

Francesco Piccione

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

2,511
citations

185998

28
h-index

214527

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. | 0.7 | 286 |
| 2 | Brain-Computer Interface in Stroke: A Review of Progress. <i>Clinical EEG and Neuroscience</i> , 2011, 42, 245-252. | 0.9 | 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. | 1.4 | 108 |
| 4 | Intensive versus regular speech therapy in global aphasia: A controlled study. <i>Aphasiology</i> , 1996, 10, 385-394. | 1.4 | 80 |
| 5 | Virtual Environment Training Therapy for Arm Motor Rehabilitation. <i>Presence: Teleoperators and Virtual Environments</i> , 2005, 14, 732-740. | 0.3 | 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. | 0.2 | 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. | 1.4 | 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. | 0.7 | 67 |
| 9 | Post-acute P300 predicts recovery of consciousness from traumatic vegetative state. <i>Brain Injury</i> , 2009, 23, 973-980. | 0.6 | 64 |
| 10 | Event-related brain potential modulation in patients with severe brain damage. <i>Clinical Neurophysiology</i> , 2011, 122, 719-724. | 0.7 | 63 |
| 11 | Persistent muscle fiber regeneration in long term denervation. Past, present, future. <i>European Journal of Translational Myology</i> , 2015, 25, 77. | 0.8 | 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. | 1.4 | 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. | 0.6 | 53 |
| 14 | Quantitative Computed Tomography and image analysis for advanced muscle assessment. <i>European Journal of Translational Myology</i> , 2016, 26, 6015. | 0.8 | 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. | 1.2 | 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. | 0.8 | 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. | 0.5 | 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. | 0.5 | 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. | 0.8 | 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. | 0.7 | 48 |
| 21 | Electroencephalography in Patients With Cirrhosis. <i>Gastroenterology</i> , 2011, 141, 1680-1689.e2. | 0.6 | 47 |
| 22 | Ideomotor silence: the case of complete paralysis and brain-computer interfaces (BCI). <i>Psychological Research</i> , 2012, 76, 183-191. | 1.0 | 41 |
| 23 | Quantitative EEG Evaluation During Robot-Assisted Foot Movement. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2017, 25, 1633-1640. | 2.7 | 41 |
| 24 | Persistent muscle fiber regeneration in long term denervation. Past, present, future. <i>European Journal of Translational Myology</i> , 2015, 25, 77. | 0.8 | 39 |
| 25 | 300-based brain-computer interface communication: evaluation and follow-up in amyotrophic lateral sclerosis. <i>Frontiers in Neuroscience</i> , 2009, 3, 60. | 1.4 | 37 |
| 26 | Transcranial direct current stimulation over the sensory-motor regions inhibits gamma synchrony. <i>Human Brain Mapping</i> , 2019, 40, 2736-2746. | 1.9 | 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. | 1.1 | 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. | 0.9 | 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. | 1.4 | 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. | 0.6 | 29 |
| 31 | Lost in number space after right brain damage: A neural signature of representational neglect. <i>Cortex</i> , 2008, 44, 449-453. | 1.1 | 27 |
| 32 | Bilateral Transcranial Direct Current Stimulation Reshapes Resting-State Brain Networks: A Magnetoencephalography Assessment. <i>Neural Plasticity</i> , 2018, 2018, 1-10. | 1.0 | 26 |
| 33 | Resting state network connectivity is attenuated by fMRI acoustic noise. <i>NeuroImage</i> , 2022, 247, 118791. | 2.1 | 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. | 1.4 | 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. | 2.1 | 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. | 0.7 | 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. | 0.7 | 21 |
| 40 | Magnetoencephalography in Stroke Recovery and Rehabilitation. <i>Frontiers in Neurology</i> , 2016, 7, 35. | 1.1 | 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. | 0.8 | 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. | 0.8 | 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. | 1.4 | 20 |
| 44 | Preservation of Auditory P300-Like Potentials in Cortical Deafness. <i>PLoS ONE</i> , 2012, 7, e29909. | 1.1 | 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. | 0.7 | 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. | 0.9 | 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. | 0.7 | 16 |
| 48 | Irreversible subacute sclerotic combined degeneration of the spinal cord in a vegan subject. <i>Nutrition</i> , 2007, 23, 622-624. | 1.1 | 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. | 0.8 | 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. | 2.3 | 13 |
| 52 | Auditory driven gamma synchrony is associated with cortical thickness in widespread cortical areas. <i>NeuroImage</i> , 2022, 255, 119175. | 2.1 | 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. | 0.7 | 12 |
| 54 | Selective attention impairment in amyotrophic lateral sclerosis. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2016, 17, 236-244. | 1.1 | 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. | 0.9 | 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. | 1.0 | 10 |
| 57 | Emotionally Focused Couple Therapy With Neurodegenerative Diseases: A Pilot Study. <i>American Journal of Family Therapy</i> , The, 2017, 45, 15-26. | 0.8 | 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. | 1.0 | 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. | 1.1 | 7 |
| 61 | Rehabilitative management of pelvic fractures: a literature-based update. <i>European Journal of Translational Myology</i> , 2021, 31, . | 0.8 | 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. | 1.1 | 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. | 0.9 | 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. | 1.4 | 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. | 0.7 | 4 |
| 68 | Letter to the Editor. <i>Multiple Sclerosis Journal</i> , 2002, 8, 179-179. | 1.4 | 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, . | 0.8 | 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. | 0.9 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 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. | 0.3 | 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. | 0.3 | 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 |