

Benjamin Wittevrongel

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

341
citations

933410

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888047

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25
all docs

25
docs citations

25
times ranked

378
citing authors

#	ARTICLE	IF	CITATIONS
1	Frequency- and Phase Encoded SSVEP Using Spatiotemporal Beamforming. PLoS ONE, 2016, 11, e0159988.	2.5	47
2	Code-modulated visual evoked potentials using fast stimulus presentation and spatiotemporal beamformer decoding. Scientific Reports, 2017, 7, 15037.	3.3	43
3	Back training and transfer effects revealed by behavioral responses and EEG. Brain and Behavior, 2018, 8, e01136.	2.2	42
4	Faster P300 Classifier Training Using Spatiotemporal Beamforming. International Journal of Neural Systems, 2016, 26, 1650014.	5.2	35
5	Localization of deep brain activity with scalp and subdural EEG. NeuroImage, 2020, 223, 117344.	4.2	32
6	Spatiotemporal Beamforming: A Transparent and Unified Decoding Approach to Synchronous Visual Brain-Computer Interfacing. Frontiers in Neuroscience, 2017, 11, 630.	2.8	26
7	Representation of steady-state visual evoked potentials elicited by luminance flicker in human occipital cortex: An electrocorticography study. NeuroImage, 2018, 175, 315-326.	4.2	24
8	Mental workload of young and older adults gauged with ERPs and spectral power during N-Back task performance. Biological Psychology, 2019, 146, 107726.	2.2	22
9	Decoding Steady-State Visual Evoked Potentials From Electrocorticography. Frontiers in Neuroinformatics, 2018, 12, 65.	2.5	18
10	Practical real-time MEG-based neural interfacing with optically pumped magnetometers. BMC Biology, 2021, 19, 158.	3.8	14
11	Accurate Decoding of Short, Phase-Encoded SSVEPs. Sensors, 2018, 18, 794.	3.8	7
12	Hierarchical online SSVEP spelling achieved with spatiotemporal beamforming. , 2016, , .		6
13	High-gamma oscillations precede visual steady-state responses: A human electrocorticography study. Human Brain Mapping, 2020, 41, 5341-5355.	3.6	6
14	Semantic and perceptual priming activate partially overlapping brain networks as revealed by direct cortical recordings in humans. NeuroImage, 2019, 203, 116204.	4.2	4
15	Mutual Information-Based Electrode Selection Extended With Prior Knowledge For Use in Brain-Computer Interfacing. , 2018, , .		3
16	Effect of stimulus direction on motion-onset visual evoked potentials decoded using spatiotemporal beamforming Abstract. , 2021, , .		3
17	Electrophysiological Proxy of Cognitive Reserve Index. Frontiers in Human Neuroscience, 2021, 15, 690856.	2.0	3
18	Phase-Spatial Beamforming Renders a Visual Brain Computer Interface Capable of Exploiting EEG Electrode Phase Shifts in Motion-Onset Target Responses. IEEE Transactions on Biomedical Engineering, 2022, 69, 1802-1812.	4.2	2

#	ARTICLE	IF	CITATIONS
19	Classification of Event-Related Potentials with Regularized Spatiotemporal LCMV Beamforming. Applied Sciences (Switzerland), 2022, 12, 2918.	2.5	2
20	Event Related Potential Study of Language Interaction in Bilingual Aphasia Patients. Frontiers in Human Neuroscience, 2018, 12, 81.	2.0	1
21	Analytic beamformer transformation for transfer learning in motion-onset visual evoked potential decoding. Journal of Neural Engineering, 2022, , .	3.5	1
22	Monitoring temporal dynamics of steady-state visual evoked potentials. , 2019, , .		0
23	Comparing Measures of Active and Passive Field Spread between non-, partially, and fully invasive human brain recordings. Frontiers in Neuroscience, 0, 12, .	2.8	0
24	Towards asynchronous speech decoding. Frontiers in Neuroscience, 0, 12, .	2.8	0