David Steyrl

List of Publications by Year
in descending order

29 papers	490 citations	758635 12 h-index	752256 20 g-index
37 all docs	37 docs citations	37 times ranked	587 citing authors

#	Article	IF	Citations
1	Random forests in non-invasive sensorimotor rhythm brain-computer interfaces: a practical and convenient non-linear classifier. Biomedizinische Technik, 2016, 61, 77-86.	0.9	84
2	Cooperation in mind: Motor imagery of joint and single actions is represented in different brain areas. Brain and Cognition, 2016, 109, 19-25.	0.8	60
3	Short time sports exercise boosts motor imagery patterns: implications of mental practice in rehabilitation programs. Frontiers in Human Neuroscience, 2014, 8, 469.	1.0	41
4	Predicting fear and perceived health during the COVID-19 pandemic using machine learning: A cross-national longitudinal study. PLoS ONE, 2021, 16, e0247997.	1.1	36
5	Reference layer adaptive filtering (RLAF) for EEG artifact reduction in simultaneous EEG-fMRI. Journal of Neural Engineering, 2017, 14, 026003.	1.8	29
6	Single trial classification of fNIRS-based brain-computer interface mental arithmetic data: A comparison between different classifiers. , 2014, 2014, 2004-7.		24
7	Predictors of real-time fMRI neurofeedback performance and improvement â€" A machine learning mega-analysis. NeuroImage, 2021, 237, 118207.	2.1	22
8	A co-adaptive sensory motor rhythms Brain-Computer Interface based on common spatial patterns and Random Forest. , 2015, 2015, 1049-52.		21
9	Cybathlon experiences of the Graz BCI racing team Mirage91 in the brain-computer interface discipline. Journal of NeuroEngineering and Rehabilitation, 2017, 14, 129.	2.4	18
10	Action affordances and visuo-spatial complexity in motor imagery: An fMRI study. Brain and Cognition, 2018, 124, 37-46.	0.8	18
11	Securing Your Relationship: Quality of Intimate Relationships During the COVID-19 Pandemic Can Be Predicted by Attachment Style. Frontiers in Psychology, 2021, 12, 647956.	1.1	18
12	On Similarities and Differences of Invasive and Non-Invasive Electrical Brain Signals in Brain-Computer Interfacing. Journal of Biomedical Science and Engineering, 2016, 09, 393-398.	0.2	18
13	Online Reduction of Artifacts in EEG of Simultaneous EEG-fMRI Using Reference Layer Adaptive Filtering (RLAF). Brain Topography, 2018, 31, 129-149.	0.8	13
14	Artifacts in EEG of simultaneous EEG-fMRI: pulse artifact remainders in the gradient artifact template are a source of artifact residuals after average artifact subtraction. Journal of Neural Engineering, 2019, 16, 016011.	1.8	13
15	Emotion Regulation Modulates Dietary Decision-Making via Activity in the Prefrontalâ€"Striatal Valuation System. Cerebral Cortex, 2020, 30, 5731-5749.	1.6	13
16	Differential mechanisms of posterior cingulate cortex downregulation and symptom decreases in posttraumatic stress disorder and healthy individuals using realâ€time fMRI neurofeedback. Brain and Behavior, 2022, 12, e2441.	1.0	10
17	Random Forests for Feature Selection in Non-invasive Brain-Computer Interfacing. Lecture Notes in Computer Science, 2013, , 207-216.	1.0	8
18	Brain-computer interface adaptation for an end user to compete in the Cybathlon. , 2016, , .		7

#	Article	IF	Citations
19	Progressive modulation of resting-state brain activity during neurofeedback of positive-social emotion regulation networks. Scientific Reports, 2021, 11, 23363.	1.6	7
20	Neurodevelopmental Outcome of Extremely Low Birth Weight Infants with Cholestasis at 12 and 24 Months. Neonatology, 2022, 119, 501-509.	0.9	5
21	Single Trial Motor Imagery Classification in EEG Measured During FMRI Image Acquisition - A First Glance. Biomedizinische Technik, 2013, 58 Suppl 1, .	0.9	3
22	Bring mental activity into action! An enhanced online co-adaptive brain-computer interface training protocol. , 2015, 2015, 2323-6.		3
23	Dangers and Strangers: Pathogenic threat, fear, and perceived vulnerability do not predict ethnocentric orientations during the COVID-19 pandemic in Europe. Human Ethology Bulletin, 2021, 36, 125-137.	0.1	3
24	Adaptive hybrid brain-computer interaction: Ask a trainer for assistance!. , 2014, 2014, 1493-6.		2
25	Reduction of EEG artifacts in simultaneous EEG-fMRI: Reference layer adaptive filtering (RLAF). , 2015, 2015, 3803-6.		2
26	Contributions of diagnostic, cognitive, and somatovisceral information to the prediction of fear ratings in spider phobic and non-spider-fearful individuals. Journal of Affective Disorders, 2021, 294, 296-304.	2.0	1
27	Machine Learning Mega-Analysis Applied to the Response Time Concealed Information Test: No Evidence for Advantage of Model-Based Predictors Over Baseline. Collabra: Psychology, 2022, 8, .	0.9	1
28	Editorial: Long Term User Training and Preparation to Succeed in a Closed-Loop BCI Competition. Frontiers in Human Neuroscience, 2022, 16, 869700.	1.0	1
29	Food insecurity, hoarding behavior, and environmental harshness do not predict weight changes during the COVID-19 pandemic. Human Ethology Bulletin, 2020, 35, 122-136.	0.1	0