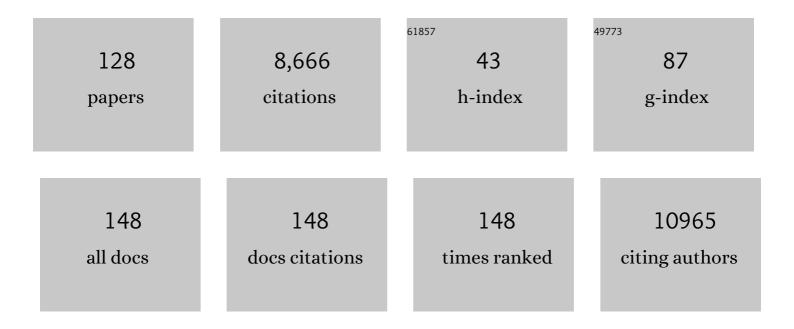
## Marc L Seal

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Cortical Brain Abnormalities in 4474 Individuals With Schizophrenia and 5098 Control Subjects via the Enhancing Neuro Imaging Genetics Through Meta Analysis (ENIGMA) Consortium. Biological Psychiatry, 2018, 84, 644-654.	0.7	627
2	Opposite Effects of Δ-9-Tetrahydrocannabinol and Cannabidiol on Human Brain Function and Psychopathology. Neuropsychopharmacology, 2010, 35, 764-774.	2.8	595
3	Widespread white matter microstructural differences in schizophrenia across 4322 individuals: results from the ENIGMA Schizophrenia DTI Working Group. Molecular Psychiatry, 2018, 23, 1261-1269.	4.1	522
4	Distinct Effects of Δ9-Tetrahydrocannabinol and Cannabidiol on Neural Activation During Emotional Processing. Archives of General Psychiatry, 2009, 66, 95.	13.8	412
5	Disrupted Axonal Fiber Connectivity in Schizophrenia. Biological Psychiatry, 2011, 69, 80-89.	0.7	404
6	Neuroanatomical abnormalities in schizophrenia: A multimodal voxelwise meta-analysis and meta-regression analysis. Schizophrenia Research, 2011, 127, 46-57.	1.1	394
7	Effect of long-term cannabis use on axonal fibre connectivity. Brain, 2012, 135, 2245-2255.	3.7	259
8	Evidence of a dimensional relationship between schizotypy and schizophrenia: A systematic review. Neuroscience and Biobehavioral Reviews, 2013, 37, 317-327.	2.9	255
9	Modulation of Mediotemporal and Ventrostriatal Function in Humans by Δ9-Tetrahydrocannabinol. Archives of General Psychiatry, 2009, 66, 442.	13.8	226
10	Acute Effects of a Single, Oral dose of d9-tetrahydrocannabinol (THC) and Cannabidiol (CBD) Administration in Healthy Volunteers. Current Pharmaceutical Design, 2012, 18, 4966-4979.	0.9	225
11	Induction of Psychosis byl "9-Tetrahydrocannabinol Reflects Modulation of Prefrontal and Striatal Function During Attentional Salience Processing. Archives of General Psychiatry, 2012, 69, 27.	13.8	193
12	Neuroimaging in cannabis use: a systematic review of the literature. Psychological Medicine, 2010, 40, 383-398.	2.7	189
13	Compelling imagery, unanticipated speech and deceptive memory: Neurocognitive models of auditory verbal hallucinations in schizophrenia. Cognitive Neuropsychiatry, 2004, 9, 43-72.	0.7	188
14	Neural Basis of Δ-9-Tetrahydrocannabinol and Cannabidiol: Effects During Response Inhibition. Biological Psychiatry, 2008, 64, 966-973.	0.7	179
15	A functional MRI study of working memory task in euthymic bipolar disorder: evidence for task-specific dysfunction. Bipolar Disorders, 2004, 6, 550-564.	1.1	161
16	Increased power by harmonizing structural MRI site differences with the ComBat batch adjustment method in ENIGMA. NeuroImage, 2020, 218, 116956.	2.1	135
17	Modulation of effective connectivity during emotional processing by Δ9-tetrahydrocannabinol and cannabidiol. International Journal of Neuropsychopharmacology, 2010, 13, 421.	1.0	134
18	Modulation of Auditory and Visual Processing by Delta-9-Tetrahydrocannabinol and Cannabidiol: an fMRI Study. Neuropsychopharmacology, 2011, 36, 1340-1348.	2.8	126

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19	Cortical activation associated with the experience of auditory hallucinations and perception of human speech in schizophrenia: a PET correlation study. Psychiatry Research - Neuroimaging, 2003, 122, 139-152.	0.9	124
20	Abnormal white matter microstructure in schizophrenia: A voxelwise analysis of axial and radial diffusivity. Schizophrenia Research, 2008, 101, 106-110.	1.1	111
21	Hippocampal pathology in individuals at ultra-high risk for psychosis: A multi-modal magnetic resonance study. NeuroImage, 2010, 52, 62-68.	2.1	111
22	Functional Connectivity in Brain Networks Underlying Cognitive Control in Chronic Cannabis Users. Neuropsychopharmacology, 2012, 37, 1923-1933.	2.8	98
23	An Event Related Functional Magnetic Resonance Imaging Study of Facial Emotion Processing in Asperger Syndrome. Biological Psychiatry, 2007, 62, 207-217.	0.7	97
24	White and gray matter alterations in adults with Niemann-Pick disease type C. Neurology, 2010, 75, 49-56.	1.5	97
25	Neonatal Brain Tissue Classification with Morphological Adaptation and Unified Segmentation. Frontiers in Neuroinformatics, 2016, 10, 12.	1.3	84
26	The functional anatomy of divided attention in amnestic mild cognitive impairment. Brain, 2005, 128, 1418-1427.	3.7	83
27	A new neonatal cortical and subcortical brain atlas: the Melbourne Children's Regional Infant Brain (M-CRIB) atlas. NeuroImage, 2017, 147, 841-851.	2.1	74
28	Altered Prefrontal and Hippocampal Function During Verbal Encoding and Recognition in People With Prodromal Symptoms of Psychosis. Schizophrenia Bulletin, 2011, 37, 746-756.	2.3	71
29	Abnormal Relationship Between Medial Temporal Lobe and Subcortical Dopamine Function in People With an Ultra High Risk for Psychosis. Schizophrenia Bulletin, 2012, 38, 1040-1049.	2.3	71
30	Altered structural connectivity in ADHD: a network based analysis. Brain Imaging and Behavior, 2017, 11, 846-858.	1.1	70
31	Contribution of Brain Size to IQ and Educational Underperformance in Extremely Preterm Adolescents. PLoS ONE, 2013, 8, e77475.	1.1	70
32	Moderate and late preterm infants exhibit widespread brain white matter microstructure alterations at term-equivalent age relative to term-born controls. Brain Imaging and Behavior, 2016, 10, 41-49.	1.1	66
33	Development of white matter fibre density and morphology over childhood: A longitudinal fixel-based analysis. NeuroImage, 2018, 183, 666-676.	2.1	66
34	Longitudinal Trajectories of Depression Symptoms in Adolescence: Psychosocial Risk Factors and Outcomes. Child Psychiatry and Human Development, 2017, 48, 554-571.	1.1	64
35	Altered Medial Temporal Activation Related to Local Glutamate Levels in Subjects with Prodromal Signs of Psychosis. Biological Psychiatry, 2011, 69, 97-99.	0.7	59
36	Neurobehaviour between birth and 40Âweeks' gestation in infants born <30Âweeks' gestation and parental psychological wellbeing: predictors of brain development and child outcomes. BMC Pediatrics, 2014, 14, 111.	0.7	59

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37	Development of brain networks and relevance of environmental and genetic factors: A systematic review. Neuroscience and Biobehavioral Reviews, 2016, 71, 215-239.	2.9	59
38	Structural connectivity relates to perinatal factors and functional impairment at 7 years in children born very preterm. Neurolmage, 2016, 134, 328-337.	2.1	58
39	Early life predictors of brain development at term-equivalent age in infants born across the gestational age spectrum. NeuroImage, 2019, 185, 813-824.	2.1	58
40	Deficits in Source Monitoring in Subjects with Auditory Hallucinations May be Due to Differences in Verbal Intelligence and Verbal Memory. Cognitive Neuropsychiatry, 1997, 2, 273-290.	0.7	53
41	Associations between early adrenarche, affective brain function and mental health in children. Social Cognitive and Affective Neuroscience, 2015, 10, 1282-1290.	1.5	52
42	Cannabis affects people differently: inter-subject variation in the psychotogenic effects of Δ <sup>9</sup> -tetrahydrocannabinol: a functional magnetic resonance imaging study with healthy volunteers. Psychological Medicine, 2013, 43, 1255-1267.	2.7	51
43	Age, sex, and puberty related development of the corpus callosum: a multi-technique diffusion MRI study. Brain Structure and Function, 2018, 223, 2753-2765.	1.2	50
44	An fMRI study of verbal episodic memory encoding in amnestic mild cognitive impairment. Cortex, 2008, 44, 869-880.	1.1	47
45	White matter alterations at pubertal onset. NeuroImage, 2017, 156, 286-292.	2.1	47
46	Changes in neonatal regional brain volume associated with preterm birth and perinatal factors. Neurolmage, 2019, 185, 654-663.	2.1	45
47	The Influence of Maternal Parenting Style on the Neural Correlates of Emotion Processing in Children. Journal of the American Academy of Child and Adolescent Psychiatry, 2020, 59, 274-282.	0.3	44
48	Tracking regional brain growth up to age 13 in children born term and very preterm. Nature Communications, 2020, 11, 696.	5.8	40
49	Prevalence and length of the adhesio interthalamica in schizophrenia spectrum disorders. Psychiatry Research - Neuroimaging, 2008, 164, 90-94.	0.9	38
50	Brain extraction using the watershed transform from markers. Frontiers in Neuroinformatics, 2013, 7, 32.	1.3	36
51	The nature of abnormal language processing in euthymic bipolar I disorder: evidence for a relationship between task demand and prefrontal function. Bipolar Disorders, 2007, 9, 358-369.	1.1	35
52	Characterisation of brain volume and microstructure at term-equivalent age in infants born across the gestational age spectrum. NeuroImage: Clinical, 2019, 21, 101630.	1.4	35
53	Neonatal brain abnormalities associated with autism spectrum disorder in children born very preterm. Autism Research, 2016, 9, 543-552.	2.1	34
54	A longitudinal analysis of pubertyâ€related cortical development. NeuroImage, 2021, 228, 117684.	2.1	34

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55	Preventing academic difficulties in preterm children: a randomised controlled trial of an adaptive working memory training intervention – IMPRINT study. BMC Pediatrics, 2013, 13, 144.	0.7	33
56	Long-Term Academic Functioning Following Cogmed Working Memory Training for Children Born Extremely Preterm: A Randomized Controlled Trial. Journal of Pediatrics, 2018, 202, 92-97.e4.	0.9	32
57	Study protocol: Imaging brain development in the Childhood to Adolescence Transition Study (iCATS). BMC Pediatrics, 2014, 14, 115.	0.7	31
58	The relationship between cognitive and neuroimaging outcomes in children treated for acute lymphoblastic leukemia with chemotherapy only: A systematic review. Pediatric Blood and Cancer, 2017, 64, 225-233.	0.8	31
59	Parcellation of the neonatal cortex using Surface-based Melbourne Children's Regional Infant Brain atlases (M-CRIB-S). Scientific Reports, 2020, 10, 4359.	1.6	31
60	The Relationship of Developmental Changes in White Matter to the Onset of Psychosis. Current Pharmaceutical Design, 2012, 18, 422-433.	0.9	30
61	White matter abnormalities in pediatric obsessive-compulsive disorder. Psychiatry Research - Neuroimaging, 2013, 213, 154-160.	0.9	30
62	Autism spectrum disorders: Neuroimaging findings from systematic reviews. Research in Autism Spectrum Disorders, 2017, 34, 28-33.	0.8	30
63	Individual variation underlying brain age estimates in typical development. NeuroImage, 2021, 235, 118036.	2.1	30
64	Identifying Individuals at High Risk of Psychosis: Predictive Utility of Support Vector Machine using Structural and Functional MRI Data. Frontiers in Psychiatry, 2016, 7, 52.	1.3	29
65	An Investigation of the Relationship Between Cortical Connectivity and Schizotypy in the General Population. Journal of Nervous and Mental Disease, 2011, 199, 348-353.	0.5	28
66	Grey and white matter abnormalities are associated with impaired spatial working memory ability in first-episode schizophrenia. Schizophrenia Research, 2009, 115, 163-172.	1.1	27
67	Corpus callosum macro and microstructure in late-life depression. Journal of Affective Disorders, 2017, 222, 63-70.	2.0	27
68	Charting shared developmental trajectories of cortical thickness and structural connectivity in childhood and adolescence. Human Brain Mapping, 2019, 40, 4630-4644.	1.9	27
69	Associations between dehydroepiandrosterone (DHEA) levels, pituitary volume, and social anxiety in children. Psychoneuroendocrinology, 2016, 64, 31-39.	1.3	26
70	Different brain networks underlying intelligence in autism spectrum disorders. Human Brain Mapping, 2018, 39, 3253-3262.	1.9	26
71	Diffusion tensor imaging detects white matter abnormalities and associated cognitive deficits in chronic adolescent TBI. Brain Injury, 2013, 27, 454-463.	0.6	25
72	Software Pipeline for Midsagittal Corpus Callosum Thickness Profile Processing. Neuroinformatics, 2014, 12, 595-614.	1.5	25

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73	Regional Brain Morphometric Characteristics of Nonsyndromic Cleft Lip and Palate. Developmental Neuroscience, 2014, 36, 490-498.	1.0	25
74	Desikan-Killiany-Tourville Atlas Compatible Version of M-CRIB Neonatal Parcellated Whole Brain Atlas: The M-CRIB 2.0. Frontiers in Neuroscience, 2019, 13, 34.	1.4	25
75	Long-term development of white matter fibre density and morphology up to 13 years after preterm birth: A fixel-based analysis. NeuroImage, 2020, 220, 117068.	2.1	25
76	Modelling neuroanatomical variation during childhood and adolescence with neighbourhood-preserving embedding. Scientific Reports, 2017, 7, 17796.	1.6	24
77	Longitudinal patterns of white matter fibre density and morphology in children are associated with age and pubertal stage. Developmental Cognitive Neuroscience, 2020, 45, 100853.	1.9	24
78	Characterizing anterior cingulate activation in chronic schizophrenia: a group and single-subject fMRI study. Acta Psychiatrica Scandinavica, 2007, 116, 271-279.	2.2	23
79	Effect of image analysis software on neurofunctional activation during processing of emotional human faces. Journal of Clinical Neuroscience, 2010, 17, 311-314.	0.8	23
80	Brain structure and neurological and behavioural functioning in infants born preterm. Developmental Medicine and Child Neurology, 2019, 61, 820-831.	1.1	23
81	Individualised MRI training for paediatric neuroimaging: A child-focused approach. Developmental Cognitive Neuroscience, 2020, 41, 100750.	1.9	23
82	Protocol for a prospective, longitudinal, cohort study of postconcussive symptoms in children: the Take C.A.Re (Concussion Assessment and Recovery Research) study. BMJ Open, 2016, 6, e009427.	0.8	22
83	A systematic evaluation of intraoperative white matter tract shift in pediatric epilepsy surgery using high-field MRI and probabilistic high angular resolution diffusion imaging tractography. Journal of Neurosurgery: Pediatrics, 2017, 19, 592-605.	0.8	22
84	The development of structural covariance networks during the transition from childhood to adolescence. Scientific Reports, 2021, 11, 9451.	1.6	22
85	Study protocol: families and childhood transitions study (FACTS) – a longitudinal investigation of the role of the family environment in brain development and risk for mental health disorders in community based children. BMC Pediatrics, 2017, 17, 153.	0.7	21
86	The Melbourne Assessment of Schizotypy in Kids: A Useful Measure of Childhood Schizotypal Personality Disorder. BioMed Research International, 2015, 2015, 1-10.	0.9	20
87	Brain structural connectivity during adrenarche: Associations between hormone levels and white matter microstructure. Psychoneuroendocrinology, 2018, 88, 70-77.	1.3	18
88	Associations between adrenarcheal hormones, amygdala functional connectivity and anxiety symptoms in children. Psychoneuroendocrinology, 2018, 97, 156-163.	1.3	17
89	Adrenarcheal Timing Longitudinally Predicts Anxiety Symptoms via Amygdala Connectivity During Emotion Processing. Journal of the American Academy of Child and Adolescent Psychiatry, 2020, 59, 739-748.e2.	0.3	15
90	Intrinsic motivation and academic performance in school-age children born extremely preterm: The contribution of working memory. Learning and Individual Differences, 2018, 64, 22-32.	1.5	14

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91	Quantifying individual differences in brain morphometry underlying symptom severity in Autism Spectrum Disorders. Scientific Reports, 2019, 9, 9898.	1.6	13
92	Working memory training and brain structure and function in extremely preterm or extremely low birth weight children. Human Brain Mapping, 2020, 41, 684-696.	1.9	13
93	Regional brain volumes, microstructure and neurodevelopment in moderate–late preterm children. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2020, 105, 593-599.	1.4	13
94	Widespread decreased grey and white matter in paediatric obsessive-compulsive disorder (OCD): A voxel-based morphometric MRI study. Psychiatry Research - Neuroimaging, 2013, 213, 11-17.	0.9	12
95	Timing of covert articulation: An fMRI study. Neuropsychologia, 2006, 44, 2573-2577.	0.7	11
96	Network component analysis reveals developmental trajectories of structural connectivity and specific alterations in autism spectrum disorder. Human Brain Mapping, 2017, 38, 4169-4184.	1.9	11
97	White matter extension of the Melbourne Children's Regional Infant Brain atlas: M RIBâ€WM. Human Brain Mapping, 2020, 41, 2317-2333.	1.9	11
98	Protocol for a prospective, longitudinal, cohort study of recovery pathways, acute biomarkers and cost for children with persistent postconcussion symptoms: the Take CARe Biomarkers study. BMJ Open, 2019, 9, e022098.	0.8	10
99	Individual Differences in Intrinsic Brain Networks Predict Symptom Severity in Autism Spectrum Disorders. Cerebral Cortex, 2021, 31, 681-693.	1.6	10
100	White Matter Microstructure and Information Processing at the Completion of Chemotherapy-Only Treatment for Pediatric Acute Lymphoblastic Leukemia. Developmental Neuropsychology, 2018, 43, 385-402.	1.0	9
101	Characterizing White Matter Tract Organization in Polymicrogyria and Lissencephaly: A Multifiber Diffusion MRI Modeling and Tractography Study. American Journal of Neuroradiology, 2020, 41, 1495-1502.	1.2	9
102	Brain connectivity networks and longitudinal trajectories of depression symptoms in adolescence. Psychiatry Research - Neuroimaging, 2017, 260, 62-69.	0.9	8
103	Structural covariance networks in children and their associations with maternal behaviors. NeuroImage, 2019, 202, 115965.	2.1	8
104	Interaction between hypothalamic-pituitary-adrenal axis genetic variation and maternal behavior in the prediction of amygdala connectivity in children. NeuroImage, 2019, 197, 493-501.	2.1	8
105	Exploratory Factor Analysis of Observational Parent–Child Interaction Data. Assessment, 2020, 27, 1758-1776.	1.9	8
106	An investigation of cognitive 'branching' processes in major depression. BMC Psychiatry, 2009, 9, 69.	1.1	7
107	Adrenarcheal hormone-related development of white matter during late childhood. NeuroImage, 2020, 223, 117320.	2.1	7
108	A systematic review of brain MRI findings in monogenic disorders strongly associated with autism spectrum disorder. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2021, 62, 1339-1352.	3.1	6

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109	Brain White Matter Development Over the First 13 Years in Very Preterm and Typically Developing Children Based on the <i>T</i> <sub>1</sub> -w/ <i>T</i> <sub>2</sub> -w Ratio. Neurology, 2022, 98, .	1.5	6
110	Working Memory Training Is Associated with Changes in Resting State Functional Connectivity in Children Who Were Born Extremely Preterm: a Randomized Controlled Trial. Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice, 2019, 3, 376-387.	0.8	5
111	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?. Biological Psychiatry, 2019, 85, e35-e39.	0.7	5
112	Towards understanding neurocognitive mechanisms of parenting: Maternal behaviors and structural brain network organization in late childhood. Human Brain Mapping, 2021, 42, 1845-1862.	1.9	5
113	Brain tissue microstructural and free-water composition 13 years after very preterm birth. NeuroImage, 2022, 254, 119168.	2.1	5
114	Automated alignment of perioperative MRI scans: A technical note and application in pediatric epilepsy surgery. Human Brain Mapping, 2016, 37, 3530-3543.	1.9	4
115	Brain volumetric correlates of inhibition and cognitive flexibility 16 years following childhood traumatic brain injury. Journal of Neuroscience Research, 2018, 96, 642-651.	1.3	4
116	Brain morphology and information processing at the completion of chemotherapy-only treatment for pediatric acute lymphoblastic leukemia. Developmental Neurorehabilitation, 2019, 22, 293-302.	0.5	4
117	Examining Microstructural White Matter Differences between Children with Typical and Those with Delayed Recovery Two Weeks Post-Concussion. Journal of Neurotrauma, 2020, 37, 1300-1305.	1.7	4
118	No Evidence of a Difference in Susceptibility-Weighted Imaging Lesion Burden or Functional Network Connectivity between Children with Typical and Delayed Recovery Two Weeks Post-Concussion. Journal of Neurotrauma, 2021, 38, 2384-2390.	1.7	4
119	Child Motivation and Family Environment Influence Outcomes of Working Memory Training in Extremely Preterm Children. Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice, 2019, 3, 396-404.	0.8	3
120	Callosal thickness profiles for prognosticating conversion from mild cognitive impairment to Alzheimer's disease: A classification approach. Brain and Behavior, 2018, 8, e01142.	1.0	2
121	Efficiency of structural connectivity networks relates to intrinsic motivation in children born extremely preterm. Brain Imaging and Behavior, 2019, 13, 995-1008.	1.1	2
122	Structural and functional brain abnormalities in children with schizotypal disorder: a pilot study. NPJ Schizophrenia, 2020, 6, 6.	2.0	2
123	Investigating the brain structural connectome following working memory training in children born extremely preterm or extremely low birth weight. Journal of Neuroscience Research, 2021, 99, 2340-2350.	1.3	2
124	ALTERED MEDIAL TEMPORAL ACTIVATION RELATED TO LOCAL GLUTAMATE IN SUBJECTS WITH PRODROMAL SIGNS OF PSYCHOSIS. Schizophrenia Research, 2010, 117, 533.	1.1	1
125	Placebo effect really is all in your mind. Trends in Cognitive Sciences, 2002, 6, 280.	4.0	0
126	NEURAL CORRELATES OF VERBAL EPISODIC MEMORY IN THE AT RISK MENTAL STATE. Schizophrenia Research, 2008, 102, 29-30.	1.1	0

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127	Associative memory. , 2009, , 96-104.		0
128	IDENTIFYING THE MARKERS OF MENTAL ILLNESS IN PRIMARY SCHOOL-AGED CHILDREN: A SERIES OF CASE STUDIES EXAMINING COGNITIVE, MOTOR, LANGUAGE AND PSYCHOSOCIAL FACTORS. Schizophrenia Research, 2010, 117, 321-322.	1.1	0