

Paolo M Rossini

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8457218/paolo-m-rossini-publications-by-citations.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

467
papers

28,738
citations

79
h-index

149
g-index

490
ext. papers

33,470
ext. citations

4.8
avg, IF

6.84
L-index

#	Paper	IF	Citations
467	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	4.3	3446
466	Evidence-based guidelines on the therapeutic use of repetitive transcranial magnetic stimulation (rTMS). <i>Clinical Neurophysiology</i> , 2014 , 125, 2150-2206	4.3	1209
465	Expression of ectonucleotidase CD39 by Foxp3+ Treg cells: hydrolysis of extracellular ATP and immune suppression. <i>Blood</i> , 2007 , 110, 1225-32	2.2	889
464	Restoring natural sensory feedback in real-time bidirectional hand prostheses. <i>Science Translational Medicine</i> , 2014 , 6, 222ra19	17.5	616
463	Motor cortical disinhibition in the unaffected hemisphere after unilateral cortical stroke. <i>Brain</i> , 2002 , 125, 1896-907	11.2	391
462	Post-stroke plastic reorganisation in the adult brain. <i>Lancet Neurology</i> , 2003 , 2, 493-502	24.1	338
461	Clinical neurophysiology of aging brain: from normal aging to neurodegeneration. <i>Progress in Neurobiology</i> , 2007 , 83, 375-400	10.9	336
460	Transcranial magnetic stimulation: diagnostic, therapeutic, and research potential. <i>Neurology</i> , 2007 , 68, 484-8	6.5	327
459	Screening questionnaire before TMS: an update. <i>Clinical Neurophysiology</i> , 2011 , 122, 1686	4.3	316
458	Double nerve intraneural interface implant on a human amputee for robotic hand control. <i>Clinical Neurophysiology</i> , 2010 , 121, 777-83	4.3	307
457	Mapping of motor cortical reorganization after stroke. A brain stimulation study with focal magnetic pulses. <i>Stroke</i> , 1997 , 28, 110-7	6.7	291
456	Human movement-related potentials vs desynchronization of EEG alpha rhythm: a high-resolution EEG study. <i>NeuroImage</i> , 1999 , 10, 658-65	7.9	265
455	Dynamics of male sexual arousal: distinct components of brain activation revealed by fMRI. <i>NeuroImage</i> , 2005 , 26, 1086-96	7.9	252
454	Outcome of carotid artery occlusion is predicted by cerebrovascular reactivity. <i>Stroke</i> , 1999 , 30, 593-8	6.7	248
453	Validity of the Italian version of the Pittsburgh Sleep Quality Index (PSQI). <i>Neurological Sciences</i> , 2013 , 34, 511-9	3.5	244
452	Consensus paper: combining transcranial stimulation with neuroimaging. <i>Brain Stimulation</i> , 2009 , 2, 58-89	9.1	239
451	Individual analysis of EEG frequency and band power in mild Alzheimer's disease. <i>Clinical Neurophysiology</i> , 2004 , 115, 299-308	4.3	237

450	Prefrontal [correction of Prefontal] cortex in long-term memory: an "interference" approach using magnetic stimulation. <i>Nature Neuroscience</i> , 2001 , 4, 948-52	25.5	227
449	Naming facilitation induced by transcranial direct current stimulation. <i>Behavioural Brain Research</i> , 2010 , 208, 311-8	3.4	220
448	Optimization of an independent component analysis approach for artifact identification and removal in magnetoencephalographic signals. <i>Clinical Neurophysiology</i> , 2004 , 115, 1220-32	4.3	208
447	Sources of cortical rhythms change as a function of cognitive impairment in pathological aging: a multicenter study. <i>Clinical Neurophysiology</i> , 2006 , 117, 252-68	4.3	202
446	Effect of collateral blood flow and cerebral vasomotor reactivity on the outcome of carotid artery occlusion. <i>Stroke</i> , 2001 , 32, 1552-8	6.7	200
445	Intraneural stimulation elicits discrimination of textural features by artificial fingertip in intact and amputee humans. <i>ELife</i> , 2016 , 5, e09148	8.9	196
444	Mapping distributed sources of cortical rhythms in mild Alzheimer's disease. A multicentric EEG study. <i>NeuroImage</i> , 2004 , 22, 57-67	7.9	195
443	The electroencephalographic fingerprint of sleep is genetically determined: a twin study. <i>Annals of Neurology</i> , 2008 , 64, 455-60	9.4	189
442	Sources of cortical rhythms in adults during physiological aging: a multicentric EEG study. <i>Human Brain Mapping</i> , 2006 , 27, 162-72	5.9	184
441	Human Cortical Electroencephalography (EEG) Rhythms during the Observation of Simple Aimless Movements: A High-Resolution EEG Study. <i>NeuroImage</i> , 2002 , 17, 559-572	7.9	172
440	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	3.7	171
439	Interhemispheric asymmetries of motor cortex excitability in the postacute stroke stage: a paired-pulse transcranial magnetic stimulation study. <i>Stroke</i> , 2003 , 34, 2653-8	6.7	169
438	Human brain connectivity during single and paired pulse transcranial magnetic stimulation. <i>NeuroImage</i> , 2011 , 54, 90-102	7.9	162
437	Motor cortex excitability in Alzheimer's disease: a transcranial magnetic stimulation study. <i>Annals of Neurology</i> , 2003 , 53, 102-8	9.4	157
436	Effect of transcranial magnetic stimulation on action naming in patients with Alzheimer disease. <i>Archives of Neurology</i> , 2006 , 63, 1602-4		156
435	Age-related functional changes of prefrontal cortex in long-term memory: a repetitive transcranial magnetic stimulation study. <i>Journal of Neuroscience</i> , 2004 , 24, 7939-44	6.6	153
434	Biomimetic Intraneural Sensory Feedback Enhances Sensation Naturalness, Tactile Sensitivity, and Manual Dexterity in a Bidirectional Prosthesis. <i>Neuron</i> , 2018 , 100, 37-45.e7	13.9	146
433	TMS in cognitive plasticity and the potential for rehabilitation. <i>Trends in Cognitive Sciences</i> , 2004 , 8, 273-94		142

432	Fronto-parietal coupling of brain rhythms in mild cognitive impairment: a multicentric EEG study. <i>Brain Research Bulletin</i> , 2006 , 69, 63-73	3.9	130
431	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	4.3	130
430	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, 1113-29	4.3	127
429	Carpal tunnel syndrome modifies sensory hand cortical somatotopy: a MEG study. <i>Human Brain Mapping</i> , 2002 , 17, 28-36	5.9	127
428	Stratified medicine for mental disorders. <i>European Neuropsychopharmacology</i> , 2014 , 24, 5-50	1.2	121
427	Slow repetitive TMS for drug-resistant epilepsy: clinical and EEG findings of a placebo-controlled trial. <i>Epilepsia</i> , 2007 , 48, 366-74	6.4	118
426	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, 83-6	6.6	118
425	Hippocampal volume and cortical sources of EEG alpha rhythms in mild cognitive impairment and Alzheimer disease. <i>NeuroImage</i> , 2009 , 44, 123-35	7.9	116
424	The role of prefrontal cortex in verbal episodic memory: rTMS evidence. <i>Journal of Cognitive Neuroscience</i> , 2003 , 15, 855-61	3.1	116
423	Neurophysiological follow-up of motor cortical output in stroke patients. <i>Clinical Neurophysiology</i> , 2000 , 111, 1695-703	4.3	116
422	Directionality of EEG synchronization in Alzheimer's disease subjects. <i>Neurobiology of Aging</i> , 2009 , 30, 93-102	5.6	115
421	Abnormal fronto-parietal coupling of brain rhythms in mild Alzheimer's disease: a multicentric EEG study. <i>European Journal of Neuroscience</i> , 2004 , 19, 2583-90	3.5	114
420	Interhemispheric differences of hand muscle representation in human motor cortex. <i>Muscle and Nerve</i> , 1997 , 20, 535-42	3.4	112
419	A closed-loop hand prosthesis with simultaneous intraneural tactile and position feedback. <i>Science Robotics</i> , 2019 , 4,	18.6	110
418	Pre- and poststimulus alpha rhythms are related to conscious visual perception: a high-resolution EEG study. <i>Cerebral Cortex</i> , 2006 , 16, 1690-700	5.1	109
417	A randomized controlled study on effects of ibuprofen on cognitive progression of Alzheimer's disease. <i>Aging Clinical and Experimental Research</i> , 2009 , 21, 102-10	4.8	108
416	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, 1427-46	5.9	107
415	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, 113-27	4.3	105

414	Sub-second "temporal attention" modulates alpha rhythms. A high-resolution EEG study. <i>Cognitive Brain Research</i> , 2004 , 19, 259-68		99
413	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, 181-9	5.5	98
412	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	10.9	98
411	Anodal transcranial direct current stimulation enhances procedural consolidation. <i>Journal of Neurophysiology</i> , 2010 , 104, 1134-40	3.2	98
410	Copper in Alzheimer's disease: a meta-analysis of serum, plasma, and cerebrospinal fluid studies. <i>Journal of Alzheimer's Disease</i> , 2011 , 24, 175-85	4.3	95
409	Spatial enhancement of EEG data by surface Laplacian estimation: the use of magnetic resonance imaging-based head models. <i>Clinical Neurophysiology</i> , 2001 , 112, 724-7	4.3	95
408	Contribution of major amyotrophic lateral sclerosis genes to the etiology of sporadic disease. <i>Neurology</i> , 2012 , 79, 66-72	6.5	94
407	Mobile phone emissions and human brain excitability. <i>Annals of Neurology</i> , 2006 , 60, 188-96	9.4	93
406	Is there a "neural efficiency" in athletes? A high-resolution EEG study. <i>NeuroImage</i> , 2008 , 42, 1544-53	7.9	92
405	Neurophysiological correlates of sleepiness: a combined TMS and EEG study. <i>NeuroImage</i> , 2007 , 36, 1277-87	7.87	92
404	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, 453-72	4.8	90
403	Modulation of cortical oscillatory activity during transcranial magnetic stimulation. <i>Human Brain Mapping</i> , 2008 , 29, 603-12	5.9	90
402	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	3.5	89
401	Anticipatory electroencephalography alpha rhythm predicts subjective perception of pain intensity. <i>Journal of Pain</i> , 2006 , 7, 709-17	5.2	88
400	Brain excitability changes in the relapsing and remitting phases of multiple sclerosis: a study with transcranial magnetic stimulation. <i>Clinical Neurophysiology</i> , 2004 , 115, 956-65	4.3	88
399	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	4.3	85
398	Resting EEG sources correlate with attentional span in mild cognitive impairment and Alzheimer's disease. <i>European Journal of Neuroscience</i> , 2007 , 25, 3742-57	3.5	84
397	Modulation of corticospinal excitability by paired associative stimulation: reproducibility of effects and intraindividual reliability. <i>Clinical Neurophysiology</i> , 2006 , 117, 2667-74	4.3	84

396	Contribution of transcranial magnetic stimulation to assessment of brain connectivity and networks. <i>Clinical Neurophysiology</i> , 2017 , 128, 2125-2139	4.3	83
395	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, 1457-70	3.3	83
394	Transcranial Doppler and near-infrared spectroscopy can evaluate the hemodynamic effect of carotid artery occlusion. <i>Stroke</i> , 2004 , 35, 64-70	6.7	82
393	Six-Month Assessment of a Hand Prosthesis with Intra-neural Tactile Feedback. <i>Annals of Neurology</i> , 2019 , 85, 137-154	9.4	82
392	Brains "in concert": frontal oscillatory alpha rhythms and empathy in professional musicians. <i>NeuroImage</i> , 2012 , 60, 105-16	7.9	81
391	Judgment of actions in experts: a high-resolution EEG study in elite athletes. <i>NeuroImage</i> , 2009 , 45, 512-23	7.1	80
390	Inhibition of auditory cortical responses to ipsilateral stimuli during dichotic listening: evidence from magnetoencephalography. <i>European Journal of Neuroscience</i> , 2004 , 19, 2329-36	3.5	80
389	Donepezil effects on sources of cortical rhythms in mild Alzheimer's disease: Responders vs. Non-Responders. <i>NeuroImage</i> , 2006 , 31, 1650-65	7.9	79
388	Decoding of grasping information from neural signals recorded using peripheral intrafascicular interfaces. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2011 , 8, 53	5.3	77
387	Handedness is mainly associated with an asymmetry of corticospinal excitability and not of transcallosal inhibition. <i>Clinical Neurophysiology</i> , 2004 , 115, 1305-12	4.3	76
386	Apolipoprotein E and alpha brain rhythms in mild cognitive impairment: a multicentric electroencephalogram study. <i>Annals of Neurology</i> , 2006 , 59, 323-34	9.4	75
385	Imagery-induced cortical excitability changes in stroke: a transcranial magnetic stimulation study. <i>Cerebral Cortex</i> , 2006 , 16, 247-53	5.1	75
384	Anticipatory cortical responses during the expectancy of a predictable painful stimulation. A high-resolution electroencephalography study. <i>European Journal of Neuroscience</i> , 2003 , 18, 1692-700	3.5	75
383	Auditory sensory processing in autism: a magnetoencephalographic study. <i>Biological Psychiatry</i> , 2003 , 54, 647-54	7.9	75
382	Functional topography of the secondary somatosensory cortex for nonpainful and painful stimuli: an fMRI study. <i>NeuroImage</i> , 2003 , 20, 1625-38	7.9	74
381	Functional frontoparietal connectivity during short-term memory as revealed by high-resolution EEG coherence analysis. <i>Behavioral Neuroscience</i> , 2004 , 118, 687-97	2.1	73
380	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	4.3	72
379	Human secondary somatosensory cortex is involved in the processing of somatosensory rare stimuli: an fMRI study. <i>NeuroImage</i> , 2008 , 40, 1765-71	7.9	72

378	Changes in fronto-posterior functional coupling at sleep onset in humans. <i>Journal of Sleep Research</i> , 2004 , 13, 209-17	5.8	72
377	Parietal Fast Sleep Spindle Density Decrease in Alzheimer's Disease and Amnesic Mild Cognitive Impairment. <i>Neural Plasticity</i> , 2016 , 2016, 8376108	3.3	72
376	Connectome: Graph theory application in functional brain network architecture. <i>Clinical Neurophysiology Practice</i> , 2017 , 2, 206-213	3.8	71
375	Multimodal integration of EEG, MEG and fMRI data for the solution of the neuroimage puzzle. <i>Magnetic Resonance Imaging</i> , 2004 , 22, 1471-6	3.3	71
374	Multisite longitudinal reliability of tract-based spatial statistics in diffusion tensor imaging of healthy elderly subjects. <i>NeuroImage</i> , 2014 , 101, 390-403	7.9	70
373	Cortical sources of resting EEG rhythms in mild cognitive impairment and subjective memory complaint. <i>Neurobiology of Aging</i> , 2010 , 31, 1787-98	5.6	70
372	Functional frontoparietal connectivity during encoding and retrieval processes follows HERA model. A high-resolution study. <i>Brain Research Bulletin</i> , 2006 , 68, 203-12	3.9	70
371	Human brain cortical correlates of short-latency afferent inhibition: a combined EEG-TMS study. <i>Journal of Neurophysiology</i> , 2012 , 108, 314-23	3.2	69
370	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, 1534-45	4.3	69
369	Brain plasticity in recovery from stroke: an MEG assessment. <i>NeuroImage</i> , 2006 , 32, 1326-34	7.9	69
368	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, 1239-49	4.3	68
367	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	4.7	68
366	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, 556-70	5.6	68
365	Cortical sources of resting state electroencephalographic rhythms in Parkinson's disease related dementia and Alzheimer's disease. <i>Clinical Neurophysiology</i> , 2011 , 122, 2355-64	4.3	68
364	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	14.3	68
363	Hemispherical asymmetry in human SMA during voluntary simple unilateral movements. An fMRI study. <i>Cortex</i> , 2003 , 39, 293-305	3.8	68
362	Focal brain stimulation in healthy humans: motor maps changes following partial hand sensory deprivation. <i>Neuroscience Letters</i> , 1996 , 214, 191-5	3.3	68
361	Mobile phone emission modulates interhemispheric functional coupling of EEG alpha rhythms. <i>European Journal of Neuroscience</i> , 2007 , 25, 1908-13	3.5	67

360	Corticospinal excitability modulation during mental simulation of wrist movements in human subjects. <i>Neuroscience Letters</i> , 1998 , 243, 147-51	3.3	66
359	Ceruloplasmin/Transferrin system is related to clinical status in acute stroke. <i>Stroke</i> , 2009 , 40, 1282-8	6.7	65
358	Mapping of early and late human somatosensory evoked brain potentials to phasic galvanic painful stimulation. <i>Human Brain Mapping</i> , 2001 , 12, 168-79	5.9	65
357	Comparison between SI and SII responses as a function of stimulus intensity. <i>NeuroReport</i> , 2002 , 13, 813-17	4.7	65
356	"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	4.1	64
355	Human brain oscillatory activity phase-locked to painful electrical stimulations: a multi-channel EEG study. <i>Human Brain Mapping</i> , 2002 , 15, 112-23	5.9	64
354	The role of prefrontal cortex in visuo-spatial planning: A repetitive TMS study. <i>Experimental Brain Research</i> , 2006 , 171, 411-5	2.3	63
353	Visuo-spatial consciousness and parieto-occipital areas: a high-resolution EEG study. <i>Cerebral Cortex</i> , 2006 , 16, 37-46	5.1	63
352	Genotype (cystatin C) and EEG phenotype in Alzheimer disease and mild cognitive impairment: a multicentric study. <i>NeuroImage</i> , 2006 , 29, 948-64	7.9	63
351	Transcranial magnetic stimulation in cognitive rehabilitation. <i>Neuropsychological Rehabilitation</i> , 2011 , 21, 579-601	3.1	62
350	Lateralization of dichotic speech stimuli is based on specific auditory pathway interactions: neuromagnetic evidence. <i>Cerebral Cortex</i> , 2007 , 17, 2303-11	5.1	62
349	Anticipation of somatosensory and motor events increases centro-parietal functional coupling: an EEG coherence study. <i>Clinical Neurophysiology</i> , 2006 , 117, 1000-8	4.3	62
348	Free copper distinguishes mild cognitive impairment subjects from healthy elderly individuals. <i>Journal of Alzheimer's Disease</i> , 2011 , 23, 239-48	4.3	61
347	Modulation of corticospinal output to human hand muscles following deprivation of sensory feedback. <i>NeuroImage</i> , 1998 , 8, 163-75	7.9	61
346	Lateralized contribution of prefrontal cortex in controlling task-irrelevant information during verbal and spatial working memory tasks: rTMS evidence. <i>Neuropsychologia</i> , 2008 , 46, 2056-63	3.2	61
345	Interhemispheric differences of sensory hand areas after monohemispheric stroke: MEG/MRI integrative study. <i>NeuroImage</i> , 2001 , 14, 474-85	7.9	61
344	"Gating" of human short-latency somatosensory evoked cortical responses during execution of movement. A high resolution electroencephalography study. <i>Brain Research</i> , 1999 , 843, 161-70	3.7	61
343	Effects of acetylcholinesterase inhibitors and memantine on resting-state electroencephalographic rhythms in Alzheimer's disease patients. <i>Clinical Neurophysiology</i> , 2013 , 124, 837-50	4.3	60

342	The differential involvement of inferior parietal lobule in number comparison: a rTMS study. <i>Neuropsychologia</i> , 2004 , 42, 1902-9	3.2	60
341	Brain-behavior relations: transcranial magnetic stimulation: a review. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2010 , 29, 84-95		59
340	Features of ceruloplasmin in the cerebrospinal fluid of Alzheimer's disease patients. <i>BioMetals</i> , 2008 , 21, 367-72	3.4	59
339	Rhythmic brain activity at rest from rolandic areas in acute mono-hemispheric stroke: a magnetoencephalographic study. <i>NeuroImage</i> , 2005 , 28, 72-83	7.9	59
338	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, 1217-25	7.9	59
337	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, 757-68	5	59
336	Longitudinal reproducibility of default-mode network connectivity in healthy elderly participants: A multicentric resting-state fMRI study. <i>NeuroImage</i> , 2016 , 124, 442-454	7.9	58
335	Defining brain-machine interface applications by matching interface performance with device requirements. <i>Journal of Neuroscience Methods</i> , 2008 , 167, 91-104	3	58
334	Human cortical EEG rhythms during long-term episodic memory task. A high-resolution EEG study of the HERA model. <i>NeuroImage</i> , 2004 , 21, 1576-84	7.9	58
333	The Fall of Sleep K-Complex in Alzheimer Disease. <i>Scientific Reports</i> , 2017 , 7, 39688	4.9	57
332	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	5.5	57
331	Antero-posterior functional coupling at sleep onset: changes as a function of increased sleep pressure. <i>Brain Research Bulletin</i> , 2005 , 65, 133-40	3.9	57
330	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, 161-70	4.3	57
329	Topographic organization of the human primary and secondary somatosensory areas: an fMRI study. <i>NeuroReport</i> , 2000 , 11, 2035-43	1.7	57
328	Mobile phone emission modulates inter-hemispheric functional coupling of EEG alpha rhythms in elderly compared to young subjects. <i>Clinical Neurophysiology</i> , 2010 , 121, 163-71	4.3	56
327	Resting state cortical rhythms in mild cognitive impairment and Alzheimer's disease: electroencephalographic evidence. <i>Journal of Alzheimer's Disease</i> , 2011 , 26 Suppl 3, 201-14	4.3	56
326	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, 859-71	4.3	56
325	Electroencephalographic Fractal Dimension in Healthy Ageing and Alzheimer's Disease. <i>PLoS ONE</i> , 2016 , 11, e0149587	3.7	56

324	Sensorimotor cortex excitability and connectivity in Alzheimer's disease: A TMS-EEG Co-registration study. <i>Human Brain Mapping</i> , 2016 , 37, 2083-96	5.9	56
323	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, 579-85	4.5	55
322	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, 1431-43	5.9	55
321	Callosal effects of transcranial magnetic stimulation (TMS): the influence of gender and stimulus parameters. <i>Neuroscience Research</i> , 2004 , 48, 129-37	2.9	55
320	Searching for signs of aging and dementia in EEG through network analysis. <i>Behavioural Brain Research</i> , 2017 , 317, 292-300	3.4	53
319	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, 1969-80	5.9	53
318	Functional isolation within the cerebral cortex in the vegetative state: a nonlinear method to predict clinical outcomes. <i>Neurorehabilitation and Neural Repair</i> , 2011 , 25, 35-42	4.7	53
317	Cortical sources of resting-state alpha rhythms are abnormal in persistent vegetative state patients. <i>Clinical Neurophysiology</i> , 2009 , 120, 719-29	4.3	52
316	Brain activity preceding a 2D manual catching task. <i>NeuroImage</i> , 2009 , 47, 1735-46	7.9	52
315	High-gamma band activity of primary hand cortical areas: a sensorimotor feedback efficiency index. <i>NeuroImage</i> , 2008 , 40, 256-64	7.9	52
314	Detection of fetal auditory evoked responses by means of magnetoencephalography. <i>Brain Research</i> , 2001 , 917, 167-73	3.7	52
313	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	5.9	51
312	Muscles in "concert": study of primary motor cortex upper limb functional topography. <i>PLoS ONE</i> , 2008 , 3, e3069	3.7	51
311	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, 1015-35	4.3	50
310	Synchronous with your feelings: sensorimotor {gamma} band and empathy for pain. <i>Journal of Neuroscience</i> , 2009 , 29, 12384-92	6.6	50
309	Median nerve somatosensory evoked potentials. Apomorphine-induced transient potentiation of frontal components in Parkinson's disease and in parkinsonism. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , 1995 , 96, 236-47		50
308	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, 745-56	4.3	49
307	ATP7B variants as modulators of copper dyshomeostasis in Alzheimer's disease. <i>NeuroMolecular Medicine</i> , 2013 , 15, 515-22	4.6	48

306	Simultaneous recording of electroencephalographic data in musicians playing in ensemble. <i>Cortex</i> , 2011 , 47, 1082-90	3.8	48
305	Atypical dementia associated with a novel presenilin-2 mutation. <i>Annals of Neurology</i> , 2003 , 54, 832-6	9.4	48
304	Sleep and β Amyloid Deposition in Alzheimer Disease: Insights on Mechanisms and Possible Innovative Treatments. <i>Frontiers in Pharmacology</i> , 2019 , 10, 695	5.6	47
303	Fe and Cu do not differ in Parkinson's disease: a replication study plus meta-analysis. <i>Neurobiology of Aging</i> , 2013 , 34, 632-3	5.6	47
302	Small-World Characteristics of Cortical Connectivity Changes in Acute Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2017 , 31, 81-94	4.7	47
301	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> , 2010 , 22, 1047-64	4.3	47
300	Outcome prediction in acute monohemispheric stroke via magnetoencephalography. <i>Journal of Neurology</i> , 2007 , 254, 296-305	5.5	47
299	Free copper and resting temporal EEG rhythms correlate across healthy, mild cognitive impairment, and Alzheimer's disease subjects. <i>Clinical Neurophysiology</i> , 2007 , 118, 1244-60	4.3	47
298	Cortical connectivity in fronto-temporal focal epilepsy from EEG analysis: A study via graph theory. <i>Clinical Neurophysiology</i> , 2015 , 126, 1108-1116	4.3	46
297	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, 1633-41	5.6	46
296	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	3.2	46
295	Ceruloplasmin fragmentation is implicated in 'free' copper deregulation of Alzheimer's disease. <i>Prion</i> , 2008 , 2, 23-7	2.3	46
294	White matter vascular lesions are related to parietal-to-frontal coupling of EEG rhythms in mild cognitive impairment. <i>Human Brain Mapping</i> , 2008 , 29, 1355-67	5.9	46
293	Hand somatosensory subcortical and cortical sources assessed by functional source separation: an EEG study. <i>Human Brain Mapping</i> , 2009 , 30, 660-74	5.9	45
292	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	5.9	45
291	Human cortical rhythms during visual delayed choice reaction time tasks. A high-resolution EEG study on normal aging. <i>Behavioural Brain Research</i> , 2004 , 153, 261-71	3.4	45
290	Right hemisphere specialization for intensity discrimination of musical and speech sounds. <i>Neuropsychologia</i> , 2005 , 43, 1916-23	3.2	45
289	Association of K832R and R952K SNPs of Wilson's disease gene with Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2012 , 29, 913-9	4.3	44

288	Cortical neuromodulation modifies cerebral vasomotor reactivity. <i>Stroke</i> , 2010 , 41, 2087-90	6.7	44
287	White-matter vascular lesions correlate with alpha EEG sources in mild cognitive impairment. <i>Neuropsychologia</i> , 2008 , 46, 1707-20	3.2	44
286	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	5.6	43
285	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, 260-8	2.9	43
284	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, 331-46	4.3	42
283	Resting state eyes-closed cortical rhythms in patients with locked-in-syndrome: an EEG study. <i>Clinical Neurophysiology</i> , 2010 , 121, 1816-24	4.3	42
282	Transcranial magnetic stimulation reveals an interhemispheric asymmetry of cortical inhibition in focal epilepsy. <i>NeuroReport</i> , 2000 , 11, 701-7	1.7	42
281	Linkage disequilibrium and haplotype analysis of the ATP7B gene in Alzheimer's disease. <i>Rejuvenation Research</i> , 2013 , 16, 3-10	2.6	41
280	Motor cortex excitability in Alzheimer's disease: a transcranial magnetic stimulation follow-up study. <i>Neuroscience Letters</i> , 2011 , 492, 94-8	3.3	41
279	Cortical plasticity induced by transcranial magnetic stimulation during wakefulness affects electroencephalogram activity during sleep. <i>PLoS ONE</i> , 2008 , 3, e2483	3.7	41
278	Use of an Italian version of the telephone interview for cognitive status in Alzheimer's disease. <i>International Journal of Geriatric Psychiatry</i> , 2006 , 21, 126-33	3.9	41
277	Changes in movement-related brain activity during transient deafferentation: a neuromagnetic study. <i>Brain Research</i> , 1996 , 714, 201-8	3.7	41
276	Alpha and beta EEG power reflects L-dopa acute administration in parkinsonian patients. <i>Frontiers in Aging Neuroscience</i> , 2014 , 6, 302	5.3	40
275	Increase of theta/gamma and alpha3/alpha2 ratio is associated with amygdalo-hippocampal complex atrophy. <i>Journal of Alzheimer's Disease</i> , 2009 , 17, 349-57	4.3	40
274	Distraction affects frontal alpha rhythms related to expectancy of pain: an EEG study. <i>NeuroImage</i> , 2006 , 31, 1268-77	7.9	40
273	Alpha event-related desynchronization preceding a go/no-go task: a high-resolution EEG study. <i>Neuropsychologia</i> , 2004 , 18, 719-28	3.8	40
272	Topographic electroencephalogram changes associated with psychomotor vigilance task performance after sleep deprivation. <i>Sleep Medicine</i> , 2014 , 15, 1132-9	4.6	39
271	Choice of multivariate autoregressive model order affecting real network functional connectivity estimate. <i>Clinical Neurophysiology</i> , 2009 , 120, 436-48	4.3	39

270	Functional localization of the sensory hand area with respect to the motor central gyrus knob. <i>NeuroReport</i> , 1999 , 10, 3809-14	1.7	39
269	Prognostic Value of EEG Microstates in Acute Stroke. <i>Brain Topography</i> , 2017 , 30, 698-710	4.3	38
268	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	9.4	38
267	Cortical EEG alpha rhythms reflect task-specific somatosensory and motor interactions in humans. <i>Clinical Neurophysiology</i> , 2014 , 125, 1936-45	4.3	38
266	Brain vascular damage of cholinergic pathways and EEG markers in mild cognitive impairment. <i>Journal of Alzheimer's Disease</i> , 2008 , 15, 357-72	4.3	38
265	Cortical short-term fatigue effects assessed via rhythmic brain-muscle coherence. <i>Experimental Brain Research</i> , 2006 , 174, 144-51	2.3	38
264	Hand cortical representation at rest and during activation: gender and age effects in the two hemispheres. <i>Clinical Neurophysiology</i> , 2006 , 117, 1518-28	4.3	38
263	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, 137-40	3.3	38
262	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, 645-53	5.9	37
261	Fetal auditory responses to external sounds and mother's heart beat: detection improved by Independent Component Analysis. <i>Brain Research</i> , 2006 , 1101, 51-8	3.7	37
260	Regional MRI Diffusion, White-Matter Hyperintensities, and Cognitive Function in Alzheimer's Disease and Vascular Dementia. <i>Journal of Clinical Neurology (Korea)</i> , 2016 , 12, 201-8	1.7	37
259	Intra-cortical connectivity in multiple sclerosis: a neurophysiological approach. <i>Brain</i> , 2008 , 131, 1783-92	11.2	36
258	Intraneural sensory feedback restores grip force control and motor coordination while using a prosthetic hand. <i>Journal of Neural Engineering</i> , 2019 , 16, 026034	5	35
257	Brain Plasticity Effects of Neuromodulation Against Multiple Sclerosis Fatigue. <i>Frontiers in Neurology</i> , 2015 , 6, 141	4.1	35
256	Hyperhomocysteinemia, intima-media thickness and C677T MTHFR gene polymorphism: a correlation study in patients with cognitive impairment. <i>Atherosclerosis</i> , 2009 , 206, 309-13	3.1	35
255	Neuronal functionality assessed by magnetoencephalography is related to oxidative stress system in acute ischemic stroke. <i>NeuroImage</i> , 2009 , 44, 1267-73	7.9	35
254	The pilot European Alzheimer's Disease Neuroimaging Initiative of the European Alzheimer's Disease Consortium. <i>Alzheimer's and Dementia</i> , 2008 , 4, 255-64	1.2	35
253	Functional source separation from magnetoencephalographic signals. <i>Human Brain Mapping</i> , 2006 , 27, 925-34	5.9	35

252	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	5.6	34
251	Alpha rhythms in mild demented during visual delayed choice reaction time tasks: a MEG study. <i>Brain Research Bulletin</i> , 2005 , 65, 457-70	3.9	34
250	Cortical connectivity modulation during sleep onset: A study via graph theory on EEG data. <i>Human Brain Mapping</i> , 2017 , 38, 5456-5464	5.9	33
249	Is sleep essential for neural plasticity in humans, and how does it affect motor and cognitive recovery?. <i>Neural Plasticity</i> , 2013 , 2013, 103949	3.3	33
248	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, 1916-31	5.9	33
247	An observational study on the influence of the APOE-epsilon4 allele on the correlation between 'free' copper toxicosis and EEG activity in Alzheimer disease. <i>Brain Research</i> , 2008 , 1215, 183-9	3.7	33
246	Temporal dynamics of plastic changes in human primary somatosensory cortex after finger webbing. <i>Cerebral Cortex</i> , 2007 , 17, 2134-42	5.1	33
245	Reproducibility of callosal effects of transcranial magnetic stimulation (TMS) with interhemispheric paired pulses. <i>Neuroscience Research</i> , 2003 , 46, 219-27	2.9	33
244	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, 171-4	3.3	33
243	Association Between Serum Ceruloplasmin Specific Activity and Risk of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2016 , 50, 1181-9	4.3	33
242	Thalamocortical sensorimotor circuit in multiple sclerosis: an integrated structural and electrophysiological assessment. <i>Human Brain Mapping</i> , 2010 , 31, 1588-600	5.9	32
241	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, 902-11	5.2	32
240	Recognition of schematic facial displays of emotion in parents of children with autism. <i>Autism</i> , 2006 , 10, 353-64	6.6	32
239	Attentional processes and cognitive performance during expectancy of painful galvanic stimulations: a high-resolution EEG study. <i>Behavioural Brain Research</i> , 2004 , 152, 137-47	3.4	32
238	Neurophysiological features of motor cortex excitability and plasticity in Subcortical Ischemic Vascular Dementia: a TMS mapping study. <i>Clinical Neurophysiology</i> , 2015 , 126, 906-13	4.3	31
237	Longitudinal reproducibility of automatically segmented hippocampal subfields: A multisite European 3T study on healthy elderly. <i>Human Brain Mapping</i> , 2015 , 36, 3516-27	5.9	31
236	Mobile phone emission increases inter-hemispheric functional coupling of electroencephalographic β rhythms in epileptic patients. <i>International Journal of Psychophysiology</i> , 2012 , 84, 164-71	2.9	31
235	GSTM1 null genotype as risk factor for late-onset Alzheimer's disease in Italian patients. <i>Journal of the Neurological Sciences</i> , 2012 , 317, 137-40	3.2	31

234	Hand sensory-motor cortical network assessed by functional source separation. <i>Human Brain Mapping</i> , 2008 , 29, 70-81	5.9	31
233	Distinct olfactory cross-modal effects on the human motor system. <i>PLoS ONE</i> , 2008 , 3, e1702	3.7	31
232	Non-Ceruloplasmin Copper Distincts Subtypes in Alzheimer's Disease: a Genetic Study of ATP7B Frequency. <i>Molecular Neurobiology</i> , 2017 , 54, 671-681	6.2	30
231	Combined analysis of cortical (EEG) and nerve stump signals improves robotic hand control. <i>Neurorehabilitation and Neural Repair</i> , 2012 , 26, 275-81	4.7	30
230	Personalized, bilateral whole-body somatosensory cortex stimulation to relieve fatigue in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2018 , 24, 1366-1374	5	30
229	RANTES correlates with inflammatory activity and synaptic excitability in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2016 , 22, 1405-1412	5	29
228	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	2.9	29
227	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, 203-7	3.3	29
226	Brain structures activated by overt and covert emotional visual stimuli. <i>Brain Research Bulletin</i> , 2009 , 79, 258-64	3.9	29
225	Morphology of somatosensory evoked fields: inter-hemispheric similarity as a parameter for physiological and pathological neural connectivity. <i>Neuroscience Letters</i> , 2000 , 287, 203-6	3.3	29
224	Botulinum toxin type-A treatment in spastic paraparesis: a neurophysiological study. <i>Journal of the Neurological Sciences</i> , 2000 , 181, 89-97	3.2	29
223	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, 1711-8		28
222	Cortical responses to consciousness of schematic emotional facial expressions: a high-resolution EEG study. <i>Human Brain Mapping</i> , 2010 , 31, 1556-69	5.9	28
221	The role of the prefrontal cortex in sentence comprehension: an rTMS study. <i>Cortex</i> , 2008 , 44, 337-44	3.8	28
220	Cortical sensorimotor interactions during the expectancy of a go/no-go task: effects of painful stimuli. <i>Behavioral Neuroscience</i> , 2004 , 118, 925-35	2.1	28
219	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, 2114-32	5.9	27
218	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, 240-7	2.9	27
217	Neuromagnetic functional coupling during dichotic listening of speech sounds. <i>Human Brain Mapping</i> , 2008 , 29, 253-64	5.9	26

216	Brain sensorimotor hand area functionality in acute stroke: insights from magnetoencephalography. <i>NeuroImage</i> , 2004 , 23, 542-50	7.9	26
215	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	6.2	25
214	Anodal Transcranial Direct Current Stimulation Promotes Frontal Compensatory Mechanisms in Healthy Elderly Subjects. <i>Frontiers in Aging Neuroscience</i> , 2017 , 9, 420	5.3	25
213	Effects of somatosensory stimulation and attention on human somatosensory cortex: an fMRI study. <i>NeuroImage</i> , 2010 , 53, 181-8	7.9	25
212	Novel T719P AbetaPP mutation unbalances the relative proportion of amyloid-beta peptides. <i>Journal of Alzheimer's Disease</i> , 2009 , 18, 295-303	4.3	25
211	Copper perturbation in 2 monozygotic twins discordant for degree of cognitive impairment. <i>Archives of Neurology</i> , 2004 , 61, 738-43		25
210	Are autonomic signals influencing cortico-spinal motor excitability? A study with transcranial magnetic stimulation. <i>Brain Research</i> , 2000 , 881, 159-64	3.7	25
209	Effect of paired transcranial magnetic stimulation on the cortical silent period. <i>Brain Research</i> , 1999 , 834, 74-82	3.7	25
208	In Search of Sleep Biomarkers of Alzheimer's Disease: K-Complexes Do Not Discriminate between Patients with Mild Cognitive Impairment and Healthy Controls. <i>Brain Sciences</i> , 2017 , 7,	3.4	24
207	Neurophysiological assessment of Alzheimer's disease individuals by a single electroencephalographic marker. <i>Journal of Alzheimer's Disease</i> , 2016 , 49, 159-77	4.3	24
206	Activity-dependent modulation of synaptic transmission in the intact human motor cortex revealed with transcranial magnetic stimulation. <i>Cerebral Cortex</i> , 2002 , 12, 1057-62	5.1	24
205	Metal-score as a potential non-invasive diagnostic test for Alzheimer's disease. <i>Current Alzheimer Research</i> , 2013 , 10, 191-8	3	24
204	Human brain connectivity: Clinical applications for clinical neurophysiology. <i>Clinical Neurophysiology</i> , 2020 , 131, 1621-1651	4.3	23
203	Phantom somatosensory evoked potentials following selective intraneural electrical stimulation in two amputees. <i>Clinical Neurophysiology</i> , 2018 , 129, 1117-1120	4.3	23
202	Ultrasound evaluation in transthyretin-related amyloid neuropathy. <i>Muscle and Nerve</i> , 2014 , 50, 372-6	3.4	23
201	Mobile phone emission modulates event-related desynchronization of β rhythms and cognitive-motor performance in healthy humans. <i>Clinical Neurophysiology</i> , 2012 , 123, 121-8	4.3	23
200	Prospects of brain-machine interfaces for space system control. <i>Acta Astronautica</i> , 2009 , 64, 448-456	2.9	23
199	Human cortical responses during one-bit delayed-response tasks: an fMRI study. <i>Brain Research Bulletin</i> , 2005 , 65, 383-90	3.9	23

198	Gamma synchronization in human primary somatosensory cortex as revealed by somatosensory evoked neuromagnetic fields. <i>Brain Research</i> , 2003 , 986, 63-70	3.7	23
197	Expectancy of pain is influenced by motor preparation: a high-resolution EEG study of cortical alpha rhythms. <i>Behavioral Neuroscience</i> , 2005 , 119, 503-11	2.1	23
196	A systems medicine clinical platform for understanding and managing non- communicable diseases. <i>Current Pharmaceutical Design</i> , 2014 , 20, 5945-56	3.3	23
195	Non-invasive electric current stimulation for restoration of vision after unilateral occipital stroke. <i>Contemporary Clinical Trials</i> , 2015 , 43, 231-6	2.3	22
194	Ibuprofen treatment modifies cortical sources of EEG rhythms in mild Alzheimer's disease. <i>Clinical Neurophysiology</i> , 2009 , 120, 709-18	4.3	22
193	Environmental noise-exposed workers: event-related potentials, neuropsychological and mood assessment. <i>International Journal of Psychophysiology</i> , 2007 , 65, 228-37	2.9	22
192	Somatosensory dynamic gamma-band synchrony: a neural code of sensorimotor dexterity. <i>NeuroImage</i> , 2007 , 35, 185-93	7.9	22
191	Human alpha rhythms during visual delayed choice reaction time tasks: a magnetoencephalography study. <i>Human Brain Mapping</i> , 2005 , 24, 184-92	5.9	22
190	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	3.2	21
189	Inter-hemispheric functional coupling of eyes-closed resting EEG rhythms in adolescents with Down syndrome. <i>Clinical Neurophysiology</i> , 2009 , 120, 1619-27	4.3	21
188	Delta dipole density and strength in acute monohemispheric stroke. <i>Neuroscience Letters</i> , 2007 , 416, 310-4	3.3	21
187	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	3	21
186	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	3.5	21
185	Age related differences in functional synchronization of EEG activity as evaluated by means of TMS-EEG coregistrations. <i>Neuroscience Letters</i> , 2017 , 647, 141-146	3.3	20
184	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	2.3	20
183	Effects of transcranial direct current stimulation on the functional coupling of the sensorimotor cortical network. <i>NeuroImage</i> , 2016 , 140, 50-6	7.9	20
182	Brain electroencephalographic segregation as a biomarker of learning. <i>Neural Networks</i> , 2018 , 106, 168-174	3.7	20
181	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	7.4	20

180	Cortical sources of resting state EEG rhythms are abnormal in dyslexic children. <i>Clinical Neurophysiology</i> , 2012 , 123, 2384-91	4.3	20
179	Patients with migraine with aura have increased flow mediated dilation. <i>BMC Neurology</i> , 2010 , 10, 18	3.1	20
178	Functional coupling between anterior prefrontal cortex (BA10) and hand muscle contraction during intentional and imitative motor acts. <i>NeuroImage</i> , 2008 , 39, 1314-23	7.9	20
177	Reduction of transcallosal inhibition upon awakening from REM sleep in humans as assessed by transcranial magnetic stimulation. <i>Sleep</i> , 2004 , 27, 875-82	1.1	20
176	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, 31-6	5.8	20
175	Cortical networks generating movement-related EEG rhythms in Alzheimer's disease: an EEG coherence study. <i>Behavioral Neuroscience</i> , 2004 , 118, 698-706	2.1	20
174	Decreased sympathetic inhibition in gastroesophageal reflux disease. <i>Clinical Autonomic Research</i> , 2001 , 11, 45-51	4.3	20
173	Cerebral hemodynamics in patients with carotid artery occlusion and contralateral moderate or severe internal carotid artery stenosis. <i>Journal of Neurosurgery</i> , 2001 , 94, 559-64	3.2	20
172	Remodelling of sensorimotor maps in paraplegia: a functional magnetic resonance imaging study after a surgical nerve transfer. <i>Neuroscience Letters</i> , 2001 , 303, 62-6	3.3	20
171	Cortical sources of resting-state EEG rhythms are abnormal in naïve HIV subjects. <i>Clinical Neurophysiology</i> , 2012 , 123, 2163-71	4.3	19
170	Hyperhomocysteinemia in patients with epilepsy: does it play a role in the pathogenesis of brain atrophy? A preliminary report. <i>Epilepsia</i> , 2009 , 50 Suppl 1, 33-6	6.4	19
169	Functional cortico-muscular coupling during upright standing in athletes and nonathletes: a coherence electroencephalographic-electromyographic study. <i>Behavioral Neuroscience</i> , 2008 , 122, 917-27 ¹		19
168	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, 1486-92	5.1	19
167	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, 1577-81	5.6	19
166	Brain Networks are Independently Modulated by Donepezil, Sleep, and Sleep Deprivation. <i>Brain Topography</i> , 2018 , 31, 380-391	4.3	19
165	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	5	18
164	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	8.9	18
163	Decoding of grasping tasks from intraneural recordings in trans-radial amputee. <i>Journal of Neural Engineering</i> , 2020 , 17, 026034	5	18

162	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	2.1	18
161	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	5.9	18
160	Cortical sources of EEG rhythms are abnormal in down syndrome. <i>Clinical Neurophysiology</i> , 2010 , 121, 1205-12	4.3	18
159	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, 323-32	2.5	18
158	Cortical sources of awake scalp EEG in eating disorders. <i>Clinical Neurophysiology</i> , 2007 , 118, 1213-22	4.3	18
157	Neural connectivity in hand sensorimotor brain areas: an evaluation by evoked field morphology. <i>Human Brain Mapping</i> , 2005 , 24, 99-108	5.9	18
156	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	1	18
155	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	4.3	17
154	Effects of mobile phone signals over BOLD response while performing a cognitive task. <i>Clinical Neurophysiology</i> , 2012 , 123, 129-36	4.3	17
153	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, 437-51	4.3	17
152	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, 1201-3	5.5	17
151	Slow cortical potential shifts preceding sensorimotor interactions. <i>Brain Research Bulletin</i> , 2005 , 65, 309-316	3.6	17
150	Plasma A β 2 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	4.3	17
149	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	4.3	17
148	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	4.3	17
147	Subclinical epileptiform activity during sleep in Alzheimer's disease and mild cognitive impairment. <i>Clinical Neurophysiology</i> , 2020 , 131, 1011-1018	4.3	16
146	Complex fasciculation potentials and survival in amyotrophic lateral sclerosis. <i>Clinical Neurophysiology</i> , 2014 , 125, 1059-64	4.3	16
145	Clinical-neurophysiological correlations in a series of patients with IgM-related neuropathy. <i>Clinical Neurophysiology</i> , 2013 , 124, 1899-903	4.3	16

144	Hand Control With Invasive Feedback Is Not Impaired by Increased Cognitive Load. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 287	5.8	16
143	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	2.7	16
142	Electroencephalography-Derived Sensory and Motor Network Topology in Multiple Sclerosis Fatigue. <i>Neurorehabilitation and Neural Repair</i> , 2017 , 31, 56-64	4.7	15
141	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	7.9	15
140	Morphological Neural Computation Restores Discrimination of Naturalistic Textures in Trans-radial Amputees. <i>Scientific Reports</i> , 2020 , 10, 527	4.9	15
139	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	4.3	15
138	Antioxidant status and APOE genotype as susceptibility factors for neurodegeneration in Alzheimer's disease and vascular dementia. <i>Rejuvenation Research</i> , 2013 , 16, 51-6	2.6	15
137	The 894G > T (Glu298Asp) variant in the endothelial NOS gene and MTHFR polymorphisms influence homocysteine levels in patients with cognitive decline. <i>NeuroMolecular Medicine</i> , 2011 , 13, 167-74	4.6	15
136	Cerebral restorative plasticity from normal ageing to brain diseases: a "never ending story". <i>Restorative Neurology and Neuroscience</i> , 2010 , 28, 349-66	2.8	15
135	Contradiction in universal and particular reasoning. <i>Human Brain Mapping</i> , 2009 , 30, 4187-97	5.9	15
134	fMRI-vs-MEG evaluation of post-stroke interhemispheric asymmetries in primary sensorimotor hand areas. <i>Experimental Neurology</i> , 2007 , 204, 631-9	5.7	15
133	rTMS for PTSD: induced merciful oblivion or elimination of abnormal hypermnesia?. <i>Behavioural Neurology</i> , 2006 , 17, 195-9	3	15
132	Cortical neurodynamics changes mediate the efficacy of a personalized neuromodulation against multiple sclerosis fatigue. <i>Scientific Reports</i> , 2019 , 9, 18213	4.9	15
131	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, 177-87	2.8	14
130	Cortical sources of resting-state EEG rhythms in "experienced" HIV subjects under antiretroviral therapy. <i>Clinical Neurophysiology</i> , 2014 , 125, 1792-802	4.3	14
129	Prefrontal cortex controls human balance during overground ataxic gait. <i>Restorative Neurology and Neuroscience</i> , 2012 , 30, 397-405	2.8	14
128	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, 138-46	5.9	14
127	Event-related power modulations of brain activity preceding visually guided saccades. <i>Brain Research</i> , 2007 , 1136, 122-31	3.7	14

126	Directional information flows between brain hemispheres during presleep wake and early sleep stages. <i>Cerebral Cortex</i> , 2007 , 17, 1970-8	5.1	14
125	Different modalities of painful somatosensory stimulations affect anticipatory cortical processes: a high-resolution EEG study. <i>Brain Research Bulletin</i> , 2007 , 71, 475-84	3.9	14
124	Hemoglobin oxygen saturation as a marker of cerebral hemodynamics in carotid artery occlusion: an integrated transcranial doppler and near-infrared spectroscopy study. <i>Journal of Neurology</i> , 2006 , 253, 1459-65	5.5	14
123	Transient human cortical responses during the observation of simple finger movements: a high-resolution EEG study. <i>Human Brain Mapping</i> , 2003 , 20, 148-57	5.9	14
122	From Mild Cognitive Impairment to Alzheimer's Disease: A New Perspective in the "Land" of Human Brain Reactivity and Connectivity. <i>Journal of Alzheimer's Disease</i> , 2016 , 53, 1389-93	4.3	14
121	Biological factors and age-dependence of primary motor cortex experimental plasticity. <i>Neurological Sciences</i> , 2016 , 37, 211-8	3.5	13
120	Classification of Alzheimer's Disease with Respect to Physiological Aging with Innovative EEG Biomarkers in a Machine Learning Implementation. <i>Journal of Alzheimer's Disease</i> , 2020 , 75, 1253-1261	4.3	13
119	Corticomotor Plasticity Predicts Clinical Efficacy of Combined Neuromodulation and Cognitive Training in Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2020 , 12, 200	5.3	13
118	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	2	13
117	Predicting and Tracking Short Term Disease Progression in Amnesic Mild Cognitive Impairment Patients with Prodromal Alzheimer's Disease: Structural Brain Biomarkers. <i>Journal of Alzheimer's Disease</i> , 2019 , 69, 3-14	4.3	13
116	Bilateral 5 Hz transcranial alternating current stimulation on fronto-temporal areas modulates resting-state EEG. <i>Scientific Reports</i> , 2017 , 7, 15672	4.9	13
115	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	3.9	13
114	Passive tactile recognition of geometrical shape in humans: An fMRI study. <i>Brain Research Bulletin</i> , 2010 , 83, 223-31	3.9	13
113	Implications of brain plasticity to brain-machine interfaces operation a potential paradox?. <i>International Review of Neurobiology</i> , 2009 , 86, 81-90	4.4	13
112	Intracortical inhibition and facilitation upon awakening from different sleep stages: a transcranial magnetic stimulation study. <i>European Journal of Neuroscience</i> , 2004 , 19, 3099-104	3.5	13
111	Sudomotor skin responses to brain stimulation do not depend on nerve sensory fiber functionality. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , 1993 , 89, 447-51		13
110	The Italian INTERCEPTOR Project: From the Early Identification of Patients Eligible for Prescription of Antidementia Drugs to a Nationwide Organizational Model for Early Alzheimer's Disease Diagnosis. <i>Journal of Alzheimer's Disease</i> , 2019 , 72, 373-388	4.3	12
109	Electromagnetic fields and EEG spiking rate in patients with focal epilepsy. <i>Clinical Neurophysiology</i> , 2015 , 126, 659-66	4.3	12

108	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,	3.6	12
107	Pre-stimulus alpha power affects vertex N2-P2 potentials evoked by noxious stimuli. <i>Brain Research Bulletin</i> , 2008 , 75, 581-90	3.9	12
106	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	3.2	12
105	Cortical Brain Connectivity and B-Type Natriuretic Peptide in Patients With Congestive Heart Failure. <i>Clinical EEG and Neuroscience</i> , 2015 , 46, 224-9	2.3	11
104	Tracking Neuronal Connectivity from Electric Brain Signals to Predict Performance. <i>Neuroscientist</i> , 2019 , 25, 86-93	7.6	11
103	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	4.9	11
102	Inter-hemispherical functional coupling of EEG rhythms during the perception of facial emotional expressions. <i>Clinical Neurophysiology</i> , 2013 , 124, 263-72	4.3	11
101	Trunk-lower limb coordination pattern during gait in patients with ataxia. <i>Gait and Posture</i> , 2017 , 57, 252-257	2.6	11
100	Admission neurophysiological abnormalities in Guillain-Barré syndrome: A single-center experience. <i>Clinical Neurology and Neurosurgery</i> , 2015 , 135, 6-10	2	11
99	Brain redundancy: Responsivity or plasticity?. <i>Annals of Neurology</i> , 2000 , 48, 128-129	9.4	11
98	BDNF rs6265 polymorphism methylation in Multiple Sclerosis: A possible marker of disease progression. <i>PLoS ONE</i> , 2018 , 13, e0206140	3.7	11
97	Cortical inhibition of laser pain and laser-evoked potentials by non-nociceptive somatosensory input. <i>European Journal of Neuroscience</i> , 2015 , 42, 2407-14	3.5	10
96	District-related frequency specificity in hand cortical representation: dynamics of regional activation and intra-regional synchronization. <i>Brain Research</i> , 2004 , 1014, 80-6	3.7	10
95	EEG alterations during wake and sleep in mild cognitive impairment and Alzheimer's disease. <i>iScience</i> , 2021 , 24, 102386	6.1	10
94	Training in the practice of noninvasive brain stimulation: Recommendations from an IFCN committee. <i>Clinical Neurophysiology</i> , 2021 , 132, 819-837	4.3	10
93	Small world brain network characteristics during EEG Holter recording of a stroke event. <i>Clinical Neurophysiology</i> , 2017 , 128, 1-3	4.3	9
92	Directional information flows between brain hemispheres across waking, non-REM and REM sleep states: an EEG study. <i>Brain Research Bulletin</i> , 2009 , 78, 270-5	3.9	9
91	Neurophysiological evaluation of tactile space perception deficits through transcranial magnetic stimulation. <i>Brain Research Protocols</i> , 2000 , 5, 25-9		9

90	A method to monitor motor cortical excitability in human stroke through motor evoked potentials. <i>Brain Research Protocols</i> , 1999 , 4, 44-8		9
89	Sleep deprivation affects somatosensory cortex excitability as tested through median nerve stimulation. <i>Brain Stimulation</i> , 2014 , 7, 732-9	5.1	8
88	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, 36-9	3.2	8
87	Heritability of intracortical inhibition and facilitation. <i>Journal of Neuroscience</i> , 2009 , 29, 8897-900	6.6	8
86	Lack of association between MnSOD gene polymorphism and sporadic Alzheimer's disease. <i>Aging Clinical and Experimental Research</i> , 2005 , 17, 445-8	4.8	8
85	Contingent negative variation in the parasyllvian cortex increases during expectancy of painful sensorimotor events: a magnetoencephalographic study. <i>Behavioral Neuroscience</i> , 2005 , 119, 491-502	2.1	8
84	Is transcranial magnetic stimulation of the motor cortex a prognostic tool for motor recovery after stroke?. <i>Stroke</i> , 2000 , 31, 1463-4	6.7	8
83	Sensitivity to temporal parameters of intraneural tactile sensory feedback. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2020 , 17, 110	5.3	8
82	Mild Cognitive Impairment and Mild Dementia: The Role of (EGb 761). <i>Pharmaceuticals</i> , 2021 , 14,	5.2	8
81	Approximate Entropy of Brain Network in the Study of Hemispheric Differences. <i>Entropy</i> , 2020 , 22,	2.8	7
80	Jitter of corticospinal neurons during repetitive transcranial magnetic stimulation. Method and possible clinical implications. <i>Brain Stimulation</i> , 2014 , 7, 580-6	5.1	7
79	Cortical sources of EEG rhythms in congestive heart failure and Alzheimer's disease. <i>International Journal of Psychophysiology</i> , 2012 , 86, 98-107	2.9	7
78	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, 580-4		7
77	Resting state cortical electroencephalographic rhythms in covert hepatic encephalopathy and Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2013 , 34, 707-25	4.3	7
76	Transient athetosis induced by tiagabine. <i>Epilepsia</i> , 2006 , 47, 799-800	6.4	7
75	Specific forms of neural activity associated with tactile space awareness. <i>NeuroReport</i> , 2002 , 13, 997-1001	17	7
74	Sural nerve biopsy in peripheral neuropathies: 30-year experience from a single center. <i>Neurological Sciences</i> , 2020 , 41, 341-346	3.5	7
73	CSF cutoffs for MCI due to AD depend on APOE ϵ 4 carrier status. <i>Neurobiology of Aging</i> , 2020 , 89, 55-62	5.6	7

72	Actigraphic measurement of the upper limbs movements in acute stroke patients. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019 , 16, 153	5.3	7
71	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	3.3	7
70	Antiretroviral therapy effects on sources of cortical rhythms in HIV subjects: responders vs. mild responders. <i>Clinical Neurophysiology</i> , 2015 , 126, 68-81	4.3	6
69	Cortical sources of visual evoked potentials during consciousness of executive processes. <i>Human Brain Mapping</i> , 2009 , 30, 998-1013	5.9	6
68	Overview of the implant of intraneural multielectrodes in human for controlling a 5-fingered hand prosthesis, delivering sensorial feedback and producing rehabilitative neuroplasticity 2012 ,		6
67	Development of a neurotechnological system for relieving phantom limb pain using transverse intrafascicular electrodes (TIME). <i>Biomedizinische Technik</i> , 2012 , 57, 457-65	1.3	6
66	N30 in PD. <i>Neurology</i> , 1996 , 47, 303-4; author reply 304-6	6.5	6
65	Areas of intervention for genetic counselling of dementia: cross-cultural comparison between Italians and Americans. <i>Patient Education and Counseling</i> , 2006 , 64, 285-93	3.1	6
64	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		6
63	Shall I Move My Right or My Left Hand?. <i>Journal of Psychophysiology</i> , 2003 , 17, 69-86	1	6
62	Computational approaches to decode grasping force and velocity level in upper-limb amputee from intraneural peripheral signals. <i>Journal of Neural Engineering</i> , 2021 , 18,	5	6
61	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	4.3	5
60	Prolonged phone-call posture causes changes of ulnar motor nerve conduction across elbow. <i>Clinical Neurophysiology</i> , 2016 , 127, 2728-2732	4.3	5
59	Symptomatic intracranial atherosclerotic disease: an ultrasound 2-year follow-up pilot study. <i>Neurological Sciences</i> , 2018 , 39, 1955-1959	3.5	5
58	Acute Phase Neuronal Activity for the Prognosis of Stroke Recovery. <i>Neural Plasticity</i> , 2019 , 2019, 19718375	3.5	5
57	Somatosensory evoked potentials of inferior alveolar nerve. <i>Journal of Oral and Maxillofacial Surgery</i> , 2006 , 64, 594-9	1.8	5
56	Entropy modulation of electroencephalographic signals in physiological aging. <i>Mechanisms of Ageing and Development</i> , 2021 , 196, 111472	5.6	5
55	Adaptability and reproducibility of a memory disruption rTMS protocol in the PharmaCog IMI European project. <i>Scientific Reports</i> , 2018 , 8, 9371	4.9	5

54	Tau missing from CSF: a case report. <i>Journal of Neurology</i> , 2007 , 254, 107-9	5.5	4
53	Neurophysiological markers of plastic brain reorganization following central and peripheral lesions. <i>Archives Italiennes De Biologie</i> , 2014 , 152, 216-38	1.1	4
52	Severe dyspnoea with alteration of the diffusion capacity of the lung associated with fingolimod treatment. <i>Multiple Sclerosis and Related Disorders</i> , 2016 , 9, 11-3	4	4
51	Pre-seizure architecture of the local connections of the epileptic focus examined via graph-theory. <i>Clinical Neurophysiology</i> , 2016 , 127, 3252-8	4.3	4
50	Bilateral Theta Transcranial Alternating Current Stimulation (tACS) Modulates EEG Activity: When tACS Works Awake It Also Works Asleep. <i>Nature and Science of Sleep</i> , 2019 , 11, 343-356	3.6	4
49	Assessing the dependence of the number of EEG channels in the brain networks' modulations. <i>Brain Research Bulletin</i> , 2021 , 167, 33-36	3.9	4
48	Defining a functional network homeostasis after stroke: EEG-based approach is complementary to functional MRI. <i>Brain</i> , 2017 , 140, e71	11.2	3
47	Tracking post-stroke recovery with magnetoencephalography. <i>Annals of Neurology</i> , 2001 , 49, 136	9.4	3
46	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	5.3	3
45	Entropy as Measure of Brain Networks Complexity in Eyes Open and Closed Conditions. <i>Symmetry</i> , 2021 , 13, 2178	2.7	3
44	A psychometric platform to collect somatosensory sensations for neuroprosthetic use		3
43	Human brain networks in physiological and pathological aging: reproducibility of EEG graph theoretical analysis in cortical connectivity. <i>Brain Connectivity</i> , 2021 ,	2.7	3
42	Neurophysiological effect of transorbital electrical stimulation: Early results in advanced optic atrophy. <i>Brain Stimulation</i> , 2019 , 12, 800-802	5.1	3
41	The brain network organization during sleep onset after deprivation. <i>Clinical Neurophysiology</i> , 2021 , 132, 36-44	4.3	3
40	Contribution of Graph Theory Applied to EEG Data Analysis for Alzheimer's Disease Versus Vascular Dementia Diagnosis. <i>Journal of Alzheimer's Disease</i> , 2021 , 82, 871-879	4.3	3
39	Non-invasive electrical brain stimulation for vision restoration after stroke: An exploratory randomized trial (REVIS). <i>Restorative Neurology and Neuroscience</i> , 2021 , 39, 221-235	2.8	3
38	Rinsing after spinning: plasmapheresis in EBV-related post-infectious cerebellitis. <i>Journal of Neurology</i> , 2017 , 264, 576-577	5.5	2
37	Distinct lymphocytes subsets in IgM-related neuropathy: clinical-immunological correlations. <i>Neurological Sciences</i> , 2015 , 36, 303-8	3.5	2

36	Impaired pain processing in patients with silent myocardial ischemia. <i>International Journal of Cardiology</i> , 2015 , 186, 204-6	3.2	2
35	Brain reactions to the use of sensorized hand prosthesis in amputees. <i>Brain and Behavior</i> , 2020 , 10, e01734	3.4	2
34	The challenge of basilar artery occlusion wake-up stroke: too late for intravenous thrombolysis?. <i>Neurological Sciences</i> , 2016 , 37, 1137-40	3.5	2
33	Moving to fingolimod from natalizumab in multiple sclerosis: the ENIGM is not solved. <i>JAMA Neurology</i> , 2014 , 71, 924-5	17.2	2
32	Toward Noninvasive Brain Stimulation 2.0 in Alzheimer's Disease.. <i>Ageing Research Reviews</i> , 2021 , 75, 101555	12	2
31	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	6.2	2
30	Graph Theory on Brain Cortical Sources in Parkinson's Disease: The Analysis of 'Small World' Organization from EEG. <i>Sensors</i> , 2021 , 21,	3.8	2
29	A Psychometric Platform to Collect Somatosensory Sensations for Neuroprosthetic Use.. <i>Frontiers in Medical Technology</i> , 2021 , 3, 619280	1.9	2
28	tDCS effects on brain network properties during physiological aging. <i>Pflugers Archiv European Journal of Physiology</i> , 2021 , 473, 785-792	4.6	2
27	Brain sources' activity in resting state before a visuo-motor task. <i>Journal of Neural Engineering</i> , 2021 , 18,	5	2
26	Source-level EEG and graph theory reveal widespread functional network alterations in focal epilepsy. <i>Clinical Neurophysiology</i> , 2021 , 132, 1663-1676	4.3	2
25	Neuronavigated Magnetic Stimulation combined with cognitive training for Alzheimer's patients: an EEG graph study.. <i>GeroScience</i> , 2021 , 44, 159	8.9	2
24	Transfer to inpatient rehabilitation facilities after neurological admission. <i>Neurological Sciences</i> , 2017 , 38, 687-688	3.5	1
23	Acyclovir-related kidney injury during alemtuzumab infusion. <i>Journal of Neurology</i> , 2015 , 262, 1772-4	5.5	1
22	Idiopathic inflammatory myopathies evaluated by near-infrared spectroscopy. <i>Muscle and Nerve</i> , 2015 , 51, 830-7	3.4	1
21	Prevalence and clinical characteristics of postictal psychiatric symptoms in partial epilepsy. <i>Neurology</i> , 2004 , 63, 1542-3; author reply 1542-3	6.5	1
20	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> , 2021 , 133, 145-151	4.3	1
19	Stability of Thin-Film Metallization in Flexible Stimulation Electrodes: Analysis and Improvement of in vivo Performance		1

18	Source-level EEG and graph theory reveal widespread functional network alterations in focal epilepsy		1
17	A closed-loop hand prosthesis with simultaneous intraneural tactile and position feedback		1
16	The role of primary visual cortex after transorbital alternating current stimulation in low vision patients. <i>Clinical Neurophysiology</i> , 2020 , 131, 2327-2328	4.3	1
15	Abnormal Circadian Modification of A-Fiber Pathway Excitability in Idiopathic Restless Legs Syndrome. <i>Pain Research and Management</i> , 2019 , 2019, 5408732	2.6	1
14	Performance prediction in a visuo-motor task: the contribution of EEG analysis.. <i>Cognitive Neurodynamics</i> , 2022 , 16, 297-308	4.2	1
13	Demographic Changes and the Challenge for a Healthy Ageing. <i>Studies in Health Technology and Informatics</i> , 2014 , 203, 23-31	0.5	1
12	Transcranial Direct Current Stimulation Enhances Neuroplasticity and Accelerates Motor Recovery in a Stroke Mouse Model.. <i>Stroke</i> , 2022 , STROKEAHA121034200	6.7	1
11	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	4.8	0
10	BDNF Val66Met gene polymorphism modulates brain activity following rTMS-induced memory impairment.. <i>Scientific Reports</i> , 2022 , 12, 176	4.9	0
9	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	5.1	0
8	Brain network modulation in transradial amputee with finger perception restored through biomimetic intraneural stimulation. <i>Neurological Sciences</i> , 2021 , 42, 5369-5372	3.5	0
7	Analysis of complexity in the EEG activity of Parkinson's disease patients by means of approximate entropy.. <i>GeroScience</i> , 2022 , 1	8.9	0
6	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 , 2250022	6.2	0
5	Toward the Development of a Neuro-Controlled Bidirectional Hand Prosthesis. <i>Lecture Notes in Computer Science</i> , 2015 , 105-110	0.9	
4	On the Use of Intraneural Transversal Electrodes to Develop Bidirectional Bionic Limbs. <i>Biosystems and Biorobotics</i> , 2017 , 737-741	0.2	
3	Informational Digest Bulletin From San Raffaele Foundation and Tosinvest Sanit[[No. 26). Research on Cortical Sources of EEG Rhythms in Dyslexic Children. <i>Journal of Policy and Practice in Intellectual Disabilities</i> , 2011 , 8, 220-221	1.8	
2	Interfacing insect brain for space applications. <i>International Review of Neurobiology</i> , 2009 , 86, 39-47	4.4	
1	General principles of brain electromagnetic rhythmic oscillations and implications for neuroplasticity.. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2022 , 184, 221-237 ³		

