

Filippo Zappasodi

List of Publications by Year in descending order

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Version: 2024-02-01

93
papers

4,064
citations

87723

38
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133063

59
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95
docs citations

95
times ranked

4813
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring brain activity for positive and negative emotions by means of EEG microstates. <i>Scientific Reports</i> , 2022, 12, 3404.	1.6	14
2	rTMS affects EEG microstates dynamic during evoked activity. <i>Cortex</i> , 2021, 138, 302-310.	1.1	5
3	Characterization of the Functional Dynamics in the Neonatal Brain during REM and NREM Sleep States by means of Microstate Analysis. <i>Brain Topography</i> , 2021, 34, 555-567.	0.8	14
4	Romantic love affects emotional processing of love-unrelated stimuli: An EEG/ERP study using a love induction task. <i>Brain and Cognition</i> , 2021, 151, 105733.	0.8	5
5	Automated Detection and Removal of Cardiac and Pulse Interferences from Neonatal EEG Signals. <i>Sensors</i> , 2021, 21, 6364.	2.1	2
6	Inhibition of return in time-lapse: Brain Rhythms during grip force control for spatial attention. <i>Neuropsychologia</i> , 2021, 163, 108068.	0.7	2
7	Machine learning for predicting levetiracetam treatment response in temporal lobe epilepsy. <i>Clinical Neurophysiology</i> , 2021, 132, 3035-3042.	0.7	15
8	Individual Alpha Frequency Predicts Perceived Visuotactile Simultaneity. <i>Journal of Cognitive Neuroscience</i> , 2020, 32, 1-11.	1.1	24
9	Euthymic bipolar disorder patients and EEG microstates: a neural signature of their abnormal self experience?. <i>Journal of Affective Disorders</i> , 2020, 272, 326-334.	2.0	30
10	Pre-stimulus EEG Microstates Correlate With Anticipatory Alpha Desynchronization. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 182.	1.0	15
11	EEG microstates associated with intra- and inter-subject alpha variability. <i>Scientific Reports</i> , 2020, 10, 2469.	1.6	50
12	The impact of body posture on intrinsic brain activity: The role of beta power at rest. <i>PLoS ONE</i> , 2020, 15, e0218977.	1.1	4
13	Normal Aging: Alterations in Scalp EEG Using Broadband and Band-Resolved Topographic Maps. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	2
14	Electroencephalography-Derived Prognosis of Functional Recovery in Acute Stroke Through Machine Learning Approaches. <i>International Journal of Neural Systems</i> , 2020, 30, 2050067.	3.2	22
15	To Be Is To Become. Fractal Neurodynamics of the Body-Brain Control System. <i>Frontiers in Physiology</i> , 2020, 11, 609768.	1.3	8
16	Transcutaneous Vagus Nerve Stimulation Modulates EEG Microstates and Delta Activity in Healthy Subjects. <i>Brain Sciences</i> , 2020, 10, 668.	1.1	24
17	Data-driven assessment of cardiovascular ageing through multisite photoplethysmography and electrocardiography. <i>Medical Engineering and Physics</i> , 2019, 73, 39-50.	0.8	23
18	Hilbert spectral analysis of EEG data reveals spectral dynamics associated with microstates. <i>Journal of Neuroscience Methods</i> , 2019, 325, 108317.	1.3	21

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19	Acute Phase Neuronal Activity for the Prognosis of Stroke Recovery. <i>Neural Plasticity</i> , 2019, 2019, 1-10.	1.0	11
20	Multi-modal factors for recovery prognosis in acute stroke. <i>Aging Clinical and Experimental Research</i> , 2019, 33, 1717-1719.	1.4	1
21	EEG microstates distinguish between cognitive components of fluid reasoning. <i>NeuroImage</i> , 2019, 189, 560-573.	2.1	37
22	Safety and effects on motor cortex excitability of five anodal transcranial direct current stimulation sessions in 24 hours. <i>Neurophysiologie Clinique</i> , 2019, 49, 19-25.	1.0	8
23	Longitudinal quantitative electroencephalographic study in mono-hemispheric stroke patients. <i>Neural Regeneration Research</i> , 2019, 14, 1237.	1.6	15
24	Deep learning for hybrid EEG-fNIRS brain-computer interface: application to motor imagery classification. <i>Journal of Neural Engineering</i> , 2018, 15, 036028.	1.8	135
25	Offline stimulation of human parietal cortex differently affects resting EEG microstates. <i>Scientific Reports</i> , 2018, 8, 1287.	1.6	32
26	Safety and effects on motor cortex excitability of five cathodal transcranial direct current stimulation sessions in 25 hours. <i>Neurophysiologie Clinique</i> , 2018, 48, 77-87.	1.0	9
27	Magnetic stimulation selectively affects pre-stimulus EEG microstates. <i>NeuroImage</i> , 2018, 176, 239-245.	2.1	17
28	Circadian Rhythms in Fractal Features of EEG Signals. <i>Frontiers in Physiology</i> , 2018, 9, 1567.	1.3	32
29	Hemispheric asymmetries and emotions: Evidence from effective connectivity. <i>Neuropsychologia</i> , 2018, 121, 98-105.	0.7	66
30	Theta-burst stimulation causally affects side perception in the Deutsch's octave illusion. <i>Scientific Reports</i> , 2018, 8, 12844.	1.6	1
31	Prognostic Value of Serum Copper for Post-Stroke Clinical Recovery: A Pilot Study. <i>Frontiers in Neurology</i> , 2018, 9, 333.	1.1	12
32	Local Use-Dependent Sleep in Wakefulness Links Performance Errors to Learning. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 122.	1.0	36
33	Contrasting hemispheric asymmetries for emotional processing from event-related potentials and behavioral responses. <i>Neuropsychology</i> , 2018, 32, 317-328.	1.0	43
34	Resilience and cross-network connectivity: A neural model for post-trauma survival. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017, 77, 110-119.	2.5	22
35	Prognostic Value of EEG Microstates in Acute Stroke. <i>Brain Topography</i> , 2017, 30, 698-710.	0.8	65
36	Comparison of connectivity analyses for resting state EEG data. <i>Journal of Neural Engineering</i> , 2017, 14, 036017.	1.8	66

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37	O207 Safety and effects on motor cortex excitability of five closely repeated cathodal transcranial direct current stimulations. <i>Clinical Neurophysiology</i> , 2017, 128, e244-e245.	0.7	0
38	Impact of the reference choice on scalp EEG connectivity estimation. <i>Journal of Neural Engineering</i> , 2016, 13, 036016.	1.8	114
39	Bispectral pairwise interacting source analysis for identifying systems of cross-frequency interacting brain sources from electroencephalographic or magnetoencephalographic signals. <i>Physical Review E</i> , 2016, 93, 052420.	0.8	20
40	Biological factors and age-dependence of primary motor cortex experimental plasticity. <i>Neurological Sciences</i> , 2016, 37, 211-218.	0.9	17
41	The cerebral correlates of subliminal emotions: an electroencephalographic study with emotional hybrid faces. <i>European Journal of Neuroscience</i> , 2015, 42, 2952-2962.	1.2	47
42	Age-Related Changes in Electroencephalographic Signal Complexity. <i>PLoS ONE</i> , 2015, 10, e0141995.	1.1	74
43	Fractal Dimension of EEG Activity Senses Neuronal Impairment in Acute Stroke. <i>PLoS ONE</i> , 2014, 9, e100199.	1.1	127
44	Do You Know What I Mean? Brain Oscillations and the Understanding of Communicative Intentions. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 36.	1.0	21
45	Magnetoencephalographic alpha band connectivity reveals differential default mode network interactions during focused attention and open monitoring meditation. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 832.	1.0	47
46	Local and remote effects of transcranial direct current stimulation on the electrical activity of the motor cortical network. <i>Human Brain Mapping</i> , 2014, 35, 2220-2232.	1.9	67
47	Neuroprotective effect of cathodal transcranial direct current stimulation in a rat stroke model. <i>Journal of the Neurological Sciences</i> , 2014, 342, 146-151.	0.3	50
48	Magnetoencephalography in the study of brain dynamics. <i>Functional Neurology</i> , 2014, 29, 241-53.	1.3	15
49	Combined Analysis of Cortical (EEG) and Nerve Stump Signals Improves Robotic Hand Control. <i>Neurorehabilitation and Neural Repair</i> , 2012, 26, 275-281.	1.4	37
50	Redundancy as a Graph-Based Index of Frequency Specific MEG Functional Connectivity. <i>Computational and Mathematical Methods in Medicine</i> , 2012, 2012, 1-9.	0.7	14
51	Estimating true brain connectivity from EEG/MEG data invariant to linear and static transformations in sensor space. <i>NeuroImage</i> , 2012, 60, 476-488.	2.1	128
52	Cortical origin of myoclonus in early stages of corticobasal degeneration. <i>Movement Disorders</i> , 2011, 26, 1567-1569.	2.2	7
53	Primary sensory and motor cortex activities during voluntary and passive ankle mobilization by the SHADE orthosis. <i>Human Brain Mapping</i> , 2011, 32, 60-70.	1.9	24
54	Cortical Neuromodulation Modifies Cerebral Vasomotor Reactivity. <i>Stroke</i> , 2010, 41, 2087-2090.	1.0	54

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55	Anodal Transcranial Direct Current Stimulation Enhances Procedural Consolidation. <i>Journal of Neurophysiology</i> , 2010, 104, 1134-1140.	0.9	106
56	Oxidative stress and brain glutamate-mediated excitability in depressed patients. <i>Journal of Affective Disorders</i> , 2010, 127, 321-325.	2.0	35
57	Thalamocortical sensorimotor circuit in multiple sclerosis: An integrated structural and electrophysiological assessment. <i>Human Brain Mapping</i> , 2010, 31, 1588-1600.	1.9	39
58	Developmental Tuning and Decay in Senescence of Oscillations Linking the Corticospinal System. <i>Journal of Neuroscience</i> , 2010, 30, 3663-3674.	1.7	65
59	Synchronous with Your Feelings: Sensorimotor β Band and Empathy for Pain. <i>Journal of Neuroscience</i> , 2009, 29, 12384-12392.	1.7	56
60	Hand somatosensory subcortical and cortical sources assessed by functional source separation: An EEG study. <i>Human Brain Mapping</i> , 2009, 30, 660-674.	1.9	53
61	Choice of multivariate autoregressive model order affecting real network functional connectivity estimate. <i>Clinical Neurophysiology</i> , 2009, 120, 436-448.	0.7	47
62	Neuronal functionality assessed by magnetoencephalography is related to oxidative stress system in acute ischemic stroke. <i>NeuroImage</i> , 2009, 44, 1267-1273.	2.1	39
63	Brain activity preceding a 2D manual catching task. <i>NeuroImage</i> , 2009, 47, 1735-1746.	2.1	72
64	Hand sensory-motor cortical network assessed by functional source separation. <i>Human Brain Mapping</i> , 2008, 29, 70-81.	1.9	37
65	An observational study on the influence of the APOE- ϵ 4 allele on the correlation between free copper toxicosis and EEG activity in Alzheimer disease. <i>Brain Research</i> , 2008, 1215, 183-189.	1.1	39
66	High-gamma band activity of primary hand cortical areas: A sensorimotor feedback efficiency index. <i>NeuroImage</i> , 2008, 40, 256-264.	2.1	57
67	Intra-cortical connectivity in multiple sclerosis: a neurophysiological approach. <i>Brain</i> , 2008, 131, 1783-1792.	3.7	45
68	Environmental noise-exposed workers: Event-related potentials, neuropsychological and mood assessment. <i>International Journal of Psychophysiology</i> , 2007, 65, 228-237.	0.5	26
69	Delta dipole density and strength in acute monohemispheric stroke. <i>Neuroscience Letters</i> , 2007, 416, 310-314.	1.0	23
70	Free copper and resting temporal EEG rhythms correlate across healthy, mild cognitive impairment, and Alzheimer's disease subjects. <i>Clinical Neurophysiology</i> , 2007, 118, 1244-1260.	0.7	58
71	Somatosensory dynamic gamma-band synchrony: A neural code of sensorimotor dexterity. <i>NeuroImage</i> , 2007, 35, 185-193.	2.1	27
72	Functional source separation and hand cortical representation for a brain-computer interface feature extraction. <i>Journal of Physiology</i> , 2007, 580, 703-721.	1.3	45

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73	Outcome prediction in acute monohemispheric stroke via magnetoencephalography. <i>Journal of Neurology</i> , 2007, 254, 296-305.	1.8	53
74	Cortical excitability and rest activity properties in patients with depression. <i>Journal of Psychiatry and Neuroscience</i> , 2007, 32, 259-66.	1.4	19
75	Brain plasticity in recovery from stroke: An MEG assessment. <i>NeuroImage</i> , 2006, 32, 1326-1334.	2.1	84
76	Frontal white matter volume and delta EEG sources negatively correlate in awake subjects with mild cognitive impairment and Alzheimer's disease. <i>Clinical Neurophysiology</i> , 2006, 117, 1113-1129.	0.7	150
77	Hand cortical representation at rest and during activation: Gender and age effects in the two hemispheres. <i>Clinical Neurophysiology</i> , 2006, 117, 1518-1528.	0.7	43
78	Cortical short-term fatigue effects assessed via rhythmic brain-muscle coherence. <i>Experimental Brain Research</i> , 2006, 174, 144-151.	0.7	49
79	Fetal auditory responses to external sounds and mother's heart beat: Detection improved by Independent Component Analysis. <i>Brain Research</i> , 2006, 1101, 51-58.	1.1	45
80	Functional source separation from magnetoencephalographic signals. <i>Human Brain Mapping</i> , 2006, 27, 925-934.	1.9	49
81	Contingent Negative Variation in the Parasyllian Cortex Increases During Expectancy of Painful Sensorimotor Events: A Magnetoencephalographic Study.. <i>Behavioral Neuroscience</i> , 2005, 119, 491-502.	0.6	9
82	Neural connectivity in hand sensorimotor brain areas: An evaluation by evoked field morphology. <i>Human Brain Mapping</i> , 2005, 24, 99-108.	1.9	21
83	Rhythmic brain activity at rest from rolandic areas in acute mono-hemispheric stroke: A magnetoencephalographic study. <i>NeuroImage</i> , 2005, 28, 72-83.	2.1	69
84	Alpha rhythms in mild demented during visual delayed choice reaction time tasks: A MEG study. <i>Brain Research Bulletin</i> , 2005, 65, 457-470.	1.4	35
85	Inhibition of auditory cortical responses to ipsilateral stimuli during dichotic listening: evidence from magnetoencephalography. <i>European Journal of Neuroscience</i> , 2004, 19, 2329-2336.	1.2	90
86	District-related frequency specificity in hand cortical representation: dynamics of regional activation and intra-regional synchronization. <i>Brain Research</i> , 2004, 1014, 80-86.	1.1	13
87	Optimization of an independent component analysis approach for artifact identification and removal in magnetoencephalographic signals. <i>Clinical Neurophysiology</i> , 2004, 115, 1220-1232.	0.7	259
88	Mapping distributed sources of cortical rhythms in mild Alzheimer's disease. A multicentric EEG study. <i>NeuroImage</i> , 2004, 22, 57-67.	2.1	253
89	Brain sensorimotor hand area functionality in acute stroke: insights from magnetoencephalography. <i>NeuroImage</i> , 2004, 23, 542-550.	2.1	30
90	Gamma synchronization in human primary somatosensory cortex as revealed by somatosensory evoked neuromagnetic fields. <i>Brain Research</i> , 2003, 986, 63-70.	1.1	26

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91	Auditory sensory processing in autism: a magnetoencephalographic study. <i>Biological Psychiatry</i> , 2003, 54, 647-654.	0.7	89
92	Auditory discrimination in autistic subjects. <i>NeuroImage</i> , 2001, 13, 1050.	2.1	1
93	Detection of fetal auditory evoked responses by means of magnetoencephalography. <i>Brain Research</i> , 2001, 917, 167-173.	1.1	55