

Paolo M Rossini

List of Publications by Year in descending order

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476
papers

37,270
citations

4146

87
h-index

5255

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.	1.5	4,364
2	Evidence-based guidelines on the therapeutic use of repetitive transcranial magnetic stimulation (rTMS). <i>Clinical Neurophysiology</i> , 2014, 125, 2150-2206.	1.5	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.	1.4	1,074
4	Restoring Natural Sensory Feedback in Real-Time Bidirectional Hand Prostheses. <i>Science Translational Medicine</i> , 2014, 6, 222ra19.	12.4	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.	1.5	553
6	Screening questionnaire before TMS: An update. <i>Clinical Neurophysiology</i> , 2011, 122, 1686.	1.5	456
7	Transcranial magnetic stimulation: Diagnostic, therapeutic, and research potential. <i>Neurology</i> , 2007, 68, 484-488.	1.1	436
8	Motor cortical disinhibition in the unaffected hemisphere after unilateral cortical stroke. <i>Brain</i> , 2002, 125, 1896-1907.	7.6	435
9	Clinical neurophysiology of aging brain: From normal aging to neurodegeneration. <i>Progress in Neurobiology</i> , 2007, 83, 375-400.	5.7	428
10	Validity of the Italian Version of the Pittsburgh Sleep Quality Index (PSQI). <i>Neurological Sciences</i> , 2013, 34, 511-519.	1.9	406
11	Post-stroke plastic reorganisation in the adult brain. <i>Lancet Neurology</i> , The, 2003, 2, 493-502.	10.2	397
12	Mapping of Motor Cortical Reorganization After Stroke. <i>Stroke</i> , 1997, 28, 110-117.	2.0	372
13	Double nerve intraneural interface implant on a human amputee for robotic hand control. <i>Clinical Neurophysiology</i> , 2010, 121, 777-783.	1.5	367
14	Human Movement-Related Potentials vs Desynchronization of EEG Alpha Rhythm: A High-Resolution EEG Study. <i>NeuroImage</i> , 1999, 10, 658-665.	4.2	313
15	Individual analysis of EEG frequency and band power in mild Alzheimer's disease. <i>Clinical Neurophysiology</i> , 2004, 115, 299-308.	1.5	311
16	Consensus paper: Combining transcranial stimulation with neuroimaging. <i>Brain Stimulation</i> , 2009, 2, 58-80.	1.6	299
17	Dynamics of male sexual arousal: distinct components of brain activation revealed by fMRI. <i>NeuroImage</i> , 2005, 26, 1086-1096.	4.2	287
18	Intraneural stimulation elicits discrimination of textural features by artificial fingertip in intact and amputee humans. <i>ELife</i> , 2016, 5, e09148.	6.0	286

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19	Outcome of Carotid Artery Occlusion Is Predicted by Cerebrovascular Reactivity. <i>Stroke</i> , 1999, 30, 593-598.	2.0	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.	8.1	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.	1.5	260
22	Prefrontal cortex in long-term memory: an "interference" approach using magnetic stimulation. <i>Nature Neuroscience</i> , 2001, 4, 948-952.	14.8	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.	1.5	259
24	Naming facilitation induced by transcranial direct current stimulation. <i>Behavioural Brain Research</i> , 2010, 208, 311-318.	2.2	256
25	Mapping distributed sources of cortical rhythms in mild Alzheimer's disease. A multicentric EEG study. <i>NeuroImage</i> , 2004, 22, 57-67.	4.2	253
26	Sources of cortical rhythms in adults during physiological aging: A multicentric EEG study. <i>Human Brain Mapping</i> , 2006, 27, 162-172.	3.6	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.	2.0	229
28	The electroencephalographic fingerprint of sleep is genetically determined: A twin study. <i>Annals of Neurology</i> , 2008, 64, 455-460.	5.3	228
29	Human brain connectivity during single and paired pulse transcranial magnetic stimulation. <i>NeuroImage</i> , 2011, 54, 90-102.	4.2	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.	4.2	198
31	A closed-loop hand prosthesis with simultaneous intraneural tactile and position feedback. <i>Science Robotics</i> , 2019, 4, .	17.6	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.	2.2	191
33	Interhemispheric Asymmetries of Motor Cortex Excitability in the Postacute Stroke Stage. <i>Stroke</i> , 2003, 34, 2653-2658.	2.0	190
34	Effect of Transcranial Magnetic Stimulation on Action Naming in Patients With Alzheimer Disease. <i>Archives of Neurology</i> , 2006, 63, 1602.	4.5	189
35	Motor cortex excitability in Alzheimer's disease: A transcranial magnetic stimulation study. <i>Annals of Neurology</i> , 2003, 53, 102-108.	5.3	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.	3.6	171
38	TMS in cognitive plasticity and the potential for rehabilitation. <i>Trends in Cognitive Sciences</i> , 2004, 8, 273-279.	7.8	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.	3.0	159
40	Stratified medicine for mental disorders. <i>European Neuropsychopharmacology</i> , 2014, 24, 5-50.	0.7	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.	1.5	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.	5.1	150
43	Carpal tunnel syndrome modifies sensory hand cortical somatotopy: A MEG study. <i>Human Brain Mapping</i> , 2002, 17, 28-36.	3.6	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.	4.2	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.	2.9	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.	3.6	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.	2.6	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.	2.9	140
49	Six-Month Assessment of a Hand Prosthesis with Intra-neural Tactile Feedback. <i>Annals of Neurology</i> , 2019, 85, 137-154.	5.3	140
50	Connectome: Graph theory application in functional brain network architecture. <i>Clinical Neurophysiology Practice</i> , 2017, 2, 206-213.	1.4	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.	2.6	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.	4.1	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.	3.1	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.	2.3	130
56	Neurophysiological follow-up of motor cortical output in stroke patients. <i>Clinical Neurophysiology</i> , 2000, 111, 1695-1703.	1.5	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.	4.8	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.	5.7	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.	1.5	119
60	Contribution of transcranial magnetic stimulation to assessment of brain connectivity and networks. <i>Clinical Neurophysiology</i> , 2017, 128, 2125-2139.	1.5	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.	2.2	117
62	Is there a "neural efficiency" in athletes? A high-resolution EEG study. <i>NeuroImage</i> , 2008, 42, 1544-1553.	4.2	116
63	Sub-second "temporal attention" modulates alpha rhythms. A high-resolution EEG study. <i>Cognitive Brain Research</i> , 2004, 19, 259-268.	3.0	114
64	Neurophysiological correlates of sleepiness: A combined TMS and EEG study. <i>NeuroImage</i> , 2007, 36, 1277-1287.	4.2	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.	1.5	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.	1.5	113
67	Mobile phone emissions and human brain excitability. <i>Annals of Neurology</i> , 2006, 60, 188-196.	5.3	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.	2.6	109
69	Judgment of actions in experts: A high-resolution EEG study in elite athletes. <i>NeuroImage</i> , 2009, 45, 512-521.	4.2	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.	1.5	106
71	Modulation of cortical oscillatory activity during transcranial magnetic stimulation. <i>Human Brain Mapping</i> , 2008, 29, 603-612.	3.6	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.	4.9	106

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73	Anodal Transcranial Direct Current Stimulation Enhances Procedural Consolidation. <i>Journal of Neurophysiology</i> , 2010, 104, 1134-1140.	1.8	106
74	Brains "in concert": Frontal oscillatory alpha rhythms and empathy in professional musicians. <i>NeuroImage</i> , 2012, 60, 105-116.	4.2	105
75	Anticipatory Electroencephalography Alpha Rhythm Predicts Subjective Perception of Pain Intensity. <i>Journal of Pain</i> , 2006, 7, 709-717.	1.4	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.	2.6	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.	1.9	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.	4.2	100
79	Modulation of corticospinal excitability by paired associative stimulation: Reproducibility of effects and intraindividual reliability. <i>Clinical Neurophysiology</i> , 2006, 117, 2667-2674.	1.5	99
80	Contribution of major amyotrophic lateral sclerosis genes to the etiology of sporadic disease. <i>Neurology</i> , 2012, 79, 66-72.	1.1	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.	4.2	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.	2.6	98
83	Transcranial Doppler and Near-Infrared Spectroscopy Can Evaluate the Hemodynamic Effect of Carotid Artery Occlusion. <i>Stroke</i> , 2004, 35, 64-70.	2.0	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.	4.2	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.	3.1	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.	1.2	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.	2.9	95
88	Electroencephalographic Fractal Dimension in Healthy Ageing and Alzheimer's Disease. <i>PLoS ONE</i> , 2016, 11, e0149587.	2.5	94
89	Changes in fronto-posterior functional coupling at sleep onset in humans. <i>Journal of Sleep Research</i> , 2004, 13, 209-217.	3.2	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.	3.1	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.	1.8	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.	5.3	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.	1.5	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.	2.6	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.	1.5	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.	2.6	90
97	Auditory sensory processing in autism: a magnetoencephalographic study. <i>Biological Psychiatry</i> , 2003, 54, 647-654.	1.3	89
98	Decoding of grasping information from neural signals recorded using peripheral intrafascicular interfaces. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2011, 8, 53.	4.6	89
99	Imagery-induced Cortical Excitability Changes in Stroke: A Transcranial Magnetic Stimulation Study. <i>Cerebral Cortex</i> , 2006, 16, 247-253.	2.9	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.	1.5	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.	4.2	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.	2.1	85
103	Sleep and β -Amyloid Deposition in Alzheimer Disease: Insights on Mechanisms and Possible Innovative Treatments. <i>Frontiers in Pharmacology</i> , 2019, 10, 695.	3.5	85
104	Brain plasticity in recovery from stroke: An MEG assessment. <i>NeuroImage</i> , 2006, 32, 1326-1334.	4.2	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.	21.3	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.	3.6	84
107	Functional topography of the secondary somatosensory cortex for nonpainful and painful stimuli: an fMRI study. <i>NeuroImage</i> , 2003, 20, 1625-1638.	4.2	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.	1.8	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.	2.6	80
110	Brain-Behavior Relations: Transcranial Magnetic Stimulation: A Review. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2010, 29, 84-96.	0.8	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.	1.8	80
112	The Fall of Sleep K-Complex in Alzheimer Disease. <i>Scientific Reports</i> , 2017, 7, 39688.	3.3	80
113	Ceruloplasmin/Transferrin System Is Related to Clinical Status in Acute Stroke. <i>Stroke</i> , 2009, 40, 1282-1288.	2.0	79
114	Functional frontoparietal connectivity during encoding and retrieval processes follows HERA model. <i>Brain Research Bulletin</i> , 2006, 68, 203-212.	3.0	78
115	Small-World Characteristics of Cortical Connectivity Changes in Acute Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2017, 31, 81-94.	2.9	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.	1.5	77
117	Focal brain stimulation in healthy humans: motor maps changes following partial hand sensory deprivation. <i>Neuroscience Letters</i> , 1996, 214, 191-195.	2.1	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.	4.2	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.	3.6	76
120	Hemispherical Asymmetry in Human SMA During Voluntary Simple Unilateral Movements. An fMRI Study. <i>Cortex</i> , 2003, 39, 293-305.	2.4	75
121	Transcranial magnetic stimulation in cognitive rehabilitation. <i>Neuropsychological Rehabilitation</i> , 2011, 21, 579-601.	1.6	75
122	Corticospinal excitability modulation during mental simulation of wrist movements in human subjects. <i>Neuroscience Letters</i> , 1998, 243, 147-151.	2.1	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.	3.6	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.	3.6	74
125	The differential involvement of inferior parietal lobule in number comparison: a rTMS study. <i>Neuropsychologia</i> , 2004, 42, 1902-1909.	1.6	73
126	The role of prefrontal cortex in visuo-spatial planning: a repetitive TMS study. <i>Experimental Brain Research</i> , 2006, 171, 411-415.	1.5	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.	1.5	72
128	Mobile phone emission modulates interhemispheric functional coupling of EEG alpha rhythms. <i>European Journal of Neuroscience</i> , 2007, 25, 1908-1913.	2.6	72
129	Brain activity preceding a 2D manual catching task. <i>NeuroImage</i> , 2009, 47, 1735-1746.	4.2	72
130	Free Copper Distinguishes Mild Cognitive Impairment Subjects from Healthy Elderly Individuals. <i>Journal of Alzheimer's Disease</i> , 2011, 23, 239-248.	2.6	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.	2.6	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.	3.6	72
133	Searching for signs of aging and dementia in EEG through network analysis. <i>Behavioural Brain Research</i> , 2017, 317, 292-300.	2.2	72
134	Visuo-spatial Consciousness and Parieto-occipital Areas: A High-resolution EEG Study. <i>Cerebral Cortex</i> , 2006, 16, 37-46.	2.9	71
135	Lateralization of Dichotic Speech Stimuli is Based on Specific Auditory Pathway Interactions: Neuromagnetic Evidence. <i>Cerebral Cortex</i> , 2007, 17, 2303-2311.	2.9	70
136	Defining brain-machine interface applications by matching interface performance with device requirements. <i>Journal of Neuroscience Methods</i> , 2008, 167, 91-104.	2.5	70
137	Simultaneous recording of electroencephalographic data in musicians playing in ensemble. <i>Cortex</i> , 2011, 47, 1082-1090.	2.4	70
138	Modulation of Corticospinal Output to Human Hand Muscles Following Deprivation of Sensory Feedback. <i>NeuroImage</i> , 1998, 8, 163-175.	4.2	69
139	Interhemispheric Differences of Sensory Hand Areas after Monohemispheric Stroke: MEG/MRI Integrative Study. <i>NeuroImage</i> , 2001, 14, 474-485.	4.2	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.	4.2	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.	3.0	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.	1.6	69
143	Cortical sources of resting-state alpha rhythms are abnormal in persistent vegetative state patients. <i>Clinical Neurophysiology</i> , 2009, 120, 719-729.	1.5	69
144	Comparison between SI and SII responses as a function of stimulus intensity. <i>NeuroReport</i> , 2002, 13, 813-819.	1.2	68

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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.	2.6	68
146	Human brain connectivity: Clinical applications for clinical neurophysiology. <i>Clinical Neurophysiology</i> , 2020, 131, 1621-1651.	1.5	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.	1.5	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.	1.0	67
149	Functional Isolation Within the Cerebral Cortex in the Vegetative State. <i>Neurorehabilitation and Neural Repair</i> , 2011, 25, 35-42.	2.9	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.	4.2	66
151	Features of ceruloplasmin in the cerebrospinal fluid of Alzheimer's disease patients. <i>BioMetals</i> , 2008, 21, 367-372.	4.1	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.	2.6	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.	3.5	66
154	Prognostic Value of EEG Microstates in Acute Stroke. <i>Brain Topography</i> , 2017, 30, 698-710.	1.8	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.	5.3	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.	4.2	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.	3.6	64
158	Gate 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.	2.2	63
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