Paolo Belardinelli

List of Publications by Year
in descending order

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53	2,942	257357	223716
papers	citations	24 h-index	46 g-index

58	58	58	3219
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Predicting motor behavior: an efficient EEG signal processing pipeline to detect brain states with potential therapeutic relevance for VR-based neurorehabilitation. Virtual Reality, 2023, 27, 347-369.	4.1	9
2	Bihemispheric sensorimotor oscillatory network states determine cortical responses to transcranial magnetic stimulation. Brain Stimulation, 2022, 15, 167-178.	0.7	10
3	A New Framework to Interpret Individual Inter-Hemispheric Compensatory Communication after Stroke. Journal of Personalized Medicine, 2022, 12, 59.	1.1	9
4	Bridging the gap: TMS-EEG from lab to clinic. Journal of Neuroscience Methods, 2022, 369, 109482.	1.3	15
5	Functional Connectivity States of Alpha Rhythm Sources in the Human Cortex at Rest: Implications for Real-Time Brain State Dependent EEG-TMS. Brain Sciences, 2022, 12, 348.	1.1	4
6	Prefrontal theta phase-dependent rTMS-induced plasticity of cortical and behavioral responses in human cortex. Brain Stimulation, 2022, 15, 391-402.	0.7	13
7	Artifacts in EEG-Based BCI Therapies: Friend or Foe?. Sensors, 2022, 22, 96.	2.1	6
8	TMS-EEG signatures of glutamatergic neurotransmission in human cortex. Scientific Reports, 2021, 11, 8159.	1.6	50
9	Prefrontal Theta-Phase Synchronized Brain Stimulation With Real-Time EEG-Triggered TMS. Frontiers in Human Neuroscience, 2021, 15, 691821.	1.0	16
10	Recording brain responses to TMS of primary motor cortex by EEG â€“ utility of an optimized sham procedure. NeuroImage, 2021, 245, 118708.	2.1	41
11	Phase-coupled EEG sources predict motor cortex excitability probed with TMS. Brain Stimulation, 2021, 14, 1597.	0.7	0
12	Bihemispheric motor oscillatory network states determine cortical responses to transcranial magnetic stimulation. Brain Stimulation, 2021, 14, 1675.	0.7	0
13	Individualized decoding of cortical excitability states using single-trial TMS responses analyzed by machine learning. Brain Stimulation, 2021, 14, 1751.	0.7	0
14	Brain oscillation-synchronized stimulation of the left dorsolateral prefrontal cortex in depression using real-time EEG-triggered TMS. Brain Stimulation, 2020, 13, 197-205.	0.7	80
15	The effects of NMDA receptor blockade on TMS-evoked EEG potentials from prefrontal and parietal cortex. Scientific Reports, 2020, 10, 3168.	1.6	42
16	Intraoperative localization of spatially and spectrally distinct resting-state networks in Parkinsonâ€™s disease. Journal of Neurosurgery, 2020, 132, 1234-1242.	0.9	3
17	99. Alpha-Synchronized Stimulation of the Left Dorsolateral Prefrontal Cortex in Depression Using Real-Time EEG-Triggered TMS. Biological Psychiatry, 2019, 85, S41.	0.7	0
18	Phase of sensorimotor Î¼â€oscillation modulates cortical responses to transcranial magnetic stimulation of the human motor cortex. Journal of Physiology, 2019, 597, 5671-5686.	1.3	44

#	Article	IF	Citations
19	Brain State-dependent Brain Stimulation with Real-time Electroencephalography-Triggered Transcranial Magnetic Stimulation. Journal of Visualized Experiments, 2019, , .	0.2	17
20	Reproducibility in TMSâ€“EEG studies: A call for data sharing, standard procedures and effective experimental control. Brain Stimulation, 2019, 12, 787-790.	0.7	106
21	Different oscillatory entrainment of cortical networks during motor imagery and neurofeedback in right and left handers. NeuroImage, 2019, 195, 190-202.	2.1	13
22	Musical Sonification of Arm Movements in Stroke Rehabilitation Yields Limited Benefits. Frontiers in Neuroscience, 2019, 13, 1378.	1.4	24
23	Alpha-Synchronized Stimulation of the Dorsolateral Prefrontal Cortex (DLPFC) in Major Depression: A Proof-of-Principle EEG-TMS Study. Biosystems and Biorobotics, 2019, , 1080-1083.	0.2	0
24	Brain-State Dependent Stimulation in Human Motor Cortex for Plasticity Induction Using EEG-TMS. Biosystems and Biorobotics, 2019, , 1057-1060.	0.2	0
25	Short-interval and long-interval intracortical inhibition of TMS-evoked EEG potentials. Brain Stimulation, 2018, 11, 818-827.	0.7	43
26	Real-time EEG-defined excitability states determine efficacy of TMS-induced plasticity in human motor cortex. Brain Stimulation, 2018, 11, 374-389.	0.7	310
27	Î¼-Rhythm Extracted With Personalized EEG Filters Correlates With Corticospinal Excitability in Real-Time Phase-Triggered EEG-TMS. Frontiers in Neuroscience, 2018, 12, 954.	1.4	46
28	Nil effects of Î¼-rhythm phase-dependent burst-rTMS on cortical excitability in humans: A resting-state EEG and TMS-EEG study. PLoS ONE, 2018, 13, e0208747.	1.1	15
29	Phase Synchronicity of Î¼-Rhythm Determines Efficacy of Interhemispheric Communication Between Human Motor Cortices. Journal of Neuroscience, 2018, 38, 10525-10534.	1.7	49
30	Reduced Performance During a Sentence Repetition Task by Continuous Theta-Burst Magnetic Stimulation of the Pre-supplementary Motor Area. Frontiers in Neuroscience, 2018, 12, 361.	1.4	5
31	Cortical Excitability and Interhemispheric Connectivity in Early Relapsingâ€“Remitting Multiple Sclerosis Studied With TMS-EEG. Frontiers in Neuroscience, 2018, 12, 393.	1.4	28
32	Comparison of cortical EEG responses to realistic sham versus real TMS of human motor cortex. Brain Stimulation, 2018, 11, 1322-1330.	0.7	89
33	Modulation of cortical responses by transcranial direct current stimulation of dorsolateral prefrontal cortex: A resting-state EEG and TMS-EEG study. Brain Stimulation, 2018, 11, 1024-1032.	0.7	48
34	Plasticity of premotor cortico-muscular coherence in severely impaired stroke patients with hand paralysis. NeuroImage: Clinical, 2017, 14, 726-733.	1.4	68
35	Early corticospinal tract damage in prodromal SCA2 revealed by EEG-EMG and EMG-EMG coherence. Clinical Neurophysiology, 2017, 128, 2493-2502.	0.7	29
36	The impact of GABAergic drugs on TMS-induced brain oscillations in human motor cortex. NeuroImage, 2017, 163, 1-12.	2.1	73

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37	Motor cortex excitability in seizure-free STX1B mutation carriers with a history of epilepsy and febrile seizures. Clinical Neurophysiology, 2017, 128, 2503-2509.	0.7	6
38	Corticomuscular Coherence: a Novel Tool to Assess the Pyramidal Tract Dysfunction in Spinocerebellar Ataxia Type 2. Cerebellum, 2017, 16, 602-606.	1.4	21
39	Closed-Loop Neuroscience and Non-Invasive Brain Stimulation: A Tale of Two Loops. Frontiers in Cellular Neuroscience, 2016, 10, 92.	1.8	151
40	Effects of the Selective Î±5-GABAAR Antagonist S44819 on Excitability in the Human Brain: A TMSâ€“EMG and TMSâ€“EEG Phase I Study. Journal of Neuroscience, 2016, 36, 12312-12320.	1.7	85
41	An Unsupervised Online Spike-Sorting Framework. International Journal of Neural Systems, 2016, 26, 1550042.	3.2	24
42	Characterization of GABAA-receptor mediated neurotransmission in the human cortex by paired-pulse TMS-EEG. Brain Stimulation, 2015, 8, 387.	0.7	0
43	Detecting tones in complex auditory scenes. NeuroImage, 2015, 122, 203-213.	2.1	28
44	Characterization of GABAB-receptor mediated neurotransmission in the human cortex by paired-pulse TMSâ€“EEG. NeuroImage, 2014, 103, 152-162.	2.1	123
45	TMS-EEG Signatures of GABAergic Neurotransmission in the Human Cortex. Journal of Neuroscience, 2014, 34, 5603-5612.	1.7	282
46	Weighted Phase Lag Index and Graph Analysis: Preliminary Investigation of Functional Connectivity during Resting State in Children. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-8.	0.7	36
47	Corticomuscular Coherence Is Tuned to the Spontaneous Rhythmicity of Speech at 2â€“3 Hz. Journal of Neuroscience, 2012, 32, 3786-3790.	1.7	40
48	Source Activity Correlation Effects on LCMV Beamformers in a Realistic Measurement Environment. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-8.	0.7	14
49	Steady-state responses in MEG demonstrate information integration within but not across the auditory and visual senses. NeuroImage, 2012, 60, 1478-1489.	2.1	44
50	Source Reconstruction Accuracy of MEG and EEG Bayesian Inversion Approaches. PLoS ONE, 2012, 7, e51985.	1.1	83
51	Temporal dynamics of spontaneous MEG activity in brain networks. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6040-6045.	3.3	664
52	Modulation of alpha oscillations in insular cortex reflects the threat of painful stimuli. NeuroImage, 2009, 46, 1082-1090.	2.1	21
53	Human brain activation elicited by the localization of sounds delivering at attended or unattended positions: an fMRI/MEG study. Cognitive Processing, 2006, 7, 116-117.	0.7	12