

Francesco Piccione

List of Publications by Year in descending order

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79
papers

2,511
citations

186265
28
h-index

214800
47
g-index

82
all docs

82
docs citations

82
times ranked

3043
citing authors

#	ARTICLE	IF	CITATIONS
1	P300-based brain computer interface: Reliability and performance in healthy and paralysed participants. <i>Clinical Neurophysiology</i> , 2006, 117, 531-537.	1.5	286
2	Brain-Computer Interface in Stroke: A Review of Progress. <i>Clinical EEG and Neuroscience</i> , 2011, 42, 245-252.	1.7	196
3	Satisfaction with care in post-stroke patients undergoing a telerehabilitation programme at home. <i>Journal of Telemedicine and Telecare</i> , 2008, 14, 257-260.	2.7	108
4	Intensive versus regular speech therapy in global aphasia: A controlled study. <i>Aphasiology</i> , 1996, 10, 385-394.	2.2	80
5	Virtual Environment Training Therapy for Arm Motor Rehabilitation. <i>Presence: Teleoperators and Virtual Environments</i> , 2005, 14, 732-740.	0.6	75
6	Modulation of affective symptoms and resting state activity by brain stimulation in a treatment-resistant case of obsessive-compulsive disorder. <i>Neurocase</i> , 2013, 19, 360-370.	0.6	72
7	Behavioral and Neurophysiological Effects of Repetitive Transcranial Magnetic Stimulation on the Minimally Conscious State. <i>Neurorehabilitation and Neural Repair</i> , 2011, 25, 98-102.	2.9	70
8	Effect of High-Frequency Repetitive Transcranial Magnetic Stimulation on Brain Excitability in Severely Brain-Injured Patients in Minimally Conscious or Vegetative State. <i>Brain Stimulation</i> , 2013, 6, 913-921.	1.6	67
9	Post-acute P300 predicts recovery of consciousness from traumatic vegetative state. <i>Brain Injury</i> , 2009, 23, 973-980.	1.2	64
10	Event-related brain potential modulation in patients with severe brain damage. <i>Clinical Neurophysiology</i> , 2011, 122, 719-724.	1.5	63
11	Persistent muscle fiber regeneration in long term denervation. Past, present, future. <i>European Journal of Translational Myology</i> , 2015, 25, 77.	1.7	57
12	Recovery from muscle weakness by exercise and FES: lessons from Masters, active or sedentary seniors and SCI patients. <i>Aging Clinical and Experimental Research</i> , 2017, 29, 579-590.	2.9	54
13	Atrophy, ultra-structural disorders, severe atrophy and degeneration of denervated human muscle in SCI and Aging. Implications for their recovery by Functional Electrical Stimulation, updated 2017. <i>Neurological Research</i> , 2017, 39, 660-666.	1.3	53
14	Quantitative Computed Tomography and image analysis for advanced muscle assessment. <i>European Journal of Translational Myology</i> , 2016, 26, 6015.	1.7	52
15	Transcranial direct current stimulation (tDCS) of Broca's area in chronic aphasia: A controlled outcome study. <i>Behavioural Brain Research</i> , 2013, 247, 211-216.	2.2	51
16	Effects on mobility training and de-adaptations in subjects with Spinal Cord Injury due to a Wearable Robot: a preliminary report. <i>BMC Neurology</i> , 2016, 16, 12.	1.8	49
17	Botulinum toxin treatment of apraxia of eyelid opening in progressive supranuclear palsy: Report of two cases. <i>Archives of Physical Medicine and Rehabilitation</i> , 1997, 78, 525-529.	0.9	48
18	Clinical Correlation Between Motor Evoked Potentials and Gait Recovery in Poststroke Patients. <i>Archives of Physical Medicine and Rehabilitation</i> , 2005, 86, 1874-1878.	0.9	48

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19	Coherence and Consciousness: Study of Fronto-Parietal Gamma Synchrony in Patients with Disorders of Consciousness. <i>Brain Topography</i> , 2015, 28, 570-579.	1.8	48
20	Behavioural and electrophysiological effects of tDCS to prefrontal cortex in patients with disorders of consciousness. <i>Clinical Neurophysiology</i> , 2019, 130, 231-238.	1.5	48
21	Electroencephalography in Patients With Cirrhosis. <i>Gastroenterology</i> , 2011, 141, 1680-1689.e2.	1.3	47
22	Ideomotor silence: the case of complete paralysis and brain-computer interfaces (BCI). <i>Psychological Research</i> , 2012, 76, 183-191.	1.7	41
23	Quantitative EEG Evaluation During Robot-Assisted Foot Movement. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2017, 25, 1633-1640.	4.9	41
24	Persistent muscle fiber regeneration in long term denervation. Past, present, future. <i>European Journal of Translational Myology</i> , 2015, 25, 77.	1.7	39
25	300-based brain-computer interface communication: evaluation and follow-up in amyotrophic lateral sclerosis. <i>Frontiers in Neuroscience</i> , 2009, 3, 60.	2.8	37
26	Transcranial direct current stimulation over the sensory-motor regions inhibits gamma synchrony. <i>Human Brain Mapping</i> , 2019, 40, 2736-2746.	3.6	37
27	Amyotrophic lateral sclerosis progression and stability of brain-computer interface communication. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2013, 14, 390-396.	1.7	35
28	Working Memory in Amyotrophic Lateral Sclerosis: Auditory Event-Related Potentials and Neuropsychological Evidence. <i>Journal of Clinical Neurophysiology</i> , 2010, 27, 198-206.	1.7	30
29	Covert Visuospatial Attention Orienting in a Brain-Computer Interface for Amyotrophic Lateral Sclerosis Patients. <i>Neurorehabilitation and Neural Repair</i> , 2013, 27, 430-438.	2.9	30
30	In complete SCI patients, long-term functional electrical stimulation of permanent denervated muscles increases epidermis thickness. <i>Neurological Research</i> , 2018, 40, 277-282.	1.3	29
31	Lost in number space after right brain damage: A neural signature of representational neglect. <i>Cortex</i> , 2008, 44, 449-453.	2.4	27
32	Bilateral Transcranial Direct Current Stimulation Reshapes Resting-State Brain Networks: A Magnetoencephalography Assessment. <i>Neural Plasticity</i> , 2018, 2018, 1-10.	2.2	26
33	Resting state network connectivity is attenuated by fMRI acoustic noise. <i>NeuroImage</i> , 2022, 247, 118791.	4.2	26
34	A BCI Teleoperated Museum Robotic Guide. , 2009, , .		23
35	Cortical gamma-synchrony measured with magnetoencephalography is a marker of clinical status and predicts clinical outcome in stroke survivors. <i>NeuroImage: Clinical</i> , 2019, 24, 102092.	2.7	23
36	Causal role of the posterior parietal cortex for two-digit mental subtraction and addition: A repetitive TMS study. <i>NeuroImage</i> , 2017, 155, 72-81.	4.2	22

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37	Predicting Motor and Cognitive Improvement Through Machine Learning Algorithm in Human Subject that Underwent a Rehabilitation Treatment in the Early Stage of Stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2018, 27, 2962-2972.	1.6	22
38	Reinforced Feedback in Virtual Environment Facilitates the Arm Motor Recovery in Patients after a Recent Stroke. , 2007, , .		21
39	Repeated sessions of sub-threshold 20-Hz rTMS. Potential cumulative effects in a brain-injured patient. <i>Clinical Neurophysiology</i> , 2012, 123, 1893-1895.	1.5	21
40	Magnetoencephalography in Stroke Recovery and Rehabilitation. <i>Frontiers in Neurology</i> , 2016, 7, 35.	2.4	20
41	Assessment of Event-Related EEG Power After Single-Pulse TMS in Unresponsive Wakefulness Syndrome and Minimally Conscious State Patients. <i>Brain Topography</i> , 2016, 29, 322-333.	1.8	20
42	To Contrast and Reverse Skeletal Muscle Atrophy by Full-Body In-Bed Gym, a Mandatory Lifestyle for Older Olds and Borderline Mobility-Impaired Persons. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1088, 549-560.	1.6	20
43	Skeletal muscle weakness in older adults home-restricted due to COVID-19 pandemic: a role for full-body in-bed gym and functional electrical stimulation. <i>Aging Clinical and Experimental Research</i> , 2021, 33, 2053-2059.	2.9	20
44	Preservation of Auditory P300-Like Potentials in Cortical Deafness. <i>PLoS ONE</i> , 2012, 7, e29909.	2.5	18
45	Effects of Functional Electrical Stimulation Lower Extremity Training in Myotonic Dystrophy Type I. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2016, 95, 809-817.	1.4	18
46	Lateralization of Motor Cortex Excitability in Stroke Patients during Action Observation: A TMS Study. <i>BioMed Research International</i> , 2014, 2014, 1-7.	1.9	17
47	Brain Connectivity Modulation After Exoskeleton-Assisted Gait in Chronic Hemiplegic Stroke Survivors. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2020, 99, 694-700.	1.4	16
48	Irreversible subacute sclerotic combined degeneration of the spinal cord in a vegan subject. <i>Nutrition</i> , 2007, 23, 622-624.	2.4	15
49	Two years of Functional Electrical Stimulation by large surface electrodes for denervated muscles improve skin epidermis in SCI. <i>European Journal of Translational Myology</i> , 2018, 28, 7373.	1.7	14
50	Post-stroke arm motor telerehabilitation web-based. , 2006, , .		13
51	Muscle histopathology in upper motor neuron-dominant amyotrophic lateral sclerosis. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2008, 9, 287-293.	2.1	13
52	Auditory driven gamma synchrony is associated with cortical thickness in widespread cortical areas. <i>NeuroImage</i> , 2022, 255, 119175.	4.2	13
53	Exogenous and endogenous orienting of visuospatial attention in P300-guided brain computer interfaces: A pilot study on healthy participants. <i>Clinical Neurophysiology</i> , 2012, 123, 774-779.	1.5	12
54	Selective attention impairment in amyotrophic lateral sclerosis. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2016, 17, 236-244.	1.7	11

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55	Pearl and pitfalls in brain functional analysis by event-related potentials: a narrative review by the Italian Psychophysiology and Cognitive Neuroscience Society on methodological limits and clinical reliabilityâ€”part II. <i>Neurological Sciences</i> , 2020, 41, 3503-3515.	1.9	11
56	Dopaminergic Medication Modulates Learning from Feedback and Error-Related Negativity in Parkinsonâ€™s Disease: A Pilot Study. <i>Frontiers in Behavioral Neuroscience</i> , 2016, 10, 205.	2.0	10
57	Emotionally Focused Couple Therapy With Neurodegenerative Diseases: A Pilot Study. <i>American Journal of Family Therapy</i> , The, 2017, 45, 15-26.	1.1	10
58	Behavioral and Cortical Effects during Attention Driven Brain-Computer Interface Operations in Spatial Neglect: A Feasibility Case Study. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 336.	2.0	10
59	Fighting muscle weakness in advanced aging by take-home strategies: Safe anti-aging full-body in-bed gym and functional electrical stimulation (FES) for mobility compromised elderly people. <i>Biology, Engineering and Medicine</i> , 2016, 1, .	0.1	8
60	Kinematic and Neurophysiological Consequences of an Assisted-Force-Feedback Brain-Machine Interface Training: A Case Study. <i>Frontiers in Neurology</i> , 2013, 4, 173.	2.4	7
61	Rehabilitative management of pelvic fractures: a literature-based update. <i>European Journal of Translational Myology</i> , 2021, 31, .	1.7	7
62	Improving the Efficacy of ERP-Based BCIs Using Different Modalities of Covert Visuospatial Attention and a Genetic Algorithm-Based Classifier. <i>PLoS ONE</i> , 2013, 8, e53946.	2.5	6
63	Brain-computer interface in chronic stroke: An application of sensorimotor closed-loop and contingent force feedback. , 2013, , .		6
64	EEG to Identify Attempted Movement in Unresponsive Wakefulness Syndrome. <i>Clinical EEG and Neuroscience</i> , 2020, 51, 339-347.	1.7	6
65	Reinforcement Feedback in Virtual Environment vs. Conventional Physical Therapy for arm motor deficit after Stroke. , 2007, , .		4
66	An EEG-Based BCI Platform to Improve Arm Reaching Ability of Chronic Stroke Patients by Means of an Operant Learning Training with a Contingent Force Feedback. <i>International Journal of E-Health and Medical Communications</i> , 2014, 5, 114-134.	1.6	4
67	Preprocessing by a Bayesian Single-Trial Event-Related Potential Estimation Technique Allows Feasibility of an Assistive Single-Channel P300-Based Brain-Computer Interface. <i>Computational and Mathematical Methods in Medicine</i> , 2014, 2014, 1-9.	1.3	4
68	Letter to the Editor. <i>Multiple Sclerosis Journal</i> , 2002, 8, 179-179.	3.0	3
69	Integration of a P300 Brain Computer Interface into Virtual Environment. , 2007, , .		3
70	Reply on the comments about Piccione F, Maccarone MC, Cortese AM, Rocca G, Sansubirino U, Piran G, Masiero S. Rehabilitative management of pelvic fractures: a literature-based update. <i>Eur J Transl Myol</i> . 2021 Sep 17;31(3):9933. doi: 10.4081/ejtm.2021.9933. <i>European Journal of Translational Myology</i> , 2021, 31, .	1.7	3
71	Spatial attention orienting to improve the efficacy of a brain-computer interface for communication. , 2011, , .		2
72	Neurophysiological Evidence of Motor Network Reorganization in Myotonic Dystrophy Type 1. <i>Journal of Clinical Neurophysiology</i> , 2019, 36, 74-81.	1.7	1

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73	An application of Brain Computer Interface in chronic stroke to improve arm reaching function exploiting operant learning strategy and brain plasticity. , 2013, , .		0
74	Comparison about EEG signals processing in BCI applications. , 2014, , .		0
75	Brain Electrophysiology in Disorders of Consciousness: Diagnostic and Prognostic Utility. , 2016, , 105-118.		0
76	Safe Antiaging Full-Body In-Bed Gym and FES for Lazy Persons: Home In-Bed Exercises for Fighting Muscle Weakness in Advanced Age. Practical Issues in Geriatrics, 2018, , 43-51.	0.8	0
77	Combined botulinum toxin type A and electrical stimulation in individuals with C5â€C6 and C6â€C7 tetraplegia: a pilot study. Spinal Cord Series and Cases, 2020, 6, 70.	0.6	0
78	Muscle Fiber Regeneration in Long-Term Denervated Muscles: Basics and Clinical Perspectives. , 2019, , 301-309.		0
79	Masked myoclonus in corticobasal degeneration: neurophysiological study of a case. Electromyography and Clinical Neurophysiology, 2002, 42, 57-63.	0.2	0