Learning Models. Lecture Notes in Computer Science, 2022, , 39-68.	1.0	32
4	MYND. , 2020, , .		1
5	The Elusive Goal of BCI-based Communication with CLIS-ALS Patients. , 2019, , .		5
6	Electrophysiological correlates of neurodegeneration in motor and non-motor brain regions in amyotrophic lateral sclerosisâ€”implications for brainâ€“computer interfacing. Journal of Neural Engineering, 2018, 15, 041003.	1.8	14
7	Electroencephalographic identifiers of motor adaptation learning. Journal of Neural Engineering, 2017, 14, 046027.	1.8	18
8	Personalized brain-computer interface models for motor rehabilitation. , 2017, , .		5
9	Recovery of non-linear cause-effect relationships from linearly mixed neuroimaging data. , 2016, , .		2
10	Resting-state EEG correlates of motor learning performance in a force-field adaptation task. , 2016, , .		1
11	Multi-task logistic regression in brain-computer interfaces. , 2016, , .		5
12	MERLiN: Mixture Effect Recovery in Linear Networks. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 1254-1266.	7.3	4
13	Transfer Learning in Brain-Computer Interfaces AbstractuFFFDThe performance of brain-computer interfaces (BCIs) improves with the amount of avail. IEEE Computational Intelligence Magazine, 2016, 11, 20-31.	3.4	297
14	Identification of causal relations in neuroimaging data with latent confounders: An instrumental variable approach. NeuroImage, 2016, 125, 825-833.	2.1	30
15	Causal interpretation rules for encoding and decoding models in neuroimaging. NeuroImage, 2015, 110, 48-59.	2.1	84
16	Crowdsourced analysis of clinical trial data to predict amyotrophic lateral sclerosis progression. Nature Biotechnology, 2015, 33, 51-57.	9.4	178
17	A brainâ€“computer interface based on self-regulation of gamma-oscillations in the superior parietal cortex. Journal of Neural Engineering, 2014, 11, 056015.	1.8	28
18	Causal and anti-causal learning in pattern recognition for neuroimaging. , 2014, , .		13

#	Article	IF	Citations
19	Predicting motor learning performance from Electroencephalographic data. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 24.	2.4	19
20	How to Test the Quality of Reconstructed Sources in Independent Component Analysis (ICA) of EEG/MEG Data. , 2013, , .		4
21	A Review of Performance Variations in SMR-Based Brainâ˜Computer Interfaces (BCIs). Springer Briefs in Electrical and Computer Engineering, 2013, , 39-51.	0.3	32
22	High gamma-power predicts performance in sensorimotor-rhythm brainâ€“computer interfaces. Journal of Neural Engineering, 2012, 9, 046001.	1.8	68
23	Causal influence of gamma oscillations on the sensorimotor rhythm. NeuroImage, 2011, 56, 837-842.	2.1	101
24	Multisubject Learning for Common Spatial Patterns in Motor-Imagery BCI. Computational Intelligence and Neuroscience, 2011, 2011, 1-9.	1.1	81
25	Biased feedback in brain-computer interfaces. Journal of NeuroEngineering and Rehabilitation, 2010, 7, 34.	2.4	76
26	Multiclass Common Spatial Patterns and Information Theoretic Feature Extraction. IEEE Transactions on Biomedical Engineering, 2008, 55, 1991-2000.	2.5	295
27	Overcomplete Independent Component Analysis via Linearly Constrained Minimum Variance Spatial Filtering. Journal of Signal Processing Systems, 2007, 48, 161-171.	1.0	3