Antonino Leo

List of Publications by Year in descending order

59 papers	1,764 citations	279701 23 h-index	302012 39 g-index
59 all docs	59 docs citations	59 times ranked	2026 citing authors

#	Article	IF	Citations
1	Multiplex and Multilayer Network EEG Analyses: A Novel Strategy in the Differential Diagnosis of Patients with Chronic Disorders of Consciousness. International Journal of Neural Systems, 2021, 31, 2050052.	3.2	20
2	Effects of robotic neurorehabilitation through lokomat plus virtual reality on cognitive function in patients with traumatic brain injury: A retrospective case-control study. International Journal of Neuroscience, 2020, 130, 117-123.	0.8	36
3	Toward Improving Robotic-Assisted Gait Training: Can Big Data Analysis Help Us?. IEEE Internet of Things Journal, 2019, 6, 1419-1426.	5.5	11
4	Paving the way for a better understanding of the pathophysiology of gait impairment in myotonic dystrophy: a pilot study focusing on muscle networks. Journal of NeuroEngineering and Rehabilitation, 2019, 16, 116.	2.4	6
5	Functional Brain Network Topology Discriminates between Patients with Minimally Conscious State and Unresponsive Wakefulness Syndrome. Journal of Clinical Medicine, 2019, 8, 306.	1.0	35
6	The role of robotic gait training and tDCS in Friedrich ataxia rehabilitation. Medicine (United States), 2019, 98, e14447.	0.4	20
7	Overground exoskeletons may boost neuroplasticity in myotonic dystrophy type 1 rehabilitation. Medicine (United States), 2019, 98, e17582.	0.4	7
8	Looking toward predicting functional recovery in disorders of consciousness: can sensorimotor integration help us?. Brain Injury, 2019, 33, 364-369.	0.6	3
9	Use of virtual reality in improving poststroke neglect: Promising neuropsychological and neurophysiological findings from a case study. Applied Neuropsychology Adult, 2019, 26, 96-100.	0.7	31
10	RETHINKING THE ROBOTIC REHABILITATION PATHWAY FOR PEOPLE WITH AMYOTROPHIC LATERAL SCLEROSIS: A NEED FOR CLINICAL TRIALS. Innovations in Clinical Neuroscience, 2019, 16, 11-12.	0.1	2
11	Shedding new light on disorders of consciousness diagnosis: The dynamic functional connectivity. Cortex, 2018, 103, 316-328.	1.1	38
12	Metaplasticity: A Promising Tool to Disentangle Chronic Disorders of Consciousness Differential Diagnosis. International Journal of Neural Systems, 2018, 28, 1750059.	3.2	11
13	Bridging the Gap Towards Awareness Detection in Disorders of Consciousness: An Experimental Study on the Mirror Neuron System. Brain Topography, 2018, 31, 623-639.	0.8	10
14	Sexual Function in Young Individuals With Multiple Sclerosis: Does Disability Matter?. Journal of Neuroscience Nursing, 2018, 50, 161-166.	0.7	25
15	Beyond the muscular involvement in non-dystrophic myotonias: The emerging role of neuromodulation. Restorative Neurology and Neuroscience, 2018, 36, 459-467.	0.4	0
16	Gait Rehabilitation Following Neurological Disorders: Are Robotic Devices the Future?. Innovations in Clinical Neuroscience, 2018, 15, 11-13.	0.1	2
17	Usefulness of robotic gait training plus neuromodulation in chronic spinal cord injury: a case report. Journal of Spinal Cord Medicine, 2017, 40, 118-121.	0.7	25
18	Pain perception in patients with chronic disorders of consciousness: What can limbic system tell us?. Clinical Neurophysiology, 2017, 128, 454-462.	0.7	22

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19	Effects of cerebellar transcranial alternating current stimulation on motor cortex excitability and motor function. Brain Structure and Function, 2017, 222, 2891-2906.	1.2	59
20	Breakthroughs in the spasticity management: Are non-pharmacological treatments the future?. Journal of Clinical Neuroscience, 2017, 39, 16-27.	0.8	66
21	Spasticity Management: The Current State of Transcranial Neuromodulation. PM and R, 2017, 9, 1020-1029.	0.9	20
22	Twist and turn into chronic disorders ofÂconsciousness: Potential role ofÂtheÂauditory stapedial reflex. Restorative Neurology and Neuroscience, 2017, 35, 77-85.	0.4	2
23	Robotic gait training in multiple sclerosis rehabilitation: Can virtual reality make the difference? Findings from a randomized controlled trial. Journal of the Neurological Sciences, 2017, 377, 25-30.	0.3	93
24	How far can we go in chronic disorders of consciousness differential diagnosis? The use of neuromodulation in detecting internal and external awareness. Neuroscience, 2017, 349, 165-173.	1.1	16
25	The role of virtual reality in improving motor performance as revealed by EEG: a randomized clinical trial. Journal of NeuroEngineering and Rehabilitation, 2017, 14, 53.	2.4	163
26	Reducing the rate of misdiagnosis in patients with chronic disorders of consciousness: Is there a place for audiovisual stimulation?. Restorative Neurology and Neuroscience, 2017, 35, 511-526.	0.4	7
27	Is two better than one? Muscle vibration plus robotic rehabilitation to improve upper limb spasticity and function: A pilot randomized controlled trial. PLoS ONE, 2017, 12, e0185936.	1.1	52
28	Could autonomic system assessment be helpful in disorders of consciousness diagnosis? A neurophysiological study. Experimental Brain Research, 2016, 234, 2189-2199.	0.7	25
29	Transcranial Alternating Current Stimulation in Patients with Chronic Disorder of Consciousness: A Possible Way to Cut the Diagnostic Gordian Knot?. Brain Topography, 2016, 29, 623-644.	0.8	39
30	Towards a method to differentiate chronic disorder of consciousness patients' awareness: The Low-Resolution Brain Electromagnetic Tomography Analysis. Journal of the Neurological Sciences, 2016, 368, 178-183.	0.3	27
31	Do you see me? The role of visual fixation in chronic disorders of consciousness differential diagnosis. Brain Research, 2016, 1653, 59-66.	1.1	17
32	Unravelling motor networks in patients with chronic disorders of consciousness: A promising minimally invasive approach. Brain Research, 2016, 1646, 262-268.	1.1	6
33	Robotic gait rehabilitation and substitution devices in neurological disorders: where are we now?. Neurological Sciences, 2016, 37, 503-514.	0.9	171
34	Role of tDCS in potentiating poststroke computerized cognitive rehabilitation: Lessons learned from a case study. Applied Neuropsychology Adult, 2016, 23, 162-166.	0.7	7
35	Evaluating Sativex^{Â®}in Neuropathic Pain Management: A Clinical and Neurophysiological Assessment in Multiple Sclerosis. Pain Medicine, 2016, 17, pnv080.	0.9	46
36	Does Transcranial Alternating Current Stimulation Induce Cerebellum Plasticity? Feasibility, Safety and Efficacy of a Novel Electrophysiological Approach. Brain Stimulation, 2016, 9, 388-395.	0.7	58

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37	Who May Benefit From Armeo Power Treatment? A Neurophysiological Approach to Predict Neurorehabilitation Outcomes. PM and R, 2016, 8, 971-978.	0.9	43
38	Do unresponsive wakefulness syndrome patients feel pain? Role of laser-evoked potential-induced gamma-band oscillations in detecting cortical pain processing. Neuroscience, 2016, 317, 141-148.	1.1	17
39	Cortical connectivity modulation induced by cerebellar oscillatory transcranial direct current stimulation in patients with chronic disorders of consciousness: A marker of covert cognition?. Clinical Neurophysiology, 2016, 127, 1845-1854.	0.7	48
40	Could combined sleep and pain evaluation be useful in the diagnosis of disorders of consciousness (DOC)? Preliminary findings. Brain Injury, 2016, 30, 159-163.	0.6	20
41	Tele-health-care in the elderly living in nursing home: the first Sicilian multimodal approach. Aging Clinical and Experimental Research, 2016, 28, 753-759.	1.4	46
42	Robotic neurorehabilitation in patients with chronic stroke. International Journal of Rehabilitation Research, 2015, 38, 219-225.	0.7	38
43	Do post-stroke patients benefit from robotic verticalization? A pilot-study focusing onÂaÂnovel neurophysiological approach. Restorative Neurology and Neuroscience, 2015, 33, 671-681.	0.4	32
44	Visuo-motor integration in unresponsive wakefulness syndrome: A piece of the puzzle towards consciousness detection?. Restorative Neurology and Neuroscience, 2015, 33, 447-460.	0.4	13
45	Cortical Responsiveness to Nociceptive Stimuli in Patients with Chronic Disorders of Consciousness: Do C-Fiber Laser Evoked Potentials Have a Role?. PLoS ONE, 2015, 10, e0144713.	1.1	14
46	Sativex in the Management of Multiple Sclerosis-Related Spasticity: Role of the Corticospinal Modulation. Neural Plasticity, 2015, 2015, 1-6.	1.0	31
47	Audiomotor Integration in Minimally Conscious State: Proof of Concept!. Neural Plasticity, 2015, 2015, 1-12.	1.0	14
48	Lokomat training in vascular dementia: motor improvement and beyond!. Aging Clinical and Experimental Research, 2015, 27, 935-937.	1.4	20
49	A Single Session of Repetitive Transcranial Magnetic Stimulation Over the Dorsolateral Prefrontal Cortex in Patients With Unresponsive Wakefulness Syndrome. Neurorehabilitation and Neural Repair, 2015, 29, 603-613.	1.4	68
50	Shaping Thalamo-cortical Plasticity: A Marker of Cortical Pain Integration in Patients With Post-anoxic Unresponsive Wakefulness Syndrome?. Brain Stimulation, 2015, 8, 97-104.	0.7	15
51	Treatment of refractory generalized status epilepticus in a patient with unresponsive wakefulness syndrome: Is neuromodulation the future?. Epilepsy and Behavior, 2015, 50, 96-97.	0.9	4
52	Can transcranial direct current stimulation be useful in differentiating unresponsive wakefulness syndrome from minimally conscious state patients?. Restorative Neurology and Neuroscience, 2015, 33, 159-176.	0.4	40
53	Moving Toward Conscious Pain Processing Detection in Chronic Disorders of Consciousness: Anterior Cingulate Cortex Neuromodulation. Journal of Pain, 2015, 16, 1022-1031.	0.7	26
54	Repetitive transcranial magnetic stimulation induced slow wave activity modification: A possible role in disorder of consciousness differential diagnosis?. Consciousness and Cognition, 2015, 38, 1-8.	0.8	21

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55	Pudendal nerve stimulation: A potential tool for neurogenic bowel dysfunction!. Neurourology and Urodynamics, 2014, 33, 358-359.	0.8	1
56	Sexual Dysfunction Induced by Intrathecal Baclofen Administration: Is This the Price to Pay for Severe Spasticity Management?. Journal of Sexual Medicine, 2014, 11, 1807-1815.	0.3	17
57	Sexual dysfunction in male patients with multiple sclerosis: a need for counseling!. International Journal of Neuroscience, 2014, 124, 547-557.	0.8	41
58	Neurovascular Complications of Ovarian Hyperstimulation Syndrome (OHSS): From Pathophysiology to Recent Treatment Options. Recent Patents on Endocrine, Metabolic & Immune Drug Discovery, 2014, 8, 109-116.	0.7	7
59	Can cranioplasty be effective in improving cognitive and motor function in patients with chronic disorders of consciousness? a case report. Turkish Neurosurgery, 2014, 25, 193-6.	0.1	10