

Martin M Monti

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

77
papers

4,321
citations

28
h-index

65
g-index

97
ext. papers

5,470
ext. citations

6.1
avg, IF

5.72
L-index

#	Paper	IF	Citations
77	Willful modulation of brain activity in disorders of consciousness. <i>New England Journal of Medicine</i> , 2010 , 362, 579-89	59.2	937
76	The role of the right inferior frontal gyrus: inhibition and attentional control. <i>NeuroImage</i> , 2010 , 50, 1313-9	7.9	863
75	Diffusion weighted imaging distinguishes the vegetative state from the minimally conscious state. <i>NeuroImage</i> , 2011 , 54, 103-12	7.9	168
74	Statistical Analysis of fMRI Time-Series: A Critical Review of the GLM Approach. <i>Frontiers in Human Neuroscience</i> , 2011 , 5, 28	3.3	151
73	The vegetative state. <i>BMJ, The</i> , 2010 , 341, c3765	5.9	150
72	Non-Invasive Ultrasonic Thalamic Stimulation in Disorders of Consciousness after Severe Brain Injury: A First-in-Man Report. <i>Brain Stimulation</i> , 2016 , 9, 940-941	5.1	118
71	Optimized brain extraction for pathological brains (optiBET). <i>PLoS ONE</i> , 2014 , 9, e115551	3.7	116
70	Spectral signatures of reorganised brain networks in disorders of consciousness. <i>PLoS Computational Biology</i> , 2014 , 10, e1003887	5	114
69	The boundaries of language and thought in deductive inference. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 12554-9	11.5	109
68	Thalamic and extrathalamic mechanisms of consciousness after severe brain injury. <i>Annals of Neurology</i> , 2015 , 78, 68-76	9.4	98
67	Functional neuroanatomy of deductive inference: a language-independent distributed network. <i>NeuroImage</i> , 2007 , 37, 1005-16	7.9	98
66	Dynamic change of global and local information processing in propofol-induced loss and recovery of consciousness. <i>PLoS Computational Biology</i> , 2013 , 9, e1003271	5	97
65	Thought beyond language: neural dissociation of algebra and natural language. <i>Psychological Science</i> , 2012 , 23, 914-22	7.9	89
64	Differences in resting corticolimbic functional connectivity in bipolar I euthymia. <i>Bipolar Disorders</i> , 2013 , 15, 156-66	3.8	82
63	Brain-computer interfaces for communication with nonresponsive patients. <i>Annals of Neurology</i> , 2012 , 72, 312-23	9.4	80
62	Thalamo-frontal connectivity mediates top-down cognitive functions in disorders of consciousness. <i>Neurology</i> , 2015 , 84, 167-73	6.5	76
61	Impaired consciousness is linked to changes in effective connectivity of the posterior cingulate cortex within the default mode network. <i>NeuroImage</i> , 2015 , 110, 101-9	7.9	70

60	Dissociable endogenous and exogenous attention in disorders of consciousness. <i>NeuroImage: Clinical</i> , 2013 , 3, 450-61	5.3	60
59	Neuroimaging and the vegetative state: resolving the behavioral assessment dilemma?. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1157, 81-9	6.5	56
58	Visual cognition in disorders of consciousness: from V1 to top-down attention. <i>Human Brain Mapping</i> , 2013 , 34, 1245-53	5.9	53
57	Cognition in the vegetative state. <i>Annual Review of Clinical Psychology</i> , 2012 , 8, 431-54	20.5	51
56	Executive functions in the absence of behavior: functional imaging of the minimally conscious state. <i>Progress in Brain Research</i> , 2009 , 177, 249-60	2.9	50
55	Thalamic atrophy in antero-medial and dorsal nuclei correlates with six-month outcome after severe brain injury. <i>NeuroImage: Clinical</i> , 2013 , 3, 396-404	5.3	49
54	Disentangling disorders of consciousness: Insights from diffusion tensor imaging and machine learning. <i>Human Brain Mapping</i> , 2017 , 38, 431-443	5.9	47
53	Logic, language and the brain. <i>Brain Research</i> , 2012 , 1428, 33-42	3.7	32
52	Disorders of consciousness after severe brain injury: therapeutic options. <i>Current Opinion in Neurology</i> , 2017 , 30, 573-579	7.1	30
51	Weighing brain activity with the balance: Angelo Mosso's original manuscripts come to light. <i>Brain</i> , 2014 , 137, 621-33	11.2	29
50	Sleep quality and adolescent default mode network connectivity. <i>Social Cognitive and Affective Neuroscience</i> , 2018 , 13, 290-299	4	28
49	Testing Proposed Neuronal Models of Effective Connectivity Within the Cortico-basal Ganglia-thalamo-cortical Loop During Loss of Consciousness. <i>Cerebral Cortex</i> , 2017 , 27, 2727-2738	5.1	28
48	Restoration of thalamo-cortical connectivity after brain injury: recovery of consciousness, complex behavior, or passage of time?. <i>Journal of Neuroscience Research</i> , 2018 , 96, 671-687	4.4	20
47	Do Sensory Stimulation Programs Have an Impact on Consciousness Recovery?. <i>Frontiers in Neurology</i> , 2018 , 9, 826	4.1	19
46	At the core of reasoning: Dissociating deductive and non-deductive load. <i>Human Brain Mapping</i> , 2018 , 39, 1850-1861	5.9	18
45	Neural adaptation in pSTS correlates with perceptual aftereffects to biological motion and with autistic traits. <i>NeuroImage</i> , 2016 , 136, 149-61	7.9	18
44	Neural representations of magnitude for natural and rational numbers. <i>NeuroImage</i> , 2016 , 141, 304-312	7.9	18
43	Acute EEG spectra characteristics predict thalamic atrophy after severe TBI. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019 , 90, 617-619	5.5	17

42	Ultrasonic thalamic stimulation in chronic disorders of consciousness. <i>Brain Stimulation</i> , 2021 , 14, 301-303	3.1	17
41	Imaging biomarkers of posttraumatic epileptogenesis. <i>Epilepsia</i> , 2019 , 60, 2151-2162	6.4	14
40	Behavior in the Brain. <i>Journal of Psychophysiology</i> , 2010 , 24, 76-82	1	13
39	pH-weighted molecular MRI in human traumatic brain injury (TBI) using amine proton chemical exchange saturation transfer echoplanar imaging (CEST EPI). <i>NeuroImage: Clinical</i> , 2019 , 22, 101736	5.3	12
38	Network Analysis in Disorders of Consciousness: Four Problems and One Proposed Solution (Exponential Random Graph Models). <i>Frontiers in Neurology</i> , 2018 , 9, 439	4.1	11
37	Safety of focused ultrasound neuromodulation in humans with temporal lobe epilepsy. <i>Brain Stimulation</i> , 2021 , 14, 1022-1031	5.1	11
36	Therapies to Restore Consciousness in Patients with Severe Brain Injuries: A Gap Analysis and Future Directions. <i>Neurocritical Care</i> , 2021 , 35, 68-85	3.3	11
35	The language of music: Common neural codes for structured sequences in music and natural language. <i>Brain and Language</i> , 2018 , 185, 30-37	2.9	10
34	Real time and delayed effects of subcortical low intensity focused ultrasound. <i>Scientific Reports</i> , 2021 , 11, 6100	4.9	10
33	Consciousness among delta waves: a paradox?. <i>Brain</i> , 2021 , 144, 2257-2277	11.2	10
32	The subcortical basis of outcome and cognitive impairment in TBI: A longitudinal cohort study. <i>Neurology</i> , 2020 , 95, e2398-e2408	6.5	8
31	A systematic investigation of the association between network dynamics in the human brain and the state of consciousness. <i>Neuroscience of Consciousness</i> , 2020 , 2020, niaa008	3.3	7
30	Brain Function and Responsiveness in Disorders of Consciousness 2016 ,		7
29	EEG Power spectra and subcortical pathology in chronic disorders of consciousness. <i>Psychological Medicine</i> , 2020 , 1-10	6.9	7
28	Relational Integration in the Human Brain: A Review and Synthesis. <i>Journal of Cognitive Neuroscience</i> , 2021 , 33, 341-356	3.1	7
27	Toward a global and reproducible science for brain imaging in neurotrauma: the ENIGMA adult moderate/severe traumatic brain injury working group. <i>Brain Imaging and Behavior</i> , 2021 , 15, 526-554	4.1	7
26	Mechanisms Underlying Disorders of Consciousness: Bridging Gaps to Move Toward an Integrated Translational Science. <i>Neurocritical Care</i> , 2021 , 35, 37-54	3.3	7
25	High-voltage, diffuse delta rhythms coincide with wakeful consciousness and complexity in Angelman syndrome. <i>Neuroscience of Consciousness</i> , 2020 , 2020, niaa005	3.3	6

24	Neuroimaging in disorders of consciousness: contributions to diagnosis and prognosis. <i>Future Neurology</i> , 2011 , 6, 291-299	1.5	6
23	Subcortical atrophy correlates with the perturbational complexity index in patients with disorders of consciousness. <i>Brain Stimulation</i> , 2020 , 13, 1426-1435	5.1	6
22	Distributed Code for Semantic Relations Predicts Neural Similarity during Analogical Reasoning. <i>Journal of Cognitive Neuroscience</i> , 2021 , 33, 377-389	3.1	6
21	Multiplex Networks to Characterize Seizure Development in Traumatic Brain Injury Patients. <i>Frontiers in Neuroscience</i> , 2020 , 14, 591662	5.1	5
20	Brain-Computer Interfaces for Assessment and Communication in Disorders of Consciousness. <i>Advances in Bioinformatics and Biomedical Engineering Book Series</i> , 181-214	0.4	4
19	Thalamic and extra-thalamic connections of the Globus Pallidus in the human brain: The ultradirect pathway		4
18	Early brain biomarkers of post-traumatic seizures: initial report of the multicentre epilepsy bioinformatics study for antiepileptogenic therapy (EpiBioS4Rx) prospective study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2020 , 91, 1154-1157	5.5	4
17	Neural oscillations track recovery of consciousness in acute traumatic brain injury patients.. <i>Human Brain Mapping</i> , 2022 ,	5.9	3
16	Consciousness is supported by near-critical slow cortical electrodynamics.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	3
15	The Role of Language in Structure-Dependent Cognition. <i>Innovations in Cognitive Neuroscience</i> , 2017 , 81-101		3
14	Disorders of Consciousness 2015 , 1-13		2
13	A note on concave utility functions. <i>Mind and Society</i> , 2005 , 4, 85-96	0.9	2
12	The thalamic basis of outcome and cognitive impairment in traumatic brain injury		2
11	Memory in repeat sports-related concussive injury and single-impact traumatic brain injury. <i>Brain Injury</i> , 2020 , 34, 1666-1673	2.1	2
10	Current State of Potential Mechanisms Supporting Low Intensity Focused Ultrasound for Neuromodulation.. <i>Frontiers in Human Neuroscience</i> , 2022 , 16, 872639	3.3	2
9	Towards improving care for disorders of consciousness. <i>Nature Reviews Neurology</i> , 2020 , 16, 405-406	15	1
8	Brain Responsiveness After Severe Brain Injury: Revolutions and Controversies 2016 , 81-92		1
7	Sedation-Induced Burst Suppression Predicts Positive Outcome Following Traumatic Brain Injury.. <i>Frontiers in Neurology</i> , 2021 , 12, 750667	4.1	1

- 6 Functional Segregation of Human Brain Networks Across the Lifespan: An Exploratory Analysis of Static and Dynamic Resting-State Functional Connectivity. *Frontiers in Neuroscience*, **2020**, 14, 561594 5.1 0
- 5 Linking Complex Alterations in Functional Network Connectivity to Disorders of Consciousness **2018**, 37-50
- 4 Management of Severely Brain-Injured Patients Recovering from Coma in the Neurocritical Care Unit **2019**, 404-413
- 3 Response to Tzourio-Mazoyer and Zago: yes, there is a neural dissociation between language and reasoning. *Trends in Cognitive Sciences*, **2012**, 16, 495-496 14
- 2 Accounting for Changing Structure in Functional Network Analysis of TBI Patients. *Frontiers in Systems Neuroscience*, **2020**, 14, 42 3.5
- 1 Longitudinal changes in blood-based biomarkers in chronic moderate to severe traumatic brain injury: preliminary findings. *Brain Injury*, **2021**, 35, 285-291 2.1