

Adenauer Girardi Casali

List of Publications by Year in descending order

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43
papers

5,145
citations

201674

27
h-index

289244

40
g-index

45
all docs

45
docs citations

45
times ranked

4195
citing authors

#	ARTICLE	IF	CITATIONS
1	A Theoretically Based Index of Consciousness Independent of Sensory Processing and Behavior. <i>Science Translational Medicine</i> , 2013, 5, 198ra105.	12.4	839
2	Natural Frequencies of Human Corticothalamic Circuits. <i>Journal of Neuroscience</i> , 2009, 29, 7679-7685.	3.6	569
3	Breakdown in cortical effective connectivity during midazolam-induced loss of consciousness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2681-2686.	7.1	464
4	Recovery of cortical effective connectivity and recovery of consciousness in vegetative patients. <i>Brain</i> , 2012, 135, 1308-1320.	7.6	400
5	Stratification of unresponsive patients by an independently validated index of brain complexity. <i>Annals of Neurology</i> , 2016, 80, 718-729.	5.3	309
6	Consciousness and Complexity during Unresponsiveness Induced by Propofol, Xenon, and Ketamine. <i>Current Biology</i> , 2015, 25, 3099-3105.	3.9	308
7	Human Cortical Excitability Increases with Time Awake. <i>Cerebral Cortex</i> , 2013, 23, 1-7.	2.9	229
8	Temporal asymmetries of short-term heart period variability are linked to autonomic regulation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 295, R550-R557.	1.8	182
9	EEG Responses to TMS Are Sensitive to Changes in the Perturbation Parameters and Repeatable over Time. <i>PLoS ONE</i> , 2010, 5, e10281.	2.5	181
10	Measures of metabolism and complexity in the brain of patients with disorders of consciousness. <i>NeuroImage: Clinical</i> , 2017, 14, 354-362.	2.7	133
11	A perturbational approach for evaluating the brain's capacity for consciousness. <i>Progress in Brain Research</i> , 2009, 177, 201-214.	1.4	130
12	General indices to characterize the electrical response of the cerebral cortex to TMS. <i>NeuroImage</i> , 2010, 49, 1459-1468.	4.2	130
13	Quantifying Cortical EEG Responses to TMS in (Un)consciousness. <i>Clinical EEG and Neuroscience</i> , 2014, 45, 40-49.	1.7	116
14	Sleep-like cortical OFF-periods disrupt causality and complexity in the brain of unresponsive wakefulness syndrome patients. <i>Nature Communications</i> , 2018, 9, 4427.	12.8	109
15	Cognitive Enhancement Induced by Anodal tDCS Drives Circuit-Specific Cortical Plasticity. <i>Cerebral Cortex</i> , 2018, 28, 1132-1140.	2.9	99
16	Consciousness Regained: Disentangling Mechanisms, Brain Systems, and Behavioral Responses. <i>Journal of Neuroscience</i> , 2017, 37, 10882-10893.	3.6	92
17	Contribution of Impaired Parasympathetic Activity to Right Ventricular Dysfunction and Pulmonary Vascular Remodeling in Pulmonary Arterial Hypertension. <i>Circulation</i> , 2018, 137, 910-924.	1.6	83
18	Stimulus Set Meaningfulness and Neurophysiological Differentiation: A Functional Magnetic Resonance Imaging Study. <i>PLoS ONE</i> , 2015, 10, e0125337.	2.5	69

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19	Multiple testing strategy for the detection of temporal irreversibility in stationary time series. <i>Physical Review E</i> , 2008, 77, 066204.	2.1	64
20	A fast and general method to empirically estimate the complexity of brain responses to transcranial and intracranial stimulations. <i>Brain Stimulation</i> , 2019, 12, 1280-1289.	1.6	64
21	Bistability, Causality, and Complexity in Cortical Networks: An In Vitro Perturbational Study. <i>Cerebral Cortex</i> , 2018, 28, 2233-2242.	2.9	58
22	Task-dependent changes in cortical excitability and effective connectivity: a combined TMS-EEG study. <i>Journal of Neurophysiology</i> , 2012, 107, 2383-2392.	1.8	56
23	Time-frequency spectral analysis of TMS-evoked EEG oscillations by means of Hilbert-Huang transform. <i>Journal of Neuroscience Methods</i> , 2011, 198, 236-245.	2.5	47
24	Changes of cortical excitability as markers of antidepressant response in bipolar depression: preliminary data obtained by combining transcranial magnetic stimulation (TMS) and electroencephalography (EEG). <i>Bipolar Disorders</i> , 2014, 16, 809-819.	1.9	47
25	Consciousness and complexity: a consilience of evidence. <i>Neuroscience of Consciousness</i> , 0, , .	2.6	41
26	Top-down interference and cortical responsiveness in face processing: A TMS-EEG study. <i>NeuroImage</i> , 2013, 76, 24-32.	4.2	39
27	Transcranial magnetic stimulation combined with high-density EEG in altered states of consciousness. <i>Brain Injury</i> , 2014, 28, 1180-1189.	1.2	39
28	Global structural integrity and effective connectivity in patients with disorders of consciousness. <i>Brain Stimulation</i> , 2018, 11, 358-365.	1.6	39
29	Fractal dimension analysis of states of consciousness and unconsciousness using transcranial magnetic stimulation. <i>Computer Methods and Programs in Biomedicine</i> , 2019, 175, 129-137.	4.7	31
30	General Anesthesia Disrupts Complex Cortical Dynamics in Response to Intracranial Electrical Stimulation in Rats. <i>ENeuro</i> , 2021, 8, ENEURO.0343-20.2021.	1.9	25
31	Timing of emotion representation in right and left occipital region: Evidence from combined TMS-EEG. <i>Brain and Cognition</i> , 2016, 106, 13-22.	1.8	23
32	Abnormal brain oscillations persist after recovery from bipolar depression. <i>European Psychiatry</i> , 2017, 41, 10-15.	0.2	22
33	Abnormalities in the evoked frontal oscillatory activity of first-episode psychosis: A TMS/EEG study. <i>Schizophrenia Research</i> , 2019, 206, 436-439.	2.0	22
34	Shortcuts for graviton propagation in a six-dimensional brane world model. <i>Nuclear Physics B</i> , 2002, 644, 201-222.	2.5	18
35	Human fronto-parietal response scattering subserves vigilance at night. <i>NeuroImage</i> , 2018, 175, 354-364.	4.2	18
36	Shortcuts in Cosmological Branes. <i>International Journal of Theoretical Physics</i> , 2004, 43, 801-854.	1.2	16

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37	Combining Transcranial Magnetic Stimulation with Electroencephalography to Study Human Cortical Excitability and Effective Connectivity. <i>NeuroMethods</i> , 2011, , 435-457.	0.3	15
38	Optimization of Vagal Stimulation Protocol Based on Spontaneous Breathing Rate. <i>Frontiers in Physiology</i> , 2018, 9, 1341.	2.8	5
39	Brane world cosmological perturbations. <i>Physical Review D</i> , 2004, 70, .	4.7	2
40	Shortcuts in cosmological branes. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2004, 127, 1-7.	0.4	2
41	Reduced TMS-evoked fast oscillations in the motor cortex predict the severity of positive symptoms in first-episode psychosis. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 111, 110387.	4.8	2
42	P.2.e.002 Depression, cortical excitability and sleep deprivation: a TMS/EEG study. <i>European Neuropsychopharmacology</i> , 2012, 22, S276-S277.	0.7	0
43	Assessment of heart rate irreversibility induced by graded sympathetic activation in humans. <i>FASEB Journal</i> , 2007, 21, A564.	0.5	0