Christa Neuper

List of Publications by Year
in descending order

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38 papers	2,743 citations	331670 21 h-index	315739 38 g-index
39 all docs	39 docs citations	39 times ranked	3276 citing authors

#	Article	IF	Citations
1	Sex Differences in User Experience in a VR EEG Neurofeedback Paradigm. Lecture Notes in Computer Science, 2021, , 111-120.	1.3	2
2	Differential Effects of Up- and Down-Regulation of SMR Coherence on EEG Activity and Memory Performance: A Neurofeedback Training Study. Frontiers in Human Neuroscience, 2020, 14, 606684.	2.0	6
3	How Much Do Strategy Reports Tell About the Outcomes of Neurofeedback Training? A Study on the Voluntary Up-Regulation of the Sensorimotor Rhythm. Frontiers in Human Neuroscience, 2020, 14, 218.	2.0	23
4	High-density EEG mobile brain/body imaging data recorded during a challenging auditory gait pacing task. Scientific Data, 2019, 6, 211.	5.3	13
5	Self-regulation of brain activity and its effect on cognitive function in patients with multiple sclerosis â€“ First insights from an interventional study using neurofeedback. Clinical Neurophysiology, 2019, 130, 2124-2131.	1.5	17
6	Trainability of hemodynamic parameters: A near-infrared spectroscopy based neurofeedback study. Biological Psychology, 2018, 136, 168-180.	2.2	9
7	Placebo hampers ability to self-regulate brain activity: A double-blind sham-controlled neurofeedback study. NeuroImage, 2018, 181, 797-806.	4.2	25
8	Upper Alpha Based Neurofeedback Training in Chronic Stroke: Brain Plasticity Processes and Cognitive Effects. Applied Psychophysiology Biofeedback, 2017, 42, 69-83.	1.7	43
9	Specific or nonspecific? Evaluation of band, baseline, and cognitive specificity of sensorimotor rhythm- and gamma-based neurofeedback. International Journal of Psychophysiology, 2017, 120, 1-13.	1.0	20
10	Short-term Beneficial Effects of 12 Sessions of Neurofeedback on Avoidant Personality Accentuation in the Treatment of Alcohol Use Disorder. Frontiers in Psychology, 2017, 8, 1688.	2.1	12
11	Ability to Gain Control Over Oneâ€™s Own Brain Activity and its Relation to Spiritual Practice: A Multimodal Imaging Study. Frontiers in Human Neuroscience, 2017, 11, 271.	2.0	35
12	Does Feedback Design Matter? A Neurofeedback Study Comparing Immersive Virtual Reality and Traditional Training Screens in Elderly. International Journal of Serious Games, 2017, 4, .	1.1	6
13	Shutting Down Sensorimotor Interferences after Stroke: A Proof-of-Principle SMR Neurofeedback Study. Frontiers in Human Neuroscience, 2016, 10, 348.	2.0	29
14	Distinct Î² Band Oscillatory Networks Subserving Motor and Cognitive Control during Gait Adaptation. Journal of Neuroscience, 2016, 36, 2212-2226.	3.6	152
15	Interactive effects of age and gender on EEG power and coherence during a short-term memory task in middle-aged adults. Neurobiology of Aging, 2016, 40, 127-137.	3.1	15
16	Age-related effects on verbal and visuospatial memory are mediated by theta and alpha II rhythms. International Journal of Psychophysiology, 2016, 99, 67-78.	1.0	15
17	Effects of a 3D Virtual Reality Neurofeedback Scenario on User Experience and Performance in Stroke Patients. Lecture Notes in Computer Science, 2016, , 83-94.	1.3	8
18	Specific effects of EEG based neurofeedback training on memory functions in post-stroke victims. Journal of NeuroEngineering and Rehabilitation, 2015, 12, 107.	4.6	74

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19	Hemodynamic Signal Changes Accompanying Execution and Imagery of Swallowing in Patients with Dysphagia: A Multiple Single-Case Near-Infrared Spectroscopy Study. Frontiers in Neurology, 2015, 6, 151.	2.4	34
20	Voluntary Modulation of Hemodynamic Responses in Swallowing Related Motor Areas: A Near-Infrared Spectroscopy-Based Neurofeedback Study. PLoS ONE, 2015, 10, e0143314.	2.5	23
21	Resting-state sensorimotor rhythm (SMR) power predicts the ability to up-regulate SMR in an EEG-instrumental conditioning paradigm. Clinical Neurophysiology, 2015, 126, 2068-2077.	1.5	58
22	Shutting down sensorimotor interference unblocks the networks for stimulus processing: An SMR neurofeedback training study. Clinical Neurophysiology, 2015, 126, 82-95.	1.5	88
23	Neuronal Correlates of Cognitive Control during Gaming Revealed by Near-Infrared Spectroscopy. PLoS ONE, 2015, 10, e0134816.	2.5	20
24	It's how you get there: walking down a virtual alley activates premotor and parietal areas. Frontiers in Human Neuroscience, 2014, 8, 93.	2.0	142
25	Electrophysiological correlates of mental navigation in blind and sighted people. Behavioural Brain Research, 2014, 273, 106-115.	2.2	16
26	Mind over brain, brain over mind: cognitive causes and consequences of controlling brain activity. Frontiers in Human Neuroscience, 2014, 8, 348.	2.0	15
27	Personality and Presence in Virtual Reality: Does Their Relationship Depend on the Used Presence Measure?. International Journal of Human-Computer Interaction, 2013, 29, 13-25.	4.8	65
28	A Haemodynamic Brainâ€“Computer Interface Based on Real-Time Classification of near Infrared Spectroscopy Signals during Motor Imagery and Mental Arithmetic. Journal of Near Infrared Spectroscopy, 2013, 21, 157-171.	1.5	45
29	Control beliefs can predict the ability to up-regulate sensorimotor rhythm during neurofeedback training. Frontiers in Human Neuroscience, 2013, 7, 478.	2.0	125
30	Neural substrates of cognitive control under the belief of getting neurofeedback training. Frontiers in Human Neuroscience, 2013, 7, 914.	2.0	91
31	Cortical correlate of spatial presence in 2D and 3D interactive virtual reality: An EEG study. International Journal of Psychophysiology, 2012, 83, 365-374.	1.0	166
32	Motor imagery and action observation: Modulation of sensorimotor brain rhythms during mental control of a brainâ€“computer interface. Clinical Neurophysiology, 2009, 120, 239-247.	1.5	354
33	Investigation of cue-based vertical and horizontal eye movements with electroencephalographic and eye-tracking data. Clinical Neurophysiology, 2009, 120, 1988-1993.	1.5	10
34	Viewing Moving Objects in Virtual Reality Can Change the Dynamics of Sensorimotor EEG Rhythms. Presence: Teleoperators and Virtual Environments, 2007, 16, 111-118.	0.6	38
35	ERD/ERS patterns reflecting sensorimotor activation and deactivation. Progress in Brain Research, 2006, 159, 211-222.	1.4	627
36	Walking by Thinking: The Brainwaves Are Crucial, Not the Muscles!. Presence: Teleoperators and Virtual Environments, 2006, 15, 500-514.	0.6	78

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37	Motor imagery and EEG-based control of spelling devices and neuroprostheses. Progress in Brain Research, 2006, 159, 393-409.	1.4	163
38	Long-term stability and consistency of EEG event-related (de-)synchronization across different cognitive tasks. Clinical Neurophysiology, 2005, 116, 1681-1694.	1.5	80