

Christa Neuper

List of Publications by Year in descending order

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Version: 2024-02-01

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	ERD/ERS patterns reflecting sensorimotor activation and deactivation. Progress in Brain Research, 2006, 159, 211-222.	1.4	627
2	Motor imagery and action observation: Modulation of sensorimotor brain rhythms during mental control of a brain-computer interface. Clinical Neurophysiology, 2009, 120, 239-247.	1.5	354
3	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
4	Motor imagery and EEG-based control of spelling devices and neuroprostheses. Progress in Brain Research, 2006, 159, 393-409.	1.4	163
5	Distinct β Band Oscillatory Networks Subserving Motor and Cognitive Control during Gait Adaptation. Journal of Neuroscience, 2016, 36, 2212-2226.	3.6	152
6	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
7	Control beliefs can predict the ability to up-regulate sensorimotor rhythm during neurofeedback training. Frontiers in Human Neuroscience, 2013, 7, 478.	2.0	125
8	Neural substrates of cognitive control under the belief of getting neurofeedback training. Frontiers in Human Neuroscience, 2013, 7, 914.	2.0	91
9	Shutting down sensorimotor interference unblocks the networks for stimulus processing: An SMR neurofeedback training study. Clinical Neurophysiology, 2015, 126, 82-95.	1.5	88
10	Long-term stability and consistency of EEG event-related (de-)synchronization across different cognitive tasks. Clinical Neurophysiology, 2005, 116, 1681-1694.	1.5	80
11	Walking by Thinking: The Brainwaves Are Crucial, Not the Muscles!. Presence: Teleoperators and Virtual Environments, 2006, 15, 500-514.	0.6	78
12	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
13	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
14	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
15	A Haemodynamic Brain-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
16	Upper Alpha Based Neurofeedback Training in Chronic Stroke: Brain Plasticity Processes and Cognitive Effects. Applied Psychophysiology Biofeedback, 2017, 42, 69-83.	1.7	43
17	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
18	Ability to Gain Control Over One's Own Brain Activity and its Relation to Spiritual Practice: A Multimodal Imaging Study. Frontiers in Human Neuroscience, 2017, 11, 271.	2.0	35

#	ARTICLE	IF	CITATIONS
19	Hemodynamic Signal Changes Accompanying Execution and Imagery of Swallowing in Patients with Dysphagia: A Multiple Single-Case Near-Infrared Spectroscopy Study. <i>Frontiers in Neurology</i> , 2015, 6, 151.	2.4	34
20	Shutting Down Sensorimotor Interferences after Stroke: A Proof-of-Principle SMR Neurofeedback Study. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 348.	2.0	29
21	Placebo hampers ability to self-regulate brain activity: A double-blind sham-controlled neurofeedback study. <i>NeuroImage</i> , 2018, 181, 797-806.	4.2	25
22	Voluntary Modulation of Hemodynamic Responses in Swallowing Related Motor Areas: A Near-Infrared Spectroscopy-Based Neurofeedback Study. <i>PLoS ONE</i> , 2015, 10, e0143314.	2.5	23
23	How Much Do Strategy Reports Tell About the Outcomes of Neurofeedback Training? A Study on the Voluntary Up-Regulation of the Sensorimotor Rhythm. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 218.	2.0	23
24	Specific or nonspecific? Evaluation of band, baseline, and cognitive specificity of sensorimotor rhythm- and gamma-based neurofeedback. <i>International Journal of Psychophysiology</i> , 2017, 120, 1-13.	1.0	20
25	Neuronal Correlates of Cognitive Control during Gaming Revealed by Near-Infrared Spectroscopy. <i>PLoS ONE</i> , 2015, 10, e0134816.	2.5	20
26	Self-regulation of brain activity and its effect on cognitive function in patients with multiple sclerosis – First insights from an interventional study using neurofeedback. <i>Clinical Neurophysiology</i> , 2019, 130, 2124-2131.	1.5	17
27	Electrophysiological correlates of mental navigation in blind and sighted people. <i>Behavioural Brain Research</i> , 2014, 273, 106-115.	2.2	16
28	Mind over brain, brain over mind: cognitive causes and consequences of controlling brain activity. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 348.	2.0	15
29	Interactive effects of age and gender on EEG power and coherence during a short-term memory task in middle-aged adults. <i>Neurobiology of Aging</i> , 2016, 40, 127-137.	3.1	15
30	Age-related effects on verbal and visuospatial memory are mediated by theta and alpha II rhythms. <i>International Journal of Psychophysiology</i> , 2016, 99, 67-78.	1.0	15
31	High-density EEG mobile brain/body imaging data recorded during a challenging auditory gait pacing task. <i>Scientific Data</i> , 2019, 6, 211.	5.3	13
32	Short-term Beneficial Effects of 12 Sessions of Neurofeedback on Avoidant Personality Accentuation in the Treatment of Alcohol Use Disorder. <i>Frontiers in Psychology</i> , 2017, 8, 1688.	2.1	12
33	Investigation of cue-based vertical and horizontal eye movements with electroencephalographic and eye-tracking data. <i>Clinical Neurophysiology</i> , 2009, 120, 1988-1993.	1.5	10
34	Trainability of hemodynamic parameters: A near-infrared spectroscopy based neurofeedback study. <i>Biological Psychology</i> , 2018, 136, 168-180.	2.2	9
35	Effects of a 3D Virtual Reality Neurofeedback Scenario on User Experience and Performance in Stroke Patients. <i>Lecture Notes in Computer Science</i> , 2016, , 83-94.	1.3	8
36	Differential Effects of Up- and Down-Regulation of SMR Coherence on EEG Activity and Memory Performance: A Neurofeedback Training Study. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 606684.	2.0	6

#	ARTICLE	IF	CITATIONS
37	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
38	Sex Differences in User Experience in a VR EEG Neurofeedback Paradigm. Lecture Notes in Computer Science, 2021, , 111-120.	1.3	2