

# Bryon A Mueller

## List of Publications by Year in descending order

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Version: 2024-02-01

88  
papers

5,995  
citations

109321

35  
h-index

85541

71  
g-index

92  
all docs

92  
docs citations

92  
times ranked

9715  
citing authors

#	ARTICLE	IF	CITATIONS
1	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. <i>Brain Imaging and Behavior</i> , 2014, 8, 153-182.	2.1	696
2	Cortical Brain Abnormalities in 4474 Individuals With Schizophrenia and 5098 Control Subjects via the Enhancing Neuro Imaging Genetics Through Meta Analysis (ENIGMA) Consortium. <i>Biological Psychiatry</i> , 2018, 84, 644-654.	1.3	627
3	The genetic architecture of the human cerebral cortex. <i>Science</i> , 2020, 367, .	12.6	450
4	Altered resting state complexity in schizophrenia. <i>NeuroImage</i> , 2012, 59, 2196-2207.	4.2	369
5	Mapping cortical brain asymmetry in 17,141 healthy individuals worldwide via the ENIGMA Consortium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5154-E5163.	7.1	299
6	Abnormal Amygdala Resting-State Functional Connectivity in Adolescent Depression. <i>JAMA Psychiatry</i> , 2014, 71, 1138.	11.0	262
7	A preliminary study of functional connectivity in comorbid adolescent depression. <i>Neuroscience Letters</i> , 2009, 460, 227-231.	2.1	209
8	Function biomedical informatics research network recommendations for prospective multicenter functional MRI studies. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 36, 39-54.	3.4	201
9	Patterns of Gray Matter Abnormalities in Schizophrenia Based on an International Mega-analysis. <i>Schizophrenia Bulletin</i> , 2015, 41, 1133-1142.	4.3	183
10	Three-way (N-way) fusion of brain imaging data based on mCCA+jICA and its application to discriminating schizophrenia. <i>NeuroImage</i> , 2013, 66, 119-132.	4.2	154
11	A multi-site resting state fMRI study on the amplitude of low frequency fluctuations in schizophrenia. <i>Frontiers in Neuroscience</i> , 2013, 7, 137.	2.8	144
12	Brain aging in major depressive disorder: results from the ENIGMA major depressive disorder working group. <i>Molecular Psychiatry</i> , 2021, 26, 5124-5139.	7.9	136
13	Multimodal neuromarkers in schizophrenia via cognition-guided MRI fusion. <i>Nature Communications</i> , 2018, 9, 3028.	12.8	127
14	The Function Biomedical Informatics Research Network Data Repository. <i>NeuroImage</i> , 2016, 124, 1074-1079.	4.2	114
15	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
16	Network analysis of functional brain connectivity in borderline personality disorder using resting-state fMRI. <i>NeuroImage: Clinical</i> , 2016, 11, 302-315.	2.7	79
17	Brain structural abnormalities in obesity: relation to age, genetic risk, and common psychiatric disorders. <i>Molecular Psychiatry</i> , 2021, 26, 4839-4852.	7.9	76
18	Saliency Default Mode Functional Network Connectivity Linked to Positive and Negative Symptoms of Schizophrenia. <i>Schizophrenia Bulletin</i> , 2019, 45, 892-901.	4.3	71

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19	An fMRI study of emotional face processing in adolescent major depression. <i>Journal of Affective Disorders</i> , 2014, 168, 44-50.	4.1	70
20	Relating Intrinsic Low-Frequency BOLD Cortical Oscillations to Cognition in Schizophrenia. <i>Neuropsychopharmacology</i> , 2015, 40, 2705-2714.	5.4	68
21	The spatial chronnectome reveals a dynamic interplay between functional segregation and integration. <i>Human Brain Mapping</i> , 2019, 40, 3058-3077.	3.6	67
22	Multimodal Fusion With Reference: Searching for Joint Neuromarkers of Working Memory Deficits in Schizophrenia. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 93-105.	8.9	65
23	Multi-modal neuroimaging of adolescents with non-suicidal self-injury: Amygdala functional connectivity. <i>Journal of Affective Disorders</i> , 2017, 221, 47-55.	4.1	64
24	Neural Correlates of Antidepressant Treatment Response in Adolescents with Major Depressive Disorder. <i>Journal of Child and Adolescent Psychopharmacology</i> , 2016, 26, 705-712.	1.3	63
25	Tractography reveals diffuse white matter abnormalities in Myotonic Dystrophy Type 1. <i>Journal of the Neurological Sciences</i> , 2014, 341, 73-78.	0.6	57
26	Comparison of non-invasive MRI measurements of cerebral blood flow in a large multisite cohort. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1244-1256.	4.3	57
27	Transcranial direct current stimulation and constraint-induced therapy in cerebral palsy: A randomized, blinded, sham-controlled clinical trial. <i>European Journal of Paediatric Neurology</i> , 2018, 22, 358-368.	1.6	56
28	Spatial dynamics within and between brain functional domains: A hierarchical approach to study time-varying brain function. <i>Human Brain Mapping</i> , 2019, 40, 1969-1986.	3.6	52
29	Functional connectivity abnormalities and associated cognitive deficits in fetal alcohol Spectrum disorders (FASD). <i>Brain Imaging and Behavior</i> , 2017, 11, 1432-1445.	2.1	51
30	Comparison of statistical tests for group differences in brain functional networks. <i>NeuroImage</i> , 2014, 101, 681-694.	4.2	47
31	Neuropsychological profile in adult schizophrenia measured with the CMINDS. <i>Psychiatry Research</i> , 2015, 230, 826-834.	3.3	45
32	A multi-scanner study of subcortical brain volume abnormalities in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2014, 222, 10-16.	1.8	39
33	A meta-analysis of deep brain structural shape and asymmetry abnormalities in 2,833 individuals with schizophrenia compared with 3,929 healthy volunteers via the ENIGMA Consortium. <i>Human Brain Mapping</i> , 2022, 43, 352-372.	3.6	39
34	Changes in resting functional connectivity during abstinence in stimulant use disorder: A preliminary comparison of relapsers and abstainers. <i>Drug and Alcohol Dependence</i> , 2014, 139, 145-151.	3.2	37
35	Modality-Dependent Impact of Hallucinations on Low-Frequency Fluctuations in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2017, 43, sbw093.	4.3	37
36	Impaired Bottom-Up Effective Connectivity Between Amygdala and Subgenual Anterior Cingulate Cortex in Unmedicated Adolescents with Major Depression: Results from a Dynamic Causal Modeling Analysis. <i>Brain Connectivity</i> , 2015, 5, 608-619.	1.7	36

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37	Abnormal striatal resting-state functional connectivity in adolescents with obsessive-compulsive disorder. <i>Psychiatry Research - Neuroimaging</i> , 2016, 247, 49-56.	1.8	36
38	Cortical thickness and resting-state cardiac function across the lifespan: A cross-sectional pooled mega-analysis. <i>Psychophysiology</i> , 2021, 58, e13688.	2.4	33
39	Diffusion MRI and its Role in Neuropsychology. <i>Neuropsychology Review</i> , 2015, 25, 250-271.	4.9	31
40	Synergistic effect of combined transcranial direct current stimulation/constraint-induced movement therapy in children and young adults with hemiparesis: study protocol. <i>BMC Pediatrics</i> , 2015, 15, 178.	1.7	29
41	Disrupted network cross talk, hippocampal dysfunction and hallucinations in schizophrenia. <i>Schizophrenia Research</i> , 2018, 199, 226-234.	2.0	29
42	Accelerated maturation in functional connectivity following early life stress: Circuit specific or broadly distributed?. <i>Developmental Cognitive Neuroscience</i> , 2021, 48, 100922.	4.0	28
43	Increases in orbitofrontal cortex thickness following antidepressant treatment are associated with changes in resting state autonomic function in adolescents with major depression - Preliminary findings from a pilot study. <i>Psychiatry Research - Neuroimaging</i> , 2018, 281, 35-42.	1.8	26
44	Biclustered Independent Component Analysis for Complex Biomarker and Subtype Identification from Structural Magnetic Resonance Images in Schizophrenia. <i>Frontiers in Psychiatry</i> , 2017, 8, 179.	2.6	25
45	Reward Processing in Novelty Seekers: A Transdiagnostic Psychiatric Imaging Biomarker. <i>Biological Psychiatry</i> , 2021, 90, 529-539.	1.3	25
46	A framework for linking resting-state connectome/genome features in schizophrenia: A pilot study. <i>NeuroImage</i> , 2019, 184, 843-854.	4.2	24
47	Neurite orientation dispersion and density imaging quantifies corticospinal tract microstructural organization in children with unilateral cerebral palsy. <i>Human Brain Mapping</i> , 2019, 40, 4888-4900.	3.6	23
48	Parallel group ICA+ICA: Joint estimation of linked functional network variability and structural covariation with application to schizophrenia. <i>Human Brain Mapping</i> , 2019, 40, 3795-3809.	3.6	23
49	Resting State Hypoconnectivity of Reward Networks in Binge Eating Disorder. <i>Cerebral Cortex</i> , 2021, 31, 2494-2504.	2.9	23
50	The psychosis human connectome project: An overview. <i>NeuroImage</i> , 2021, 241, 118439.	4.2	23
51	Weighted average of shared trajectory: A new estimator for dynamic functional connectivity efficiently estimates both rapid and slow changes over time. <i>Journal of Neuroscience Methods</i> , 2020, 334, 108600.	2.5	22
52	Dentate gyrus volume deficit in schizophrenia. <i>Psychological Medicine</i> , 2020, 50, 1267-1277.	4.5	20
53	Polygenic risk score, genome-wide association, and gene set analyses of cognitive domain deficits in schizophrenia. <i>Schizophrenia Research</i> , 2018, 201, 393-399.	2.0	19
54	Alexithymia is associated with neural reactivity to masked emotional faces in adolescents who self-harm. <i>Journal of Affective Disorders</i> , 2019, 249, 253-261.	4.1	19

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55	White Matter Microstructure in Adolescents and Young Adults With Non-Suicidal Self-Injury. <i>Frontiers in Psychiatry</i> , 2019, 10, 1019.	2.6	18
56	Characterizing Whole Brain Temporal Variation of Functional Connectivity via Zero and First Order Derivatives of Sliding Window Correlations. <i>Frontiers in Neuroscience</i> , 2019, 13, 634.	2.8	17
57	Hypoconnectivity of insular resting-state networks in adolescents with Autism Spectrum Disorder. <i>Psychiatry Research - Neuroimaging</i> , 2019, 283, 104-112.	1.8	16
58	Brain structural thickness and resting state autonomic function in adolescents with major depression. <i>Social Cognitive and Affective Neuroscience</i> , 2018, 13, 741-753.	3.0	15
59	Positive and general psychopathology associated with specific gray matter reductions in inferior temporal regions in patients with schizophrenia. <i>Schizophrenia Research</i> , 2019, 208, 242-249.	2.0	15
60	Sub-graph entropy based network approaches for classifying adolescent obsessive-compulsive disorder from resting-state functional MRI. <i>NeuroImage: Clinical</i> , 2020, 26, 102208.	2.7	15
61	Brain entropy and neurotrophic molecular markers accompanying clinical improvement after ketamine: Preliminary evidence in adolescents with treatment-resistant depression. <i>Journal of Psychopharmacology</i> , 2021, 35, 168-177.	4.0	15
62	Safety and Feasibility of Transcranial Magnetic Stimulation as an Exploratory Assessment of Corticospinal Connectivity in Infants After Perinatal Brain Injury: An Observational Study. <i>Physical Therapy</i> , 2019, 99, 689-700.	2.4	13
63	Neural correlates of clinical improvement in response to N-acetylcysteine in adolescents with non-suicidal self-injury. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2020, 99, 109778.	4.8	13
64	White matter measures correlate with essential tremor severityâ€”A pilot diffusion tensor imaging study. <i>Brain and Behavior</i> , 2018, 8, e01039.	2.2	12
65	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
66	Network topology changes in chronic mild traumatic brain injury (mTBI). <i>NeuroImage: Clinical</i> , 2021, 31, 102691.	2.7	12
67	Coordination between frontolimbic resting state connectivity and hypothalamicâ€”pituitaryâ€”adrenal axis functioning in adolescents with and without depression. <i>Psychoneuroendocrinology</i> , 2021, 125, 105123.	2.7	10
68	White matter microstructure relates to lassitude but not diagnosis in adolescents with depression. <i>Brain Imaging and Behavior</i> , 2020, 14, 1507-1520.	2.1	9
69	Neural and Behavioral Correlates of Clinical Improvement to Ketamine in Adolescents With Treatment Resistant Depression. <i>Frontiers in Psychiatry</i> , 2020, 11, 820.	2.6	9
70	Multimodal assessment of sustained threat in adolescents with nonsuicidal self-injury. <i>Development and Psychopathology</i> , 2021, 33, 1774-1792.	2.3	9
71	The resting-state causal human connectome is characterized by hub connectivity of executive and attentional networks. <i>NeuroImage</i> , 2022, 255, 119211.	4.2	9
72	Neurocircuitry associated with symptom dimensions at baseline and with change in borderline personality disorder. <i>Psychiatry Research - Neuroimaging</i> , 2019, 290, 58-65.	1.8	7

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73	Multi-model Order ICA: A Data-driven Method for Evaluating Brain Functional Network Connectivity Within and Between Multiple Spatial Scales. <i>Brain Connectivity</i> , 2021, , .	1.7	7
74	Reproducibility of blood oxygen levelâ€dependent signal changes with endâ€tidal carbon dioxide alterations. <i>Clinical Physiology and Functional Imaging</i> , 2017, 37, 794-798.	1.2	6
75	Covarying structural alterations in laterality of the temporal lobe in schizophrenia: A case for sourceâ€based laterality. <i>NMR in Biomedicine</i> , 2020, 33, e4294.	2.8	6
76	Effect of SSRIs on Resting-State Functional Brain Networks in Adolescents with Major Depressive Disorder. <i>Journal of Clinical Medicine</i> , 2021, 10, 4322.	2.4	6
77	Reply to: New Meta- and Mega-analyses of Magnetic Resonance Imaging Findings in Schizophrenia: Do They Really Increase Our Knowledge About the Nature of the Disease Process?. <i>Biological Psychiatry</i> , 2019, 85, e35-e39.	1.3	5
78	ENIGMAâ€+â€COINSTAC: Improving Findability, Accessibility, Interoperability, and Re-usability. <i>Neuroinformatics</i> , 2022, 20, 261-275.	2.8	5
79	Quantitative brain MRI morphology in severe and attenuated forms of mucopolysaccharidosis type I. <i>Molecular Genetics and Metabolism</i> , 2022, 135, 122-132.	1.1	5
80	Reproducibility of a ramping protocol to measure cerebral vascular reactivity using functional magnetic resonance imaging. <i>Clinical Physiology and Functional Imaging</i> , 2020, 40, 183-189.	1.2	3
81	Structural and Functional Neural Correlates of Treatment Response for Interpersonal Psychotherapy for Depressed Adolescents. <i>Journal of Clinical Medicine</i> , 2022, 11, 1878.	2.4	3
82	Brain Density Clustering Analysis: A New Approach to Brain Functional Dynamics. <i>Frontiers in Neuroscience</i> , 2021, 15, 621716.	2.8	2
83	Differential extrinsic brain network connectivity and social cognitive task-specific demands in Autism Spectrum Disorder (ASD). <i>Journal of Psychiatric Research</i> , 2022, 148, 230-239.	3.1	2
84	Path analysis: A method to estimate altered pathways in time-varying graphs of neuroimaging data. <i>Network Neuroscience</i> , 2022, 6, 634-664.	2.6	2
85	A method for building a genome-connectome bipartite graph model. <i>Journal of Neuroscience Methods</i> , 2019, 320, 64-71.	2.5	1
86	Identifying Biological Signatures of N-Acetylcysteine for Non-Suicidal Self-Injury in Adolescents and Young Adults. <i>Journal of Psychiatry and Brain Science</i> , 2021, 6, .	0.5	1
87	Neurobiological and Psychological Maintenance Mechanisms Associated with Anticipatory Reward in Bulimia Nervosa. <i>Journal of Psychiatry and Brain Science</i> , 2021, 6, .	0.5	1
88	N-of-1 Trial in Person with Pontine Stroke Receiving Repetitive Transcranial Magnetic Stimulation to Improve Hand Function. <i>Journal of Neuroimaging in Psychiatry &amp; Neurology</i> , 2017, 2, 36-42.	0.3	0