

Ryan L Muetzel

List of Publications by Year in descending order

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Version: 2024-02-01

111
papers

5,316
citations

87888

38
h-index

98798

67
g-index

118
all docs

118
docs citations

118
times ranked

8614
citing authors

#	ARTICLE	IF	CITATIONS
1	Cognitive performance in children and adolescents with psychopathology traits: A cross-sectional multicohort study in the general population. <i>Development and Psychopathology</i> , 2023, 35, 926-940.	2.3	12
2	Lateralization of Resting-State Networks in Children: Association with Age, Sex, Handedness, Intelligence Quotient, and Behavior. <i>Brain Connectivity</i> , 2022, 12, 246-259.	1.7	9
3	Genetic variants associated with longitudinal changes in brain structure across the lifespan. <i>Nature Neuroscience</i> , 2022, 25, 421-432.	14.8	75
4	Exposure to traffic-related air pollution and noise during pregnancy and childhood, and functional brain connectivity in preadolescents. <i>Environment International</i> , 2022, 164, 107275.	10.0	11
5	Hallucinations and Brain Morphology Across Early Adolescence: A Longitudinal Neuroimaging Study. <i>Biological Psychiatry</i> , 2022, 92, 781-790.	1.3	3
6	Connecting the dots: social networks in the classroom and white matter connections in the brain. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2022, 63, 1622-1630.	5.2	2
7	Air pollution exposure during pregnancy and childhood, cognitive function, and emotional and behavioral problems in adolescents. <i>Environmental Research</i> , 2022, 214, 113891.	7.5	10
8	Association of Poor Family Functioning From Pregnancy Onward With Preadolescent Behavior and Subcortical Brain Development. <i>JAMA Psychiatry</i> , 2021, 78, 29.	11.0	13
9	Brain Morphology Associated With Obsessive-Compulsive Symptoms in 2,551 Children From the General Population. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2021, 60, 470-478.	0.5	21
10	Air pollution exposure during pregnancy and childhood and brain morphology in preadolescents. <i>Environmental Research</i> , 2021, 198, 110446.	7.5	39
11	White matter microstructure correlates of age, sex, handedness and motor ability in a population-based sample of 3031 school-age children. <i>NeuroImage</i> , 2021, 227, 117643.	4.2	22
12	Association of Gestational Age at Birth With Brain Morphometry. <i>Obstetrical and Gynecological Survey</i> , 2021, 76, 67-68.	0.4	0
13	QDECR: A Flexible, Extensible Vertex-Wise Analysis Framework in R. <i>Frontiers in Neuroinformatics</i> , 2021, 15, 561689.	2.5	12
14	Brain morphology, autistic traits, and polygenic risk for autism: A population-based neuroimaging study. <i>Autism Research</i> , 2021, 14, 2085-2099.	3.8	12
15	Body fat, cardiovascular risk factors and brain structure in school-age children. <i>International Journal of Obesity</i> , 2021, 45, 2425-2431.	3.4	6
16	Alcohol use and brain morphology in adolescence: A longitudinal study in three different cohorts. <i>European Journal of Neuroscience</i> , 2021, 54, 6012-6026.	2.6	16
17	Developmental Changes in Dynamic Functional Connectivity From Childhood Into Adolescence. <i>Frontiers in Systems Neuroscience</i> , 2021, 15, 724805.	2.5	14
18	Patterns of Fetal and Infant Growth and Brain Morphology at Age 10 Years. <i>JAMA Network Open</i> , 2021, 4, e2138214.	5.9	9

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19	Is the brain involved in patients with late-onset Pompe disease?. Journal of Inherited Metabolic Disease, 2021, , .	3.6	3
20	Genetic factors associated with higher segregation of brain networks and cognition mediated by cardiovascular health: GWAS and Mendelian randomization analyses in the UK Biobank and Rotterdam Study.. Alzheimer's and Dementia, 2021, 17 Suppl 3, e053519.	0.8	0
21	Klotho gene polymorphism, brain structure and cognition in early-life development. Brain Imaging and Behavior, 2020, 14, 213-225.	2.1	5
22	Associations of physical activity and screen time with white matter microstructure in children from the general population. Neurolmage, 2020, 205, 116258.	4.2	28
23	A prospective population-based study of gestational vitamin D status and brain morphology in preadolescents. Neurolmage, 2020, 209, 116514.	4.2	9
24	Physical Activity, Sedentary Behavior, and White Matter Microstructure in Children with Overweight or Obesity. Medicine and Science in Sports and Exercise, 2020, 52, 1218-1226.	0.4	12
25	The Long-Term Association of Disorganized Attachment and Harsh Parenting With Brain Morphology: A Large Population-Based Study. Biological Psychiatry, 2020, 87, S3.	1.3	1
26	Association of Gestational Age at Birth With Brain Morphometry. JAMA Pediatrics, 2020, 174, 1149.	6.2	28
27	Population Neuroscience. Mental Health and Illness Worldwide, 2020, , 117-138.	0.1	1
28	Estimated whole-brain and lobe-specific radiofrequency electromagnetic fields doses and brain volumes in preadolescents. Environment International, 2020, 142, 105808.	10.0	11
29	Polygenic Multiple Sclerosis Risk and <sc>Population-Based</sc> Childhood Brain Imaging. Annals of Neurology, 2020, 87, 774-787.	5.3	12
30	Sleep and resting-state functional magnetic resonance imaging connectivity in middle-aged adults and the elderly: A population-based study. Journal of Sleep Research, 2020, 29, e12999.	3.2	8
31	Genetic Burden for Late-Life Neurodegenerative Disease and Its Association With Early-Life Lipids, Brain, Behavior, and Cognition. Frontiers in Psychiatry, 2020, 11, 33.	2.6	8
32	Cortical gyrfication in relation to age and cognition in older adults. Neurolmage, 2020, 212, 116637.	4.2	43
33	Exposure to Air Pollution during Pregnancy and Childhood, and White Matter Microstructure in Preadolescents. Environmental Health Perspectives, 2020, 128, 27005.	6.0	32
34	White Matter Microstructure and the General Psychopathology Factor in Children. Journal of the American Academy of Child and Adolescent Psychiatry, 2020, 59, 1285-1296.	0.5	31
35	Population Neuroscience. Mental Health and Illness Worldwide, 2020, , 1-22.	0.1	2
36	Structural Brain Connectivity in Childhood Disruptive Behavior Problems: A Multidimensional Approach. Biological Psychiatry, 2019, 85, 336-344.	1.3	19

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37	Polygenic Scores for Neuropsychiatric Traits and White Matter Microstructure in the Pediatric Population. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 243-250.	1.5	11
38	Childhood sleep disturbances and white matter microstructure in preadolescence. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2019, 60, 1242-1250.	5.2	15
39	Maternal thyroid function during pregnancy and child brain morphology: a time window-specific analysis of a prospective cohort. <i>Lancet Diabetes and Endocrinology</i> , 2019, 7, 629-637.	11.4	94
40	The prospective association of objectively measured sleep and cerebral white matter microstructure in middle-aged and older persons. <i>Sleep</i> , 2019, 42, .	1.1	18
41	Observed infant-parent attachment and brain morphology in middle childhood— A population-based study. <i>Developmental Cognitive Neuroscience</i> , 2019, 40, 100724.	4.0	19
42	Cavum Septum Pellucidum in the General Pediatric Population and Its Relation to Surrounding Brain Structure Volumes, Cognitive Function, and Emotional or Behavioral Problems. <i>American Journal of Neuroradiology</i> , 2019, 40, 340-346.	2.4	14
43	Patterns of functional connectivity in an aging population: The Rotterdam Study. <i>NeuroImage</i> , 2019, 189, 432-444.	4.2	114
44	16. Brain Imaging of ADHD Across the Lifespan — Results of the Largest Study Worldwide From the Enigma ADHD Working Group. <i>Biological Psychiatry</i> , 2019, 85, S6-S7.	1.3	3
45	Exposure to Maternal Depressive Symptoms in Fetal Life or Childhood and Offspring Brain Development: A Population-Based Imaging Study. <i>American Journal of Psychiatry</i> , 2019, 176, 702-710.	7.2	53
46	Brain Imaging of the Cortex in ADHD: A Coordinated Analysis of Large-Scale Clinical and Population-Based Samples. <i>American Journal of Psychiatry</i> , 2019, 176, 531-542.	7.2	261
47	Frequent Bullying Involvement and Brain Morphology in Children. <i>Frontiers in Psychiatry</i> , 2019, 10, 696.	2.6	46
48	Interaction of schizophrenia polygenic risk and cortisol level on pre-adolescent brain structure. <i>Psychoneuroendocrinology</i> , 2019, 101, 295-303.	2.7	16
49	Common Polygenic Variations for Psychiatric Disorders and Cognition in Relation to Brain Morphology in the General Pediatric Population. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2019, 58, 600-607.	0.5	40
50	Neural Profile of Callous Traits in Children: A Population-Based Neuroimaging Study. <i>Biological Psychiatry</i> , 2019, 85, 399-407.	1.3	14
51	Maternal prepregnancy body mass index and offspring white matter microstructure: results from three birth cohorts. <i>International Journal of Obesity</i> , 2019, 43, 1995-2006.	3.4	20
52	Prenatal folate, homocysteine and vitamin B ₁₂ levels and child brain volumes, cognitive development and psychological functioning: the Generation R Study. <i>British Journal of Nutrition</i> , 2019, 122, S1-S9.	2.3	75
53	Autistic traits and neuropsychological performance in 6- to-10-year-old children: a population-based study. <i>Child Neuropsychology</i> , 2019, 25, 352-369.	1.3	16
54	Genetic associations with childhood brain growth, defined in two longitudinal cohorts. <i>Genetic Epidemiology</i> , 2018, 42, 405-414.	1.3	11

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55	Connectivity dynamics in typical development and its relationship to autistic traits and autism spectrum disorder. <i>Human Brain Mapping</i> , 2018, 39, 3127-3142.	3.6	94
56	Air Pollution Exposure During Fetal Life, Brain Morphology, and Cognitive Function in School-Age Children. <i>Biological Psychiatry</i> , 2018, 84, 295-303.	1.3	159
57	Prenatal exposure to maternal and paternal depressive symptoms and white matter microstructure in children. <i>Depression and Anxiety</i> , 2018, 35, 321-329.	4.1	34
58	OP I " 5" Prenatal and postnatal exposure to air pollution and white matter microstructure in school-age children. , 2018, , .		0
59	A multicohort, longitudinal study of cerebellar development in attention deficit hyperactivity disorder. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2018, 59, 1114-1123.	5.2	34
60	Automated quality assessment of structural magnetic resonance images in children: Comparison with visual inspection and surface-based reconstruction. <i>Human Brain Mapping</i> , 2018, 39, 1218-1231.	3.6	51
61	Paediatric population neuroimaging and the Generation R Study: the second wave. <i>European Journal of Epidemiology</i> , 2018, 33, 99-125.	5.7	129
62	Neuroanatomical correlates of donating behavior in middle childhood. <i>Social Neuroscience</i> , 2018, 13, 541-552.	1.3	7
63	Tracking Brain Development and Dimensional Psychiatric Symptoms in Children: A Longitudinal Population-Based Neuroimaging Study. <i>American Journal of Psychiatry</i> , 2018, 175, 54-62.	7.2	104
64	P4"042: HIGH-DIMENSIONAL ANALYSIS OF RNA EXPRESSION WITH CORTICAL THICKNESS. <i>Alzheimer's and Dementia</i> , 2018, 14, P1449.	0.8	0
65	Genome-wide association study of 23,500 individuals identifies 7 loci associated with brain ventricular volume. <i>Nature Communications</i> , 2018, 9, 3945.	12.8	31
66	Differential patterns of age-related cortical and subcortical functional connectivity in 6- to 10 year old children: A connectome-wide association study. <i>Brain and Behavior</i> , 2018, 8, e01031.	2.2	12
67	T60. ADHD and the Cortex: Evidence From Large Clinical and Population Based Samples. <i>Biological Psychiatry</i> , 2018, 83, S152.	1.3	1
68	The Developmental Course of Sleep Disturbances Across Childhood Relates to Brain Morphology at Age 7: The Generation R Study. <i>Sleep</i> , 2017, 40, .	1.1	43
69	Insensitive parenting may accelerate the development of the amygdala-medial prefrontal cortex circuit. <i>Development and Psychopathology</i> , 2017, 29, 505-518.	2.3	79
70	Cortical Structures Associated With Sports Participation in Children: A Population-Based Study. <i>Developmental Neuropsychology</i> , 2017, 42, 58-69.	1.4	5
71	The honest truth about deception: Demographic, cognitive, and neural correlates of child repeated deceptive behavior. <i>Journal of Experimental Child Psychology</i> , 2017, 162, 225-241.	1.4	9
72	White matter microstructure in children with autistic traits. <i>Psychiatry Research - Neuroimaging</i> , 2017, 263, 127-134.	1.8	23

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73	Incidental Findings on Brain Imaging in the General Pediatric Population. <i>New England Journal of Medicine</i> , 2017, 377, 1593-1595.	27.0	83
74	Cognitive functioning in children with internalising, externalising and dysregulation problems: a population-based study. <i>European Child and Adolescent Psychiatry</i> , 2017, 26, 445-456.	4.7	38
75	Neurobiologic Correlates of Attention and Memory Deficits Following Critical Illness in Early Life*. <i>Critical Care Medicine</i> , 2017, 45, 1742-1750.	0.9	21
76	Neonatal critical illness and development: white matter and hippocampus alterations in school-age neonatal extracorporeal membrane oxygenation survivors. <i>Developmental Medicine and Child Neurology</i> , 2017, 59, 304-310.	2.1	28
77	Cortical morphology as a shared neurobiological substrate of attention-deficit/hyperactivity symptoms and executive functioning: a population-based pediatric neuroimaging study. <i>Journal of Psychiatry and Neuroscience</i> , 2017, 42, 103-112.	2.4	5
78	2.22 BRAIN MORPHOLOGY AND INTERNALIZING PROBLEMS IN YOUNG CHILDREN: A POPULATION-BASED STUDY. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2016, 55, S127-S128.	0.5	0
79	Novel genetic loci underlying human intracranial volume identified through genome-wide association. <i>Nature Neuroscience</i> , 2016, 19, 1569-1582.	14.8	213
80	No association between hair cortisol or cortisone and brain morphology in children. <i>Psychoneuroendocrinology</i> , 2016, 74, 101-110.	2.7	13
81	Resting-state networks in 6- to 10 year old children. <i>Human Brain Mapping</i> , 2016, 37, 4286-4300.	3.6	59
82	PRENATAL EXPOSURE TO MATERNAL AND PATERNAL DEPRESSIVE SYMPTOMS AND BRAIN MORPHOLOGY: A POPULATION-BASED PROSPECTIVE NEUROIMAGING STUDY IN YOUNG CHILDREN. <i>Depression and Anxiety</i> , 2016, 33, 658-666.	4.1	46
83	Maternal thyroid function and child IQ – Authors' reply. <i>Lancet Diabetes and Endocrinology</i> , 2016, 4, 18.	11.4	1
84	Association of maternal thyroid function during early pregnancy with offspring IQ and brain morphology in childhood: a population-based prospective cohort study. <i>Lancet Diabetes and Endocrinology</i> , 2016, 4, 35-43.	11.4	381
85	Cortical thickness and prosocial behavior in school-age children: A population-based MRI study. <i>Social Neuroscience</i> , 2015, 10, 571-582.	1.3	12
86	White matter integrity and cognitive performance in school-age children: A population-based neuroimaging study. <i>NeuroImage</i> , 2015, 119, 119-128.	4.2	74
87	Effects of reward sensitivity and regional brain volumes on substance use initiation in adolescence. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 106-113.	3.0	57
88	Cortical Morphology in 6- to 10-Year Old Children With Autistic Traits: A Population-Based Neuroimaging Study. <i>American Journal of Psychiatry</i> , 2015, 172, 479-486.	7.2	69
89	Time of Acquisition and Network Stability in Pediatric Resting-State Functional Magnetic Resonance Imaging. <i>Brain Connectivity</i> , 2014, 4, 417-427.	1.7	30
90	Pubertal status associations with reward and threat sensitivities and subcortical brain volumes during adolescence. <i>Brain and Cognition</i> , 2014, 89, 15-26.	1.8	45

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91	In vivo 1H magnetic resonance spectroscopy in young-adult daily marijuana users. <i>NeuroImage: Clinical</i> , 2013, 2, 581-589.	2.7	42
92	Diffusion tensor imaging reveals widespread white matter abnormalities in children and adolescents with myotonic dystrophy type 1. <i>Journal of Neurology</i> , 2013, 260, 1122-1131.	3.6	40
93	Associations between cortical thickness and general intelligence in children, adolescents and young adults. <i>Intelligence</i> , 2013, 41, 597-606.	3.0	90
94	Effects of alcohol use initiation on brain structure in typically developing adolescents. <i>American Journal of Drug and Alcohol Abuse</i> , 2013, 39, 345-355.	2.1	112
95	Global Functional Connectivity Abnormalities in Children with Fetal Alcohol Spectrum Disorders. <i>Alcoholism: Clinical and Experimental Research</i> , 2013, 37, 748-756.	2.4	82
96	Longitudinal changes in behavioral approach system sensitivity and brain structures involved in reward processing during adolescence.. <i>Developmental Psychology</i> , 2012, 48, 1488-1500.	1.6	165
97	Cerebral and muscle MRI abnormalities in myotonic dystrophy. <i>Neuromuscular Disorders</i> , 2012, 22, 483-491.	0.6	52
98	Associations between cortical thickness and verbal fluency in childhood, adolescence, and young adulthood. <i>NeuroImage</i> , 2011, 55, 1865-1877.	4.2	56
99	Inter-Hemispheric Functional Connectivity Disruption in Children With Prenatal Alcohol Exposure. <i>Alcoholism: Clinical and Experimental Research</i> , 2011, 35, 849-861.	2.4	53
100	What Does Diffusion Tensor Imaging Reveal About the Brain and Cognition in Fetal Alcohol Spectrum Disorders?. <i>Neuropsychology Review</i> , 2011, 21, 133-147.	4.9	96
101	High Connectivity Between Reduced Cortical Thickness and Disrupted White Matter Tracts in Long-Standing Type 1 Diabetes. <i>Diabetes</i> , 2011, 60, 315-319.	0.6	61
102	Online orientation distribution function reconstruction in constant solid angle and its application to motion detection in HARDI. , 2010, , .		2
103	Altered White Matter Microstructure in Adolescents With Major Depression: A Preliminary Study. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2010, 49, 173-183.e1.	0.5	19
104	Altered White Matter Microstructure in Adolescents With Major Depression: A Preliminary Study. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2010, 49, 173-183.e1.	0.5	191
105	Microstructural Corpus Callosum Anomalies in Children With Prenatal Alcohol Exposure: An Extension of Previous Diffusion Tensor Imaging Findings. <i>Alcoholism: Clinical and Experimental Research</i> , 2009, 33, 1825-1835.	2.4	111
106	White Matter Integrity Predicts Delay Discounting Behavior in 9- to 23-Year-Olds: A Diffusion Tensor Imaging Study. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 1406-1421.	2.3	167
107	White matter and neurocognitive changes in adults with chronic traumatic brain injury. <i>Journal of the International Neuropsychological Society</i> , 2009, 15, 130-136.	1.8	73
108	The development of corpus callosum microstructure and associations with bimanual task performance in healthy adolescents. <i>NeuroImage</i> , 2008, 39, 1918-1925.	4.2	145

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109	Neurocognitive and neuroimaging correlates of pediatric traumatic brain injury: A diffusion tensor imaging (DTI) study. Archives of Clinical Neuropsychology, 2007, 22, 555-568.	0.5	256
110	Diffusion Tensor Imaging in Children with Fetal Alcohol Spectrum Disorders. Alcoholism: Clinical and Experimental Research, 2006, 30, 1799-1806.	2.4	114
111	Long-term associations between early-life family functioning and preadolescent white matter microstructure. Psychological Medicine, 0, , 1-11.	4.5	1