

# Elizabeth C Heinrichs-Graham

## List of Publications by Year in descending order

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Version: 2024-02-01

85  
papers

3,047  
citations

126708

33  
h-index

197535

49  
g-index

85  
all docs

85  
docs citations

85  
times ranked

2697  
citing authors

#	ARTICLE	IF	CITATIONS
1	Amount of Hearing Aid Use Impacts Neural Oscillatory Dynamics Underlying Verbal Working Memory Processing for Children With Hearing Loss. <i>Ear and Hearing</i> , 2022, 43, 408-419.	1.0	7
2	Alpha oscillations in left perisylvian cortices support semantic processing and predict performance. <i>Cerebral Cortex</i> , 2022, 32, 5376-5387.	1.6	2
3	Trauma moderates the development of the oscillatory dynamics serving working memory in a sex-specific manner. <i>Cerebral Cortex</i> , 2022, 32, 5206-5215.	1.6	5
4	Auditory experience modulates fronto-parietal theta activity serving fluid intelligence. <i>Brain Communications</i> , 2022, 4, fcac093.	1.5	1
5	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
6	Longitudinal changes in the neural oscillatory dynamics underlying abstract reasoning in children and adolescents. <i>NeuroImage</i> , 2022, 253, 119094.	2.1	3
7	The Developmental Chronnecto-Genomics (Dev-CoG) study: A multimodal study on the developing brain. <i>NeuroImage</i> , 2021, 225, 117438.	2.1	34
8	Response certainty during bimanual movements reduces gamma oscillations in primary motor cortex. <i>NeuroImage</i> , 2021, 224, 117448.	2.1	12
9	Cortical oscillations that underlie visual selective attention are abnormal in adolescents with cerebral palsy. <i>Scientific Reports</i> , 2021, 11, 4661.	1.6	3
10	Cortical oscillations that underlie working memory are altered in adults with cerebral palsy. <i>Clinical Neurophysiology</i> , 2021, 132, 938-945.	0.7	5
11	The impact of mild-to-severe hearing loss on the neural dynamics serving verbal working memory processing in children. <i>NeuroImage: Clinical</i> , 2021, 30, 102647.	1.4	9
12	Brain Correlates of Verbal Working Memory in Children with Hearing Loss: Auditory Experience Matters. <i>Hearing Journal</i> , 2021, 74, 12-14.	0.1	0
13	Altered neural oscillations during complex sequential movements in patients with Parkinson's disease. <i>NeuroImage: Clinical</i> , 2021, 32, 102892.	1.4	4
14	High-definition transcranial direct current stimulation modulates performance and alpha/beta parieto-frontal connectivity serving fluid intelligence. <i>Journal of Physiology</i> , 2021, 599, 5451-5463.	1.3	10
15	Prefrontal theta modulates sensorimotor gamma networks during the reorienting of attention. <i>Human Brain Mapping</i> , 2020, 41, 520-529.	1.9	34
16	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
17	Gamma somatosensory cortical oscillations are attenuated during the stance phase of human walking. <i>Neuroscience Letters</i> , 2020, 732, 135090.	1.0	1
18	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

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19	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.	1.7	19
20	Parietal Oscillatory Dynamics Mediate Developmental Improvement in Motor Performance. <i>Cerebral Cortex</i> , 2020, 30, 6405-6414.	1.6	15
21	Development and sex modulate visuospatial oscillatory dynamics in typically-developing children and adolescents. <i>NeuroImage</i> , 2020, 221, 117192.	2.1	16
22	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
23	Beta and gamma oscillations index cognitive interference effects across a distributed motor network. <i>NeuroImage</i> , 2020, 213, 116747.	2.1	35
24	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
25	Altered motor dynamics in type 1 diabetes modulate behavioral performance. <i>NeuroImage: Clinical</i> , 2019, 24, 101977.	1.4	5
26	Practice modulates motor-related beta oscillations differently in adolescents and adults. <i>Journal of Physiology</i> , 2019, 597, 3203-3216.	1.3	8
27	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
28	Load modulates the alpha and beta oscillatory dynamics serving verbal working memory. <i>NeuroImage</i> , 2019, 184, 256-265.	2.1	49
29	The impact of type 1 diabetes on neural activity serving attention. <i>Human Brain Mapping</i> , 2019, 40, 1093-1100.	1.9	10
30	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
31	Neural dynamics of verbal working memory processing in children and adolescents. <i>NeuroImage</i> , 2019, 185, 191-197.	2.1	37
32	Rhythmic Spontaneous Activity Mediates the Age-Related Decline in Somatosensory Function. <i>Cerebral Cortex</i> , 2019, 29, 680-688.	1.6	54
33	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
34	Veterans with PTSD demonstrate amygdala hyperactivity while viewing threatening faces: A MEG study. <i>Biological Psychology</i> , 2018, 132, 228-232.	1.1	41
35	Altered Brain Dynamics in Patients With Type 1 Diabetes During Working Memory Processing. <i>Diabetes</i> , 2018, 67, 1140-1148.	0.3	27
36	The lifespan trajectory of neural oscillatory activity in the motor system. <i>Developmental Cognitive Neuroscience</i> , 2018, 30, 159-168.	1.9	74

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37	tDCS Modulates Visual Gamma Oscillations and Basal Alpha Activity in Occipital Cortices: Evidence from MEG. <i>Cerebral Cortex</i> , 2018, 28, 1597-1609.	1.6	53
38	The peak frequency of motor-related gamma oscillations is modulated by response competition. <i>NeuroImage</i> , 2018, 165, 27-34.	2.1	33
39	Attention training modulates resting-state neurophysiological abnormalities in posttraumatic stress disorder. <i>Psychiatry Research - Neuroimaging</i> , 2018, 271, 135-141.	0.9	12
40	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
41	Neurophysiological changes in the visuomotor network after practicing a motor task. <i>Journal of Neurophysiology</i> , 2018, 120, 239-249.	0.9	21
42	Aberrant Neuronal Dynamics during Working Memory Operations in the Aging HIV-Infected Brain. <i>Scientific Reports</i> , 2017, 7, 41568.	1.6	39
43	The cortical signature of symptom laterality in Parkinson's disease. <i>NeuroImage: Clinical</i> , 2017, 14, 433-440.	1.4	51
44	Spatiotemporal oscillatory dynamics of visual selective attention during a flanker task. <i>NeuroImage</i> , 2017, 156, 277-285.	2.1	92
45	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
46	Altered sensorimotor cortical oscillations in individuals with multiple sclerosis suggests a faulty internal model. <i>Human Brain Mapping</i> , 2017, 38, 4009-4018.	1.9	21
47	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.	1.4	29
48	The functional role of post-movement beta oscillations in motor termination. <i>Brain Structure and Function</i> , 2017, 222, 3075-3086.	1.2	60
49	Transcranial direct-current stimulation modulates offline visual oscillatory activity: A magnetoencephalography study. <i>Cortex</i> , 2017, 88, 19-31.	1.1	26
50	Oscillations during observations: Dynamic oscillatory networks serving visuospatial attention. <i>Human Brain Mapping</i> , 2017, 38, 5128-5140.	1.9	44
51	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.	2.5	98
52	Oscillatory dynamics and functional connectivity during gating of primary somatosensory responses. <i>Journal of Physiology</i> , 2017, 595, 1365-1375.	1.3	39
53	Resting-State Neurophysiological Abnormalities in Posttraumatic Stress Disorder: A Magnetoencephalography Study. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 205.	1.0	22
54	Male veterans with PTSD exhibit aberrant neural dynamics during working memory processing: an MEG study. <i>Journal of Psychiatry and Neuroscience</i> , 2016, 41, 251-260.	1.4	30

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55	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
56	Ageing modulates the oscillatory dynamics underlying successful working memory encoding and maintenance. <i>Human Brain Mapping</i> , 2016, 37, 2348-2361.	1.9	65
57	Is an absolute level of cortical beta suppression required for proper movement? Magnetoencephalographic evidence from healthy aging. <i>NeuroImage</i> , 2016, 134, 514-521.	2.1	131
58	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.	1.0	26
59	Effects of Noise on Speech Recognition and Listening Effort in Children With Normal Hearing and Children With Mild Bilateral or Unilateral Hearing Loss. <i>Journal of Speech, Language, and Hearing Research</i> , 2016, 59, 1218-1232.	0.7	62
60	Developmental Trajectory of Beta Cortical Oscillatory Activity During a Knee Motor Task. <i>Brain Topography</i> , 2016, 29, 824-833.	0.8	23
61	Cue-related Temporal Factors Modulate Movement-related Beta Oscillatory Activity in the Human Motor Circuit. <i>Journal of Cognitive Neuroscience</i> , 2016, 28, 1039-1051.	1.1	51
62	Neuroimaging with magnetoencephalography: A dynamic view of brain pathophysiology. <i>Translational Research</i> , 2016, 175, 17-36.	2.2	69
63	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.	1.2	24
64	Multimodal neuroimaging evidence of alterations in cortical structure and function in HIV-infected older adults. <i>Human Brain Mapping</i> , 2015, 36, 897-910.	1.9	60
65	Coding complexity in the human motor circuit. <i>Human Brain Mapping</i> , 2015, 36, 5155-5167.	1.9	62
66	Spatiotemporal oscillatory dynamics during the encoding and maintenance phases of a visual working memory task. <i>Cortex</i> , 2015, 69, 121-130.	1.1	76
67	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, 3143-3150.	0.9	49
68	Decreased somatosensory activity to non-threatening touch in combat veterans with posttraumatic stress disorder. <i>Psychiatry Research - Neuroimaging</i> , 2015, 233, 194-200.	0.9	25
69	Children with cerebral palsy have uncharacteristic somatosensory cortical oscillations after stimulation of the hand mechanoreceptors. <i>Neuroscience</i> , 2015, 305, 67-75.	1.1	29
70	Neuromagnetic Evidence of Abnormal Movement-Related Beta Desynchronization in Parkinson's Disease. <i>Cerebral Cortex</i> , 2014, 24, 2669-2678.	1.6	128
71	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, 1072-1077.	1.1	72
72	Hypersynchrony despite pathologically reduced beta oscillations in patients with Parkinson's disease: a pharmaco-magnetoencephalography study. <i>Journal of Neurophysiology</i> , 2014, 112, 1739-1747.	0.9	72

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73	Circadian modulation of motor-related beta oscillatory responses. <i>NeuroImage</i> , 2014, 102, 531-539.	2.1	69
74	Pharmaco-MEG evidence for attention related hyper-connectivity between auditory and prefrontal cortices in ADHD. <i>Psychiatry Research - Neuroimaging</i> , 2014, 221, 240-245.	0.9	17
75	Aberrant synchrony in the somatosensory cortices predicts motor performance errors in children with cerebral palsy. <i>Journal of Neurophysiology</i> , 2014, 111, 573-579.	0.9	61
76	Broadband neurophysiological abnormalities in the medial prefrontal region of the default mode network in adults with ADHD. <i>Human Brain Mapping</i> , 2013, 34, 566-574.	1.9	61
77	Functional Brain Abnormalities During Finger-Tapping in HIV-Infected Older Adults: A Magnetoencephalography Study. <i>Journal of NeuroImmune Pharmacology</i> , 2013, 8, 965-974.	2.1	58
78	Whole-brain functional connectivity increases with extended duration of focal epileptiform activity. <i>Neuroscience Letters</i> , 2013, 542, 26-29.	1.0	12
79	Decreased MEG beta oscillations in HIV-infected older adults during the resting state. <i>Journal of NeuroVirology</i> , 2013, 19, 586-594.	1.0	30
80	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, 333-340.	1.4	44
81	Estimating the passage of minutes: Deviant oscillatory frontal activity in medicated and unmedicated ADHD. <i>Neuropsychology</i> , 2013, 27, 654-665.	1.0	28
82	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.	1.1	29
83	Experimental investigation of the effects of the acoustical conditions in a simulated classroom on speech recognition and learning in children. <i>Journal of the Acoustical Society of America</i> , 2012, 131, 232-246.	0.5	104
84	Potential role for magnetoencephalography in distinguishing low- and high-grade gliomas: a preliminary study with histopathological confirmation. <i>Neuro-Oncology</i> , 2012, 14, 624-630.	0.6	7
85	Presence of strong harmonics during visual entrainment: A magnetoencephalography study. <i>Biological Psychology</i> , 2012, 91, 59-64.	1.1	24