

# Paolo M Rossini

## List of Publications by Year in descending order

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Version: 2024-02-01

476  
papers

37,270  
citations

4120

87  
h-index

5227

165  
g-index

490  
all docs

490  
docs citations

490  
times ranked

30099  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Safety, ethical considerations, and application guidelines for the use of transcranial magnetic stimulation in clinical practice and research. <i>Clinical Neurophysiology</i> , 2009, 120, 2008-2039.                | 0.7 | 4,364     |
| 2  | Evidence-based guidelines on the therapeutic use of repetitive transcranial magnetic stimulation (rTMS). <i>Clinical Neurophysiology</i> , 2014, 125, 2150-2206.  | 0.7 | 1,647     |
| 3  | Expression of ectonucleotidase CD39 by Foxp3+ Treg cells: hydrolysis of extracellular ATP and immune suppression. <i>Blood</i> , 2007, 110, 1225-1232.  | 0.6 | 1,074     |
| 4  | Restoring Natural Sensory Feedback in Real-Time Bidirectional Hand Prostheses. <i>Science Translational Medicine</i> , 2014, 6, 222ra19.  | 5.8 | 805       |
| 5  | Safety and recommendations for TMS use in healthy subjects and patient populations, with updates on training, ethical and regulatory issues: Expert Guidelines. <i>Clinical Neurophysiology</i> , 2021, 132, 269-306. | 0.7 | 553       |
| 6  | Screening questionnaire before TMS: An update. <i>Clinical Neurophysiology</i> , 2011, 122, 1686.   | 0.7 | 456       |
| 7  | Transcranial magnetic stimulation: Diagnostic, therapeutic, and research potential. <i>Neurology</i> , 2007, 68, 484-488.   | 1.5 | 436       |
| 8  | Motor cortical disinhibition in the unaffected hemisphere after unilateral cortical stroke. <i>Brain</i> , 2002, 125, 1896-1907.  | 3.7 | 435       |
| 9  | Clinical neurophysiology of aging brain: From normal aging to neurodegeneration. <i>Progress in Neurobiology</i> , 2007, 83, 375-400.   | 2.8 | 428       |
| 10 | Validity of the Italian Version of the Pittsburgh Sleep Quality Index (PSQI). <i>Neurological Sciences</i> , 2013, 34, 511-519.   | 0.9 | 406       |
| 11 | Post-stroke plastic reorganisation in the adult brain. <i>Lancet Neurology</i> , The, 2003, 2, 493-502.   | 4.9 | 397       |
| 12 | Mapping of Motor Cortical Reorganization After Stroke. <i>Stroke</i> , 1997, 28, 110-117.   | 1.0 | 372       |
| 13 | Double nerve intraneural interface implant on a human amputee for robotic hand control. <i>Clinical Neurophysiology</i> , 2010, 121, 777-783.   | 0.7 | 367       |
| 14 | Human Movement-Related Potentials vs Desynchronization of EEG Alpha Rhythm: A High-Resolution EEG Study. <i>NeuroImage</i> , 1999, 10, 658-665.   | 2.1 | 313       |
| 15 | Individual analysis of EEG frequency and band power in mild Alzheimer's disease. <i>Clinical Neurophysiology</i> , 2004, 115, 299-308.  | 0.7 | 311       |
| 16 | Consensus paper: Combining transcranial stimulation with neuroimaging. <i>Brain Stimulation</i> , 2009, 2, 58-80.   | 0.7 | 299       |
| 17 | Dynamics of male sexual arousal: distinct components of brain activation revealed by fMRI. <i>NeuroImage</i> , 2005, 26, 1086-1096.   | 2.1 | 287       |
| 18 | Intraneural stimulation elicits discrimination of textural features by artificial fingertip in intact and amputee humans. <i>ELife</i> , 2016, 5, e09148.   | 2.8 | 286       |

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|----|--|-----|-----------|
| 19 | Outcome of Carotid Artery Occlusion Is Predicted by Cerebrovascular Reactivity. <i>Stroke</i> , 1999, 30, 593-598.   | 1.0 | 278       |
| 20 | Biomimetic Intra-neural Sensory Feedback Enhances Sensation Naturalness, Tactile Sensitivity, and Manual Dexterity in a Bidirectional Prosthesis. <i>Neuron</i> , 2018, 100, 37-45.e7.         | 3.8 | 265       |
| 21 | Sources of cortical rhythms change as a function of cognitive impairment in pathological aging: a multicenter study. <i>Clinical Neurophysiology</i> , 2006, 117, 252-268.                     | 0.7 | 260       |
| 22 | Prefrontal cortex in long-term memory: an "interference" approach using magnetic stimulation. <i>Nature Neuroscience</i> , 2001, 4, 948-952.   | 7.1 | 259       |
| 23 | Optimization of an independent component analysis approach for artifact identification and removal in magnetoencephalographic signals. <i>Clinical Neurophysiology</i> , 2004, 115, 1220-1232. | 0.7 | 259       |
| 24 | Naming facilitation induced by transcranial direct current stimulation. <i>Behavioural Brain Research</i> , 2010, 208, 311-318.  | 1.2 | 256       |
| 25 | Mapping distributed sources of cortical rhythms in mild Alzheimer's disease. A multicentric EEG study. <i>NeuroImage</i> , 2004, 22, 57-67.  | 2.1 | 253       |
| 26 | Sources of cortical rhythms in adults during physiological aging: A multicentric EEG study. <i>Human Brain Mapping</i> , 2006, 27, 162-172.  | 1.9 | 253       |
| 27 | Effect of Collateral Blood Flow and Cerebral Vasomotor Reactivity on the Outcome of Carotid Artery Occlusion. <i>Stroke</i> , 2001, 32, 1552-1558.   | 1.0 | 229       |
| 28 | The electroencephalographic fingerprint of sleep is genetically determined: A twin study. <i>Annals of Neurology</i> , 2008, 64, 455-460.  | 2.8 | 228       |
| 29 | Human brain connectivity during single and paired pulse transcranial magnetic stimulation. <i>NeuroImage</i> , 2011, 54, 90-102.   | 2.1 | 204       |
| 30 | Human Cortical Electroencephalography (EEG) Rhythms during the Observation of Simple Aimless Movements: A High-Resolution EEG Study. <i>NeuroImage</i> , 2002, 17, 559-572.                    | 2.1 | 198       |
| 31 | A closed-loop hand prosthesis with simultaneous intraneural tactile and position feedback. <i>Science Robotics</i> , 2019, 4, .  | 9.9 | 198       |
| 32 | Follow-up of interhemispheric differences of motor evoked potentials from the 'affected' and 'unaffected' hemispheres in human stroke. <i>Brain Research</i> , 1998, 803, 1-8.                 | 1.1 | 191       |
| 33 | Interhemispheric Asymmetries of Motor Cortex Excitability in the Postacute Stroke Stage. <i>Stroke</i> , 2003, 34, 2653-2658.  | 1.0 | 190       |
| 34 | Effect of Transcranial Magnetic Stimulation on Action Naming in Patients With Alzheimer Disease. <i>Archives of Neurology</i> , 2006, 63, 1602.  | 4.9 | 189       |
| 35 | Motor cortex excitability in Alzheimer's disease: A transcranial magnetic stimulation study. <i>Annals of Neurology</i> , 2003, 53, 102-108.   | 2.8 | 182       |
| 36 | Clinical applications of motor evoked potentials. <i>Electroencephalography and Clinical Neurophysiology</i> , 1998, 106, 180-194.   | 0.3 | 181       |

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|----|--|-----|-----------|
| 37 | Age-Related Functional Changes of Prefrontal Cortex in Long-Term Memory: A Repetitive Transcranial Magnetic Stimulation Study. <i>Journal of Neuroscience</i> , 2004, 24, 7939-7944.                           | 1.7 | 171       |
| 38 | TMS in cognitive plasticity and the potential for rehabilitation. <i>Trends in Cognitive Sciences</i> , 2004, 8, 273-279.  | 4.0 | 159       |
| 39 | Fronto-parietal coupling of brain rhythms in mild cognitive impairment: A multicentric EEG study. <i>Brain Research Bulletin</i> , 2006, 69, 63-73.  | 1.4 | 159       |
| 40 | Stratified medicine for mental disorders. <i>European Neuropsychopharmacology</i> , 2014, 24, 5-50.  | 0.3 | 152       |
| 41 | Frontal white matter volume and delta EEG sources negatively correlate in awake subjects with mild cognitive impairment and Alzheimer's disease. <i>Clinical Neurophysiology</i> , 2006, 117, 1113-1129.       | 0.7 | 150       |
| 42 | Slow Repetitive TMS for Drug-resistant Epilepsy: Clinical and EEG Findings of a Placebo-controlled Trial. <i>Epilepsia</i> , 2007, 48, 366-374.  | 2.6 | 150       |
| 43 | Carpal tunnel syndrome modifies sensory hand cortical somatotopy: A MEG study. <i>Human Brain Mapping</i> , 2002, 17, 28-36.   | 1.9 | 146       |
| 44 | Hippocampal volume and cortical sources of EEG alpha rhythms in mild cognitive impairment and Alzheimer disease. <i>NeuroImage</i> , 2009, 44, 123-135.  | 2.1 | 145       |
| 45 | Pre- and Poststimulus Alpha Rhythms Are Related to Conscious Visual Perception: A High-Resolution EEG Study. <i>Cerebral Cortex</i> , 2005, 16, 1690-1700.   | 1.6 | 143       |
| 46 | Resting state cortical electroencephalographic rhythms are related to gray matter volume in subjects with mild cognitive impairment and Alzheimer's disease. <i>Human Brain Mapping</i> , 2013, 34, 1427-1446. | 1.9 | 142       |
| 47 | Human Brain Networks in Cognitive Decline: A Graph Theoretical Analysis of Cortical Connectivity from EEG Data. <i>Journal of Alzheimer's Disease</i> , 2014, 41, 113-127.                                     | 1.2 | 142       |
| 48 | A randomized controlled study on effects of ibuprofen on cognitive progression of Alzheimer's disease. <i>Aging Clinical and Experimental Research</i> , 2009, 21, 102-110.                                    | 1.4 | 140       |
| 49 | Six-Month Assessment of a Hand Prosthesis with Intra-neural Tactile Feedback. <i>Annals of Neurology</i> , 2019, 85, 137-154.  | 2.8 | 140       |
| 50 | Connectome: Graph theory application in functional brain network architecture. <i>Clinical Neurophysiology Practice</i> , 2017, 2, 206-213.  | 0.6 | 139       |
| 51 | Abnormal fronto-parietal coupling of brain rhythms in mild Alzheimer's disease: a multicentric EEG study. <i>European Journal of Neuroscience</i> , 2004, 19, 2583-2590.                                       | 1.2 | 137       |
| 52 | Effect of repetitive transcranial magnetic stimulation on serum brain derived neurotrophic factor in drug resistant depressed patients. <i>Journal of Affective Disorders</i> , 2006, 91, 83-86.               | 2.0 | 137       |
| 53 | Interhemispheric differences of hand muscle representation in human motor cortex. , 1997, 20, 535-542.   |     | 135       |
| 54 | Directionality of EEG synchronization in Alzheimer's disease subjects. <i>Neurobiology of Aging</i> , 2009, 30, 93-102.  | 1.5 | 132       |

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|----|---|-----|-----------|
| 55 | The Role of Prefrontal Cortex in Verbal Episodic Memory: rTMS Evidence. <i>Journal of Cognitive Neuroscience</i> , 2003, 15, 855-861.   | 1.1 | 130       |
| 56 | Neurophysiological follow-up of motor cortical output in stroke patients. <i>Clinical Neurophysiology</i> , 2000, 111, 1695-1703.   | 0.7 | 129       |
| 57 | Repetitive transcranial magnetic stimulation versus electroconvulsive therapy for major depression: A systematic review and meta-analysis. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2014, 51, 181-189. | 2.5 | 127       |
| 58 | Brain excitability and connectivity of neuronal assemblies in Alzheimer's disease: From animal models to human findings. <i>Progress in Neurobiology</i> , 2012, 99, 42-60.   | 2.8 | 124       |
| 59 | Alpha, beta and gamma electrocorticographic rhythms in somatosensory, motor, premotor and prefrontal cortical areas differ in movement execution and observation in humans. <i>Clinical Neurophysiology</i> , 2016, 127, 641-654.     | 0.7 | 119       |
| 60 | Contribution of transcranial magnetic stimulation to assessment of brain connectivity and networks. <i>Clinical Neurophysiology</i> , 2017, 128, 2125-2139.   | 0.7 | 119       |
| 61 | Parietal Fast Sleep Spindle Density Decrease in Alzheimer's Disease and Amnesic Mild Cognitive Impairment. <i>Neural Plasticity</i> , 2016, 2016, 1-10.   | 1.0 | 117       |
| 62 | Is there a "neural efficiency" in athletes? A high-resolution EEG study. <i>NeuroImage</i> , 2008, 42, 1544-1553.   | 2.1 | 116       |
| 63 | Sub-second "temporal attention" modulates alpha rhythms. A high-resolution EEG study. <i>Cognitive Brain Research</i> , 2004, 19, 259-268.  | 3.3 | 114       |
| 64 | Neurophysiological correlates of sleepiness: A combined TMS and EEG study. <i>NeuroImage</i> , 2007, 36, 1277-1287.   | 2.1 | 114       |
| 65 | Spatial enhancement of EEG data by surface Laplacian estimation: the use of magnetic resonance imaging-based head models. <i>Clinical Neurophysiology</i> , 2001, 112, 724-727.   | 0.7 | 113       |
| 66 | EEG characteristics in "eyes-open" versus "eyes-closed" conditions: Small-world network architecture in healthy aging and age-related brain degeneration. <i>Clinical Neurophysiology</i> , 2016, 127, 1261-1268.                     | 0.7 | 113       |
| 67 | Mobile phone emissions and human brain excitability. <i>Annals of Neurology</i> , 2006, 60, 188-196.  | 2.8 | 110       |
| 68 | Copper in Alzheimer's Disease: A Meta-Analysis of Serum, Plasma, and Cerebrospinal Fluid Studies. <i>Journal of Alzheimer's Disease</i> , 2011, 24, 175-185.  | 1.2 | 109       |
| 69 | Judgment of actions in experts: A high-resolution EEG study in elite athletes. <i>NeuroImage</i> , 2009, 45, 512-521.   | 2.1 | 107       |
| 70 | Brain excitability changes in the relapsing and remitting phases of multiple sclerosis: a study with transcranial magnetic stimulation. <i>Clinical Neurophysiology</i> , 2004, 115, 956-965.   | 0.7 | 106       |
| 71 | Modulation of cortical oscillatory activity during transcranial magnetic stimulation. <i>Human Brain Mapping</i> , 2008, 29, 603-612.   | 1.9 | 106       |
| 72 | On the Use of Longitudinal Intrafascicular Peripheral Interfaces for the Control of Cybernetic Hand Prostheses in Amputees. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2008, 16, 453-472.            | 2.7 | 106       |

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|----|---|-----|-----------|
| 73 | Anodal Transcranial Direct Current Stimulation Enhances Procedural Consolidation. <i>Journal of Neurophysiology</i> , 2010, 104, 1134-1140.   | 0.9 | 106       |
| 74 | Brains "in concert": Frontal oscillatory alpha rhythms and empathy in professional musicians. <i>NeuroImage</i> , 2012, 60, 105-116.  | 2.1 | 105       |
| 75 | Anticipatory Electroencephalography Alpha Rhythm Predicts Subjective Perception of Pain Intensity. <i>Journal of Pain</i> , 2006, 7, 709-717.   | 0.7 | 101       |
| 76 | Resting EEG sources correlate with attentional span in mild cognitive impairment and Alzheimer's disease. <i>European Journal of Neuroscience</i> , 2007, 25, 3742-3757.  | 1.2 | 101       |
| 77 | Multisensory bionic limb to achieve prosthesis embodiment and reduce distorted phantom limb perceptions. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019, 90, 833-836.                                  | 0.9 | 101       |
| 78 | Human secondary somatosensory cortex is involved in the processing of somatosensory rare stimuli: An fMRI study. <i>NeuroImage</i> , 2008, 40, 1765-1771.   | 2.1 | 100       |
| 79 | Modulation of corticospinal excitability by paired associative stimulation: Reproducibility of effects and intraindividual reliability. <i>Clinical Neurophysiology</i> , 2006, 117, 2667-2674.                         | 0.7 | 99        |
| 80 | Contribution of major amyotrophic lateral sclerosis genes to the etiology of sporadic disease. <i>Neurology</i> , 2012, 79, 66-72.  | 1.5 | 99        |
| 81 | Multisite longitudinal reliability of tract-based spatial statistics in diffusion tensor imaging of healthy elderly subjects. <i>NeuroImage</i> , 2014, 101, 390-403.   | 2.1 | 99        |
| 82 | Prefrontal and parietal cortex in human episodic memory: an interference study by repetitive transcranial magnetic stimulation. <i>European Journal of Neuroscience</i> , 2006, 23, 793-800.                            | 1.2 | 98        |
| 83 | Transcranial Doppler and Near-Infrared Spectroscopy Can Evaluate the Hemodynamic Effect of Carotid Artery Occlusion. <i>Stroke</i> , 2004, 35, 64-70.   | 1.0 | 97        |
| 84 | Donepezil effects on sources of cortical rhythms in mild Alzheimer's disease: Responders vs. Non-Responders. <i>NeuroImage</i> , 2006, 31, 1650-1665.   | 2.1 | 97        |
| 85 | Cortical sources of resting EEG rhythms in mild cognitive impairment and subjective memory complaint. <i>Neurobiology of Aging</i> , 2010, 31, 1787-1798.   | 1.5 | 97        |
| 86 | Functional Frontoparietal Connectivity During Short-Term Memory as Revealed by High-Resolution EEG Coherence Analysis. <i>Behavioral Neuroscience</i> , 2004, 118, 687-697.   | 0.6 | 95        |
| 87 | TMS and TMS-EEG techniques in the study of the excitability, connectivity, and plasticity of the human motor cortex. <i>Reviews in the Neurosciences</i> , 2013, 24, 431-42.  | 1.4 | 95        |
| 88 | Electroencephalographic Fractal Dimension in Healthy Ageing and Alzheimer's Disease. <i>PLoS ONE</i> , 2016, 11, e0149587.  | 1.1 | 94        |
| 89 | Changes in fronto-posterior functional coupling at sleep onset in humans. <i>Journal of Sleep Research</i> , 2004, 13, 209-217.   | 1.7 | 93        |
| 90 | Occipital sources of resting-state alpha rhythms are related to local gray matter density in subjects with amnesic mild cognitive impairment and Alzheimer's disease. <i>Neurobiology of Aging</i> , 2015, 36, 556-570. | 1.5 | 93        |

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|-----|--|------|-----------|
| 91  | Estimation of the effective and functional human cortical connectivity with structural equation modeling and directed transfer function applied to high-resolution EEG. <i>Magnetic Resonance Imaging</i> , 2004, 22, 1457-1470. | 1.0  | 92        |
| 92  | Apolipoprotein E and alpha brain rhythms in mild cognitive impairment: A multicentric Electroencephalogram study. <i>Annals of Neurology</i> , 2006, 59, 323-334.  | 2.8  | 92        |
| 93  | Cortical sources of resting state electroencephalographic rhythms in Parkinson's disease related dementia and Alzheimer's disease. <i>Clinical Neurophysiology</i> , 2011, 122, 2355-2364.                                       | 0.7  | 91        |
| 94  | Inhibition of auditory cortical responses to ipsilateral stimuli during dichotic listening: evidence from magnetoencephalography. <i>European Journal of Neuroscience</i> , 2004, 19, 2329-2336.                                 | 1.2  | 90        |
| 95  | Handedness is mainly associated with an asymmetry of corticospinal excitability and not of transcallosal inhibition. <i>Clinical Neurophysiology</i> , 2004, 115, 1305-1312.   | 0.7  | 90        |
| 96  | Human Brain Networks in Physiological Aging: A Graph Theoretical Analysis of Cortical Connectivity from EEG Data. <i>Journal of Alzheimer's Disease</i> , 2014, 41, 1239-1249.   | 1.2  | 90        |
| 97  | Auditory sensory processing in autism: a magnetoencephalographic study. <i>Biological Psychiatry</i> , 2003, 54, 647-654.  | 0.7  | 89        |
| 98  | Decoding of grasping information from neural signals recorded using peripheral intrafascicular interfaces. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2011, 8, 53.  | 2.4  | 89        |
| 99  | Imagery-induced Cortical Excitability Changes in Stroke: A Transcranial Magnetic Stimulation Study. <i>Cerebral Cortex</i> , 2006, 16, 247-253.  | 1.6  | 86        |
| 100 | Is it possible to automatically distinguish resting EEG data of normal elderly vs. mild cognitive impairment subjects with high degree of accuracy?. <i>Clinical Neurophysiology</i> , 2008, 119, 1534-1545.                     | 0.7  | 85        |
| 101 | Longitudinal reproducibility of default-mode network connectivity in healthy elderly participants: A multicentric resting-state fMRI study. <i>NeuroImage</i> , 2016, 124, 442-454.  | 2.1  | 85        |
| 102 | "Small World" architecture in brain connectivity and hippocampal volume in Alzheimer's disease: a study via graph theory from EEG data. <i>Brain Imaging and Behavior</i> , 2017, 11, 473-485.                                   | 1.1  | 85        |
| 103 | Sleep and $\beta$ -Amyloid Deposition in Alzheimer Disease: Insights on Mechanisms and Possible Innovative Treatments. <i>Frontiers in Pharmacology</i> , 2019, 10, 695.   | 1.6  | 85        |
| 104 | Brain plasticity in recovery from stroke: An MEG assessment. <i>NeuroImage</i> , 2006, 32, 1326-1334.  | 2.1  | 84        |
| 105 | Decoding Information From Neural Signals Recorded Using Intraneural Electrodes: Toward the Development of a Neurocontrolled Hand Prosthesis. <i>Proceedings of the IEEE</i> , 2010, 98, 407-417.                                 | 16.4 | 84        |
| 106 | Sensorimotor cortex excitability and connectivity in Alzheimer's disease: A TMS-EEG Co-registration study. <i>Human Brain Mapping</i> , 2016, 37, 2083-2096.   | 1.9  | 84        |
| 107 | Functional topography of the secondary somatosensory cortex for nonpainful and painful stimuli: an fMRI study. <i>NeuroImage</i> , 2003, 20, 1625-1638.  | 2.1  | 82        |
| 108 | Multimodal integration of EEG, MEG and fMRI data for the solution of the neuroimage puzzle. <i>Magnetic Resonance Imaging</i> , 2004, 22, 1471-1476.   | 1.0  | 81        |

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|-----|---|-----|-----------|
| 109 | Anticipatory cortical responses during the expectancy of a predictable painful stimulation. A high-resolution electroencephalography study. <i>European Journal of Neuroscience</i> , 2003, 18, 1692-1700.                      | 1.2 | 80        |
| 110 | Brain-Behavior Relations: Transcranial Magnetic Stimulation: A Review. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2010, 29, 84-96.  | 1.1 | 80        |
| 111 | Human brain cortical correlates of short-latency afferent inhibition: a combined EEG-TMS study. <i>Journal of Neurophysiology</i> , 2012, 108, 314-323.   | 0.9 | 80        |
| 112 | The Fall of Sleep K-Complex in Alzheimer Disease. <i>Scientific Reports</i> , 2017, 7, 39688.   | 1.6 | 80        |
| 113 | Ceruloplasmin/Transferrin System Is Related to Clinical Status in Acute Stroke. <i>Stroke</i> , 2009, 40, 1282-1288.  | 1.0 | 79        |
| 114 | Functional frontoparietal connectivity during encoding and retrieval processes follows HERA model. <i>Brain Research Bulletin</i> , 2006, 68, 203-212.  | 1.4 | 78        |
| 115 | Small-World Characteristics of Cortical Connectivity Changes in Acute Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2017, 31, 81-94.   | 1.4 | 78        |
| 116 | Effects of acetylcholinesterase inhibitors and memantine on resting-state electroencephalographic rhythms in Alzheimer's disease patients. <i>Clinical Neurophysiology</i> , 2013, 124, 837-850.                                | 0.7 | 77        |
| 117 | Focal brain stimulation in healthy humans: motor maps changes following partial hand sensory deprivation. <i>Neuroscience Letters</i> , 1996, 214, 191-195.   | 1.0 | 76        |
| 118 | Genotype (cystatin C) and EEG phenotype in Alzheimer disease and mild cognitive impairment: A multicentric study. <i>NeuroImage</i> , 2006, 29, 948-964.  | 2.1 | 76        |
| 119 | Time-varying coupling of EEG oscillations predicts excitability fluctuations in the primary motor cortex as reflected by motor evoked potentials amplitude: An EEG-TMS study. <i>Human Brain Mapping</i> , 2014, 35, 1969-1980. | 1.9 | 76        |
| 120 | Hemispherical Asymmetry in Human SMA During Voluntary Simple Unilateral Movements. An fMRI Study. <i>Cortex</i> , 2003, 39, 293-305.  | 1.1 | 75        |
| 121 | Transcranial magnetic stimulation in cognitive rehabilitation. <i>Neuropsychological Rehabilitation</i> , 2011, 21, 579-601.  | 1.0 | 75        |
| 122 | Corticospinal excitability modulation during mental simulation of wrist movements in human subjects. <i>Neuroscience Letters</i> , 1998, 243, 147-151.  | 1.0 | 74        |
| 123 | Mapping of early and late human somatosensory evoked brain potentials to phasic galvanic painful stimulation. <i>Human Brain Mapping</i> , 2001, 12, 168-179.   | 1.9 | 74        |
| 124 | Human brain oscillatory activity phase-locked to painful electrical stimulations: A multi-channel EEG study. <i>Human Brain Mapping</i> , 2002, 15, 112-123.  | 1.9 | 74        |
| 125 | The differential involvement of inferior parietal lobule in number comparison: a rTMS study. <i>Neuropsychologia</i> , 2004, 42, 1902-1909.   | 0.7 | 73        |
| 126 | The role of prefrontal cortex in visuo-spatial planning: a repetitive TMS study. <i>Experimental Brain Research</i> , 2006, 171, 411-415.   | 0.7 | 73        |



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|-----|---|-----|-----------|
| 127 | Anticipation of somatosensory and motor events increases centro-parietal functional coupling: An EEG coherence study. <i>Clinical Neurophysiology</i> , 2006, 117, 1000-1008.   | 0.7 | 72        |
| 128 | Mobile phone emission modulates interhemispheric functional coupling of EEG alpha rhythms. <i>European Journal of Neuroscience</i> , 2007, 25, 1908-1913.   | 1.2 | 72        |
| 129 | Brain activity preceding a 2D manual catching task. <i>NeuroImage</i> , 2009, 47, 1735-1746.  | 2.1 | 72        |
| 130 | Free Copper Distinguishes Mild Cognitive Impairment Subjects from Healthy Elderly Individuals. <i>Journal of Alzheimer's Disease</i> , 2011, 23, 239-248.   | 1.2 | 72        |
| 131 | Cortical Sources of Resting State EEG Rhythms are Sensitive to the Progression of Early Stage Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2013, 34, 1015-1035.   | 1.2 | 72        |
| 132 | Free water elimination improves test-retest reproducibility of diffusion tensor imaging indices in the brain: A longitudinal multisite study of healthy elderly subjects. <i>Human Brain Mapping</i> , 2017, 38, 12-26. | 1.9 | 72        |
| 133 | Searching for signs of aging and dementia in EEG through network analysis. <i>Behavioural Brain Research</i> , 2017, 317, 292-300.  | 1.2 | 72        |
| 134 | Visuo-spatial Consciousness and Parieto-occipital Areas: A High-resolution EEG Study. <i>Cerebral Cortex</i> , 2006, 16, 37-46.   | 1.6 | 71        |
| 135 | Lateralization of Dichotic Speech Stimuli is Based on Specific Auditory Pathway Interactions: Neuromagnetic Evidence. <i>Cerebral Cortex</i> , 2007, 17, 2303-2311.   | 1.6 | 70        |
| 136 | Defining brain-machine interface applications by matching interface performance with device requirements. <i>Journal of Neuroscience Methods</i> , 2008, 167, 91-104.   | 1.3 | 70        |
| 137 | Simultaneous recording of electroencephalographic data in musicians playing in ensemble. <i>Cortex</i> , 2011, 47, 1082-1090.   | 1.1 | 70        |
| 138 | Modulation of Corticospinal Output to Human Hand Muscles Following Deprivation of Sensory Feedback. <i>NeuroImage</i> , 1998, 8, 163-175.   | 2.1 | 69        |
| 139 | Interhemispheric Differences of Sensory Hand Areas after Monohemispheric Stroke: MEG/MRI Integrative Study. <i>NeuroImage</i> , 2001, 14, 474-485.  | 2.1 | 69        |
| 140 | Rhythmic brain activity at rest from rolandic areas in acute mono-hemispheric stroke: A magnetoencephalographic study. <i>NeuroImage</i> , 2005, 28, 72-83.   | 2.1 | 69        |
| 141 | Antero-posterior functional coupling at sleep onset: changes as a function of increased sleep pressure. <i>Brain Research Bulletin</i> , 2005, 65, 133-140.   | 1.4 | 69        |
| 142 | Lateralized contribution of prefrontal cortex in controlling task-irrelevant information during verbal and spatial working memory tasks: rTMS evidence. <i>Neuropsychologia</i> , 2008, 46, 2056-2063.                  | 0.7 | 69        |
| 143 | Cortical sources of resting-state alpha rhythms are abnormal in persistent vegetative state patients. <i>Clinical Neurophysiology</i> , 2009, 120, 719-729.   | 0.7 | 69        |
| 144 | Comparison between SI and SII responses as a function of stimulus intensity. <i>NeuroReport</i> , 2002, 13, 813-819.  | 0.6 | 68        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 145 | Resting State Cortical Rhythms in Mild Cognitive Impairment and Alzheimer's Disease: Electroencephalographic Evidence. <i>Journal of Alzheimer's Disease</i> , 2011, 26, 201-214.  | 1.2 | 68        |
| 146 | Human brain connectivity: Clinical applications for clinical neurophysiology. <i>Clinical Neurophysiology</i> , 2020, 131, 1621-1651.  | 0.7 | 68        |
| 147 | Mobile phone emission modulates inter-hemispheric functional coupling of EEG alpha rhythms in elderly compared to young subjects. <i>Clinical Neurophysiology</i> , 2010, 121, 163-171.  | 0.7 | 67        |
| 148 | Intra-hemispheric functional coupling of alpha rhythms is related to golfer's performance: A coherence EEG study. <i>International Journal of Psychophysiology</i> , 2011, 82, 260-268.  | 0.5 | 67        |
| 149 | Functional Isolation Within the Cerebral Cortex in the Vegetative State. <i>Neurorehabilitation and Neural Repair</i> , 2011, 25, 35-42.   | 1.4 | 67        |
| 150 | Human cortical EEG rhythms during long-term episodic memory task. A high-resolution EEG study of the HERA model. <i>NeuroImage</i> , 2004, 21, 1576-1584.  | 2.1 | 66        |
| 151 | Features of ceruloplasmin in the cerebrospinal fluid of Alzheimer's disease patients. <i>BioMetals</i> , 2008, 21, 367-372.  | 1.8 | 66        |
| 152 | Reactivity of Cortical Alpha Rhythms to Eye Opening in Mild Cognitive Impairment and Alzheimer's Disease: an EEG Study. <i>Journal of Alzheimer's Disease</i> , 2011, 22, 1047-1064.   | 1.2 | 66        |
| 153 | Intraneural sensory feedback restores grip force control and motor coordination while using a prosthetic hand. <i>Journal of Neural Engineering</i> , 2019, 16, 026034.  | 1.8 | 66        |
| 154 | Prognostic Value of EEG Microstates in Acute Stroke. <i>Brain Topography</i> , 2017, 30, 698-710.  | 0.8 | 65        |
| 155 | Sustainable method for Alzheimer dementia prediction in mild cognitive impairment: Electroencephalographic connectivity and graph theory combined with apolipoprotein E. <i>Annals of Neurology</i> , 2018, 84, 302-314.         | 2.8 | 65        |
| 156 | Estimation of the Cortical Connectivity by High-Resolution EEG and Structural Equation Modeling: Simulations and Application to Finger Tapping Data. <i>IEEE Transactions on Biomedical Engineering</i> , 2005, 52, 757-768.     | 2.5 | 64        |
| 157 | White-matter lesions along the cholinergic tracts are related to cortical sources of EEG rhythms in amnesic mild cognitive impairment. <i>Human Brain Mapping</i> , 2009, 30, 1431-1443.   | 1.9 | 64        |
| 158 | “Gating” of human short-latency somatosensory evoked cortical responses during execution of movement. A high resolution electroencephalography study. <i>Brain Research</i> , 1999, 843, 161-170.                                | 1.1 | 63        |
| 159 | Functional topography of the secondary somatosensory cortex for nonpainful and painful stimulation of median and tibial nerve: an fMRI study. <i>NeuroImage</i> , 2004, 23, 1217-1225.   | 2.1 | 63        |
| 160 | Global Functional Coupling of Resting EEG Rhythms is Related to White-Matter Lesions Along the Cholinergic Tracts in Subjects with Amnesic Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2010, 19, 859-871. | 1.2 | 63        |
| 161 | Muscles in “Concert” Study of Primary Motor Cortex Upper Limb Functional Topography. <i>PLoS ONE</i> , 2008, 3, e3069.   | 1.1 | 63        |
| 162 | Topographic organization of the human primary and secondary somatosensory areas. <i>NeuroReport</i> , 2000, 11, 2035-2043.   | 0.6 | 62        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 163 | Fe and Cu do not differ in Parkinson's disease: A replication study plus meta-analysis. <i>Neurobiology of Aging</i> , 2013, 34, 632-633.   | 1.5 | 62        |
| 164 | Alpha and beta EEG power reflects L-dopa acute administration in parkinsonian patients. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 302.  | 1.7 | 62        |
| 165 | Human cortical responses during one-bit short-term memory. A high-resolution EEG study on delayed choice reaction time tasks. <i>Clinical Neurophysiology</i> , 2004, 115, 161-170.   | 0.7 | 60        |
| 166 | Validation of Alzheimer's disease CSF and plasma biological markers: The multicentre reliability study of the pilot European Alzheimer's Disease Neuroimaging Initiative (E-ADNI). <i>Experimental Gerontology</i> , 2009, 44, 579-585.                           | 1.2 | 60        |
| 167 | ATP7B Variants as Modulators of Copper Dyshomeostasis in Alzheimer's Disease. <i>NeuroMolecular Medicine</i> , 2013, 15, 515-522.   | 1.8 | 60        |
| 168 | Cortical Brain Connectivity Evaluated by Graph Theory in Dementia: A Correlation Study Between Functional and Structural Data. <i>Journal of Alzheimer's Disease</i> , 2015, 45, 745-756.   | 1.2 | 60        |
| 169 | Cortical connectivity from EEG data in acute stroke: A study via graph theory as a potential biomarker for functional recovery. <i>International Journal of Psychophysiology</i> , 2019, 146, 133-138.  | 0.5 | 60        |
| 170 | Median nerve somatosensory evoked potentials. Apomorphine-induced transient potentiation of frontal components Clin. Parkinson's disease and in parkinsonism. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , 1995, 96, 236-247. | 2.0 | 59        |
| 171 | Callosal effects of transcranial magnetic stimulation (TMS): the influence of gender and stimulus parameters. <i>Neuroscience Research</i> , 2004, 48, 129-137.   | 1.0 | 59        |
| 172 | Topographic electroencephalogram changes associated with psychomotor vigilance task performance after sleep deprivation. <i>Sleep Medicine</i> , 2014, 15, 1132-1139.   | 0.8 | 59        |
| 173 | Association between CSF biomarkers, hippocampal volume and cognitive function in patients with amnesic mild cognitive impairment (MCI). <i>Neurobiology of Aging</i> , 2017, 53, 1-10.  | 1.5 | 59        |
| 174 | Direct and indirect neurological, cognitive, and behavioral effects of COVID-19 on the healthy elderly, mild-cognitive-impairment, and Alzheimer's disease populations. <i>Neurological Sciences</i> , 2021, 42, 455-465.   | 0.9 | 59        |
| 175 | Free copper and resting temporal EEG rhythms correlate across healthy, mild cognitive impairment, and Alzheimer's disease subjects. <i>Clinical Neurophysiology</i> , 2007, 118, 1244-1260.   | 0.7 | 58        |
| 176 | High-gamma band activity of primary hand cortical areas: A sensorimotor feedback efficiency index. <i>NeuroImage</i> , 2008, 40, 256-264.   | 2.1 | 57        |
| 177 | Effects of hemochromatosis and transferrin gene mutations on iron dyshomeostasis, liver dysfunction and on the risk of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2012, 33, 1633-1641.   | 1.5 | 57        |
| 178 | Synchronous with Your Feelings: Sensorimotor $\beta$ Band and Empathy for Pain. <i>Journal of Neuroscience</i> , 2009, 29, 12384-12392.   | 1.7 | 56        |
| 179 | Increase of Theta/Gamma and Alpha3/Alpha2 Ratio is Associated with Amygdalo-Hippocampal Complex Atrophy. <i>Journal of Alzheimer's Disease</i> , 2009, 17, 349-357.   | 1.2 | 56        |
| 180 | Detection of fetal auditory evoked responses by means of magnetoencephalography. <i>Brain Research</i> , 2001, 917, 167-173.  | 1.1 | 55        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 181 | Ceruloplasmin fragmentation is implicated in 'free' copper deregulation of Alzheimer disease. <i>Prion</i> , 2008, 2, 23-27.   | 0.9 | 55        |
| 182 | The longitudinal changes of BOLD response and cerebral hemodynamics from acute to subacute stroke. A fMRI and TCD study. <i>BMC Neuroscience</i> , 2009, 10, 151.        | 0.8 | 55        |
| 183 | Resting state eyes-closed cortical rhythms in patients with locked-in-syndrome: An eeg study. <i>Clinical Neurophysiology</i> , 2010, 121, 1816-1824.                    | 0.7 | 55        |
| 184 | Cortical Neuromodulation Modifies Cerebral Vasomotor Reactivity. <i>Stroke</i> , 2010, 41, 2087-2090.  | 1.0 | 54        |
| 185 | Cortical connectivity in fronto-temporal focal epilepsy from EEG analysis: A study via graph theory. <i>Clinical Neurophysiology</i> , 2015, 126, 1108-1116.             | 0.7 | 54        |
| 186 | Outcome prediction in acute monohemispheric stroke via magnetoencephalography. <i>Journal of Neurology</i> , 2007, 254, 296-305.   | 1.8 | 53        |
| 187 | White matter vascular lesions are related to parietal-à€œfrontal coupling of EEG rhythms in mild cognitive impairment. <i>Human Brain Mapping</i> , 2008, 29, 1355-1367. | 1.9 | 53        |
| 188 | Hand somatosensory subcortical and cortical sources assessed by functional source separation: An EEG study. <i>Human Brain Mapping</i> , 2009, 30, 660-674.              | 1.9 | 53        |
| 189 | Human cortical rhythms during visual delayed choice reaction time tasks. <i>Behavioural Brain Research</i> , 2004, 153, 261-271.   | 1.2 | 52        |
| 190 | Motor cortex excitability in Alzheimer's disease: a transcranial magnetic stimulation follow-up study. <i>Neuroscience Letters</i> , 2011, 492, 94-98.                   | 1.0 | 52        |
| 191 | Atypical dementia associated with a novel presenilin-2 mutation. <i>Annals of Neurology</i> , 2003, 54, 832-836.   | 2.8 | 51        |
| 192 | Multimodal integration of EEG and MEG data: A simulation study with variable signal-to-noise ratio and number of sensors. <i>Human Brain Mapping</i> , 2004, 22, 52-62.  | 1.9 | 51        |
| 193 | Right hemisphere specialization for intensity discrimination of musical and speech sounds. <i>Neuropsychologia</i> , 2005, 43, 1916-1923.                                | 0.7 | 51        |
| 194 | Cortical EEG alpha rhythms reflect task-specific somatosensory and motor interactions in humans. <i>Clinical Neurophysiology</i> , 2014, 125, 1936-1945.                 | 0.7 | 51        |
| 195 | Regional MRI Diffusion, White-Matter Hyperintensities, and Cognitive Function in Alzheimer's Disease   |     |           |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 199 | Cortical Plasticity Induced by Transcranial Magnetic Stimulation during Wakefulness Affects Electroencephalogram Activity during Sleep. <i>PLoS ONE</i> , 2008, 3, e2483.   | 1.1 | 50        |
| 200 | Association of K832R and R952K SNPs of Wilson's Disease Gene with Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2012, 29, 913-919.   | 1.2 | 50        |
| 201 | Cortical short-term fatigue effects assessed via rhythmic brain-muscle coherence. <i>Experimental Brain Research</i> , 2006, 174, 144-151.  | 0.7 | 49        |
| 202 | Functional source separation from magnetoencephalographic signals. <i>Human Brain Mapping</i> , 2006, 27, 925-934.  | 1.9 | 49        |
| 203 | Cortical brain responses during passive nonpainful median nerve stimulation at low frequencies (0.5-4 Hz): An fMRI study. <i>Human Brain Mapping</i> , 2007, 28, 645-653.   | 1.9 | 49        |
| 204 | White-matter vascular lesions correlate with alpha EEG sources in mild cognitive impairment. <i>Neuropsychologia</i> , 2008, 46, 1707-1720.   | 0.7 | 49        |
| 205 | Is Sleep Essential for Neural Plasticity in Humans, and How Does It Affect Motor and Cognitive Recovery?. <i>Neural Plasticity</i> , 2013, 2013, 1-13.  | 1.0 | 49        |
| 206 | Brain Plasticity Effects of Neuromodulation Against Multiple Sclerosis Fatigue. <i>Frontiers in Neurology</i> , 2015, 6, 141.   | 1.1 | 49        |
| 207 | Transcranial magnetic stimulation reveals an interhemispheric asymmetry of cortical inhibition in focal epilepsy. <i>NeuroReport</i> , 2000, 11, 701-707.   | 0.6 | 48        |
| 208 | Reactivity of alpha rhythms to eyes opening is lower in athletes than non-athletes: A high-resolution EEG study. <i>International Journal of Psychophysiology</i> , 2011, 82, 240-247.                                  | 0.5 | 48        |
| 209 | Resting State Cortical Electroencephalographic Rhythms and White Matter Vascular Lesions in Subjects with Alzheimer's Disease: An Italian Multicenter Study. <i>Journal of Alzheimer's Disease</i> , 2011, 26, 331-346. | 1.2 | 48        |
| 210 | Linkage Disequilibrium and Haplotype Analysis of the <i>ATP7B</i> Gene in Alzheimer's Disease. <i>Rejuvenation Research</i> , 2013, 16, 3-10.   | 0.9 | 48        |
| 211 | Cortical connectivity modulation during sleep onset: A study via graph theory on EEG data. <i>Human Brain Mapping</i> , 2017, 38, 5456-5464.  | 1.9 | 48        |
| 212 | Choice of multivariate autoregressive model order affecting real network functional connectivity estimate. <i>Clinical Neurophysiology</i> , 2009, 120, 436-448.  | 0.7 | 47        |
| 213 | Hyperhomocysteinemia, intima-media thickness and C677T MTHFR gene polymorphism: A correlation study in patients with cognitive impairment. <i>Atherosclerosis</i> , 2009, 206, 309-313.                                 | 0.4 | 46        |
| 214 | RANTES correlates with inflammatory activity and synaptic excitability in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2016, 22, 1405-1412.  | 1.4 | 46        |
| 215 | Fetal auditory responses to external sounds and mother's heart beat: Detection improved by Independent Component Analysis. <i>Brain Research</i> , 2006, 1101, 51-58.   | 1.1 | 45        |
| 216 | Intra-cortical connectivity in multiple sclerosis: a neurophysiological approach. <i>Brain</i> , 2008, 131, 1783-1792.  | 3.7 | 45        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 217 | Changes in movement-related brain activity during transient deafferentation: a neuromagnetic study. <i>Brain Research</i> , 1996, 714, 201-208.  | 1.1 | 44        |
| 218 | Brain Vascular Damage of Cholinergic Pathways and EEG Markers in Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2008, 15, 357-372.   | 1.2 | 44        |
| 219 | Red blood cell copper, zinc superoxide dismutase activity is higher in Alzheimer's disease and is decreased by d-penicillamine. <i>Neuroscience Letters</i> , 2002, 329, 137-140.                          | 1.0 | 43        |
| 220 | Alpha Event-Related Desynchronization Preceding a Go/No-Go Task: A High-Resolution EEG Study.. <i>Neuropsychology</i> , 2004, 18, 719-728.   | 1.0 | 43        |
| 221 | Distraction affects frontal alpha rhythms related to expectancy of pain: An EEG study. <i>NeuroImage</i> , 2006, 31, 1268-1277.  | 2.1 | 43        |
| 222 | Hand cortical representation at rest and during activation: Gender and age effects in the two hemispheres. <i>Clinical Neurophysiology</i> , 2006, 117, 1518-1528.   | 0.7 | 43        |
| 223 | Functional localization of the sensory hand area with respect to the motor central gyrus knob. <i>NeuroReport</i> , 1999, 10, 3809-3814.   | 0.6 | 42        |
| 224 | Primary fibroblasts cultures reveal TDP-43 abnormalities in amyotrophic lateral sclerosis patients with and without SOD1 mutations. <i>Neurobiology of Aging</i> , 2015, 36, 2005.e5-2005.e13.             | 1.5 | 42        |
| 225 | Recognition of schematic facial displays of emotion in parents of children with autism. <i>Autism</i> , 2006, 10, 353-364.   | 2.4 | 41        |
| 226 | Stability of clinical condition in mild cognitive impairment is related to cortical sources of alpha rhythms: An electroencephalographic study. <i>Human Brain Mapping</i> , 2011, 32, 1916-1931.          | 1.9 | 41        |
| 227 | Distinct Olfactory Cross-Modal Effects on the Human Motor System. <i>PLoS ONE</i> , 2008, 3, e1702.  | 1.1 | 41        |
| 228 | Cortical sources of resting state EEG rhythms are abnormal in dyslexic children. <i>Clinical Neurophysiology</i> , 2012, 123, 2384-2391.   | 0.7 | 40        |
| 229 | Non-Ceruloplasmin Copper Distinct Subtypes in Alzheimer's Disease: a Genetic Study of ATP7B Frequency. <i>Molecular Neurobiology</i> , 2017, 54, 671-681.  | 1.9 | 40        |
| 230 | Small World Index in Default Mode Network Predicts Progression from Mild Cognitive Impairment to Dementia. <i>International Journal of Neural Systems</i> , 2020, 30, 2050004.                             | 3.2 | 40        |
| 231 | Temporal Dynamics of Plastic Changes in Human Primary Somatosensory Cortex after Finger Webbing. <i>Cerebral Cortex</i> , 2007, 17, 2134-2142.   | 1.6 | 39        |
| 232 | An observational study on the influence of the APOE- $\mu$ 4 allele on the correlation between "free" copper toxicosis and EEG activity in Alzheimer disease. <i>Brain Research</i> , 2008, 1215, 183-189. | 1.1 | 39        |
| 233 | The pilot European Alzheimer's Disease Neuroimaging Initiative of the European Alzheimer's Disease Consortium. , 2008, 4, 255-264.   |     | 39        |
| 234 | Cortical Alpha Rhythms Are Related to the Anticipation of Sensorimotor Interaction Between Painful Stimuli and Movements: A High-Resolution EEG Study. <i>Journal of Pain</i> , 2008, 9, 902-911.          | 0.7 | 39        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 235 | Neuronal functionality assessed by magnetoencephalography is related to oxidative stress system in acute ischemic stroke. <i>NeuroImage</i> , 2009, 44, 1267-1273.  | 2.1 | 39        |
| 236 | Thalamocortical sensorimotor circuit in multiple sclerosis: An integrated structural and electrophysiological assessment. <i>Human Brain Mapping</i> , 2010, 31, 1588-1600.   | 1.9 | 39        |
| 237 | Neurophysiological features of motor cortex excitability and plasticity in Subcortical Ischemic Vascular Dementia: A TMS mapping study. <i>Clinical Neurophysiology</i> , 2015, 126, 906-913.                             | 0.7 | 39        |
| 238 | Decoding of grasping tasks from intraneural recordings in trans-radial amputee. <i>Journal of Neural Engineering</i> , 2020, 17, 026034.  | 1.8 | 39        |
| 239 | Retinal Origin of Electrically Evoked Potentials in Response to Transcorneal Alternating Current Stimulation in the Rat. <i>Investigative Ophthalmology and Visual Science</i> , 2015, 56, 1711-1718.                     | 3.3 | 38        |
| 240 | Test-retest reliability of the default mode network in a multi-centric fMRI study of healthy elderly: Effects of data-driven physiological noise correction techniques. <i>Human Brain Mapping</i> , 2016, 37, 2114-2132. | 1.9 | 38        |
| 241 | Amygdalar nuclei and hippocampal subfields on MRI: Test-retest reliability of automated volumetry across different MRI sites and vendors. <i>NeuroImage</i> , 2020, 218, 116932.  | 2.1 | 38        |
| 242 | Stability of flexible thin-film metallization stimulation electrodes: analysis of explants after first-in-human study and improvement of in vivo performance. <i>Journal of Neural Engineering</i> , 2020, 17, 046006.    | 1.8 | 38        |
| 243 | Training in the practice of noninvasive brain stimulation: Recommendations from an IFCN committee. <i>Clinical Neurophysiology</i> , 2021, 132, 819-837.  | 0.7 | 38        |
| 244 | Hand sensoryâ€“motor cortical network assessed by functional source separation. <i>Human Brain Mapping</i> , 2008, 29, 70-81.   | 1.9 | 37        |
| 245 | Combined Analysis of Cortical (EEG) and Nerve Stump Signals Improves Robotic Hand Control. <i>Neurorehabilitation and Neural Repair</i> , 2012, 26, 275-281.  | 1.4 | 37        |
| 246 | In Search of Sleep Biomarkers of Alzheimerâ€™s Disease: K-Complexes Do Not Discriminate between Patients with Mild Cognitive Impairment and Healthy Controls. <i>Brain Sciences</i> , 2017, 7, 51.                        | 1.1 | 37        |
| 247 | Toward noninvasive brain stimulation 2.0 in Alzheimerâ€™s disease. <i>Ageing Research Reviews</i> , 2022, 75, 101555.   | 5.0 | 37        |
| 248 | Reproducibility of callosal effects of transcranial magnetic stimulation (TMS) with interhemispheric paired pulses. <i>Neuroscience Research</i> , 2003, 46, 219-227.   | 1.0 | 36        |
| 249 | Anodal Transcranial Direct Current Stimulation Promotes Frontal Compensatory Mechanisms in Healthy Elderly Subjects. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 420.   | 1.7 | 36        |
| 250 | Botulinum toxin type-A treatment in spastic paraparesis: a neurophysiological study. <i>Journal of the Neurological Sciences</i> , 2000, 181, 89-97.  | 0.3 | 35        |
| 251 | Attentional processes and cognitive performance during expectancy of painful galvanic stimulations: a high-resolution EEG study. <i>Behavioural Brain Research</i> , 2003, 152, 137-47.                                   | 1.2 | 35        |
| 252 | Alpha rhythms in mild demented during visual delayed choice reaction time tasks: A MEG study. <i>Brain Research Bulletin</i> , 2005, 65, 457-470.   | 1.4 | 35        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 253 | Phantom somatosensory evoked potentials following selective intraneural electrical stimulation in two amputees. <i>Clinical Neurophysiology</i> , 2018, 129, 1117-1120.  | 0.7 | 35        |
| 254 | Morphology of somatosensory evoked fields: inter-hemispheric similarity as a parameter for physiological and pathological neural connectivity. <i>Neuroscience Letters</i> , 2000, 287, 203-206.   | 1.0 | 34        |
| 255 | Intracortical excitatory and inhibitory phenomena to paired transcranial magnetic stimulation in healthy human subjects: differences between the right and left hemisphere. <i>Neuroscience Letters</i> , 2000, 288, 171-174.  | 1.0 | 34        |
| 256 | Longitudinal reproducibility of automatically segmented hippocampal subfields: A multisite European 3T study on healthy elderly. <i>Human Brain Mapping</i> , 2015, 36, 3516-3527.   | 1.9 | 34        |
| 257 | Cortical neurodynamics changes mediate the efficacy of a personalized neuromodulation against multiple sclerosis fatigue. <i>Scientific Reports</i> , 2019, 9, 18213.  | 1.6 | 34        |
| 258 | Two-Year Longitudinal Monitoring of Amnesic Mild Cognitive Impairment Patients with Prodromal Alzheimer's Disease Using Topographical Biomarkers Derived from Functional Magnetic Resonance Imaging and Electroencephalographic Activity. <i>Journal of Alzheimer's Disease</i> , 2019, 69, 15-35. | 1.2 | 34        |
| 259 | EEG alterations during wake and sleep in mild cognitive impairment and Alzheimer's disease. <i>IScience</i> , 2021, 24, 102386.  | 1.9 | 34        |
| 260 | The role of the prefrontal cortex in sentence comprehension: An rTMS study. <i>Cortex</i> , 2008, 44, 337-344.   | 1.1 | 33        |
| 261 | Mobile phone emission increases inter-hemispheric functional coupling of electroencephalographic alpha rhythms in epileptic patients. <i>International Journal of Psychophysiology</i> , 2012, 84, 164-171.  | 0.5 | 33        |
| 262 | GSTM1 null genotype as risk factor for late-onset Alzheimer's disease in Italian patients. <i>Journal of the Neurological Sciences</i> , 2012, 317, 137-140.   | 0.3 | 33        |
| 263 | Brain electroencephalographic segregation as a biomarker of learning. <i>Neural Networks</i> , 2018, 106, 168-174.   | 3.3 | 33        |
| 264 | Brain structures activated by overt and covert emotional visual stimuli. <i>Brain Research Bulletin</i> , 2009, 79, 258-264.   | 1.4 | 32        |
| 265 | GSTO1*E155del polymorphism associated with increased risk for late-onset Alzheimer's disease: Association hypothesis for an uncommon genetic variant. <i>Neuroscience Letters</i> , 2012, 506, 203-207.  | 1.0 | 32        |
| 266 | Ultrasound evaluation in transthyretin-related amyloid neuropathy. <i>Muscle and Nerve</i> , 2014, 50, 372-376.  | 1.0 | 32        |
| 267 | Clinical, neurophysiological and pathological findings of HNPP patients with 17p12 deletion: A single-centre experience. <i>Journal of the Neurological Sciences</i> , 2014, 341, 46-50.   | 0.3 | 32        |
| 268 | Neurophysiological Assessment of Alzheimer's Disease Individuals by a Single Electroencephalographic Marker. <i>Journal of Alzheimer's Disease</i> , 2015, 49, 159-177.  | 1.2 | 32        |
| 269 | Acute cerebellar stroke and middle cerebral artery stroke exert distinctive modifications on functional cortical connectivity: A comparative study via EEG graph theory. <i>Clinical Neurophysiology</i> , 2019, 130, 997-1007.  | 0.7 | 32        |
| 270 | A Systems Medicine Clinical Platform for Understanding and Managing Non-Communicable Diseases. <i>Current Pharmaceutical Design</i> , 2014, 20, 5945-5956.   | 0.9 | 32        |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 271 | Are autonomic signals influencing cortico-spinal motor excitability?. Brain Research, 2000, 881, 159-164.   | 1.1 | 31        |
| 272 | Cortical Sensorimotor Interactions During the Expectancy of a Go/No-Go Task: Effects of Painful Stimuli.. Behavioral Neuroscience, 2004, 118, 925-935.  | 0.6 | 31        |
| 273 | Neuromagnetic functional coupling during dichotic listening of speech sounds. Human Brain Mapping, 2008, 29, 253-264.   | 1.9 | 31        |
| 274 | Hand Control With Invasive Feedback Is Not Impaired by Increased Cognitive Load. Frontiers in Bioengineering and Biotechnology, 2020, 8, 287.   | 2.0 | 31        |
| 275 | Brain sensorimotor hand area functionality in acute stroke: insights from magnetoencephalography. NeuroImage, 2004, 23, 542-550.  | 2.1 | 30        |
| 276 | Hyperhomocysteinemia in patients with epilepsy: Does it play a role in the pathogenesis of brain atrophy? A preliminary report. Epilepsia, 2009, 50, 33-36.   | 2.6 | 30        |
| 277 | Ibuprofen treatment modifies cortical sources of EEG rhythms in mild Alzheimer's disease. Clinical Neurophysiology, 2009, 120, 709-718.   | 0.7 | 30        |
| 278 | Cortical responses to consciousness of schematic emotional facial expressions: A high-resolution EEG study. Human Brain Mapping, 2010, 31, 1556-1569.   | 1.9 | 30        |
| 279 | Effects of somatosensory stimulation and attention on human somatosensory cortex: An fMRI study. NeuroImage, 2010, 53, 181-188.   | 2.1 | 30        |
| 280 | Age related differences in functional synchronization of EEG activity as evaluated by means of TMS-EEG coregistrations. Neuroscience Letters, 2017, 647, 141-146.                                   | 1.0 | 30        |
| 281 | Subclinical epileptiform activity during sleep in Alzheimer's disease and mild cognitive impairment. Clinical Neurophysiology, 2020, 131, 1011-1018.  | 0.7 | 30        |
| 282 | Morphological Neural Computation Restores Discrimination of Naturalistic Textures in Trans-radial Amputees. Scientific Reports, 2020, 10, 527.  | 1.6 | 30        |
| 283 | Cerebral hemodynamics in patients with carotid artery occlusion and contralateral moderate or severe internal carotid artery stenosis. Journal of Neurosurgery, 2001, 94, 559-564.                  | 0.9 | 29        |
| 284 | Facilitating acute stroke recovery with magnetic fields?. Neurology, 2005, 65, 353-354.   | 1.5 | 29        |
| 285 | Mobile phone emission modulates event-related desynchronization of alpha rhythms and cognitive motor performance in healthy humans. Clinical Neurophysiology, 2012, 123, 121-128.                   | 0.7 | 29        |
| 286 | Classification of Alzheimer's Disease with Respect to Physiological Aging with Innovative EEG Biomarkers in a Machine Learning Implementation. Journal of Alzheimer's Disease, 2020, 75, 1253-1261. | 1.2 | 29        |
| 287 | Corticomotor Plasticity Predicts Clinical Efficacy of Combined Neuromodulation and Cognitive Training in Alzheimer's Disease. Frontiers in Aging Neuroscience, 2020, 12, 200.                       | 1.7 | 29        |
| 288 | Copper Perturbation in 2 Monozygotic Twins Discordant for Degree of Cognitive Impairment. Archives of Neurology, 2004, 61, 738.   | 4.9 | 28        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 289 | Human cortical responses during one-bit delayed-response tasks: An fMRI study. <i>Brain Research Bulletin</i> , 2005, 65, 383-390.   | 1.4 | 28        |
| 290 | Non-invasive electric current stimulation for restoration of vision after unilateral occipital stroke. <i>Contemporary Clinical Trials</i> , 2015, 43, 231-236.  | 0.8 | 28        |
| 291 | Electroencephalography-Derived Sensory and Motor Network Topology in Multiple Sclerosis Fatigue. <i>Neurorehabilitation and Neural Repair</i> , 2017, 31, 56-64.   | 1.4 | 28        |
| 292 | Sudoscan in the evaluation and follow-up of patients and carriers with TTR mutations: experience from an Italian Centre. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2018, 25, 242-246. | 1.4 | 28        |
| 293 | Human brain networks: a graph theoretical analysis of cortical connectivity normative database from EEG data in healthy elderly subjects. <i>GeroScience</i> , 2020, 42, 575-584.  | 2.1 | 28        |
| 294 | Metal-Score as a Potential Non-Invasive Diagnostic Test for Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2013, 10, 191-198.  | 0.7 | 28        |
| 295 | Activity-dependent Modulation of Synaptic Transmission in the Intact Human Motor Cortex Revealed with Transcranial Magnetic Stimulation. <i>Cerebral Cortex</i> , 2002, 12, 1057-1062.   | 1.6 | 27        |
| 296 | Somatosensory dynamic gamma-band synchrony: A neural code of sensorimotor dexterity. <i>NeuroImage</i> , 2007, 35, 185-193.  | 2.1 | 27        |
| 297 | Functional coupling between anterior prefrontal cortex (BA10) and hand muscle contraction during intentional and imitative motor acts. <i>NeuroImage</i> , 2008, 39, 1314-1323.  | 2.1 | 27        |
| 298 | Novel T719P A $\beta$ PP Mutation Unbalances the Relative Proportion of Amyloid- $\beta$ Peptides. <i>Journal of Alzheimer's Disease</i> , 2009, 18, 295-303.  | 1.2 | 27        |
| 299 | Prospects of brain-machine interfaces for space system control. <i>Acta Astronautica</i> , 2009, 64, 448-456.  | 1.7 | 27        |
| 300 | Patients with migraine with aura have increased flow mediated dilation. <i>BMC Neurology</i> , 2010, 10, 18.   | 0.8 | 27        |
| 301 | Transcranial direct current stimulation generates a transient increase of small-world in brain connectivity: an EEG graph theoretical analysis. <i>Experimental Brain Research</i> , 2018, 236, 1117-1127.   | 0.7 | 27        |
| 302 | Brain Networks are Independently Modulated by Donepezil, Sleep, and Sleep Deprivation. <i>Brain Topography</i> , 2018, 31, 380-391.  | 0.8 | 27        |
| 303 | Global Functional Coupling of Resting EEG Rhythms is Abnormal in Mild Cognitive Impairment and Alzheimer's Disease. <i>Journal of Psychophysiology</i> , 2009, 23, 224-234.  | 0.3 | 27        |
| 304 | Analysis of complexity in the EEG activity of Parkinson's disease patients by means of approximate entropy. <i>GeroScience</i> , 2022, 44, 1599-1607.  | 2.1 | 27        |
| 305 | Effect of paired transcranial magnetic stimulation on the cortical silent period. <i>Brain Research</i> , 1999, 834, 74-82.  | 1.1 | 26        |
| 306 | Remodelling of sensorimotor maps in paraplegia: a functional magnetic resonance imaging study after a surgical nerve transfer. <i>Neuroscience Letters</i> , 2001, 303, 62-66.   | 1.0 | 26        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 307 | Gamma synchronization in human primary somatosensory cortex as revealed by somatosensory evoked neuromagnetic fields. <i>Brain Research</i> , 2003, 986, 63-70.  | 1.1 | 26        |
| 308 | Environmental noise-exposed workers: Event-related potentials, neuropsychological and mood assessment. <i>International Journal of Psychophysiology</i> , 2007, 65, 228-237.                                   | 0.5 | 26        |
| 309 | Inter-hemispheric functional coupling of eyes-closed resting EEG rhythms in adolescents with Down syndrome. <i>Clinical Neurophysiology</i> , 2009, 120, 1619-1627.  | 0.7 | 26        |
| 310 | Bilateral 5â€‰Hz transcranial alternating current stimulation on fronto-temporal areas modulates resting-state EEG. <i>Scientific Reports</i> , 2017, 7, 15672.  | 1.6 | 26        |
| 311 | Neurophysiological Hallmarks of Neurodegenerative Cognitive Decline: The Study of Brain Connectivity as A Biomarker of Early Dementia. <i>Journal of Personalized Medicine</i> , 2020, 10, 34.                 | 1.1 | 26        |
| 312 | Expectancy of Pain Is Influenced by Motor Preparation: A High-Resolution EEG Study of Cortical Alpha Rhythms.. <i>Behavioral Neuroscience</i> , 2005, 119, 503-511.  | 0.6 | 25        |
| 313 | Human alpha rhythms during visual delayed choice reaction time tasks: A magnetoencephalography study. <i>Human Brain Mapping</i> , 2005, 24, 184-192.  | 1.9 | 25        |
| 314 | Human Ventral Parietal Cortex Plays a Functional Role on Visuospatial Attention and Primary Consciousness. A Repetitive Transcranial Magnetic Stimulation Study. <i>Cerebral Cortex</i> , 2007, 17, 1486-1492. | 1.6 | 25        |
| 315 | Functional cortico-muscular coupling during upright standing in athletes and nonathletes: A coherence electroencephalographic-electromyographic study.. <i>Behavioral Neuroscience</i> , 2008, 122, 917-927.   | 0.6 | 25        |
| 316 | Complex fasciculation potentials and survival in amyotrophic lateral sclerosis. <i>Clinical Neurophysiology</i> , 2014, 125, 1059-1064.  | 0.7 | 25        |
| 317 | Effects of transcranial direct current stimulation on the functional coupling of the sensorimotor cortical network. <i>NeuroImage</i> , 2016, 140, 50-56.  | 2.1 | 25        |
| 318 | Upper limb joint kinematics using wearable magnetic and inertial measurement units: an anatomical calibration procedure based on bony landmark identification. <i>Scientific Reports</i> , 2019, 9, 14449.     | 1.6 | 25        |
| 319 | Cortical sources of EEG rhythms are abnormal in down syndrome. <i>Clinical Neurophysiology</i> , 2010, 121, 1205-1212.   | 0.7 | 24        |
| 320 | Primary sensory and motor cortex activities during voluntary and passive ankle mobilization by the SHADE orthosis. <i>Human Brain Mapping</i> , 2011, 32, 60-70.   | 1.9 | 24        |
| 321 | An improved I-FAST system for the diagnosis of Alzheimer's disease from unprocessed electroencephalograms by using robust invariant features. <i>Artificial Intelligence in Medicine</i> , 2015, 64, 59-74.    | 3.8 | 24        |
| 322 | BDNF rs6265 polymorphism methylation in Multiple Sclerosis: A possible marker of disease progression. <i>PLoS ONE</i> , 2018, 13, e0206140.  | 1.1 | 24        |
| 323 | Accuracy and reproducibility of automated white matter hyperintensities segmentation with lesion segmentation tool: A European multi-site 3T study. <i>Magnetic Resonance Imaging</i> , 2021, 76, 108-115.     | 1.0 | 24        |
| 324 | Non-Ceruloplasmin Copper Distinguishes A Distinct Subtype of Alzheimer's Disease: A Study of EEG-Derived Brain Activity. <i>Current Alzheimer Research</i> , 2016, 13, 1374-1384.                              | 0.7 | 24        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 325 | Delta dipole density and strength in acute monohemispheric stroke. <i>Neuroscience Letters</i> , 2007, 416, 310-314.   | 1.0 | 23        |
| 326 | Cortical sources of awake scalp EEG in eating disorders. <i>Clinical Neurophysiology</i> , 2007, 118, 1213-1222.   | 0.7 | 23        |
| 327 | Increasing Hippocampal Atrophy and Cerebrovascular Damage Is Differently Associated With Functional Cortical Coupling in MCI Patients. <i>Alzheimer Disease and Associated Disorders</i> , 2009, 23, 323-332.  | 0.6 | 23        |
| 328 | Cerebral restorative plasticity from normal ageing to brain diseases: A "never ending story". <i>Restorative Neurology and Neuroscience</i> , 2010, 28, 349-366.   | 0.4 | 23        |
| 329 | Cortical sources of resting-state EEG rhythms are abnormal in naïve HIV subjects. <i>Clinical Neurophysiology</i> , 2012, 123, 2163-2171.  | 0.7 | 23        |
| 330 | Plasma A $\beta$ 42 as a Biomarker of Prodromal Alzheimer's Disease Progression in Patients with Amnesic Mild Cognitive Impairment: Evidence from the PharmaCog/E-ADNI Study. <i>Journal of Alzheimer's Disease</i> , 2019, 69, 37-48.   | 1.2 | 23        |
| 331 | Mild Cognitive Impairment and Mild Dementia: The Role of Ginkgo biloba (EGb 761 $\text{\textcircled{R}}$ ). <i>Pharmaceuticals</i> , 2021, 14, 305.  | 1.7 | 23        |
| 332 | Early dementia diagnosis, MCI to dementia risk prediction, and the role of machine learning methods for feature extraction from integrated biomarkers, in particular for EEG signal analysis. <i>Alzheimer's and Dementia</i> , 2022, 18, 2699-2706.                                       | 0.4 | 23        |
| 333 | Decreased sympathetic inhibition in gastroesophageal reflux disease. <i>Clinical Autonomic Research</i> , 2001, 11, 45-51.   | 1.4 | 22        |
| 334 | Mini-Mental State Examination and Mental Deterioration Battery: Analysis of the Relationship and Clinical Implications. <i>Journal of the American Geriatrics Society</i> , 2002, 50, 1577-1581.   | 1.3 | 22        |
| 335 | Reduction of Transcallosal Inhibition upon Awakening from REM Sleep in Humans as Assessed by Transcranial Magnetic Stimulation. <i>Sleep</i> , 2004, 27, 875-882.  | 0.6 | 22        |
| 336 | Corticospinal excitability and sleep: a motor threshold assessment by transcranial magnetic stimulation after awakenings from REM and NREM sleep. <i>Journal of Sleep Research</i> , 2004, 13, 31-36.  | 1.7 | 22        |
| 337 | Cortical Networks Generating Movement-Related EEG Rhythms in Alzheimer's Disease: An EEG Coherence Study. <i>Behavioral Neuroscience</i> , 2004, 118, 698-706.   | 0.6 | 22        |
| 338 | Classification of familial amyotrophic lateral sclerosis by family history: effects on frequency of genes mutation. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2012, 83, 1201-1203.  | 0.9 | 22        |
| 339 | Neural connectivity in hand sensorimotor brain areas: An evaluation by evoked field morphology. <i>Human Brain Mapping</i> , 2005, 24, 99-108.   | 1.9 | 21        |
| 340 | Effects of pharmacological agents, sleep deprivation, hypoxia and transcranial magnetic stimulation on electroencephalographic rhythms in rodents: Towards translational challenge models for drug discovery in Alzheimer's disease. <i>Clinical Neurophysiology</i> , 2013, 124, 437-451. | 0.7 | 21        |
| 341 | Hypercapnia affects the functional coupling of resting state electroencephalographic rhythms and cerebral haemodynamics in healthy elderly subjects and in patients with amnesic mild cognitive impairment. <i>Clinical Neurophysiology</i> , 2014, 125, 685-693.                          | 0.7 | 21        |
| 342 | Learning Processes and Brain Connectivity in A Cognitive-Motor Task in Neurodegeneration: Evidence from EEG Network Analysis. <i>Journal of Alzheimer's Disease</i> , 2018, 66, 471-481.   | 1.2 | 21        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 343 | Second-Line Therapy with Fingolimod for Relapsing-Remitting Multiple Sclerosis in Clinical Practice: The Effect of Previous Exposure to Natalizumab. <i>European Neurology</i> , 2015, 73, 57-65.   | 0.6 | 20        |
| 344 | Approximate Entropy of Brain Network in the Study of Hemispheric Differences. <i>Entropy</i> , 2020, 22, 1220.  | 1.1 | 20        |
| 345 | Transcranial Direct Current Stimulation Enhances Neuroplasticity and Accelerates Motor Recovery in a Stroke Mouse Model. <i>Stroke</i> , 2022, 53, 1746-1758.   | 1.0 | 20        |
| 346 | Pre-stimulus alpha power affects vertex N2â€P2 potentials evoked by noxious stimuli. <i>Brain Research Bulletin</i> , 2008, 75, 581-590.  | 1.4 | 19        |
| 347 | Cortical sources of resting-state EEG rhythms in â€œexperiencedâ€-HIV subjects under antiretroviral therapy. <i>Clinical Neurophysiology</i> , 2014, 125, 1792-1802.  | 0.7 | 19        |
| 348 | The Italian INTERCEPTOR Project: From the Early Identification of Patients Eligible for Prescription of Antidementia Drugs to a Nationwide Organizational Model for Early Alzheimerâ€™s Disease Diagnosis. <i>Journal of Alzheimer's Disease</i> , 2019, 72, 373-388. | 1.2 | 19        |
| 349 | &lt;p&gt;Bilateral Theta Transcranial Alternating Current Stimulation (tACS) Modulates EEG Activity: When tACS Works Awake It Also Works Asleep&lt;/p&gt;. <i>Nature and Science of Sleep</i> , 2019, Volume 11, 343-356.   | 1.4 | 19        |
| 350 | Slow cortical potential shifts preceding sensorimotor interactions. <i>Brain Research Bulletin</i> , 2005, 65, 309-316.   | 1.4 | 18        |
| 351 | rTMS For PTSD: Induced Merciful Oblivion or Elimination of Abnormal Hypermnnesia?. <i>Behavioural Neurology</i> , 2006, 17, 195-199.  | 1.1 | 18        |
| 352 | fMRI-vs-MEG evaluation of post-stroke interhemispheric asymmetries in primary sensorimotor hand areas. <i>Experimental Neurology</i> , 2007, 204, 631-639.  | 2.0 | 18        |
| 353 | Event-related power modulations of brain activity preceding visually guided saccades. <i>Brain Research</i> , 2007, 1136, 122-131.  | 1.1 | 18        |
| 354 | Directional functional coupling of cerebral rhythms between anterior cingulate and dorsolateral prefrontal areas during rare stimuli: A directed transfer function analysis of human depth EEG signal. <i>Human Brain Mapping</i> , 2009, 30, 138-146.                | 1.9 | 18        |
| 355 | Contradiction in universal and particular reasoning. <i>Human Brain Mapping</i> , 2009, 30, 4187-4197.  | 1.9 | 18        |
| 356 | Effects of mobile phone signals over BOLD response while performing a cognitive task. <i>Clinical Neurophysiology</i> , 2012, 123, 129-136.   | 0.7 | 18        |
| 357 | Prefrontal cortex controls human balance during overground ataxic gait. <i>Restorative Neurology and Neuroscience</i> , 2012, 30, 397-405.  | 0.4 | 18        |
| 358 | Prefrontal cortex as a compensatory network in ataxic gait: A correlation study between cortical activity and gait parameters. <i>Restorative Neurology and Neuroscience</i> , 2015, 33, 177-187.   | 0.4 | 18        |
| 359 | Charcot-Marie-Tooth type 2 and distal hereditary motor neuropathy: Clinical, neurophysiological and genetic findings from a single-centre experience. <i>Clinical Neurology and Neurosurgery</i> , 2016, 144, 67-71.  | 0.6 | 18        |
| 360 | Predicting and Tracking Short Term Disease Progression in Amnesic Mild Cognitive Impairment Patients with Prodromal Alzheimerâ€™s Disease: Structural Brain Biomarkers. <i>Journal of Alzheimer's Disease</i> , 2019, 69, 3-14.                                       | 1.2 | 18        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 361 | Brain Connectivity and Graph Theory Analysis in Alzheimer's and Parkinson's Disease: The Contribution of Electrophysiological Techniques. <i>Brain Sciences</i> , 2022, 12, 402.   | 1.1 | 18        |
| 362 | Sudomotor skin responses to brain stimulation do not depend on nerve sensory fiber functionality. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , 1993, 89, 447-451.                        | 2.0 | 17        |
| 363 | Intracortical inhibition and facilitation upon awakening from different sleep stages: a transcranial magnetic stimulation study. <i>European Journal of Neuroscience</i> , 2004, 19, 3099-3104.                              | 1.2 | 17        |
| 364 | Different modalities of painful somatosensory stimulations affect anticipatory cortical processes: A high-resolution EEG study. <i>Brain Research Bulletin</i> , 2007, 71, 475-484.  | 1.4 | 17        |
| 365 | Clinical neurophysiological correlations in a series of patients with IgM-related neuropathy. <i>Clinical Neurophysiology</i> , 2013, 124, 1899-1903.  | 0.7 | 17        |
| 366 | Antioxidant Status and APOE Genotype As Susceptibility Factors for Neurodegeneration in Alzheimer's Disease and Vascular Dementia. <i>Rejuvenation Research</i> , 2013, 16, 51-56.   | 0.9 | 17        |
| 367 | From Mild Cognitive Impairment to Alzheimer's Disease: A New Perspective in the "Landscape" of Human Brain Reactivity and Connectivity. <i>Journal of Alzheimer's Disease</i> , 2016, 53, 1389-1393.                         | 1.2 | 17        |
| 368 | Biological factors and age-dependence of primary motor cortex experimental plasticity. <i>Neurological Sciences</i> , 2016, 37, 211-218.   | 0.9 | 17        |
| 369 | Transient human cortical responses during the observation of simple finger movements: A high-resolution EEG study. <i>Human Brain Mapping</i> , 2003, 20, 148-157.   | 1.9 | 16        |
| 370 | Directional Information Flows between Brain Hemispheres during Presleep Wake and Early Sleep Stages. <i>Cerebral Cortex</i> , 2007, 17, 1970-1978.   | 1.6 | 16        |
| 371 | The 894G>A (Glu298Asp) Variant in the Endothelial NOS Gene and MTHFR Polymorphisms Influence Homocysteine Levels in Patients with Cognitive Decline. <i>NeuroMolecular Medicine</i> , 2011, 13, 167-174.                     | 1.8 | 16        |
| 372 | Trunk-lower limb coordination pattern during gait in patients with ataxia. <i>Gait and Posture</i> , 2017, 57, 252-257.  | 0.6 | 16        |
| 373 | Hemoglobin oxygen saturation as a marker of cerebral hemodynamics in carotid artery occlusion. <i>Journal of Neurology</i> , 2006, 253, 1459-1465.   | 1.8 | 15        |
| 374 | Chapter 6 Implications of Brain Plasticity to Brain-Machine Interfaces Operation. <i>International Review of Neurobiology</i> , 2009, 86, 81-90.   | 0.9 | 15        |
| 375 | Sensorimotor interaction between somatosensory painful stimuli and motor sequences affects both anticipatory alpha rhythms and behavior as a function of the event side. <i>Brain Research Bulletin</i> , 2010, 81, 398-405. | 1.4 | 15        |
| 376 | Passive tactile recognition of geometrical shape in humans: An fMRI study. <i>Brain Research Bulletin</i> , 2010, 83, 223-231.   | 1.4 | 15        |
| 377 | Admission neurophysiological abnormalities in Guillain-Barré syndrome: A single-center experience. <i>Clinical Neurology and Neurosurgery</i> , 2015, 135, 6-10.   | 0.6 | 15        |
| 378 | Cortical Brain Connectivity and B-Type Natriuretic Peptide in Patients With Congestive Heart Failure. <i>Clinical EEG and Neuroscience</i> , 2015, 46, 224-229.  | 0.9 | 15        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 379 | Sensitivity to temporal parameters of intraneural tactile sensory feedback. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2020, 17, 110.   | 2.4 | 15        |
| 380 | Brain redundancy: Responsivity or plasticity?. <i>Annals of Neurology</i> , 2000, 48, 128-129.   | 2.8 | 14        |
| 381 | Neurophysiological evaluation of tactile space perception deficits through transcranial magnetic stimulation. <i>Brain Research Protocols</i> , 2000, 5, 25-29.                                | 1.7 | 14        |
| 382 | Cortical sources of EEG rhythms in congestive heart failure and Alzheimer's disease. <i>International Journal of Psychophysiology</i> , 2012, 86, 98-107.                                      | 0.5 | 14        |
| 383 | Tracking Neuronal Connectivity from Electric Brain Signals to Predict Performance. <i>Neuroscientist</i> , 2019, 25, 86-93.  | 2.6 | 14        |
| 384 | Entropy modulation of electroencephalographic signals in physiological aging. <i>Mechanisms of Ageing and Development</i> , 2021, 196, 111472.   | 2.2 | 14        |
| 385 | TMS-EEG Biomarkers of Amnesic Mild Cognitive Impairment Due to Alzheimer's Disease: A Proof-of-Concept Six Years Prospective Study. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 737281. | 1.7 | 14        |
| 386 | Patterns of cerebrovascular reactivity in patients with carotid artery occlusion and severe contralateral stenosis. <i>Journal of the Neurological Sciences</i> , 1999, 168, 47-51.            | 0.3 | 13        |
| 387 | District-related frequency specificity in hand cortical representation: dynamics of regional activation and intra-regional synchronization. <i>Brain Research</i> , 2004, 1014, 80-86.         | 1.1 | 13        |
| 388 | Transient Athetosis Induced by Tiagabine. <i>Epilepsia</i> , 2006, 47, 799-800.  | 2.6 | 13        |
| 389 | Directional information flows between brain hemispheres across waking, non-REM and REM sleep states: An EEG study. <i>Brain Research Bulletin</i> , 2009, 78, 270-275.                         | 1.4 | 13        |
| 390 | Inter-hemispherical functional coupling of EEG rhythms during the perception of facial emotional expressions. <i>Clinical Neurophysiology</i> , 2013, 124, 263-272.                            | 0.7 | 13        |
| 391 | Cortical inhibition of laser pain and laser-evoked potentials by non-nociceptive somatosensory input. <i>European Journal of Neuroscience</i> , 2015, 42, 2407-2414.                           | 1.2 | 13        |
| 392 | Electromagnetic fields and EEG spiking rate in patients with focal epilepsy. <i>Clinical Neurophysiology</i> , 2015, 126, 659-666.   | 0.7 | 13        |
| 393 | The brain network organization during sleep onset after deprivation. <i>Clinical Neurophysiology</i> , 2021, 132, 36-44.   | 0.7 | 13        |
| 394 | A Psychometric Platform to Collect Somatosensory Sensations for Neuroprosthetic Use. <i>Frontiers in Medical Technology</i> , 2021, 3, 619280.   | 1.3 | 13        |
| 395 | Source-level EEG and graph theory reveal widespread functional network alterations in focal epilepsy. <i>Clinical Neurophysiology</i> , 2021, 132, 1663-1676.                                  | 0.7 | 13        |
| 396 | Graph Theory on Brain Cortical Sources in Parkinson's Disease: The Analysis of "Small World" Organization from EEG. <i>Sensors</i> , 2021, 21, 7266.   | 2.1 | 13        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 397 | Entropy as Measure of Brain Networksâ€™ Complexity in Eyes Open and Closed Conditions. Symmetry, 2021, 13, 2178.  | 1.1 | 13        |
| 398 | Actigraphic measurement of the upper limbs movements in acute stroke patients. Journal of NeuroEngineering and Rehabilitation, 2019, 16, 153.   | 2.4 | 12        |
| 399 | Sural nerve biopsy in peripheral neuropathies: 30-year experience from a single center. Neurological Sciences, 2020, 41, 341-346.   | 0.9 | 12        |
| 400 | Computational approaches to decode grasping force and velocity level in upper-limb amputee from intraneural peripheral signals. Journal of Neural Engineering, 2021, 18, 055001.                      | 1.8 | 12        |
| 401 | Contribution of Graph Theory Applied to EEG Data Analysis for Alzheimerâ€™s Disease Versus Vascular Dementia Diagnosis. Journal of Alzheimer's Disease, 2021, 82, 871-879.                            | 1.2 | 12        |
| 402 | Heritability of Intracortical Inhibition and Facilitation. Journal of Neuroscience, 2009, 29, 8897-8900.  | 1.7 | 11        |
| 403 | Overview of the implant of intraneural multielectrodes in human for controlling a 5-fingered hand prosthesis, delivering sensorial feedback and producing rehabilitative neuroplasticity. , 2012, , . |     | 11        |
| 404 | Sleep Deprivation Affects Somatosensory Cortex Excitability as Tested Through Median Nerve Stimulation. Brain Stimulation, 2014, 7, 732-739.  | 0.7 | 11        |
| 405 | Pre-seizure architecture of the local connections of the epileptic focus examined via graph-theory. Clinical Neurophysiology, 2016, 127, 3252-3258.   | 0.7 | 11        |
| 406 | Acute Phase Neuronal Activity for the Prognosis of Stroke Recovery. Neural Plasticity, 2019, 2019, 1-10.  | 1.0 | 11        |
| 407 | CSF cutoffs for MCI due to AD depend on APOEÎ¼4 carrier status. Neurobiology of Aging, 2020, 89, 55-62.   | 1.5 | 11        |
| 408 | Human Brain Networks in Physiological and Pathological Aging: Reproducibility of Electroencephalogram Graph Theoretical Analysis in Cortical Connectivity. Brain Connectivity, 2022, 12, 41-51.       | 0.8 | 11        |
| 409 | A method to monitor motor cortical excitability in human stroke through motor evoked potentials. Brain Research Protocols, 1999, 4, 44-48.  | 1.7 | 10        |
| 410 | Somatosensory Evoked Potentials of Inferior Alveolar Nerve. Journal of Oral and Maxillofacial Surgery, 2006, 64, 594-599.   | 0.5 | 10        |
| 411 | Small world brain network characteristics during EEG Holter recording of a stroke event. Clinical Neurophysiology, 2017, 128, 1-3.  | 0.7 | 10        |
| 412 | Non-invasive electrical brain stimulation for vision restoration after stroke: An exploratory randomized trial (REVIS). Restorative Neurology and Neuroscience, 2021, 39, 221-235.                    | 0.4 | 10        |
| 413 | Is Transcranial Magnetic Stimulation of the Motor Cortex a Prognostic Tool for Motor Recovery After Stroke?. Stroke, 2000, 31, 1457-1466.   | 1.0 | 9         |
| 414 | Contingent Negative Variation in the Parasyllian Cortex Increases During Expectancy of Painful Sensorimotor Events: A Magnetoencephalographic Study.. Behavioral Neuroscience, 2005, 119, 491-502.    | 0.6 | 9         |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 415 | Lack of association between MnSOD gene polymorphism and sporadic Alzheimer's Disease. <i>Aging Clinical and Experimental Research</i> , 2005, 17, 445-448.  | 1.4 | 9         |
| 416 | Areas of intervention for genetic counselling of dementia: Cross-cultural comparison between Italians and Americans. <i>Patient Education and Counseling</i> , 2006, 64, 285-293.   | 1.0 | 9         |
| 417 | Is there a role of near-infrared spectroscopy in predicting the outcome of patients with carotid artery occlusion?. <i>Journal of the Neurological Sciences</i> , 2010, 292, 36-39.   | 0.3 | 9         |
| 418 | Prolonged phone-call posture causes changes of ulnar motor nerve conduction across elbow. <i>Clinical Neurophysiology</i> , 2016, 127, 2728-2732.   | 0.7 | 9         |
| 419 | Assessing the dependence of the number of EEG channels in the brain networks' modulations. <i>Brain Research Bulletin</i> , 2021, 167, 33-36.   | 1.4 | 9         |
| 420 | Neuronavigated Magnetic Stimulation combined with cognitive training for Alzheimer's patients: an EEG graph study. <i>GeroScience</i> , 2022, 44, 159-172.  | 2.1 | 9         |
| 421 | Comparison between Human and Artificial Neural Network Detection of Laplacian-Derived Electroencephalographic Activity Related to Unilateral Voluntary Movements. <i>Journal of Biomedical Informatics</i> , 2000, 33, 59-74.       | 0.7 | 8         |
| 422 | Development of a neurotechnological system for relieving phantom limb pain using transverse intrafascicular electrodes (TIME). <i>Biomedizinische Technik</i> , 2012, 57, 457-65.   | 0.9 | 8         |
| 423 | Resting State Cortical Electroencephalographic Rhythms in Covert Hepatic Encephalopathy and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2013, 34, 707-725.   | 1.2 | 8         |
| 424 | Jitter of Corticospinal Neurons During Repetitive Transcranial Magnetic Stimulation. Method and Possible Clinical Implications. <i>Brain Stimulation</i> , 2014, 7, 580-586.  | 0.7 | 8         |
| 425 | Adaptability and reproducibility of a memory disruption rTMS protocol in the PharmaCog IMI European project. <i>Scientific Reports</i> , 2018, 8, 9371.   | 1.6 | 8         |
| 426 | Biomarker Matrix to Track Short Term Disease Progression in Amnesic Mild Cognitive Impairment Patients with Prodromal Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2019, 69, 49-58.                                 | 1.2 | 8         |
| 427 | Dynamics of the 'Cognitive' Brain Wave P3b at Rest for Alzheimer Dementia Prediction in Mild Cognitive Impairment. <i>International Journal of Neural Systems</i> , 2022, 32, 2250022.  | 3.2 | 8         |
| 428 | N30 in PD. <i>Neurology</i> , 1996, 47, 303-304.  | 1.5 | 7         |
| 429 | Specific forms of neural activity associated with tactile space awareness. <i>NeuroReport</i> , 2002, 13, 997-1001.   | 0.6 | 7         |
| 430 | Replication of association of CHRNA4 rare variants with sporadic amyotrophic lateral sclerosis: The Italian multicentre study. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2012, 13, 580-584.           | 2.3 | 7         |
| 431 | Antiretroviral therapy effects on sources of cortical rhythms in HIV subjects: Responders vs. Mild Responders. <i>Clinical Neurophysiology</i> , 2015, 126, 68-81.  | 0.7 | 7         |
| 432 | One century of healing currents into the brain from the scalp: From electroconvulsive therapy to repetitive transcranial magnetic stimulation for neuropsychiatric disorders. <i>Clinical Neurophysiology</i> , 2022, 133, 145-151. | 0.7 | 7         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 433 | Cortical sources of visual evoked potentials during consciousness of executive processes. <i>Human Brain Mapping</i> , 2009, 30, 998-1013.                                    | 1.9 | 6         |
| 434 | Symptomatic intracranial atherosclerotic disease: an ultrasound 2-year follow-up pilot study. <i>Neurological Sciences</i> , 2018, 39, 1955-1959.                             | 0.9 | 6         |
| 435 | Brain reactions to the use of sensorized hand prosthesis in amputees. <i>Brain and Behavior</i> , 2020, 10, e01734.   | 1.0 | 6         |
| 436 | tDCS effects on brain network properties during physiological aging. <i>Pflugers Archiv European Journal of Physiology</i> , 2021, 473, 785-792.                              | 1.3 | 6         |
| 437 | Shall I Move My Right or My Left Hand?. <i>Journal of Psychophysiology</i> , 2003, 17, 69-86.   | 0.3 | 6         |
| 438 | Tau missing from CSF. <i>Journal of Neurology</i> , 2007, 254, 107-109.   | 1.8 | 5         |
| 439 | Defining a functional network homeostasis after stroke: EEG-based approach is complementary to functional MRI. <i>Brain</i> , 2017, 140, e71-e71.                             | 3.7 | 5         |
| 440 | BDNF Val66Met gene polymorphism modulates brain activity following rTMS-induced memory impairment. <i>Scientific Reports</i> , 2022, 12, 176.                                 | 1.6 | 5         |
| 441 | Influencing poststroke plasticity with electromagnetic brain stimulation. <i>Neurology</i> , 2010, 75, 2146-2147.   | 1.5 | 4         |
| 442 | Severe dyspnoea with alteration of the diffusion capacity of the lung associated with fingolimod treatment. <i>Multiple Sclerosis and Related Disorders</i> , 2016, 9, 11-13. | 0.9 | 4         |
| 443 | Neurophysiological effect of transorbital electrical stimulation: Early results in advanced optic atrophy. <i>Brain Stimulation</i> , 2019, 12, 800-802.                      | 0.7 | 4         |
| 444 | Brain sourcesâ€™ activity in resting state before a visuo-motor task. <i>Journal of Neural Engineering</i> , 2021, 18, 034002.  | 1.8 | 4         |
| 445 | Norms for Automatic Estimation of Hippocampal Atrophy and a Step Forward for Applicability to the Italian Population. <i>Frontiers in Neuroscience</i> , 2021, 15, 656808.    | 1.4 | 4         |
| 446 | Performance prediction in a visuo-motor task: the contribution of EEG analysis. <i>Cognitive Neurodynamics</i> , 2022, 16, 297-308.   | 2.3 | 4         |
| 447 | Neurophysiological makers of plastic brain reorganizazion following central and peripheral lesions. <i>Archives Italiennes De Biologie</i> , 2015, 152, 216-38.               | 0.1 | 4         |
| 448 | Tracking post-stroke recovery with magnetoencephalography. <i>Annals of Neurology</i> , 2001, 49, 136-136.  | 2.8 | 3         |
| 449 | Idiopathic inflammatory myopathies evaluated by near-infrared spectroscopy. <i>Muscle and Nerve</i> , 2015, 51, 830-837.  | 1.0 | 3         |
| 450 | Impaired pain processing in patients with silent myocardial ischemia. <i>International Journal of Cardiology</i> , 2015, 186, 204-206.  | 0.8 | 3         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 451 | The challenge of basilar artery occlusion wake-up stroke: too late for intravenous thrombolysis?. <i>Neurological Sciences</i> , 2016, 37, 1137-1140.   | 0.9 | 3         |
| 452 | Rinsing after spinning: plasmapheresis in EBV-related post-infectious cerebellitis. <i>Journal of Neurology</i> , 2017, 264, 576-577.   | 1.8 | 3         |
| 453 | Aging and brain connectivity via electroencephalographic recordings. <i>Neuroscience</i> , 2019, 422, 228-229.  | 1.1 | 3         |
| 454 | Abnormal Circadian Modification of A $\alpha$ -Fiber Pathway Excitability in Idiopathic Restless Legs Syndrome. <i>Pain Research and Management</i> , 2019, 2019, 1-8.  | 0.7 | 3         |
| 455 | Relationship between Cortical Thickness and EEG Alterations during Sleep in the Alzheimer's Disease. <i>Brain Sciences</i> , 2021, 11, 1174.  | 1.1 | 3         |
| 456 | Brain Networks Modulation in Young and Old Subjects During Transcranial Direct Current Stimulation Applied on Prefrontal and Parietal Cortex. <i>International Journal of Neural Systems</i> , 2021, , 2150056. | 3.2 | 3         |
| 457 | Interhemispheric Differences of Sensory Hand Areas after Monohemispheric Stroke: MEG/MRI Integrative Study. <i>NeuroImage</i> , 2001, 14, 1230.   | 2.1 | 2         |
| 458 | Prevalence and clinical characteristics of postictal psychiatric symptoms in partial epilepsy. <i>Neurology</i> , 2004, 63, 1542-1543.  | 1.5 | 2         |
| 459 | Moving to Fingolimod From Natalizumab in Multiple Sclerosis: The ENIGM Is Not Solved. <i>JAMA Neurology</i> , 2014, 71, 924.  | 4.5 | 2         |
| 460 | 1994-2014 Twenty years from the first guidelines for electrical and magnetic stimulation of brain, spinal cord and spinal roots. <i>Clinical Neurophysiology</i> , 2014, 125, 865-866.                          | 0.7 | 2         |
| 461 | Distinct lymphocytes subsets in IgM-related neuropathy: clinical-immunological correlations. <i>Neurological Sciences</i> , 2015, 36, 303-308.  | 0.9 | 2         |
| 462 | Acyclovir-related kidney injury during alemtuzumab infusion. <i>Journal of Neurology</i> , 2015, 262, 1772-1774.  | 1.8 | 2         |
| 463 | Clinical use of bioelectrical impedance analysis in patients affected by myotonic dystrophy type 1: A cross-sectional study. <i>Nutrition</i> , 2019, 67-68, 110546.  | 1.1 | 2         |
| 464 | Implementing a microneurography setup for online denoising of peripheral motor activity: Preliminary results. , 2012, , .   |     | 1         |
| 465 | Transfer to inpatient rehabilitation facilities after neurological admission. <i>Neurological Sciences</i> , 2017, 38, 687-688.   | 0.9 | 1         |
| 466 | The role of primary visual cortex after transorbital alternating current stimulation in low vision patients. <i>Clinical Neurophysiology</i> , 2020, 131, 2327-2328.  | 0.7 | 1         |
| 467 | Brain network modulation in transradial amputee with finger perception restored through biomimetic intraneural stimulation. <i>Neurological Sciences</i> , 2021, 42, 5369-5372.                                 | 0.9 | 1         |
| 468 | Demographic Changes and the Challenge for a Healthy Ageing. <i>Studies in Health Technology and Informatics</i> , 2014, 203, 23-31.   | 0.2 | 1         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 469 | Chapter 3 Interfacing Insect Brain for Space Applications. International Review of Neurobiology, 2009, 86, 39-47.  | 0.9 | 0         |
| 470 | The vision of the new Executive Committee. Clinical Neurophysiology, 2011, 122, 425-427.   | 0.7 | 0         |
| 471 | Skin conductance level and sudomotor response. Clinical Neurophysiology, 2011, 122, 1904.  | 0.7 | 0         |
| 472 | Informational Digest Bulletin From San Raffaele Foundation and Tosinvest SanitÃ (No. 26). Research on Cortical Sources of EEG Rhythms in Dyslexic Children. Journal of Policy and Practice in Intellectual Disabilities, 2011, 8, 220-221. | 1.7 | 0         |
| 473 | Toward the Development of a Neuro-Controlled Bidirectional Hand Prosthesis. Lecture Notes in Computer Science, 2015, , 105-110.  | 1.0 | 0         |
| 474 | On the Use of Intraneural Transversal Electrodes to Develop Bidirectional Bionic Limbs. Biosystems and Biorobotics, 2017, , 737-741.   | 0.2 | 0         |
| 475 | Abstract 11684: Impaired Cortical Pain Processing in Patients With Silent Myocardial Ischemia. Circulation, 2014, 130, .   | 1.6 | 0         |
| 476 | General principles of brain electromagnetic rhythmic oscillations and implications for neuroplasticity. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2022, 184, 221-237.   | 1.0 | 0         |