

Tony W Wilson

List of Publications by Citations

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

200
papers

3,482
citations

34
h-index

47
g-index

221
ext. papers

4,580
ext. citations

5.2
avg, IF

6.08
L-index

#	Paper	IF	Citations
200	Children and adolescents with autism exhibit reduced MEG steady-state gamma responses. <i>Biological Psychiatry</i> , 2007 , 62, 192-7	7.9	246
199	Neuromagnetic evidence of abnormal movement-related beta desynchronization in Parkinson's disease. <i>Cerebral Cortex</i> , 2014 , 24, 2669-78	5.1	88
198	Is an absolute level of cortical beta suppression required for proper movement? Magnetoencephalographic evidence from healthy aging. <i>NeuroImage</i> , 2016 , 134, 514-521	7.9	88
197	An extended motor network generates beta and gamma oscillatory perturbations during development. <i>Brain and Cognition</i> , 2010 , 73, 75-84	2.7	80
196	Cortical gamma generators suggest abnormal auditory circuitry in early-onset psychosis. <i>Cerebral Cortex</i> , 2008 , 18, 371-8	5.1	76
195	Evaluation of the safety and immunomodulatory effects of sargramostim in a randomized, double-blind phase 1 clinical Parkinson's disease trial. <i>Npj Parkinson's Disease</i> , 2017 , 3, 10	9.7	70
194	Spatiotemporal oscillatory dynamics of visual selective attention during a flanker task. <i>NeuroImage</i> , 2017 , 156, 277-285	7.9	61
193	Spatiotemporal oscillatory dynamics during the encoding and maintenance phases of a visual working memory task. <i>Cortex</i> , 2015 , 69, 121-30	3.8	57
192	Resting state connectivity differences in eyes open versus eyes closed conditions. <i>Human Brain Mapping</i> , 2019 , 40, 2488-2498	5.9	56
191	Neurophysiological abnormalities in the sensorimotor cortices during the motor planning and movement execution stages of children with cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2014 , 56, 1072-7	3.3	53
190	Multimodal neuroimaging evidence of alterations in cortical structure and function in HIV-infected older adults. <i>Human Brain Mapping</i> , 2015 , 36, 897-910	5.9	52
189	Aberrant occipital dynamics differentiate HIV-infected patients with and without cognitive impairment. <i>Brain</i> , 2018 , 141, 1678-1690	11.2	50
188	Abnormal gamma and beta MEG activity during finger movements in early-onset psychosis. <i>Developmental Neuropsychology</i> , 2011 , 36, 596-613	1.8	48
187	Circadian modulation of motor-related beta oscillatory responses. <i>NeuroImage</i> , 2014 , 102 Pt 2, 531-9	7.9	47
186	Functional brain abnormalities during finger-tapping in HIV-infected older adults: a magnetoencephalography study. <i>Journal of Neuroimmune Pharmacology</i> , 2013 , 8, 965-74	6.9	47
185	Ageing modulates the oscillatory dynamics underlying successful working memory encoding and maintenance. <i>Human Brain Mapping</i> , 2016 , 37, 2348-61	5.9	47
184	Changing brain connectivity dynamics: From early childhood to adulthood. <i>Human Brain Mapping</i> , 2018 , 39, 1108-1117	5.9	47

183	Neuroimaging with magnetoencephalography: A dynamic view of brain pathophysiology. <i>Translational Research</i> , 2016 , 175, 17-36	11	43
182	Coding complexity in the human motor circuit. <i>Human Brain Mapping</i> , 2015 , 36, 5155-67	5.9	43
181	Broadband neurophysiological abnormalities in the medial prefrontal region of the default-mode network in adults with ADHD. <i>Human Brain Mapping</i> , 2013 , 34, 566-74	5.9	43
180	The lifespan trajectory of neural oscillatory activity in the motor system. <i>Developmental Cognitive Neuroscience</i> , 2018 , 30, 159-168	5.5	42
179	Hypersynchrony despite pathologically reduced beta oscillations in patients with Parkinson's disease: a pharmaco-magnetoencephalography study. <i>Journal of Neurophysiology</i> , 2014 , 112, 1739-47	3.2	41
178	Rhythmic Spontaneous Activity Mediates the Age-Related Decline in Somatosensory Function. <i>Cerebral Cortex</i> , 2019 , 29, 680-688	5.1	41
177	The functional role of post-movement beta oscillations in motor termination. <i>Brain Structure and Function</i> , 2017 , 222, 3075-3086	4	39
176	Functional specialization within the supplementary motor area: a fNIRS study of bimanual coordination. <i>NeuroImage</i> , 2014 , 85 Pt 1, 445-50	7.9	39
175	Neuromagnetic activity in the somatosensory cortices of children with cerebral palsy. <i>Neuroscience Letters</i> , 2011 , 490, 1-5	3.3	39
174	Oscillatory dynamics in the dorsal and ventral attention networks during the reorienting of attention. <i>Human Brain Mapping</i> , 2018 , 39, 2177-2190	5.9	36
173	tDCS Modulates Visual Gamma Oscillations and Basal Alpha Activity in Occipital Cortices: Evidence from MEG. <i>Cerebral Cortex</i> , 2018 , 28, 1597-1609	5.1	36
172	Aberrant synchrony in the somatosensory cortices predicts motor performance errors in children with cerebral palsy. <i>Journal of Neurophysiology</i> , 2014 , 111, 573-9	3.2	36
171	Cue-related Temporal Factors Modulate Movement-related Beta Oscillatory Activity in the Human Motor Circuit. <i>Journal of Cognitive Neuroscience</i> , 2016 , 28, 1039-51	3.1	35
170	Aberrant oscillatory dynamics during somatosensory processing in HIV-infected adults. <i>NeuroImage: Clinical</i> , 2018 , 20, 85-91	5.3	35
169	Atypical coupling between posterior regions of the default mode network in attention-deficit/hyperactivity disorder: a pharmaco-magnetoencephalography study. <i>Journal of Psychiatry and Neuroscience</i> , 2013 , 38, 333-40	4.5	35
168	The magnitude of the somatosensory cortical activity is related to the mobility and strength impairments seen in children with cerebral palsy. <i>Journal of Neurophysiology</i> , 2015 , 113, 3143-50	3.2	34
167	Oscillatory dynamics and functional connectivity during gating of primary somatosensory responses. <i>Journal of Physiology</i> , 2017 , 595, 1365-1375	3.9	34
166	The cortical signature of symptom laterality in Parkinson's disease. <i>NeuroImage: Clinical</i> , 2017 , 14, 433-440	3.5	33

165	Attention modulates the gating of primary somatosensory oscillations. <i>NeuroImage</i> , 2020 , 211, 116610	7.9	33
164	Oscillations during observations: Dynamic oscillatory networks serving visuospatial attention. <i>Human Brain Mapping</i> , 2017 , 38, 5128-5140	5.9	33
163	Neural dynamics of selective attention deficits in HIV-associated neurocognitive disorder. <i>Neurology</i> , 2018 , 91, e1860-e1869	6.5	33
162	Aberrant Neuronal Dynamics during Working Memory Operations in the Aging HIV-Infected Brain. <i>Scientific Reports</i> , 2017 , 7, 41568	4.9	31
161	Oscillatory MEG motor activity reflects therapy-related plasticity in stroke patients. <i>Neurorehabilitation and Neural Repair</i> , 2011 , 25, 188-93	4.7	31
160	Quiet connections: Reduced fronto-temporal connectivity in nondemented Parkinson's Disease during working memory encoding. <i>Human Brain Mapping</i> , 2016 , 37, 3224-35	5.9	31
159	The developmental trajectory of sensorimotor cortical oscillations. <i>NeuroImage</i> , 2019 , 184, 455-461	7.9	31
158	tDCS modulates behavioral performance and the neural oscillatory dynamics serving visual selective attention. <i>Human Brain Mapping</i> , 2019 , 40, 729-740	5.9	30
157	Children with Cerebral Palsy Hyper-Gate Somatosensory Stimulations of the Foot. <i>Cerebral Cortex</i> , 2018 , 28, 2431-2438	5.1	28
156	Load modulates the alpha and beta oscillatory dynamics serving verbal working memory. <i>NeuroImage</i> , 2019 , 184, 256-265	7.9	27
155	Decreased MEG beta oscillations in HIV-infected older adults during the resting state. <i>Journal of NeuroVirology</i> , 2013 , 19, 586-94	3.9	26
154	Estimating the passage of minutes: deviant oscillatory frontal activity in medicated and unmedicated ADHD. <i>Neuropsychology</i> , 2013 , 27, 654-65	3.8	26
153	Male veterans with PTSD exhibit aberrant neural dynamics during working memory processing: an MEG study. <i>Journal of Psychiatry and Neuroscience</i> , 2016 , 41, 251-60	4.5	26
152	Estimation of Dynamic Sparse Connectivity Patterns From Resting State fMRI. <i>IEEE Transactions on Medical Imaging</i> , 2018 , 37, 1224-1234	11.7	25
151	Abnormal MEG oscillatory activity during visual processing in the prefrontal cortices and frontal eye-fields of the aging HIV brain. <i>PLoS ONE</i> , 2013 , 8, e66241	3.7	24
150	Aberrant high-frequency desynchronization of cerebellar cortices in early-onset psychosis. <i>Psychiatry Research - Neuroimaging</i> , 2009 , 174, 47-56	2.9	23
149	Capturing Dynamic Connectivity from Resting State fMRI using Time-Varying Graphical Lasso. <i>IEEE Transactions on Biomedical Engineering</i> , 2018 ,	5	23
148	The impact of age and sex on the oscillatory dynamics of visuospatial processing. <i>NeuroImage</i> , 2019 , 185, 513-520	7.9	23

147	Neural dynamics of verbal working memory processing in children and adolescents. <i>NeuroImage</i> , 2019 , 185, 191-197	7.9	23
146	Neuromagnetic activity of the somatosensory cortices associated with body weight-supported treadmill training in children with cerebral palsy. <i>Journal of Neurologic Physical Therapy</i> , 2012 , 36, 166-72 ^{4.1}	4.1	22
145	Veterans with PTSD demonstrate amygdala hyperactivity while viewing threatening faces: A MEG study. <i>Biological Psychology</i> , 2018 , 132, 228-232	3.2	21
144	The peak frequency of motor-related gamma oscillations is modulated by response competition. <i>NeuroImage</i> , 2018 , 165, 27-34	7.9	21
143	Polarity-dependent modulation of multi-spectral neuronal activity by transcranial direct current stimulation. <i>Cortex</i> , 2018 , 108, 222-233	3.8	21
142	Beta Oscillatory Dynamics in the Prefrontal and Superior Temporal Cortices Predict Spatial Working Memory Performance. <i>Scientific Reports</i> , 2018 , 8, 8488	4.9	21
141	Transcranial direct-current stimulation modulates offline visual oscillatory activity: A magnetoencephalography study. <i>Cortex</i> , 2017 , 88, 19-31	3.8	20
140	Decreased somatosensory activity to non-threatening touch in combat veterans with posttraumatic stress disorder. <i>Psychiatry Research - Neuroimaging</i> , 2015 , 233, 194-200	2.9	20
139	Children with cerebral palsy have uncharacteristic somatosensory cortical oscillations after stimulation of the hand mechanoreceptors. <i>Neuroscience</i> , 2015 , 305, 67-75	3.9	20
138	Attention training improves aberrant neural dynamics during working memory processing in veterans with PTSD. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2016 , 16, 1140-1149	3.5	20
137	Prefrontal theta modulates sensorimotor gamma networks during the reorienting of attention. <i>Human Brain Mapping</i> , 2020 , 41, 520-529	5.9	20
136	Children with cerebral palsy have altered oscillatory activity in the motor and visual cortices during a knee motor task. <i>NeuroImage: Clinical</i> , 2017 , 15, 298-305	5.3	19
135	Altered Brain Dynamics in Patients With Type 1 Diabetes During Working Memory Processing. <i>Diabetes</i> , 2018 , 67, 1140-1148	0.9	19
134	Attention training normalises combat-related post-traumatic stress disorder effects on emotional Stroop performance using lexically matched word lists. <i>Cognition and Emotion</i> , 2016 , 30, 1521-1528	2.3	19
133	An fNIRS exploratory investigation of the cortical activity during gait in children with spastic diplegic cerebral palsy. <i>Brain and Development</i> , 2014 , 36, 870-7	2.2	19
132	Gamma-frequency neuronal activity is diminished in adults with attention-deficit/hyperactivity disorder: a pharmac-MEG study. <i>Journal of Psychopharmacology</i> , 2012 , 26, 771-7	4.6	19
131	The time and space of lexicality: a neuromagnetic view. <i>Experimental Brain Research</i> , 2005 , 162, 1-13	2.3	19
130	Frontoparietal Networks Mediate the Behavioral Impact of Alpha Inhibition in Visual Cortex. <i>Cerebral Cortex</i> , 2019 , 29, 3505-3513	5.1	19

129	Developmental Trajectory of Beta Cortical Oscillatory Activity During a Knee Motor Task. <i>Brain Topography</i> , 2016 , 29, 824-833	4.3	18
128	Resting-State Neurophysiological Abnormalities in Posttraumatic Stress Disorder: A Magnetoencephalography Study. <i>Frontiers in Human Neuroscience</i> , 2017 , 11, 205	3.3	18
127	Estimating Dynamic Functional Brain Connectivity With a Sparse Hidden Markov Model. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 488-498	11.7	18
126	Presence of strong harmonics during visual entrainment: a magnetoencephalography study. <i>Biological Psychology</i> , 2012 , 91, 59-64	3.2	17
125	Altered sensorimotor cortical oscillations in individuals with multiple sclerosis suggests a faulty internal model. <i>Human Brain Mapping</i> , 2017 , 38, 4009-4018	5.9	16
124	Fused Estimation of Sparse Connectivity Patterns From Rest fMRI-Application to Comparison of Children and Adult Brains. <i>IEEE Transactions on Medical Imaging</i> , 2018 , 37, 2165-2175	11.7	16
123	Alternating Diffusion Map Based Fusion of Multimodal Brain Connectivity Networks for IQ Prediction. <i>IEEE Transactions on Biomedical Engineering</i> , 2019 , 66, 2140-2151	5	16
122	Load effects on spatial working memory performance are linked to distributed alpha and beta oscillations. <i>Human Brain Mapping</i> , 2019 , 40, 3682-3689	5.9	15
121	Reading in a deep orthography: neuromagnetic evidence for dual-mechanisms. <i>Experimental Brain Research</i> , 2007 , 180, 247-62	2.3	15
120	The Developmental Chronnecto-Genomics (Dev-CoG) study: A multimodal study on the developing brain. <i>NeuroImage</i> , 2021 , 225, 117438	7.9	15
119	Beta and gamma oscillations index cognitive interference effects across a distributed motor network. <i>NeuroImage</i> , 2020 , 213, 116747	7.9	14
118	Pharmac-MEG evidence for attention related hyper-connectivity between auditory and prefrontal cortices in ADHD. <i>Psychiatry Research - Neuroimaging</i> , 2014 , 221, 240-5	2.9	14
117	Aberrant functional organization and maturation in early-onset psychosis: evidence from magnetoencephalography. <i>Psychiatry Research - Neuroimaging</i> , 2007 , 156, 59-67	2.9	14
116	A Manifold Regularized Multi-Task Learning Model for IQ Prediction From Two fMRI Paradigms. <i>IEEE Transactions on Biomedical Engineering</i> , 2020 , 67, 796-806	5	14
115	Neurophysiological changes in the visuomotor network after practicing a motor task. <i>Journal of Neurophysiology</i> , 2018 , 120, 239-249	3.2	13
114	Accuracy analysis of fMRI and MEG activations determined by intraoperative mapping. <i>Neurosurgical Focus</i> , 2020 , 48, E13	4.2	13
113	The strength of alpha and gamma oscillations predicts behavioral switch costs. <i>NeuroImage</i> , 2019 , 188, 274-281	7.9	13
112	Alpha Frequency Entrainment Reduces the Effect of Visual Distractors. <i>Journal of Cognitive Neuroscience</i> , 2019 , 31, 1392-1403	3.1	12

111	Reliability of the NIH toolbox cognitive battery in children and adolescents: a 3-year longitudinal examination. <i>Psychological Medicine</i> , 2020 , 1-10	6.9	12
110	Dynamic Resting-State Connectivity Differences in Eyes Open Versus Eyes Closed Conditions. <i>Brain Connectivity</i> , 2020 , 10, 504-519	2.7	12
109	A reduced somatosensory gating response in individuals with multiple sclerosis is related to walking impairment. <i>Journal of Neurophysiology</i> , 2017 , 118, 2052-2058	3.2	11
108	Amphetamines modulate prefrontal β oscillations during attention processing. <i>NeuroReport</i> , 2012 , 23, 731-5	1.7	11
107	Prefrontal gating of sensory input differentiates cognitively impaired and unimpaired aging adults with HIV. <i>Brain Communications</i> , 2020 , 2, fcaa080	4.5	11
106	Neural oscillatory dynamics serving abstract reasoning reveal robust sex differences in typically-developing children and adolescents. <i>Developmental Cognitive Neuroscience</i> , 2020 , 42, 100770	5.5	10
105	Multi-Hypergraph Learning-Based Brain Functional Connectivity Analysis in fMRI Data. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 1746-1758	11.7	10
104	Age-related visual dynamics in HIV-infected adults with cognitive impairment. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2020 , 7,	9.1	10
103	Children with cerebral palsy display altered neural oscillations within the visual MT/V5 cortices. <i>NeuroImage: Clinical</i> , 2019 , 23, 101876	5.3	9
102	Pubertal Testosterone Tracks the Developmental Trajectory of Neural Oscillatory Activity Serving Visuospatial Processing. <i>Cerebral Cortex</i> , 2020 , 30, 5960-5971	5.1	9
101	Interactive effects of HIV and ageing on neural oscillations: independence from neuropsychological performance. <i>Brain Communications</i> , 2020 , 2, fcaa015	4.5	9
100	Impact of HIV-infection on human somatosensory processing, spontaneous cortical activity, and cortical thickness: A multimodal neuroimaging approach. <i>Human Brain Mapping</i> , 2021 , 42, 2851-2861	5.9	9
99	Brain Development Includes Linear and Multiple Nonlinear Trajectories: A Cross-Sectional Resting-State Functional Magnetic Resonance Imaging Study. <i>Brain Connectivity</i> , 2019 , 9, 777-788	2.7	9
98	Three-Year Reliability of MEG Visual and Somatosensory Responses. <i>Cerebral Cortex</i> , 2021 , 31, 2534-2548	3.1	9
97	Multi-spectral oscillatory dynamics serving directed and divided attention. <i>NeuroImage</i> , 2020 , 217, 1169279	2.7	8
96	Modulation of attention networks serving reorientation in healthy aging. <i>Aging</i> , 2020 , 12, 12582-12597	5.6	8
95	Posterior Alpha and Gamma Oscillations Index Divergent and Superadditive Effects of Cognitive Interference. <i>Cerebral Cortex</i> , 2020 , 30, 1931-1945	5.1	8
94	High-definition transcranial direct current stimulation dissociates fronto-visual theta lateralization during visual selective attention. <i>Journal of Physiology</i> , 2020 , 598, 987-998	3.9	8

93	Development and sex modulate visuospatial oscillatory dynamics in typically-developing children and adolescents. <i>NeuroImage</i> , 2020 , 221, 117192	7.9	8
92	Functional connectome fingerprinting: Identifying individuals and predicting cognitive functions via autoencoder. <i>Human Brain Mapping</i> , 2021 , 42, 2691-2705	5.9	8
91	The Strength of the Movement-related Somatosensory Cortical Oscillations Differ between Adolescents and Adults. <i>Scientific Reports</i> , 2019 , 9, 18520	4.9	8
90	Attention training modulates resting-state neurophysiological abnormalities in posttraumatic stress disorder. <i>Psychiatry Research - Neuroimaging</i> , 2018 , 271, 135-141	2.9	8
89	Haptic exploration attenuates and alters somatosensory cortical oscillations. <i>Journal of Physiology</i> , 2018 , 596, 5051-5061	3.9	7
88	Refined measure of functional connectomes for improved identifiability and prediction. <i>Human Brain Mapping</i> , 2019 , 40, 4843-4858	5.9	7
87	Multielectrode Transcranial Electrical Stimulation of the Left and Right Prefrontal Cortices Differentially Impacts Verbal Working Memory Neural Circuitry. <i>Cerebral Cortex</i> , 2020 , 30, 2389-2400	5.1	7
86	Neural oscillations underlying selective attention follow sexually divergent developmental trajectories during adolescence. <i>Developmental Cognitive Neuroscience</i> , 2021 , 49, 100961	5.5	7
85	The impact of type 1 diabetes on neural activity serving attention. <i>Human Brain Mapping</i> , 2019 , 40, 1093-1100	5.1	7
84	Association of Epigenetic Metrics of Biological Age With Cortical Thickness. <i>JAMA Network Open</i> , 2020 , 3, e2015428	10.4	6
83	Methodological considerations for a better somatosensory gating paradigm: The impact of the inter-stimulus interval. <i>NeuroImage</i> , 2020 , 220, 117048	7.9	6
82	Hand Motor Actions of Children With Cerebral Palsy Are Associated With Abnormal Sensorimotor Cortical Oscillations. <i>Neurorehabilitation and Neural Repair</i> , 2019 , 33, 1018-1028	4.7	6
81	Aberrant brain dynamics in neuroHIV: Evidence from magnetoencephalographic (MEG) imaging. <i>Progress in Molecular Biology and Translational Science</i> , 2019 , 165, 285-320	4	6
80	A GICA-TVGL framework to study sex differences in resting state fMRI dynamic connectivity. <i>Journal of Neuroscience Methods</i> , 2020 , 332, 108531	3	6
79	NMDA receptors containing GluN2C and GluN2D subunits have opposing roles in modulating neuronal oscillations; potential mechanism for bidirectional feedback. <i>Brain Research</i> , 2020 , 1727, 1465-1471	3.7	6
78	Motor beta cortical oscillations are related with the gait kinematics of youth with cerebral palsy. <i>Annals of Clinical and Translational Neurology</i> , 2020 , 7, 2421-2432	5.3	6
77	The age-related trajectory of visual attention neural function is altered in adults living with HIV: A cross-sectional MEG study. <i>EBioMedicine</i> , 2020 , 61, 103065	8.8	6
76	Altered neural dynamics in occipital cortices serving visual-spatial processing in heavy alcohol users. <i>Journal of Psychopharmacology</i> , 2020 , 34, 245-253	4.6	6

75	Epigenetic Markers of Aging Predict the Neural Oscillations Serving Selective Attention. <i>Cerebral Cortex</i> , 2020 , 30, 1234-1243	5.1	6
74	Local cortical thickness predicts somatosensory gamma oscillations and sensory gating: A multimodal approach. <i>NeuroImage</i> , 2020 , 214, 116749	7.9	5
73	Potential role for magnetoencephalography in distinguishing low- and high-grade gliomas: a preliminary study with histopathological confirmation. <i>Neuro-Oncology</i> , 2012 , 14, 624-30	1	5
72	Numerical working memory alters alpha-beta oscillations and connectivity in the parietal cortices. <i>Human Brain Mapping</i> , 2020 , 41, 3709-3719	5.9	5
71	Interpretable Multimodal Fusion Networks Reveal Mechanisms of Brain Cognition. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 1474-1483	11.7	5
70	Altered fronto-occipital connectivity during visual selective attention in regular cannabis users. <i>Psychopharmacology</i> , 2021 , 238, 1351-1361	4.7	5
69	Three-year reliability of MEG resting-state oscillatory power. <i>NeuroImage</i> , 2021 , 243, 118516	7.9	5
68	Spontaneous cortical MEG activity undergoes unique age- and sex-related changes during the transition to adolescence. <i>NeuroImage</i> , 2021 , 244, 118552	7.9	5
67	Beyond the eye: Cortical differences in primary visual processing in children with cerebral palsy. <i>NeuroImage: Clinical</i> , 2020 , 27, 102318	5.3	4
66	Movement-Related Somatosensory Activity Is Altered in Patients with Multiple Sclerosis. <i>Brain Topography</i> , 2018 , 31, 700-707	4.3	4
65	A MEG investigation of somatosensory processing in the rhesus monkey. <i>NeuroImage</i> , 2009 , 46, 998-1003	7.9	4
64	Parietal Oscillatory Dynamics Mediate Developmental Improvement in Motor Performance. <i>Cerebral Cortex</i> , 2020 , 30, 6405-6414	5.1	4
63	Reductions in Gray Matter Linked to Epigenetic HIV-Associated Accelerated Aging. <i>Cerebral Cortex</i> , 2021 , 31, 3752-3763	5.1	4
62	Traumatic Events Are Associated with Diverse Psychological Symptoms in Typically-Developing Children. <i>Journal of Child and Adolescent Trauma</i> , 2020 , 13, 381-388	1.5	4
61	Response certainty during bimanual movements reduces gamma oscillations in primary motor cortex. <i>NeuroImage</i> , 2021 , 224, 117448	7.9	4
60	Using Gradient as a New Metric for Dynamic Connectivity Estimation from Resting fMRI Data 2019 ,		3
59	Altered motor dynamics in type 1 diabetes modulate behavioral performance. <i>NeuroImage: Clinical</i> , 2019 , 24, 101977	5.3	3
58	Practice modulates motor-related beta oscillations differently in adolescents and adults. <i>Journal of Physiology</i> , 2019 , 597, 3203-3216	3.9	3

57	Prefrontal Multielectrode Transcranial Direct Current Stimulation Modulates Performance and Neural Activity Serving Visuospatial Processing. <i>Cerebral Cortex</i> , 2020 , 30, 4847-4857	5.1	3
56	Examining brain maturation during adolescence using graph Laplacian learning based Fourier transform. <i>Journal of Neuroscience Methods</i> , 2020 , 338, 108649	3	3
55	Microstructural changes in the spinal cord of adults with cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2021 , 63, 998-1003	3.3	3
54	Stairway to memory: Left-hemispheric alpha dynamics index the progressive loading of items into a short-term store. <i>NeuroImage</i> , 2021 , 235, 118024	7.9	3
53	Joint Bayesian-Incorporating Estimation of Multiple Gaussian Graphical Models to Study Brain Connectivity Development in Adolescence. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 357-365	11.7	3
52	The somatosensory cortical activity in individuals with cerebral palsy displays an aberrant developmental trajectory. <i>Journal of Physiology</i> , 2021 , 599, 1281-1289	3.9	3
51	Correlation Guided Graph Learning to Estimate Functional Connectivity Patterns From fMRI Data. <i>IEEE Transactions on Biomedical Engineering</i> , 2021 , 68, 1154-1165	5	3
50	Spatio-spectral relationships between pathological neural dynamics and cognitive impairment along the Alzheimer's disease spectrum. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2021 , 13, e12200	5.2	3
49	Children with Cerebral Palsy Have Altered Occipital Cortical Oscillations during a Visuospatial Attention Task. <i>Cerebral Cortex</i> , 2021 , 31, 3353-3362	5.1	3
48	Cannabis use impacts pre-stimulus neural activity in the visual cortices of people with HIV. <i>Human Brain Mapping</i> , 2021 , 42, 5446-5457	5.9	3
47	Hippocampal and parahippocampal volumes vary by sex and traumatic life events in children. <i>Journal of Psychiatry and Neuroscience</i> , 2020 , 45, 288-297	4.5	2
46	Fused estimation of sparse connectivity patterns from rest fMRI 2017 ,		2
45	A hypergraph learning method for brain functional connectivity network construction from fMRI data 2020 ,		2
44	Spatially resolved neural slowing predicts impairment and amyloid burden in Alzheimer's disease.. <i>Brain</i> , 2022 ,	11.2	2
43	Somatosensory dysfunction is masked by variable cognitive deficits across patients on the Alzheimer's disease spectrum. <i>EBioMedicine</i> , 2021 , 73, 103638	8.8	2
42	Movement-Related Gamma Synchrony Differentially Predicts Behavior in the Presence of Visual Interference Across the Lifespan. <i>Cerebral Cortex</i> , 2021 , 31, 5056-5066	5.1	2
41	Differences in Rhythmic Neural Activity Supporting the Temporal and Spatial Cueing of Attention. <i>Cerebral Cortex</i> , 2021 , 31, 4933-4944	5.1	2
40	Increases in Stressors Prior to-Versus During the COVID-19 Pandemic in the United States Are Associated With Depression Among Middle-Aged Mothers. <i>Frontiers in Psychology</i> , 2021 , 12, 706120	3.4	2

39	Gray matter volumes discriminate cognitively impaired and unimpaired people with HIV. <i>NeuroImage: Clinical</i> , 2021 , 31, 102775	5.3	2
38	Sexually dimorphic development in the cortical oscillatory dynamics serving early visual processing. <i>Developmental Cognitive Neuroscience</i> , 2021 , 50, 100968	5.5	2
37	Visuospatial alpha and gamma oscillations scale with the severity of cognitive dysfunction in patients on the Alzheimer's disease spectrum. <i>Alzheimer's Research and Therapy</i> , 2021 , 13, 139	9	2
36	Neuroinflammatory profiles regulated by the redox environment predicted cognitive dysfunction in people living with HIV: A cross-sectional study. <i>EBioMedicine</i> , 2021 , 70, 103487	8.8	2
35	Regular recreational Cannabis users exhibit altered neural oscillatory dynamics during attention reorientation. <i>Psychological Medicine</i> , 2021 , 1-10	6.9	2
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