

Martin M Monti

List of Publications by Year in Descending Order

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Version: 2024-04-28

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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	Neural oscillations track recovery of consciousness in acute traumatic brain injury patients.. <i>Human Brain Mapping</i> , 2022 ,	5.9	3
76	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
75	Current State of Potential Mechanisms Supporting Low Intensity Focused Ultrasound for Neuromodulation.. <i>Frontiers in Human Neuroscience</i> , 2022 , 16, 872639	3.3	2
74	Real time and delayed effects of subcortical low intensity focused ultrasound. <i>Scientific Reports</i> , 2021 , 11, 6100	4.9	10
73	Consciousness among delta waves: a paradox?. <i>Brain</i> , 2021 , 144, 2257-2277	11.2	10
72	Safety of focused ultrasound neuromodulation in humans with temporal lobe epilepsy. <i>Brain Stimulation</i> , 2021 , 14, 1022-1031	5.1	11
71	Relational Integration in the Human Brain: A Review and Synthesis. <i>Journal of Cognitive Neuroscience</i> , 2021 , 33, 341-356	3.1	7
70	Ultrasonic thalamic stimulation in chronic disorders of consciousness. <i>Brain Stimulation</i> , 2021 , 14, 301-303	3.1	17
69	Distributed Code for Semantic Relations Predicts Neural Similarity during Analogical Reasoning. <i>Journal of Cognitive Neuroscience</i> , 2021 , 33, 377-389	3.1	6
68	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
67	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
66	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
65	Longitudinal changes in blood-based biomarkers in chronic moderate to severe traumatic brain injury: preliminary findings. <i>Brain Injury</i> , 2021 , 35, 285-291	2.1	
64	Sedation-Induced Burst Suppression Predicts Positive Outcome Following Traumatic Brain Injury.. <i>Frontiers in Neurology</i> , 2021 , 12, 750667	4.1	1
63	Functional Segregation of Human Brain Networks Across the Lifespan: An Exploratory Analysis of Static and Dynamic Resting-State Functional Connectivity. <i>Frontiers in Neuroscience</i> , 2020 , 14, 561594	5.1	0
62	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
61	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

60	Towards improving care for disorders of consciousness. <i>Nature Reviews Neurology</i> , 2020 , 16, 405-406	15	1
59	Memory in repeat sports-related concussive injury and single-impact traumatic brain injury. <i>Brain Injury</i> , 2020 , 34, 1666-1673	2.1	2
58	Accounting for Changing Structure in Functional Network Analysis of TBI Patients. <i>Frontiers in Systems Neuroscience</i> , 2020 , 14, 42	3.5	
57	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
56	EEG Power spectra and subcortical pathology in chronic disorders of consciousness. <i>Psychological Medicine</i> , 2020 , 1-10	6.9	7
55	The subcortical basis of outcome and cognitive impairment in TBI: A longitudinal cohort study. <i>Neurology</i> , 2020 , 95, e2398-e2408	6.5	8
54	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
53	Multiplex Networks to Characterize Seizure Development in Traumatic Brain Injury Patients. <i>Frontiers in Neuroscience</i> , 2020 , 14, 591662	5.1	5
52	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
51	Management of Severely Brain-Injured Patients Recovering from Coma in the Neurocritical Care Unit 2019 , 404-413		
50	Imaging biomarkers of posttraumatic epileptogenesis. <i>Epilepsia</i> , 2019 , 60, 2151-2162	6.4	14
49	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
48	Sleep quality and adolescent default mode network connectivity. <i>Social Cognitive and Affective Neuroscience</i> , 2018 , 13, 290-299	4	28
47	At the core of reasoning: Dissociating deductive and non-deductive load. <i>Human Brain Mapping</i> , 2018 , 39, 1850-1861	5.9	18
46	Linking Complex Alterations in Functional Network Connectivity to Disorders of Consciousness 2018 , 37-50		
45	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
44	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
43	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

42	Do Sensory Stimulation Programs Have an Impact on Consciousness Recovery?. <i>Frontiers in Neurology</i> , 2018 , 9, 826	4.1	19
41	Disorders of consciousness after severe brain injury: therapeutic options. <i>Current Opinion in Neurology</i> , 2017 , 30, 573-579	7.1	30
40	Disentangling disorders of consciousness: Insights from diffusion tensor imaging and machine learning. <i>Human Brain Mapping</i> , 2017 , 38, 431-443	5.9	47
39	The Role of Language in Structure-Dependent Cognition. <i>Innovations in Cognitive Neuroscience</i> , 2017 , 81-101		3
38	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
37	Brain Function and Responsiveness in Disorders of Consciousness 2016 ,		7
36	Brain Responsiveness After Severe Brain Injury: Revolutions and Controversies 2016 , 81-92		1
35	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
34	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
33	Neural representations of magnitude for natural and rational numbers. <i>NeuroImage</i> , 2016 , 141, 304-312	7.9	18
32	Thalamic and extrathalamic mechanisms of consciousness after severe brain injury. <i>Annals of Neurology</i> , 2015 , 78, 68-76	9.4	98
31	Thalamo-frontal connectivity mediates top-down cognitive functions in disorders of consciousness. <i>Neurology</i> , 2015 , 84, 167-73	6.5	76
30	Disorders of Consciousness 2015 , 1-13		2
29	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
28	Weighing brain activity with the balance: Angelo Mosso's original manuscripts come to light. <i>Brain</i> , 2014 , 137, 621-33	11.2	29
27	Optimized brain extraction for pathological brains (optiBET). <i>PLoS ONE</i> , 2014 , 9, e115551	3.7	116
26	Spectral signatures of reorganised brain networks in disorders of consciousness. <i>PLoS Computational Biology</i> , 2014 , 10, e1003887	5	114
25	Visual cognition in disorders of consciousness: from V1 to top-down attention. <i>Human Brain Mapping</i> , 2013 , 34, 1245-53	5.9	53

24	Dissociable endogenous and exogenous attention in disorders of consciousness. <i>NeuroImage: Clinical</i> , 2013 , 3, 450-61	5.3	60
23	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
22	Differences in resting corticolimbic functional connectivity in bipolar I euthymia. <i>Bipolar Disorders</i> , 2013 , 15, 156-66	3.8	82
21	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
20	Logic, language and the brain. <i>Brain Research</i> , 2012 , 1428, 33-42	3.7	32
19	Brain-computer interfaces for communication with nonresponsive patients. <i>Annals of Neurology</i> , 2012 , 72, 312-23	9.4	80
18	Response to Tzourio-Mazoyer and Zago: yes, there is a neural dissociation between language and reasoning. <i>Trends in Cognitive Sciences</i> , 2012 , 16, 495-496	14	
17	Cognition in the vegetative state. <i>Annual Review of Clinical Psychology</i> , 2012 , 8, 431-54	20.5	51
16	Thought beyond language: neural dissociation of algebra and natural language. <i>Psychological Science</i> , 2012 , 23, 914-22	7.9	89
15	Diffusion weighted imaging distinguishes the vegetative state from the minimally conscious state. <i>NeuroImage</i> , 2011 , 54, 103-12	7.9	168
14	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
13	Neuroimaging in disorders of consciousness: contributions to diagnosis and prognosis. <i>Future Neurology</i> , 2011 , 6, 291-299	1.5	6
12	The vegetative state. <i>BMJ, The</i> , 2010 , 341, c3765	5.9	150
11	The role of the right inferior frontal gyrus: inhibition and attentional control. <i>NeuroImage</i> , 2010 , 50, 1313-9	3.9	863
10	Willful modulation of brain activity in disorders of consciousness. <i>New England Journal of Medicine</i> , 2010 , 362, 579-89	59.2	937
9	Behavior in the Brain. <i>Journal of Psychophysiology</i> , 2010 , 24, 76-82	1	13
8	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
7	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

6	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
5	Functional neuroanatomy of deductive inference: a language-independent distributed network. <i>NeuroImage</i> , 2007 , 37, 1005-16	7.9	98
4	A note on concave utility functions. <i>Mind and Society</i> , 2005 , 4, 85-96	0.9	2
3	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
2	The thalamic basis of outcome and cognitive impairment in traumatic brain injury		2
1	Thalamic and extra-thalamic connections of the Globus Pallidus in the human brain: The ultradirect pathway		4