

# Brian J Roach

## List of Publications by Year in descending order

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Version: 2024-02-01

83  
papers

4,122  
citations

94433

37  
h-index

128289

60  
g-index

90  
all docs

90  
docs citations

90  
times ranked

4222  
citing authors

#	ARTICLE	IF	CITATIONS
1	Event-Related EEG Time-Frequency Analysis: An Overview of Measures and An Analysis of Early Gamma Band Phase Locking in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2008, 34, 907-926.	4.3	494
2	Automatic Auditory Processing Deficits in Schizophrenia and Clinical High-Risk Patients: Forecasting Psychosis Risk with Mismatch Negativity. <i>Biological Psychiatry</i> , 2014, 75, 459-469.	1.3	204
3	Synch Before You Speak: Auditory Hallucinations in Schizophrenia. <i>American Journal of Psychiatry</i> , 2007, 164, 458-466.	7.2	171
4	Dissecting corollary discharge dysfunction in schizophrenia. <i>Psychophysiology</i> , 2007, 44, 522-529.	2.4	163
5	Did I Do That? Abnormal Predictive Processes in Schizophrenia When Button Pressing to Deliver a Tone. <i>Schizophrenia Bulletin</i> , 2014, 40, 804-812.	4.3	139
6	Out-of-Synch and Out-of-Sorts: Dysfunction of Motor-Sensory Communication in Schizophrenia. <i>Biological Psychiatry</i> , 2008, 63, 736-743.	1.3	120
7	Impaired Visual Cortical Plasticity in Schizophrenia. <i>Biological Psychiatry</i> , 2012, 71, 512-520.	1.3	118
8	Visual Hallucinations Are Associated With Hyperconnectivity Between the Amygdala and Visual Cortex in People With a Diagnosis of Schizophrenia. <i>Schizophrenia Bulletin</i> , 2015, 41, 223-232.	4.3	104
9	Tuning in to the Voices: A Multisite fMRI Study of Auditory Hallucinations. <i>Schizophrenia Bulletin</i> , 2009, 35, 58-66.	4.3	100
10	Dose-Related Modulation of Event-Related Potentials to Novel and Target Stimuli by Intravenous $\Delta^9$ -THC in Humans. <i>Neuropsychopharmacology</i> , 2012, 37, 1632-1646.	5.4	89
11	The dependence of P300 amplitude on gamma synchrony breaks down in schizophrenia. <i>Brain Research</i> , 2008, 1235, 133-142.	2.2	80
12	Association of Structural Magnetic Resonance Imaging Measures With Psychosis Onset in Individuals at Clinical High Risk for Developing Psychosis. <i>JAMA Psychiatry</i> , 2021, 78, 753.	11.0	74
13	Assessing corollary discharge in humans using noninvasive neurophysiological methods. <i>Nature Protocols</i> , 2010, 5, 1160-1168.	12.0	73
14	Frontally mediated inhibitory processing and white matter microstructure: age and alcoholism effects. <i>Psychopharmacology</i> , 2011, 213, 669-679.	3.1	73
15	Glutamatergic Modulation of Auditory Information Processing in the Human Brain. <i>Biological Psychiatry</i> , 2012, 71, 969-977.	1.3	73
16	The Corollary Discharge in Humans Is Related to Synchronous Neural Oscillations. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 2892-2904.	2.3	70
17	Action planning and predictive coding when speaking. <i>NeuroImage</i> , 2014, 91, 91-98.	4.2	68
18	Relating Intrinsic Low-Frequency BOLD Cortical Oscillations to Cognition in Schizophrenia. <i>Neuropsychopharmacology</i> , 2015, 40, 2705-2714.	5.4	68

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19	Error monitoring dysfunction across the illness course of schizophrenia.. Journal of Abnormal Psychology, 2012, 121, 372-387.	1.9	63
20	Deficient Suppression of Default Mode Regions during Working Memory in Individuals with Early Psychosis and at Clinical High-Risk for Psychosis. Frontiers in Psychiatry, 2013, 4, 92.	2.6	62
21	Augmenting NMDA receptor signaling boosts experience-dependent neuroplasticity in the adult human brain. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15331-15336.	7.1	59
22	Association Between P300 Responses to Auditory Oddball Stimuli and Clinical Outcomes in the Psychosis Risk Syndrome. JAMA Psychiatry, 2019, 76, 1187.	11.0	59
23	Automatic semantic priming abnormalities in schizophrenia. International Journal of Psychophysiology, 2010, 75, 157-166.	1.0	58
24	Auditory Cortex Responsiveness During Talking and Listening: Early Illness Schizophrenia and Patients at Clinical High-Risk for Psychosis. Schizophrenia Bulletin, 2012, 38, 1216-1224.	4.3	57
25	Î”9-THC Disrupts Gamma (Î³)-Band Neural Oscillations in Humans. Neuropsychopharmacology, 2015, 40, 2124-2134.	5.4	57
26	Neurophysiological Evidence of Corollary Discharge Function During Vocalization in Psychotic Patients and Their Nonpsychotic First-Degree Relatives. Schizophrenia Bulletin, 2013, 39, 1272-1280.	4.3	54
27	Error detection failures in schizophrenia: ERPs and fMRI. International Journal of Psychophysiology, 2009, 73, 109-117.	1.0	50
28	Subnormal sensory attenuation to self-generated speech in schizotypy: Electrophysiological evidence for a “continuum of psychosis”™. International Journal of Psychophysiology, 2015, 97, 131-138.	1.0	50
29	Self-initiated actions result in suppressed auditory but amplified visual evoked components in healthy participants. Psychophysiology, 2016, 53, 723-732.	2.4	49
30	Auditory and Visual Oddball Stimulus Processing Deficits in Schizophrenia and the Psychosis Risk Syndrome: Forecasting Psychosis Risk With P300. Schizophrenia Bulletin, 2019, 45, 1068-1080.	4.3	49
31	A novel method for quantifying scanner instability in fMRI. Magnetic Resonance in Medicine, 2011, 65, 1053-1061.	3.0	46
32	The Psychosis-like Effects of Î”9-Tetrahydrocannabinol Are Associated With Increased Cortical Noise in Healthy Humans. Biological Psychiatry, 2015, 78, 805-813.	1.3	44
33	Mismatch Negativity But Not P300 Is Associated With Functional Disability in Schizophrenia. Schizophrenia Bulletin, 2018, 44, 492-504.	4.3	44
34	Neurophysiological distinction between schizophrenia and schizoaffective disorder. Frontiers in Human Neuroscience, 2009, 3, 70.	2.0	42
35	Impaired target detection in schizophrenia and the ventral attentional network: Findings from a joint event-related potential“functional MRI analysis. Neurolmage: Clinical, 2015, 9, 95-102.	2.7	41
36	Equivalent mismatch negativity deficits across deviant types in early illness schizophrenia-spectrum patients. Biological Psychology, 2015, 105, 130-137.	2.2	41

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37	Relationships between pre-stimulus gamma power and subsequent P300 and reaction time breakdown in schizophrenia. <i>International Journal of Psychophysiology</i> , 2011, 79, 16-24.	1.0	40
38	Auditory Cortex Processes Variation in Our Own Speech. <i>PLoS ONE</i> , 2013, 8, e82925.	2.5	40
39	Role of N-Methyl-D-Aspartate Receptors in Action-Based Predictive Coding Deficits in Schizophrenia. <i>Biological Psychiatry</i> , 2017, 81, 514-524.	1.3	40
40	Trait aspects of auditory mismatch negativity predict response to auditory training in individuals with early illness schizophrenia. <i>Neuropsychiatric Electrophysiology</i> , 2017, 3, .	4.1	40
41	When it's time for a change: Failures to track context in schizophrenia. <i>International Journal of Psychophysiology</i> , 2010, 78, 3-13.	1.0	38
42	Using concurrent EEG and fMRI to probe the state of the brain in schizophrenia. <i>NeuroImage: Clinical</i> , 2016, 12, 429-441.	2.7	36
43	Cortical Suppression to Delayed Self-Initiated Auditory Stimuli in Schizotypy. <i>Clinical EEG and Neuroscience</i> , 2016, 47, 3-10.	1.7	36
44	Response to Targeted Cognitive Training Correlates with Change in Thalamic Volume in a Randomized Trial for Early Schizophrenia. <i>Neuropsychopharmacology</i> , 2018, 43, 590-597.	5.4	36
45	Early auditory gamma-band responses in patients at clinical high risk for schizophrenia. <i>Supplements To Clinical Neurophysiology</i> , 2013, 62, 147-162.	2.1	34
46	Effects of Nicotine on the Neurophysiological and Behavioral Effects of Ketamine in Humans. <i>Frontiers in Psychiatry</i> , 2014, 5, 3.	2.6	34
47	Deficient auditory predictive coding during vocalization in the psychosis risk syndrome and in early illness schizophrenia: the final expanded sample. <i>Psychological Medicine</i> , 2019, 49, 1897-1904.	4.5	32
48	Test-retest reliability of time-frequency measures of auditory steady-state responses in patients with schizophrenia and healthy controls. <i>NeuroImage: Clinical</i> , 2019, 23, 101878.	2.7	31
49	Reduced Amplitude of Low-Frequency Brain Oscillations in the Psychosis Risk Syndrome and Early Illness Schizophrenia. <i>Neuropsychopharmacology</i> , 2016, 41, 2388-2398.	5.4	27
50	Should I Stay or Should I Go? fMRI Study of Response Inhibition in Early Illness Schizophrenia and Risk for Psychosis. <i>Schizophrenia Bulletin</i> , 2019, 45, 158-168.	4.3	27
51	Effects of Augmenting N-Methyl-D-Aspartate Receptor Signaling on Working Memory and Experience-Dependent Plasticity in Schizophrenia: An Exploratory Study Using Acute d-cycloserine. <i>Schizophrenia Bulletin</i> , 2017, 43, 1123-1133.	4.3	26
52	Interactive effects of an N-methyl-d-aspartate receptor antagonist and a nicotinic acetylcholine receptor agonist on mismatch negativity: Implications for schizophrenia. <i>Schizophrenia Research</i> , 2018, 191, 87-94.	2.0	26
53	Parsing components of auditory predictive coding in schizophrenia using a roving standard mismatch negativity paradigm. <i>Psychological Medicine</i> , 2019, 49, 1195-1206.	4.5	24
54	Aperiodic measures of neural excitability are associated with anticorrelated hemodynamic networks at rest: A combined EEG-fMRI study. <i>NeuroImage</i> , 2021, 245, 118705.	4.2	23

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55	Mismatch Negativity in Response to Auditory Deviance and Risk for Future Psychosis in Youth at Clinical High Risk for Psychosis. <i>JAMA Psychiatry</i> , 2022, 79, 780.	11.0	21
56	Gamma Band Phase Delay in Schizophrenia. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 131-139.	1.5	18
57	EEG Findings of Reduced Neural Synchronization during Visual Integration in Schizophrenia. <i>PLoS ONE</i> , 2015, 10, e0119849.	2.5	18
58	Deficits in Cortical Suppression During Vocalization are Associated With Structural Abnormalities in the Arcuate Fasciculus in Early Illness Schizophrenia and Clinical High Risk for Psychosis. <i>Schizophrenia Bulletin</i> , 2018, 44, 1312-1322.	4.3	17
59	Evaluating visual neuroplasticity with EEG in schizophrenia outpatients. <i>Schizophrenia Research</i> , 2019, 212, 40-46.	2.0	17
60	Impaired Potentiation of Theta Oscillations During a Visual Cortical Plasticity Paradigm in Individuals With Schizophrenia. <i>Frontiers in Psychiatry</i> , 2020, 11, 590567.	2.6	16
61	Deficits in auditory predictive coding in individuals with the psychosis risk syndrome: Prediction of conversion to psychosis.. <i>Journal of Abnormal Psychology</i> , 2020, 129, 599-611.	1.9	15
62	Validation of ketamine as a pharmacological model of thalamic dysconnectivity across the illness course of schizophrenia. <i>Molecular Psychiatry</i> , 2022, 27, 2448-2456.	7.9	15
63	Theta Phase Synchrony Is Sensitive to Corollary Discharge Abnormalities in Early Illness Schizophrenia but Not in the Psychosis Risk Syndrome. <i>Schizophrenia Bulletin</i> , 2021, 47, 415-423.	4.3	14
64	From Sound Perception to Automatic Detection of Schizophrenia: An EEG-Based Deep Learning Approach. <i>Frontiers in Psychiatry</i> , 2021, 12, 813460.	2.6	14
65	Increased global cognition correlates with increased thalamo-temporal connectivity in response to targeted cognitive training for recent onset schizophrenia. <i>Schizophrenia Research</i> , 2020, 218, 131-137.	2.0	13
66	Oxytocin Enhances an Amygdala Circuit Associated With Negative Symptoms in Schizophrenia: A Single-Dose, Placebo-Controlled, Crossover, Randomized Control Trial. <i>Schizophrenia Bulletin</i> , 2020, 46, 661-669.	4.3	12
67	Thalamic dysconnectivity in the psychosis risk syndrome and early illness schizophrenia. <i>Psychological Medicine</i> , 2022, 52, 2767-2775.	4.5	12
68	Efference copy/corollary discharge function and targeted cognitive training in patients with schizophrenia. <i>International Journal of Psychophysiology</i> , 2019, 145, 91-98.	1.0	11
69	Reward processing electrophysiology in schizophrenia: Effects of age and illness phase. <i>NeuroImage: Clinical</i> , 2020, 28, 102492.	2.7	10
70	Stability of mismatch negativity event-related potentials in a multisite study. <i>International Journal of Methods in Psychiatric Research</i> , 2020, 29, e1819.	2.1	10
71	Abnormally Large Baseline P300 Amplitude Is Associated With Conversion to Psychosis in Clinical High Risk Individuals With a History of Autism: A Pilot Study. <i>Frontiers in Psychiatry</i> , 2021, 12, 591127.	2.6	10
72	Response to targeted cognitive training may be neuroprotective in patients with early schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2021, 312, 111285.	1.8	9

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73	Abnormal Coupling Between Default Mode Network and Delta and Beta Band Brain Electric Activity in Psychotic Patients. <i>Brain Connectivity</i> , 2017, 7, 34-44.	1.7	8
74	Aberrant activity in conceptual networks underlies N400 deficits and unusual thoughts in schizophrenia. <i>NeuroImage: Clinical</i> , 2019, 24, 101960.	2.7	7
75	Forecasting Remission From the Psychosis Risk Syndrome With Mismatch Negativity and P300: Potentials and Pitfalls. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, 6, 178-187.	1.5	7
76	Ruminative reflection is associated with anticorrelations between the orbitofrontal cortex and the default mode network in depression: implications for repetitive transcranial magnetic stimulation. <i>Brain Imaging and Behavior</i> , 2022, 16, 1186-1195.	2.1	7
77	Between-site reliability of startle prepulse inhibition across two early psychosis consortia. <i>NeuroReport</i> , 2013, 24, 626-630.	1.2	6
78	Effects of conflict and strategic processing on neural responses to errors in schizophrenia. <i>Biological Psychology</i> , 2019, 140, 9-18.	2.2	6
79	Reliability of mismatch negativity event-related potentials in a multisite, traveling subjects study. <i>Clinical Neurophysiology</i> , 2020, 131, 2899-2909.	1.5	6
80	Effects of Transcranial Direct Current Stimulation on Visual Neuroplasticity in Schizophrenia. <i>Clinical EEG and Neuroscience</i> , 2020, 51, 382-389.	1.7	6
81	Evidence of Slow Neural Processing, Developmental Differences and Sensitivity to Cannabis Effects in a Sample at Clinical High Risk for Psychosis From the NAPLS Consortium Assessed With the Human Startle Paradigm. <i>Frontiers in Psychiatry</i> , 2020, 11, 833.	2.6	4
82	Visual cortical plasticity and the risk for psychosis: An interim analysis of the North American Prodrome Longitudinal Study. <i>Schizophrenia Research</i> , 2021, 230, 26-37.	2.0	4
83	Vocalizing and singing reveal complex patterns of corollary discharge function in schizophrenia. <i>International Journal of Psychophysiology</i> , 2021, 164, 30-40.	1.0	3