

Brian A Coffman

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

2,105
citations

394421

19
h-index

243625

44
g-index

68
all docs

68
docs citations

68
times ranked

2323
citing authors

#	ARTICLE	IF	CITATIONS
1	Battery powered thought: Enhancement of attention, learning, and memory in healthy adults using transcranial direct current stimulation. <i>NeuroImage</i> , 2014, 85, 895-908.	4.2	378
2	Transcranial direct current stimulation (tDCS) produces localized and specific alterations in neurochemistry: A 1H magnetic resonance spectroscopy study. <i>Neuroscience Letters</i> , 2011, 500, 67-71.	2.1	255
3	TDCS guided using fMRI significantly accelerates learning to identify concealed objects. <i>NeuroImage</i> , 2012, 59, 117-128.	4.2	209
4	Enhancement of object detection with transcranial direct current stimulation is associated with increased attention. <i>BMC Neuroscience</i> , 2012, 13, 108.	1.9	117
5	Baseline effects of transcranial direct current stimulation on glutamatergic neurotransmission and large-scale network connectivity. <i>Brain Research</i> , 2015, 1594, 92-107.	2.2	108
6	Mismatch Negativity in First-Episode Schizophrenia. <i>Clinical EEG and Neuroscience</i> , 2017, 48, 3-10.	1.7	100
7	Transcranial Direct Current Stimulation Augments Perceptual Sensitivity and 24-Hour Retention in a Complex Threat Detection Task. <i>PLoS ONE</i> , 2012, 7, e34993.	2.5	80
8	Transcranial Direct Current Stimulation Modulates Neuronal Activity and Learning in Pilot Training. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 34.	2.0	80
9	Delays in Auditory Processing Identified in Preschool Children with <scp>FASD</scp>. <i>Alcoholism: Clinical and Experimental Research</i> , 2012, 36, 1720-1727.	2.4	61
10	Enhanced working memory performance via transcranial direct current stimulation: The possibility of near and far transfer. <i>Neuropsychologia</i> , 2016, 93, 85-96.	1.6	53
11	Does Neurotechnology Produce a Better Brain?. <i>Computer</i> , 2017, 50, 48-58.	1.1	53
12	Impact of tDCS on performance and learning of target detection: Interaction with stimulus characteristics and experimental design. <i>Neuropsychologia</i> , 2012, 50, 1594-1602.	1.6	51
13	Transcranial direct current stimulation's effect on novice versus experienced learning. <i>Experimental Brain Research</i> , 2011, 213, 9-14.	1.5	48
14	Using joint ICA to link function and structure using MEG and DTI in schizophrenia. <i>NeuroImage</i> , 2013, 83, 418-430.	4.2	47
15	Tracking the neuroplastic changes associated with transcranial direct current stimulation: a push for multimodal imaging. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 495.	2.0	44
16	Primary visual response (M100) delays in adolescents with FASD as measured with MEG. <i>Human Brain Mapping</i> , 2013, 34, 2852-2862.	3.6	32
17	Granger causal time-dependent source connectivity in the somatosensory network. <i>Scientific Reports</i> , 2015, 5, 10399.	3.3	28
18	Impairment in Mismatch Negativity but not Repetition Suppression in Schizophrenia. <i>Brain Topography</i> , 2017, 30, 521-530.	1.8	27

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19	Abnormal auditory pattern perception in schizophrenia. <i>Schizophrenia Research</i> , 2016, 176, 473-479.	2.0	22
20	Complex mismatch negativity to tone pair deviants in long-term schizophrenia and in the first-episode schizophrenia spectrum. <i>Schizophrenia Research</i> , 2018, 191, 18-24.	2.0	20
21	Mindfulness-based training with transcranial direct current stimulation modulates neuronal resource allocation in working memory: A randomized pilot study with a nonequivalent control group. <i>Heliyon</i> , 2018, 4, e00685.	3.2	20
22	Differences in MEG gamma oscillatory power during performance of a prosaccade task in adolescents with FASD. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 900.	2.0	16
23	Mismatch negativity to pitch pattern deviants in schizophrenia. <i>European Journal of Neuroscience</i> , 2017, 46, 2229-2239.	2.6	15
24	Non-negative Matrix Factorization Reveals Resting-State Cortical Alpha Network Abnormalities in the First-Episode Schizophrenia Spectrum. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020, 5, 961-970.	1.5	14
25	White Matter Microstructural Abnormalities in the Broca's-Wernicke's-Putamen-Hoffman Hallucination Circuit and Auditory Transcallosal Fibers in First-Episode Psychosis With Auditory Hallucinations. <i>Schizophrenia Bulletin</i> , 2021, 47, 149-159.	4.3	14
26	Localization of Early-Stage Visual Processing Deficits at Schizophrenia Spectrum Illness Onset Using Magnetoencephalography. <i>Schizophrenia Bulletin</i> , 2020, 46, 955-963.	4.3	13
27	Mismatch Negativity and Impaired Social Functioning in Long-Term and in First Episode Schizophrenia Spectrum Psychosis. <i>Frontiers in Psychiatry</i> , 2020, 11, 544.	2.6	13
28	Pitch and Duration Mismatch Negativity and Heschl's Gyrus Volume in First-Episode Schizophrenia-Spectrum Individuals. <i>Clinical EEG and Neuroscience</i> , 2020, 51, 359-364.	1.7	13
29	Multisensory stimuli elicit altered oscillatory brain responses at gamma frequencies in patients with schizophrenia. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 788.	2.0	12
30	Parahippocampal area three gray matter is reduced in first-episode schizophrenia spectrum: Discovery and replication samples. <i>Human Brain Mapping</i> , 2021, 42, 724-736.	3.6	12
31	Inefficient visual search strategies in the first-episode schizophrenia spectrum. <i>Schizophrenia Research</i> , 2020, 224, 126-132.	2.0	10
32	Unisensory and Multisensory Responses in Fetal Alcohol Spectrum Disorders (FASD): Effects of Spatial Congruence. <i>Neuroscience</i> , 2020, 430, 34-46.	2.3	10
33	Pitch and Duration Mismatch Negativity are Associated With Distinct Auditory Cortex and Inferior Frontal Cortex Volumes in the First-Episode Schizophrenia Spectrum. <i>Schizophrenia Bulletin Open</i> , 2021, 2, sgab005.	1.7	10
34	Event-related potentials demonstrate deficits in acoustic segmentation in schizophrenia. <i>Schizophrenia Research</i> , 2016, 173, 109-115.	2.0	9
35	Altered Neural Oscillations During Multisensory Integration in Adolescents with Fetal Alcohol Spectrum Disorder. <i>Alcoholism: Clinical and Experimental Research</i> , 2017, 41, 2173-2184.	2.4	9
36	The impact of targeted cathodal transcranial direct current stimulation on reward circuitry and affect in Bipolar Disorder. <i>Molecular Psychiatry</i> , 2021, 26, 4137-4145.	7.9	9

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37	Modulating affective experience and emotional intelligence with loving kindness meditation and transcranial direct current stimulation: A pilot study. <i>Social Neuroscience</i> , 2019, 14, 10-25.	1.3	8
38	Deficits in attentional modulation of auditory N100 in first-episode schizophrenia. <i>European Journal of Neuroscience</i> , 2021, 53, 2629-2638.	2.6	8
39	Aberrant attentional modulation of the auditory steady state response (ASSR) is related to auditory hallucination severity in the first-episode schizophrenia-spectrum. <i>Journal of Psychiatric Research</i> , 2022, 151, 188-196.	3.1	8
40	Lateralized evoked responses in parietal cortex demonstrate visual short-term memory deficits in first-episode schizophrenia. <i>Journal of Psychiatric Research</i> , 2020, 130, 292-299.	3.1	7
41	Distinct alterations in resting-state electroencephalogram during eyes closed and eyes open and between morning and evening are present in first-episode psychosis patients. <i>Schizophrenia Research</i> , 2021, 228, 36-42.	2.0	7
42	Fronto-parietal network function during cued visual search in the first-episode schizophrenia spectrum. <i>Journal of Psychiatric Research</i> , 2021, 141, 339-345.	3.1	7
43	Covariation Between Brain Function (MEG) and Structure (DTI) Differentiates Adolescents with Fetal Alcohol Spectrum Disorder from Typically Developing Controls. <i>Neuroscience</i> , 2020, 449, 74-87.	2.3	6
44	Reduced Dorsal Visual Oscillatory Activity During Working Memory Maintenance in the First-Episode Schizophrenia Spectrum. <i>Frontiers in Psychiatry</i> , 2020, 11, 743.	2.6	6
45	Reductions in Complex Mismatch Negativity to Extra Tone Gestalt Pattern Deviance in First-Episode Schizophrenia. <i>Frontiers in Psychiatry</i> , 2020, 11, 505.	2.6	6
46	Trait sensation seeking is associated with heightened beta-band oscillatory dynamics over left ventrolateral prefrontal cortex during reward expectancy. <i>Journal of Affective Disorders</i> , 2021, 292, 67-74.	4.1	6
47	Reduced auditory segmentation potentials in first-episode schizophrenia. <i>Schizophrenia Research</i> , 2018, 195, 421-427.	2.0	5
48	Actigraphy: Metrics reveal it is not a valid tool for determining sleep in neonates. <i>Journal of Sleep Research</i> , 2022, 31, e13444.	3.2	5
49	Reduced late mismatch negativity and auditory sustained potential to rule-based patterns in schizophrenia. <i>European Journal of Neuroscience</i> , 2019, 49, 275-289.	2.6	4
50	Load-dependent functional connectivity deficits during visual working memory in first-episode psychosis. <i>Journal of Psychiatric Research</i> , 2022, 153, 174-181.	3.1	4
51	Investigating the brain regions involved in tDCS-Enhanced category learning using finite element modeling. <i>NeuroImage Reports</i> , 2021, 1, 100048.	1.0	2
52	TMS Doses Based on Motor Threshold Differ Between DLPFC, OFC, and Motor Cortex: A Case for Electric Field Dosimetry in Clinical Studies. <i>Biological Psychiatry</i> , 2022, 91, S70.	1.3	2
53	An Evolutionary Perspective on Attentional Processes. , 2014, , 207-215.		1
54	Normal categorical perception to syllable-like stimuli in long term and in first episode schizophrenia. <i>Schizophrenia Research</i> , 2019, 208, 124-132.	2.0	1

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55	T250. Schizophrenia Treatment With Single-Session tDCS and Cognitive Remediation Training: Preliminary Findings. <i>Biological Psychiatry</i> , 2018, 83, S226.	1.3	0
56	T237. Parahippocampal Gray Matter Thickness, Verbal Fluency, and Auditory Hallucinations in the First Episode Schizophrenia Spectrum. <i>Biological Psychiatry</i> , 2018, 83, S220-S221.	1.3	0
57	T92. HIPPOCAMPAL GRAY MATTER VOLUME IS ASSOCIATED WITH COGNITION, POSITIVE SYMPTOMS, AND DURATION OF UNTREATED PSYCHOSIS IN THE FIRST EPISODE SCHIZOPHRENIA SPECTRUM. <i>Schizophrenia Bulletin</i> , 2019, 45, S239-S240.	4.3	0
58	O8.5. CORTICAL LOCALIZATION OF SELECTIVE ATTENTION DEFICITS FOLLOWING FIRST PSYCHOTIC EPISODE. <i>Schizophrenia Bulletin</i> , 2019, 45, S184-S185.	4.3	0
59	S169. Effect of Attention on N100 in First Episode Psychosis. <i>Biological Psychiatry</i> , 2019, 85, S362-S363.	1.3	0
60	S137. LEFT HEMISPHERE MEG DEFICIT IN PITCH AND DURATION MISMATCH NEGATIVITY IN FIRST EPISODE PSYCHOSIS. <i>Schizophrenia Bulletin</i> , 2020, 46, S87-S88.	4.3	0
61	O5.3. IMPAIRED LEFT TEMPORAL-PARIETAL JUNCTION FMRI ACTIVITY DURING CATEGORY FLUENCY IN FIRST-EPISODE PSYCHOSIS. <i>Schizophrenia Bulletin</i> , 2020, 46, S11-S12.	4.3	0
62	Hyperactive Left TPJ Activity During Category Fluency in First-Episode Psychosis. <i>Biological Psychiatry</i> , 2020, 87, S295.	1.3	0
63	tDCS and Cognitive Training for Treatment of Schizophrenia Symptoms. <i>Biological Psychiatry</i> , 2020, 87, S128-S129.	1.3	0
64	Fronto-Parietal Network Function During Cued Visual Search in First-Episode Psychosis. <i>Biological Psychiatry</i> , 2021, 89, S331.	1.3	0
65	Auditory Cortex Attentional Gain Modulation is Impaired in First-Episode Psychosis. <i>Biological Psychiatry</i> , 2021, 89, S347.	1.3	0
66	Posterior brain sensorimotor recruitment for inhibition of delayed responses in children. <i>Experimental Brain Research</i> , 2021, 239, 3221-3242.	1.5	0
67	P552. Reduced Left Hemisphere A1 MEG MMN Despite "Healthy" Scalp EEG MMN in First Episode Psychosis. <i>Biological Psychiatry</i> , 2022, 91, S312.	1.3	0