Josef Faller

List of Publications by Year in descending order

32 papers	1,241 citations	516710 16 h-index	642732 23 g-index
34 all docs	34 docs citations	34 times ranked	1341 citing authors

#	Article	IF	Citations
1	On the control of brain-computer interfaces by users with cerebral palsy. Clinical Neurophysiology, 2013, 124, 1787-1797.	1.5	133
2	Compact convolutional neural networks for classification of asynchronous steady-state visual evoked potentials. Journal of Neural Engineering, 2018, 15, 066031.	3.5	131
3	Autocalibration and Recurrent Adaptation: Towards a Plug and Play Online ERD-BCI. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2012, 20, 313-319.	4.9	130
4	Regulation of arousal via online neurofeedback improves human performance in a demanding sensory-motor task. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6482-6490.	7.1	86
5	Random forests in non-invasive sensorimotor rhythm brain-computer interfaces: a practical and convenient non-linear classifier. Biomedizinische Technik, 2016, 61, 77-86.	0.8	84
6	An Application Framework for Controlling an Avatar in a Desktop-Based Virtual Environment via a Software SSVEP Brainâ€“Computer Interface. Presence: Teleoperators and Virtual Environments, 2010, 19, 25-34.	0.6	69
7	Combining BCI with Virtual Reality: Towards New Applications and Improved BCI. Biological and Medical Physics Series, 2012, , 197-220.	0.4	69
8	What does clean EEG look like?. , 2012, 2012, 3963-6.		47
9	Control or non-control state: that is the question! An asynchronous visual P300-based BCI approach. Journal of Neural Engineering, 2015, 12, 014001.	3.5	46
10	Brain-controlled applications using dynamic P300 speller matrices. Artificial Intelligence in Medicine, 2015, 63, 7-17.	6.5	46
11	Brainâ€“computer interfacing: more than the sum of its parts. Soft Computing, 2013, 17, 317-331.	3.6	45
12	Individually Adapted Imagery Improves Brain-Computer Interface Performance in End-Users with Disability. PLoS ONE, 2015, 10, e0123727.	2.5	45
13	Electroencephalography Based Analysis of Working Memory Load and Affective Valence in an N-back Task with Emotional Stimuli. Frontiers in Human Neuroscience, 2017, 11, 616.	2.0	43
14	A Co-Adaptive Brain-Computer Interface for End Users with Severe Motor Impairment. PLoS ONE, 2014, 9, e101168.	2.5	40
15	Evaluation of Different EEG Acquisition Systems Concerning Their Suitability for Building a Brainâ€“Computer Interface: Case Studies. Frontiers in Neuroscience, 2016, 10, 441.	2.8	40
16	Non motor tasks improve adaptive brain-computer interface performance in users with severe motor impairment. Frontiers in Neuroscience, 2014, 8, 320.	2.8	25
17	Unsupervised adaptive transfer learning for Steady-State Visual Evoked Potential brain-computer interfaces. , 2016, , .		24
18	A co-adaptive sensory motor rhythms Brain-Computer Interface based on common spatial patterns and Random Forest. , 2015, 2015, 1049-52.		21

#	Article	IF	Citations
19	Exploration of the neural correlates of cerebral palsy for sensorimotor BCI control. Frontiers in Neuroengineering, 2014, 7, 20.	4.8	20
20	Ballistocardiogram Artifact Reduction in Simultaneous EEG-fMRI Using Deep Learning. IEEE Transactions on Biomedical Engineering, 2021, 68, 78-89.	4.2	17
21	Context-Awareness as an Enhancement of Brain-Computer Interfaces. Lecture Notes in Computer Science, 2011, , 216-223.	1.3	14
22	Daily prefrontal closed-loop repetitive transcranial magnetic stimulation (rTMS) produces progressive EEG quasi-alpha phase entrainment in depressed adults. Brain Stimulation, 2022, 15, 458-471.	1.6	14
23	Cortically Coupled Computing: A New Paradigm for Synergistic Human-Machine Interaction. Computer, 2016, 49, 60-68.	1.1	12
24	Context Sensitivity of EEG-based Workload Classification under different Affective Valence. IEEE Transactions on Affective Computing, 2017, , 1-1.	8.3	11
25	EEG-based Endogenous Online Co-Adaptive Brain-Computer Interfaces: Strategy for Success?. , 2018, , .		7
26	Affective Aspects of Perceived Loss of Control and Potential Implications for Brain-Computer Interfaces. Frontiers in Human Neuroscience, 2017, 11, 370.	2.0	6
27	Write, read and answer emails with a dry ‘n’ wireless brain-computer interface system. , 2014, 2014, 1286-9.		5
28	Bring mental activity into action! An enhanced online co-adaptive brain-computer interface training protocol. , 2015, 2015, 2323-6.		3
29	Investigating Evoked EEG Responses to Targets Presented in Virtual Reality. , 2019, 2019, 5536-5539.		3
30	Adaptive hybrid brain-computer interaction: Ask a trainer for assistance!. , 2014, 2014, 1493-6.		2
31	Spatiospectral brain networks reflective of improvisational experience. NeuroImage, 2021, 242, 118458.	4.2	1
32	Broad band time-varying estimation of event-related synchronization for user-independent configuration of a brain switch. , 2013, , .		0