Marie Schaer

List of Publications by Year
in descending order

98 papers	5,207 citations	109321 35 h-index	106344 65 g-index
112 all docs	112 docs citations	112 times ranked	7015 citing authors

#	Article	IF	Citations
1	MRIQC: Advancing the automatic prediction of image quality in MRI from unseen sites. PLoS ONE, 2017, 12, e0184661.	2.5	538
2	A Surface-Based Approach to Quantify Local Cortical Gyrification. IEEE Transactions on Medical Imaging, 2008, 27, 161-170.	8.9	470
3	Degrees of separation: A quantitative neuroimaging meta-analysis investigating self-specificity and shared neural activation between self- and other-reflection. Neuroscience and Biobehavioral Reviews, 2012, 36, 1043-1059.	6.1	307
4	Decreased Anterior Cingulate Volume in Combat-Related PTSD. Biological Psychiatry, 2006, 59, 582-587.	1.3	230
5	The Default Mode Network in Autism. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2017, 2, 476-486.	1.5	201
6	Cortical Thickness, Surface Area, and Gyrification Abnormalities in Children Exposed to Maltreatment: Neural Markers of Vulnerability?. Biological Psychiatry, 2013, 74, 845-852.	1.3	184
7	Sex differences in thickness, and folding developments throughout the cortex. NeuroImage, 2013, 82, 200-207.	4.2	182
8	Decreased frontal gyrification correlates with altered connectivity in children with autism. Frontiers in Human Neuroscience, 2013, 7, 750.	2.0	127
9	Genes, brain development and psychiatric phenotypes in veloâ€cardioâ€facial syndrome. Developmental Disabilities Research Reviews, 2008, 14, 59-68.	2.9	114
10	Deviant trajectories of cortical maturation in 22q11.2 deletion syndrome (22q11DS): A cross-sectional and longitudinal study. Schizophrenia Research, 2009, 115, 182-190.	2.0	112
11	Risk Factors and the Evolution of Psychosis in 22q11.2 Deletion Syndrome: A Longitudinal 2-Site Study. Journal of the American Academy of Child and Adolescent Psychiatry, 2013, 52, 1192-1203.e3.	0.5	108
12	How to Measure Cortical Folding from MR Images: a Step-by-Step Tutorial to Compute Local Gyrification Index. Journal of Visualized Experiments, 2012, , e3417.	0.3	95
13	Smaller Global and Regional Cortical Volume in Combat-Related Posttraumatic Stress Disorder. Archives of General Psychiatry, 2009, 66, 1373.	12.3	86
14	Sex differences in cortical volume and gyrification in autism. Molecular Autism, 2015, 6, 42.	4.9	75
15	Deficits in mesolimbic reward pathway underlie social interaction impairments in children with autism. Brain, 2018, 141, 2795-2805.	7.6	73
16	Prefrontal Plasticity and Stress Inoculation-Induced Resilience. Developmental Neuroscience, 2009, 31, 293-299.	2.0	72
17	Sensory Processing Issues and Their Association with Social Difficulties in Children with Autism Spectrum Disorders. Journal of Clinical Medicine, 2019, 8, 1508.	2.4	72
18	Abnormal patterns of cortical gyrification in velo-cardio-facial syndrome (deletion 22q11.2): An MRI study. Psychiatry Research - Neuroimaging, 2006, 146, 1-11.	1.8	68

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19	Graph theory reveals dysconnected hubs in 22q11DS and altered nodal efficiency in patients with hallucinations. Frontiers in Human Neuroscience, 2013, 7, 402.	2.0	67
20	Reduced brain cortical folding in schizophrenia revealed in two independent samples. Schizophrenia Research, 2014, 152, 333-338.	2.0	65
21	Hippocampal volume reduction in 22q11.2 deletion syndrome. Neuropsychologia, 2006, 44, 2360-2365.	1.6	62
22	Clinical and cognitive risk factors for psychotic symptoms in 22q11.2 deletion syndrome: a transversal and longitudinal approach. European Child and Adolescent Psychiatry, 2014, 23, 425-436.	4.7	62
23	Disentangling resting-state BOLD variability and PCC functional connectivity in 22q11.2 deletion syndrome. NeuroImage, 2017, 149, 85-97.	4.2	62
24	Developmental trajectories of executive functions in 22q11.2 deletion syndrome. Journal of Neurodevelopmental Disorders, 2016, 8, 10.	3.1	60
25	Congenital heart disease affects local gyrification in 22q11.2 deletion syndrome. Developmental Medicine and Child Neurology, 2009, 51, 746-753.	2.1	58
26	Positive psychotic symptoms are associated with divergent developmental trajectories of hippocampal volume during late adolescence in patients with 22q11DS. Molecular Psychiatry, 2020, 25, 2844-2859.	7.9	51
27	Structural and functional connectivity in the default mode network in 22q11.2 deletion syndrome. Journal of Neurodevelopmental Disorders, 2015, 7, 23.	3.1	47
28	Subthreshold Psychosis in 22q11.2 Deletion Syndrome: Multisite Naturalistic Study. Schizophrenia Bulletin, 2017, 43, 1079-1089.	4.3	47
29	Social orienting and joint attention in preschoolers with autism spectrum disorders. PLoS ONE, 2017, 12, e0178859.	2.5	47
30	A Longitudinal Study of Local Gyrification Index in Young Boys With Autism Spectrum Disorder. Cerebral Cortex, 2019, 29, 2575-2587.	2.9	47
31	Cingulate gyral reductions are related to low executive functioning and psychotic symptoms in 22q11.2 deletion syndrome. Neuropsychologia, 2008, 46, 2986-2992.	1.6	46
32	Early alterations of social brain networks in young children with autism. ELife, 2018, 7, .	6.0	46
33	Cortical folding in Broca's area relates to obstetric complications in schizophrenia patients and healthy controls. Psychological Medicine, 2012, 42, 1329-1337.	4.5	45
34	Early Adaptive Functioning Trajectories in Preschoolers With Autism Spectrum Disorders. Journal of Pediatric Psychology, 2018, 43, 800-813.	2.1	45
35	Reduced Fronto-Temporal and Limbic Connectivity in the 22q11.2 Deletion Syndrome: Vulnerability Markers for Developing Schizophrenia?. PLoS ONE, 2013, 8, e58429.	2.5	44
36	Aberrant Development of Speech Processing in Young Children with Autism: New Insights from Neuroimaging Biomarkers. Frontiers in Neuroscience, 2016, 10, 393.	2.8	38

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37	Long-range dysconnectivity in frontal and midline structures is associated to psychosis in 22q11.2 deletion syndrome. Journal of Neural Transmission, 2016, 123, 823-839.	2.8	38
38	Hippocampal volume and declarative memory function in combat-related PTSD. Journal of the International Neuropsychological Society, 2009, 15, 830-839.	1.8	36
39	Large-Scale Brain Network Dynamics Provide a Measure of Psychosis and Anxiety in 22q11.2 Deletion Syndrome. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 881-892.	1.5	35
40	Using 2D video-based pose estimation for automated prediction of autism spectrum disorders in young children. Scientific Reports, 2021, 11, 15069.	3.3	35
41	Identifying 22q11.2 Deletion Syndrome and Psychosis Using Resting-State Connectivity Patterns. Brain Topography, 2014, 27, 808-821.	1.8	34
42	Brief Report: A Preference for Biological Motion Predicts a Reduction in Symptom Severity 1 Year Later in Preschoolers with Autism Spectrum Disorders. Frontiers in Psychiatry, 2016, 7, 143.	2.6	34
43	Abnormal spindle-like microcephaly-associated (ASPM) mutations strongly disrupt neocortical structure but spare the hippocampus and long-term memory. Cortex, 2016, 74, 158-176.	2.4	32
44	Adolescence is the starting point of sex-dichotomous COMT genetic effects. Translational Psychiatry, 2017, 7, e1141-e1141.	4.8	32
45	Right anterior cingulate cortical volume covaries with respiratory sinus arrhythmia magnitude in combat veterans. Journal of Rehabilitation Research and Development, 2008, 45, 451-464.	1.6	31
46	Catechol-O-Methyltransferase Val158Met Polymorphism Moderates Anterior Cingulate Volume in Posttraumatic Stress Disorder. Biological Psychiatry, 2011, 70, 1091-1096.	1.3	31
47	Robust Recovery of Temporal Overlap Between Network Activity Using Transient-Informed Spatio-Temporal Regression. IEEE Transactions on Medical Imaging, 2019, 38, 291-302.	8.9	30
48	Coping Strategies Mediate the Effect of Stressful Life Events on Schizotypal Traits and Psychotic Symptoms in 22q11.2 Deletion Syndrome. Schizophrenia Bulletin, 2018, 44, S525-S535.	4.3	29
49	Predictors of Treatment Outcome in Preschoolers with Autism Spectrum Disorder: An Observational Study in the Greater Geneva Area, Switzerland. Journal of Autism and Developmental Disorders, 2020, 50, 3815-3830.	2.7	29
50	From Genes to Brain: Understanding Brain Development in Neurogenetic Disorders Using Neuroimaging Techniques. Child and Adolescent Psychiatric Clinics of North America, 2007, 16, 557-579.	1.9	28
51	The effect of emotional intensity on responses to joint attention in preschoolers with an autism spectrum disorder. Research in Autism Spectrum Disorders, 2017, 35, 13-24.	1.5	28
52	Regional cortical volumes and congenital heart disease: a MRI study in 22q11.2 deletion syndrome. Journal of Neurodevelopmental Disorders, 2010, 2, 224-234.	3.1	27
53	Structural changes to the fusiform gyrus: A cerebral marker for social impairments in 22q11.2 deletion syndrome?. Schizophrenia Research, 2007, 96, 82-86.	2.0	26
54	Initiation of joint attention and related visual attention processes in infants with autism spectrum disorder: Literature review. Child Neuropsychology, 2019, 25, 287-317.	1.3	25

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55	Hippocampal volume reduction in chromosome 22q11.2 deletion syndrome (22q11.2DS): A longitudinal study of morphometry and symptomatology. Psychiatry Research - Neuroimaging, 2012, 203, 1-5.	1.8	22
56	Abnormal Development and Dysconnectivity of Distinct Thalamic Nuclei in Patients With 22q11.2 Deletion Syndrome Experiencing Auditory Hallucinations. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 875-890.	1.5	21
57	Early alterations of large-scale brain networks temporal dynamics in young children with autism. Communications Biology, 2021, 4, 968.	4.4	21
58	Large-scale functional network reorganization in 22q11.2 deletion syndrome revealed by modularity analysis. Cortex, 2016, 82, 86-99.	2.4	20
59	Psychotic symptoms influence the development of anterior cingulate BOLD variability in 22q11.2 deletion syndrome. Schizophrenia Research, 2018, 193, 319-328.	2.0	20
60	Early adversity and combat exposure interact to influence anterior cingulate cortex volume in combat veterans. NeuroImage: Clinical, 2013, 2, 670-674.	2.7	19
61	An affected core drives network integration deficits of the structural connectome in 22q11.2 deletion syndrome. NeuroImage: Clinical, 2016, 10, 239-249.	2.7	19
62	Cortical Dysconnectivity Measured by Structural Covariance Is Associated With the Presence of Psychotic Symptoms in 22q11.2 Deletion Syndrome. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2018, 3, 433-442.	1.5	19
63	Cortical morphometry in narcolepsy with cataplexy. Journal of Sleep Research, 2012, 21, 487-494.	3.2	18
64	Altered structural network architecture is predictive of the presence of psychotic symptoms in patients with 22q11.2 deletion syndrome. NeuroImage: Clinical, 2017, 16, 142-150.	2.7	18
65	The brain-structural correlates of mathematical expertise. Cortex, 2019, 114, 140-150.	2.4	18
66	Structural control energy of restingâ€state functional brain states reveals less costâ€effective brain dynamics in psychosis vulnerability. Human Brain Mapping, 2021, 42, 2181-2200.	3.6	18
67	Multimodal investigation of triple network connectivity in patients with 22q11<scp>DS</scp> and association with executive functions. Human Brain Mapping, 2017, 38, 2177-2189.	3.6	17
68	Congenital heart disease is associated with reduced cortical and hippocampal volume in patients with 22q11.2 deletion syndrome. Cortex, 2014, 57, 128-142.	2.4	16
69	Visual processing of emotional dynamic faces in 22q11.2 deletion syndrome. Journal of Intellectual Disability Research, 2016, 60, 308-321.	2.0	16
70	Cortical Alterations in Medicationâ€Overuse Headache. Headache, 2017, 57, 255-265.	3.9	16
71	Development of Structural Covariance From Childhood to Adolescence: A Longitudinal Study in 22q11.2DS. Frontiers in Neuroscience, 2018, 12, 327.	2.8	16
72	A Mini Review on the Contribution of the Anterior Cingulate Cortex in the Risk of Psychosis in 22q11.2 Deletion Syndrome. Frontiers in Psychiatry, 2018, 9, 372.	2.6	15

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73	Pituitary dysmaturation affects psychopathology and neurodevelopment in 22q11.2 Deletion Syndrome. Psychoneuroendocrinology, 2020, 113, 104540.	2.7	15
74	Visual memory profile in 22q11.2 microdeletion syndrome: are there differences in performance and neurobiological substrates between tasks linked to ventral and dorsal visual brain structures? A cross-sectional and longitudinal study. Journal of Neurodevelopmental Disorders, 2016, 8, 41.	3.1	14
75	Cortical morphology development in patients with 22q11.2 deletion syndrome at ultra-high risk of psychosis. Psychological Medicine, 2018, 48, 2375-2383.	4.5	13
76	Neural Processing of Dynamic Animated Social Interactions in Young Children With Autism Spectrum Disorder: A High-Density Electroencephalography Study. Frontiers in Psychiatry, 2019, 10, 582.	2.6	13
77	Altered cortical thickness development in 22q11.2 deletion syndrome and association with psychotic symptoms. Molecular Psychiatry, 2021, 26, 7671-7678.	7.9	13
78	Attention to Face as a Predictor of Developmental Change and Treatment Outcome in Young Children with Autism Spectrum Disorder. Biomedicines, 2021, 9, 942.	3.2	13
79	Trajectories of imitation skills in preschoolers with autism spectrum disorders. Journal of Neurodevelopmental Disorders, 2022, 14, 2.	3.1	13
80	Developmental trajectories of subcortical structures in relation to dimensional schizotypy expression along adolescence. Schizophrenia Research, 2020, 218, 76-84.	2.0	11
81	Morphological brain changes associated with negative symptoms in patients with 22q11.2 Deletion Syndrome. Schizophrenia Research, 2017, 188, 52-58.	2.0	10
82	Automatic brain extraction in fetal MRI using multi-atlas-based segmentation. Proceedings of SPIE, 2015, , .	0.8	9
83	Favorable effects of omega-3 polyunsaturated fatty acids in attentional control and conversion rate to psychosis in 22q11.2 deletion syndrome. Neuropharmacology, 2020, 168, 107995.	4.1	9
84	Latest findings in autism research: how do they support the importance of early diagnosis and immediate intervention?. Swiss Archives of Neurology, Psychiatry and Psychotherapy, 2014, 165, 277-289.	0.0	9
85	Face processing in 22q11.2 deletion syndrome: atypical development and visual scanning alterations. Journal of Neurodevelopmental Disorders, 2018, 10, 26.	3.1	8
86	Developmental Trajectories of Cortical Thickness in Relation to Schizotypy During Adolescence. Schizophrenia Bulletin, 2020, 46, 1306-1316.	4.3	8
87	Impact of the Early Start Denver Model on the cognitive level of children with autism spectrum disorder: study protocol for a randomised controlled trial using a two-stage Zelen design. BMJ Open, 2017, 7, e014730.	1.9	7
88	Quantifying indices of short- and long-range white matter connectivity at each cortical vertex. PLoS ONE, 2017, 12, e0187493.	2.5	7
89	Long-term effects of early treatment with SSRIs on cognition and brain development in individuals with 22q11.2 deletion syndrome. Translational Psychiatry, 2021, 11, 336.	4.8	7
90	Distinct Patterns of Cognitive Outcome in Young Children With Autism Spectrum Disorder Receiving the Early Start Denver Model. Frontiers in Psychiatry, 0, 13, .	2.6	7

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91	Implication of reward alterations in the expression of negative symptoms in 22q11.2 deletion syndrome: a behavioural and DTI study. Psychological Medicine, 2017, 47, 1442-1453.	4.5	6
92	Salivary Cortisol and Regional Brain Volumes Among Veterans With and Without Posttraumatic Stress Disorder. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2017, 2, 372-379.	1.5	6
93	Identifying neurodevelopmental anomalies of white matter microstructure associated with high risk for psychosis in 22q11.2DS. Translational Psychiatry, 2020, 10, 408.	4.8	6
94	Emotional vs. Neutral Face Exploration and Habituation: An Eye-Tracking Study of Preschoolers With Autism Spectrum Disorders. Frontiers in Psychiatry, 2020, 11, 568997.	2.6	5
95	Altered Gray-White Matter Boundary Contrast in Toddlers at Risk for Autism Relates to Later Diagnosis of Autism Spectrum Disorder. Frontiers in Neuroscience, 2021, 15, 669194.	2.8	5
96	Measuring the Emergence of Specific Abilities in Young Children with Autism Spectrum Disorders: The Example of Early Hyperlexic Traits. Brain Sciences, 2021, 11, 692.	2.3	4
97	Le diagnostic prÃ©coce des troubles du spectre autistique (TSA)Â: contribution des Ã©tudes sur lâ€™orientation sociale et lâ€™attention conjointe. Devenir, 2016, Vol. 28, 177-190.	0.2	2
98	Heterozygous variants in CTR9, which encodes a major component of the PAF1 complex, are associated with a neurodevelopmental disorder. Genetics in Medicine, 2022, , .	2.4	1