

Alex I Wiesman

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

1,583
citations

279487

23
h-index

360668

35
g-index

74
all docs

74
docs citations

74
times ranked

1018
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatiotemporal oscillatory dynamics of visual selective attention during a flanker task. <i>NeuroImage</i> , 2017, 156, 277-285.	2.1	92
2	The lifespan trajectory of neural oscillatory activity in the motor system. <i>Developmental Cognitive Neuroscience</i> , 2018, 30, 159-168.	1.9	74
3	Aberrant occipital dynamics differentiate HIV-infected patients with and without cognitive impairment. <i>Brain</i> , 2018, 141, 1678-1690.	3.7	69
4	Attention modulates the gating of primary somatosensory oscillations. <i>NeuroImage</i> , 2020, 211, 116610.	2.1	67
5	Oscillatory dynamics in the dorsal and ventral attention networks during the reorienting of attention. <i>Human Brain Mapping</i> , 2018, 39, 2177-2190.	1.9	60
6	Rhythmic Spontaneous Activity Mediates the Age-Related Decline in Somatosensory Function. <i>Cerebral Cortex</i> , 2019, 29, 680-688.	1.6	54
7	The developmental trajectory of sensorimotor cortical oscillations. <i>NeuroImage</i> , 2019, 184, 455-461.	2.1	50
8	Neural dynamics of selective attention deficits in HIV-associated neurocognitive disorder. <i>Neurology</i> , 2018, 91, e1860-e1869.	1.5	48
9	Oscillations during observations: Dynamic oscillatory networks serving visuospatial attention. <i>Human Brain Mapping</i> , 2017, 38, 5128-5140.	1.9	44
10	Aberrant oscillatory dynamics during somatosensory processing in HIV-infected adults. <i>NeuroImage: Clinical</i> , 2018, 20, 85-91.	1.4	43
11	Beta Oscillatory Dynamics in the Prefrontal and Superior Temporal Cortices Predict Spatial Working Memory Performance. <i>Scientific Reports</i> , 2018, 8, 8488.	1.6	42
12	Quiet connections: Reduced fronto-temporal connectivity in nondemented Parkinson's Disease during working memory encoding. <i>Human Brain Mapping</i> , 2016, 37, 3224-3235.	1.9	41
13	Oscillatory dynamics and functional connectivity during gating of primary somatosensory responses. <i>Journal of Physiology</i> , 2017, 595, 1365-1375.	1.3	39
14	Children with Cerebral Palsy Hyper-Gate Somatosensory Stimulations of the Foot. <i>Cerebral Cortex</i> , 2018, 28, 1-8.	1.6	38
15	tDCS modulates behavioral performance and the neural oscillatory dynamics serving visual selective attention. <i>Human Brain Mapping</i> , 2019, 40, 729-740.	1.9	37
16	The impact of age and sex on the oscillatory dynamics of visuospatial processing. <i>NeuroImage</i> , 2019, 185, 513-520.	2.1	37
17	Neural dynamics of verbal working memory processing in children and adolescents. <i>NeuroImage</i> , 2019, 185, 191-197.	2.1	37
18	Beta and gamma oscillations index cognitive interference effects across a distributed motor network. <i>NeuroImage</i> , 2020, 213, 116747.	2.1	35

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19	Prefrontal theta modulates sensorimotor gamma networks during the reorienting of attention. <i>Human Brain Mapping</i> , 2020, 41, 520-529.	1.9	34
20	Reliability of the NIH toolbox cognitive battery in children and adolescents: a 3-year longitudinal examination. <i>Psychological Medicine</i> , 2022, 52, 1718-1727.	2.7	32
21	Load effects on spatial working memory performance are linked to distributed alpha and beta oscillations. <i>Human Brain Mapping</i> , 2019, 40, 3682-3689.	1.9	28
22	Altered Brain Dynamics in Patients With Type 1 Diabetes During Working Memory Processing. <i>Diabetes</i> , 2018, 67, 1140-1148.	0.3	27
23	Frontoparietal Networks Mediate the Behavioral Impact of Alpha Inhibition in Visual Cortex. <i>Cerebral Cortex</i> , 2019, 29, 3505-3513.	1.6	27
24	The strength of alpha and gamma oscillations predicts behavioral switch costs. <i>NeuroImage</i> , 2019, 188, 274-281.	2.1	27
25	Polarity-dependent modulation of multi-spectral neuronal activity by transcranial direct current stimulation. <i>Cortex</i> , 2018, 108, 222-233.	1.1	26
26	Veterans with post-traumatic stress disorder exhibit altered emotional processing and attentional control during an emotional Stroop task. <i>Psychological Medicine</i> , 2017, 47, 2017-2027.	2.7	25
27	Spatially resolved neural slowing predicts impairment and amyloid burden in Alzheimer's disease. <i>Brain</i> , 2022, 145, 2177-2189.	3.7	25
28	Stability of spectral estimates in resting-state magnetoencephalography: Recommendations for minimal data duration with neuroanatomical specificity. <i>NeuroImage</i> , 2022, 247, 118823.	2.1	25
29	Prefrontal gating of sensory input differentiates cognitively impaired and unimpaired aging adults with HIV. <i>Brain Communications</i> , 2020, 2, fcaa080.	1.5	23
30	Neural oscillatory dynamics serving abstract reasoning reveal robust sex differences in typically-developing children and adolescents. <i>Developmental Cognitive Neuroscience</i> , 2020, 42, 100770.	1.9	23
31	Posterior Alpha and Gamma Oscillations Index Divergent and Superadditive Effects of Cognitive Interference. <i>Cerebral Cortex</i> , 2020, 30, 1931-1945.	1.6	21
32	Alpha Frequency Entrainment Reduces the Effect of Visual Distractors. <i>Journal of Cognitive Neuroscience</i> , 2019, 31, 1392-1403.	1.1	20
33	Age-related visual dynamics in HIV-infected adults with cognitive impairment. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2020, 7, .	3.1	20
34	Development and sex modulate visuospatial oscillatory dynamics in typically-developing children and adolescents. <i>NeuroImage</i> , 2020, 221, 117192.	2.1	16
35	Modulation of attention networks serving reorientation in healthy aging. <i>Aging</i> , 2020, 12, 12582-12597.	1.4	16
36	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.	2.7	15

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37	Multi-spectral oscillatory dynamics serving directed and divided attention. <i>NeuroImage</i> , 2020, 217, 116927.	2.1	15
38	Somatosensory dysfunction is masked by variable cognitive deficits across patients on the Alzheimer's disease spectrum. <i>EBioMedicine</i> , 2021, 73, 103638.	2.7	15
39	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.	1.6	14
40	Epigenetic Markers of Aging Predict the Neural Oscillations Serving Selective Attention. <i>Cerebral Cortex</i> , 2020, 30, 1234-1243.	1.6	13
41	Local cortical thickness predicts somatosensory gamma oscillations and sensory gating: A multimodal approach. <i>NeuroImage</i> , 2020, 214, 116749.	2.1	13
42	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.	3.0	13
43	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, 146571.	1.1	12
44	Numerical working memory alters alpha-beta oscillations and connectivity in the parietal cortices. <i>Human Brain Mapping</i> , 2020, 41, 3709-3719.	1.9	12
45	Altered fronto-occipital connectivity during visual selective attention in regular cannabis users. <i>Psychopharmacology</i> , 2021, 238, 1351-1361.	1.5	12
46	Response certainty during bimanual movements reduces gamma oscillations in primary motor cortex. <i>NeuroImage</i> , 2021, 224, 117448.	2.1	12
47	Haptic exploration attenuates and alters somatosensory cortical oscillations. <i>Journal of Physiology</i> , 2018, 596, 5051-5061.	1.3	11
48	Aberrant brain dynamics in neuroHIV: Evidence from magnetoencephalographic (MEG) imaging. <i>Progress in Molecular Biology and Translational Science</i> , 2019, 165, 285-320.	0.9	11
49	Methodological considerations for a better somatosensory gating paradigm: The impact of the inter-stimulus interval. <i>NeuroImage</i> , 2020, 220, 117048.	2.1	11
50	The impact of type 1 diabetes on neural activity serving attention. <i>Human Brain Mapping</i> , 2019, 40, 1093-1100.	1.9	10
51	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.	1.2	9
52	Differences in Rhythmic Neural Activity Supporting the Temporal and Spatial Cueing of Attention. <i>Cerebral Cortex</i> , 2021, 31, 4933-4944.	1.6	9
53	Endocytosis sustains release at photoreceptor ribbon synapses by restoring fusion competence. <i>Journal of General Physiology</i> , 2018, 150, 591-611.	0.9	7
54	Altered neural dynamics in occipital cortices serving visual-spatial processing in heavy alcohol users. <i>Journal of Psychopharmacology</i> , 2020, 34, 245-253.	2.0	7

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55	Cannabis use impacts pre-stimulus neural activity in the visual cortices of people with HIV. <i>Human Brain Mapping</i> , 2021, 42, 5446-5457.	1.9	7
56	Peripheral Somatosensory Entrainment Modulates the Cross-Frequency Coupling of Movement-Related Theta-Gamma Oscillations. <i>Brain Connectivity</i> , 2021, , .	0.8	6
57	Prefrontal Multielectrode Transcranial Direct Current Stimulation Modulates Performance and Neural Activity Serving Visuospatial Processing. <i>Cerebral Cortex</i> , 2020, 30, 4847-4857.	1.6	5
58	Stairway to memory: Left-hemispheric alpha dynamics index the progressive loading of items into a short-term store. <i>NeuroImage</i> , 2021, 235, 118024.	2.1	4
59	Altered neural oscillations during complex sequential movements in patients with Parkinson's disease. <i>NeuroImage: Clinical</i> , 2021, 32, 102892.	1.4	4
60	Differential impact of movement on the alpha and gamma dynamics serving visual processing. <i>Journal of Neurophysiology</i> , 2022, 127, 928-937.	0.9	2
61	Signatures of somatosensory cortical dysfunction in Alzheimer's disease and HIV-associated neurocognitive disorder. <i>Brain Communications</i> , 2022, 4, .	1.5	2
62	Homotypic synaptic coupling and the cellular bases of gamma oscillatory activity. <i>Journal of Neurophysiology</i> , 2016, 115, 625-627.	0.9	1
63	Altered Neural Dynamics during a Flanker Attention Task in Patients with Type 1 Diabetes. <i>Diabetes</i> , 2018, 67, 1594-P.	0.3	1
64	Aberrant inhibitory processing in the somatosensory cortices of cannabis-users. <i>Journal of Psychopharmacology</i> , 2021, 35, 026988112110505.	2.0	1
65	Visual entrainment responses are altered in patients with mild cognitive impairment and Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	1
66	Frequency-specific Transcranial Modulation of Oscillatory Dynamics in Visuospatial Attention Networks. <i>Brain Stimulation</i> , 2017, 10, e35.	0.7	0
67	Cathodal Prefrontal tDCS Disrupts Attention Networks and Behavior during a Flanker Task. <i>Brain Stimulation</i> , 2017, 10, e38.	0.7	0
68	Aberrant Inhibitory Processing in the Somatosensory Cortices of Cannabis Users. <i>Biological Psychiatry</i> , 2021, 89, S346.	0.7	0
69	Youth with Cerebral Palsy Display Abnormal Somatosensory Cortical Activity During a Haptic Exploration Task. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
70	Neural somatosensory dysfunction is masked by variable executive declines across the Alzheimer's disease spectrum. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0
71	Piecing it together: Relationships between hippocampal subfields and cognitive impairment along the Alzheimer's disease spectrum. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0