

Tomas Ros

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

2,981
citations

304701

22
h-index

243610

44
g-index

52
all docs

52
docs citations

52
times ranked

3193
citing authors

#	ARTICLE	IF	CITATIONS
1	Closed-loop brain training: the science of neurofeedback. <i>Nature Reviews Neuroscience</i> , 2017, 18, 86-100.	10.2	814
2	Mind over chatter: Plastic up-regulation of the fMRI salience network directly after EEG neurofeedback. <i>NeuroImage</i> , 2013, 65, 324-335.	4.2	191
3	Consensus on the reporting and experimental design of clinical and cognitive-behavioural neurofeedback studies (CRED-nf checklist). <i>Brain</i> , 2020, 143, 1674-1685.	7.6	188
4	EEG applications for sport and performance. <i>Methods</i> , 2008, 45, 279-288.	3.8	171
5	Tuning pathological brain oscillations with neurofeedback: a systems neuroscience framework. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 1008.	2.0	157
6	Endogenous control of waking brain rhythms induces neuroplasticity in humans. <i>European Journal of Neuroscience</i> , 2010, 31, 770-778.	2.6	156
7	Plastic modulation of PTSD resting-state networks and subjective wellbeing by EEG neurofeedback. <i>Acta Psychiatrica Scandinavica</i> , 2014, 130, 123-136.	4.5	132
8	Optimizing microsurgical skills with EEG neurofeedback. <i>BMC Neuroscience</i> , 2009, 10, 87.	1.9	130
9	Distinct intrinsic network connectivity patterns of post-traumatic stress disorder symptom clusters. <i>Acta Psychiatrica Scandinavica</i> , 2015, 132, 29-38.	4.5	121
10	Dynamic changes of ICA-derived EEG functional connectivity in the resting state. <i>Human Brain Mapping</i> , 2013, 34, 852-868.	3.6	104
11	Beneficial outcome from EEG-neurofeedback on creative music performance, attention and well-being in school children. <i>Biological Psychology</i> , 2014, 95, 86-95.	2.2	69
12	Alpha oscillation neurofeedback modulates amygdala complex connectivity and arousal in posttraumatic stress disorder. <i>NeuroImage: Clinical</i> , 2016, 12, 506-516.	2.7	66
13	Linking alpha oscillations, attention and inhibitory control in adult ADHD with EEG neurofeedback. <i>NeuroImage: Clinical</i> , 2020, 25, 102145.	2.7	57
14	Increased Alpha-Rhythm Dynamic Range Promotes Recovery from Visuospatial Neglect: A Neurofeedback Study. <i>Neural Plasticity</i> , 2017, 2017, 1-9.	2.2	55
15	Classifying heterogeneous presentations of PTSD via the default mode, central executive, and salience networks with machine learning. <i>NeuroImage: Clinical</i> , 2020, 27, 102262.	2.7	48
16	Neurofeedback facilitation of implicit motor learning. <i>Biological Psychology</i> , 2014, 95, 54-58.	2.2	46
17	Neurofeedback Tunes Scale-Free Dynamics in Spontaneous Brain Activity. <i>Cerebral Cortex</i> , 2017, 27, 4911-4922.	2.9	44
18	Intrinsic connectivity network dynamics in PTSD during amygdala downregulation using real-time fMRI neurofeedback: A preliminary analysis. <i>Human Brain Mapping</i> , 2018, 39, 4258-4275.	3.6	44

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19	Theta/beta neurofeedback in children with ADHD: Feasibility of a short-term setting and plasticity effects. <i>International Journal of Psychophysiology</i> , 2017, 112, 80-88.	1.0	39
20	A randomized, controlled trial of alpha-rhythm EEG neurofeedback in posttraumatic stress disorder: A preliminary investigation showing evidence of decreased PTSD symptoms and restored default mode and salience network connectivity using fMRI. <i>NeuroImage: Clinical</i> , 2020, 28, 102490.	2.7	38
21	On assessing neurofeedback effects: should double-blind replace neurophysiological mechanisms?. <i>Brain</i> , 2017, 140, e63-e63.	7.6	34
22	EEG neurofeedback research: A fertile ground for psychiatry?. <i>L'Encephale</i> , 2019, 45, 245-255.	0.9	33
23	EEG Dynamics of Mindfulness Meditation Versus Alpha Neurofeedback: a Sham-Controlled Study. <i>Mindfulness</i> , 2017, 8, 572-584.	2.8	24
24	Personalized at-home neurofeedback compared with long-acting methylphenidate in an european non-inferiority randomized trial in children with ADHD. <i>BMC Psychiatry</i> , 2019, 19, 237.	2.6	23
25	Beyond broadband: Towards a spectral decomposition of <scp>electroencephalography</scp> microstates. <i>Human Brain Mapping</i> , 2022, 43, 3047-3061.	3.6	23
26	Is there a cluster of high theta-beta ratio patients in attention deficit hyperactivity disorder?. <i>Clinical Neurophysiology</i> , 2019, 130, 1387-1396.	1.5	19
27	EEG Neurofeedback for Anxiety Disorders and Post-Traumatic Stress Disorders: A Blueprint for a Promising Brain-Based Therapy. <i>Current Psychiatry Reports</i> , 2021, 23, 84.	4.5	18
28	Can neurofeedback provide evidence of direct brain-behavior causality?. <i>NeuroImage</i> , 2022, 258, 119400.	4.2	15
29	Regulating posttraumatic stress disorder symptoms with neurofeedback: Regaining control of the mind. <i>Journal of Military, Veteran and Family Health</i> , 2020, 6, 3-15.	0.6	14
30	Personalized at-home neurofeedback compared to long-acting methylphenidate in children with ADHD: NEWROFEED, a European randomized noninferiority trial. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2022, 63, 187-198.	5.2	14
31	Editorial: Neurofeedback in ADHD. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 602.	2.0	13
32	Effect of a single early EEG neurofeedback training on remediation of spatial neglect in the acute phase. <i>Annals of Physical and Rehabilitation Medicine</i> , 2018, 61, 111-112.	2.3	10
33	Electroencephalographic Microstates as Novel Functional Biomarkers for Adult Attention-Deficit/Hyperactivity Disorder. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2022, 7, 814-823.	1.5	9
34	Elevated and Slowed EEG Oscillations in Patients with Post-Concussive Syndrome and Chronic Pain Following a Motor Vehicle Collision. <i>Brain Sciences</i> , 2021, 11, 537.	2.3	8
35	Electrophysiological correlates of improved executive function following EEG neurofeedback in adult attention deficit hyperactivity disorder. <i>Clinical Neurophysiology</i> , 2021, 132, 1937-1946.	1.5	8
36	Disruption of large-scale electrophysiological networks in stroke patients with visuospatial neglect. <i>Network Neuroscience</i> , 2022, 6, 69-89.	2.6	6

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37	Applied Neuroscience: Functional enhancement, prevention, characterisation and methodology. (Hosting the Society of Applied Neuroscience). International Journal of Psychophysiology, 2014, 93, ix-xii.	1.0	5
38	The Immediate Effects of EEG Neurofeedback on Cortical Excitability and Synchronization. , 2011, , 381-402.		4
39	Neurofeedback. , 2017, , 147-164.		4
40	PET Imaging of Dopamine Neurotransmission During EEG Neurofeedback. Frontiers in Physiology, 2020, 11, 590503.	2.8	4
41	EEG neurofeedback for executive functions in children with neurodevelopmental challenges. The Cochrane Library, 2017, , .	2.8	3
42	Real-time fMRI and EEG neurofeedback: A perspective on applications for the rehabilitation of spatial neglect. Annals of Physical and Rehabilitation Medicine, 2021, 64, 101561.	2.3	3
43	Prestimulus amygdala spectral activity is associated with visual face awareness. Cerebral Cortex, 2023, 33, 1044-1057.	2.9	3
44	Electrophysiological and behavioral correlates of cannabis use disorder. Cognitive, Affective and Behavioral Neuroscience, 2022, 22, 1421-1431.	2.0	2
45	Dynamic changes of ICA power spectra-derived EEG functional connectivity between eyes open and eyes closed states: Resting state network. Neuroscience Letters, 2011, 500, e36.	2.1	1
46	Mind over chatter: plastic up-regulation of the fMRI alertness network by EEG neurofeedback. Nature Precedings, 2012, , .	0.1	1