

Marc L Seal

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

129
papers

6,356
citations

38
h-index

78
g-index

148
ext. papers

7,689
ext. citations

4.8
avg, IF

5.35
L-index

#	Paper	IF	Citations
129	Brain tissue microstructural and free-water composition 13 years after very preterm birth.. <i>NeuroImage</i> , 2022 , 254, 119168	7.9	0
128	A longitudinal analysis of puberty-related cortical development. <i>NeuroImage</i> , 2021 , 228, 117684	7.9	4
127	The development of structural covariance networks during the transition from childhood to adolescence. <i>Scientific Reports</i> , 2021 , 11, 9451	4.9	3
126	Individual variation underlying brain age estimates in typical development. <i>NeuroImage</i> , 2021 , 235, 118036	7.9	5
125	Individual Differences in Intrinsic Brain Networks Predict Symptom Severity in Autism Spectrum Disorders. <i>Cerebral Cortex</i> , 2021 , 31, 681-693	5.1	2
124	Towards understanding neurocognitive mechanisms of parenting: Maternal behaviors and structural brain network organization in late childhood. <i>Human Brain Mapping</i> , 2021 , 42, 1845-1862	5.9	3
123	Investigating the brain structural connectome following working memory training in children born extremely preterm or extremely low birth weight. <i>Journal of Neuroscience Research</i> , 2021 , 99, 2340-2350	4.4	1
122	A systematic review of brain MRI findings in monogenic disorders strongly associated with autism spectrum disorder. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2021 , 62, 1339-1352	7.9	1
121	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. <i>Journal of Neurotrauma</i> , 2021 , 38, 2384-2390	5.4	0
120	Increased power by harmonizing structural MRI site differences with the ComBat batch adjustment method in ENIGMA. <i>NeuroImage</i> , 2020 , 218, 116956	7.9	32
119	Structural and functional brain abnormalities in children with schizotypal disorder: a pilot study. <i>NPJ Schizophrenia</i> , 2020 , 6, 6	5.5	2
118	Parcellation of the neonatal cortex using Surface-based Melbourne Children's Regional Infant Brain atlases (M-CRIB-S). <i>Scientific Reports</i> , 2020 , 10, 4359	4.9	9
117	Regional brain volumes, microstructure and neurodevelopment in moderate-late preterm children. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2020 , 105, 593-599	4.7	7
116	Long-term development of white matter fibre density and morphology up to 13 years after preterm birth: A fixel-based analysis. <i>NeuroImage</i> , 2020 , 220, 117068	7.9	10
115	White matter extension of the Melbourne Children's Regional Infant Brain atlas: M-CRIB-WM. <i>Human Brain Mapping</i> , 2020 , 41, 2317-2333	5.9	7
114	Tracking regional brain growth up to age 13 in children born term and very preterm. <i>Nature Communications</i> , 2020 , 11, 696	17.4	16
113	Examining Microstructural White Matter Differences between Children with Typical and Those with Delayed Recovery Two Weeks Post-Concussion. <i>Journal of Neurotrauma</i> , 2020 , 37, 1300-1305	5.4	2

112	Working memory training and brain structure and function in extremely preterm or extremely low birth weight children. <i>Human Brain Mapping</i> , 2020 , 41, 684-696	5.9	6
111	Individualised MRI training for paediatric neuroimaging: A child-focused approach. <i>Developmental Cognitive Neuroscience</i> , 2020 , 41, 100750	5.5	10
110	Longitudinal patterns of white matter fibre density and morphology in children are associated with age and pubertal stage. <i>Developmental Cognitive Neuroscience</i> , 2020 , 45, 100853	5.5	7
109	Adrenarcheal hormone-related development of white matter during late childhood. <i>NeuroImage</i> , 2020 , 223, 117320	7.9	2
108	Characterizing White Matter Tract Organization in Polymicrogyria and Lissencephaly: A Multifiber Diffusion MRI Modeling and Tractography Study. <i>American Journal of Neuroradiology</i> , 2020 , 41, 1495-1502	4.4	4
107	Exploratory Factor Analysis of Observational Parent-Child Interaction Data. <i>Assessment</i> , 2020 , 27, 1758-1776	3.7	4
106	Adrenarcheal Timing Longitudinally Predicts Anxiety Symptoms via Amygdala Connectivity During Emotion Processing. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2020 , 59, 739-748.e2	7.3	5
105	The Influence of Maternal Parenting Style on the Neural Correlates of Emotion Processing in Children. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2020 , 59, 274-282	7.2	21
104	Working Memory Training Is Associated with Changes in Resting State Functional Connectivity in Children Who Were Born Extremely Preterm: a Randomized Controlled Trial. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , 2019 , 3, 376-387	2.4	2
103	Structural covariance networks in children and their associations with maternal behaviors. <i>NeuroImage</i> , 2019 , 202, 115965	7.9	5
102	Child Motivation and Family Environment Influence Outcomes of Working Memory Training in Extremely Preterm Children. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , 2019 , 3, 396-404	2.4	1
101	Interaction between hypothalamic-pituitary-adrenal axis genetic variation and maternal behavior in the prediction of amygdala connectivity in children. <i>NeuroImage</i> , 2019 , 197, 493-501	7.9	5
100	Desikan-Killiany-Tourville Atlas Compatible Version of M-CRIB Neonatal Parcellated Whole Brain Atlas: The M-CRIB 2.0. <i>Frontiers in Neuroscience</i> , 2019 , 13, 34	5.1	11
99	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. <i>BMJ Open</i> , 2019 , 9, e022098	3	5
98	Efficiency of structural connectivity networks relates to intrinsic motivation in children born extremely preterm. <i>Brain Imaging and Behavior</i> , 2019 , 13, 995-1008	4.1	1
97	Brain morphology and information processing at the completion of chemotherapy-only treatment for pediatric acute lymphoblastic leukemia. <i>Developmental Neurorehabilitation</i> , 2019 , 22, 293-302	1.8	3
96	Changes in neonatal regional brain volume associated with preterm birth and perinatal factors. <i>NeuroImage</i> , 2019 , 185, 654-663	7.9	20
95	Quantifying individual differences in brain morphometry underlying symptom severity in Autism Spectrum Disorders. <i>Scientific Reports</i> , 2019 , 9, 9898	4.9	5

94	Charting shared developmental trajectories of cortical thickness and structural connectivity in childhood and adolescence. <i>Human Brain Mapping</i> , 2019 , 40, 4630-4644	5.9	13
93	Characterisation of brain volume and microstructure at term-equivalent age in infants born across the gestational age spectrum. <i>NeuroImage: Clinical</i> , 2019 , 21, 101630	5.3	18
92	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	7.9	4
91	Brain structure and neurological and behavioural functioning in infants born preterm. <i>Developmental Medicine and Child Neurology</i> , 2019 , 61, 820-831	3.3	13
90	Early life predictors of brain development at term-equivalent age in infants born across the gestational age spectrum. <i>NeuroImage</i> , 2019 , 185, 813-824	7.9	31
89	Intrinsic motivation and academic performance in school-age children born extremely preterm: The contribution of working memory. <i>Learning and Individual Differences</i> , 2018 , 64, 22-32	3.1	9
88	Age, sex, and puberty related development of the corpus callosum: a multi-technique diffusion MRI study. <i>Brain Structure and Function</i> , 2018 , 223, 2753-2765	4	31
87	Different brain networks underlying intelligence in autism spectrum disorders. <i>Human Brain Mapping</i> , 2018 , 39, 3253-3262	5.9	17
86	Brain structural connectivity during adrenarche: Associations between hormone levels and white matter microstructure. <i>Psychoneuroendocrinology</i> , 2018 , 88, 70-77	5	12
85	Widespread white matter microstructural differences in schizophrenia across 4322 individuals: results from the ENIGMA Schizophrenia DTI Working Group. <i>Molecular Psychiatry</i> , 2018 , 23, 1261-1269	15.1	324
84	Associations between adrenarcheal hormones, amygdala functional connectivity and anxiety symptoms in children. <i>Psychoneuroendocrinology</i> , 2018 , 97, 156-163	5	11
83	Development of white matter fibre density and morphology over childhood: A longitudinal fixel-based analysis. <i>NeuroImage</i> , 2018 , 183, 666-676	7.9	36
82	Brain volumetric correlates of inhibition and cognitive flexibility 16 years following childhood traumatic brain injury. <i>Journal of Neuroscience Research</i> , 2018 , 96, 642-651	4.4	3
81	Callosal thickness profiles for prognosticating conversion from mild cognitive impairment to Alzheimer's disease: A classification approach. <i>Brain and Behavior</i> , 2018 , 8, e01142	3.4	2
80	Long-Term Academic Functioning Following Cogmed Working Memory Training for Children Born Extremely Preterm: A Randomized Controlled Trial. <i>Journal of Pediatrics</i> , 2018 , 202, 92-97.e4	3.6	22
79	White Matter Microstructure and Information Processing at the Completion of Chemotherapy-Only Treatment for Pediatric Acute Lymphoblastic Leukemia. <i>Developmental Neuropsychology</i> , 2018 , 43, 385-402	1.8	5
78	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	7.9	325
77	Altered structural connectivity in ADHD: a network based analysis. <i>Brain Imaging and Behavior</i> , 2017 , 11, 846-858	4.1	38

76	Brain connectivity networks and longitudinal trajectories of depression symptoms in adolescence. <i>Psychiatry Research - Neuroimaging</i> , 2017 , 260, 62-69	2.9	7
75	Autism spectrum disorders: Neuroimaging findings from systematic reviews. <i>Research in Autism Spectrum Disorders</i> , 2017 , 34, 28-33	3	19
74	White matter alterations at pubertal onset. <i>NeuroImage</i> , 2017 , 156, 286-292	7.9	36
73	Network component analysis reveals developmental trajectories of structural connectivity and specific alterations in autism spectrum disorder. <i>Human Brain Mapping</i> , 2017 , 38, 4169-4184	5.9	8
72	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. <i>Journal of Neurosurgery: Pediatrics</i> , 2017 , 19, 592-605	2.1	10
71	Corpus callosum macro and microstructure in late-life depression. <i>Journal of Affective Disorders</i> , 2017 , 222, 63-70	6.6	14
70	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. <i>BMC Pediatrics</i> , 2017 , 17, 153	2.6	14
69	A new neonatal cortical and subcortical brain atlas: the Melbourne Children's Regional Infant Brain (M-CRIB) atlas. <i>NeuroImage</i> , 2017 , 147, 841-851	7.9	39
68	The relationship between cognitive and neuroimaging outcomes in children treated for acute lymphoblastic leukemia with chemotherapy only: A systematic review. <i>Pediatric Blood and Cancer</i> , 2017 , 64, 225-233	3	27
67	Longitudinal Trajectories of Depression Symptoms in Adolescence: Psychosocial Risk Factors and Outcomes. <i>Child Psychiatry and Human Development</i> , 2017 , 48, 554-571	3.3	39
66	Modelling neuroanatomical variation during childhood and adolescence with neighbourhood-preserving embedding. <i>Scientific Reports</i> , 2017 , 7, 17796	4.9	15
65	Moderate and late preterm infants exhibit widespread brain white matter microstructure alterations at term-equivalent age relative to term-born controls. <i>Brain Imaging and Behavior</i> , 2016 , 10, 41-9	4.1	47
64	Structural connectivity relates to perinatal factors and functional impairment at 7years in children born very preterm. <i>NeuroImage</i> , 2016 , 134, 328-337	7.9	44
63	Associations between dehydroepiandrosterone (DHEA) levels, pituitary volume, and social anxiety in children. <i>Psychoneuroendocrinology</i> , 2016 , 64, 31-9	5	16
62	Neonatal Brain Tissue Classification with Morphological Adaptation and Unified Segmentation. <i>Frontiers in Neuroinformatics</i> , 2016 , 10, 12	3.9	61
61	Identifying Individuals at High Risk of Psychosis: Predictive Utility of Support Vector Machine using Structural and Functional MRI Data. <i>Frontiers in Psychiatry</i> , 2016 , 7, 52	5	24
60	Automated alignment of perioperative MRI scans: A technical note and application in pediatric epilepsy surgery. <i>Human Brain Mapping</i> , 2016 , 37, 3530-43	5.9	4
59	Protocol for a prospective, longitudinal, cohort study of postconcussive symptoms in children: the Take C.A.Re (Concussion Assessment and Recovery Research) study. <i>BMJ Open</i> , 2016 , 6, e009427	3	16

58	Development of brain networks and relevance of environmental and genetic factors: A systematic review. <i>Neuroscience and Biobehavioral Reviews</i> , 2016 , 71, 215-239	9	44
57	Neonatal brain abnormalities associated with autism spectrum disorder in children born very preterm. <i>Autism Research</i> , 2016 , 9, 543-52	5.1	24
56	Associations between early adrenarche, affective brain function and mental health in children. <i>Social Cognitive and Affective Neuroscience</i> , 2015 , 10, 1282-90	4	37
55	The Melbourne assessment of Schizotypy in kids: a useful measure of childhood schizotypal personality disorder. <i>BioMed Research International</i> , 2015 , 2015, 635732	3	8
54	Neurobehaviour between birth and 40 weeks gestation in infants born . <i>BMC Pediatrics</i> , 2014 , 14, 111	2.6	46
53	Study protocol: imaging brain development in the Childhood to Adolescence Transition Study (iCATS). <i>BMC Pediatrics</i> , 2014 , 14, 115	2.6	26
52	Regional brain morphometric characteristics of nonsyndromic cleft lip and palate. <i>Developmental Neuroscience</i> , 2014 , 36, 490-8	2.2	17
51	Software pipeline for midsagittal corpus callosum thickness profile processing : automated segmentation, manual editor, thickness profile generator, group-wise statistical comparison and results display. <i>Neuroinformatics</i> , 2014 , 12, 595-614	3.2	18
50	Preventing academic difficulties in preterm children: a randomised controlled trial of an adaptive working memory training intervention - IMPRINT study. <i>BMC Pediatrics</i> , 2013 , 13, 144	2.6	22
49	Evidence of a dimensional relationship between schizotypy and schizophrenia: a systematic review. <i>Neuroscience and Biobehavioral Reviews</i> , 2013 , 37, 317-27	9	195
48	White matter abnormalities in pediatric obsessive-compulsive disorder. <i>Psychiatry Research - Neuroimaging</i> , 2013 , 213, 154-60	2.9	24
47	Widespread decreased grey and white matter in paediatric obsessive-compulsive disorder (OCD): a voxel-based morphometric MRI study. <i>Psychiatry Research - Neuroimaging</i> , 2013 , 213, 11-7	2.9	10
46	Cannabis affects people differently: inter-subject variation in the psychotogenic effects of Δ^9 -tetrahydrocannabinol: a functional magnetic resonance imaging study with healthy volunteers. <i>Psychological Medicine</i> , 2013 , 43, 1255-67	6.9	44
45	Diffusion tensor imaging detects white matter abnormalities and associated cognitive deficits in chronic adolescent TBI. <i>Brain Injury</i> , 2013 , 27, 454-63	2.1	24
44	Brain extraction using the watershed transform from markers. <i>Frontiers in Neuroinformatics</i> , 2013 , 7, 32	3.9	19
43	Contribution of brain size to IQ and educational underperformance in extremely preterm adolescents. <i>PLoS ONE</i> , 2013 , 8, e77475	3.7	56
42	Functional connectivity in brain networks underlying cognitive control in chronic cannabis users. <i>Neuropsychopharmacology</i> , 2012 , 37, 1923-33	8.7	81
41	Effect of long-term cannabis use on axonal fibre connectivity. <i>Brain</i> , 2012 , 135, 2245-55	11.2	216

40	Induction of psychosis by Δ^9 -tetrahydrocannabinol reflects modulation of prefrontal and striatal function during attentional salience processing. <i>Archives of General Psychiatry</i> , 2012 , 69, 27-36		165
39	Acute effects of a single, oral dose of Δ^9 -tetrahydrocannabinol (THC) and cannabidiol (CBD) administration in healthy volunteers. <i>Current Pharmaceutical Design</i> , 2012 , 18, 4966-79	3.3	165
38	Abnormal relationship between medial temporal lobe and subcortical dopamine function in people with an ultra high risk for psychosis. <i>Schizophrenia Bulletin</i> , 2012 , 38, 1040-9	1.3	56
37	The relationship of developmental changes in white matter to the onset of psychosis. <i>Current Pharmaceutical Design</i> , 2012 , 18, 422-33	3.3	26
36	Disrupted axonal fiber connectivity in schizophrenia. <i>Biological Psychiatry</i> , 2011 , 69, 80-9	7.9	363
35	Altered medial temporal activation related to local glutamate levels in subjects with prodromal signs of psychosis. <i>Biological Psychiatry</i> , 2011 , 69, 97-9	7.9	53
34	Neuroanatomical abnormalities in schizophrenia: a multimodal voxelwise meta-analysis and meta-regression analysis. <i>Schizophrenia Research</i> , 2011 , 127, 46-57	3.6	339
33	An investigation of the relationship between cortical connectivity and schizotypy in the general population. <i>Journal of Nervous and Mental Disease</i> , 2011 , 199, 348-53	1.8	24
32	Altered prefrontal and hippocampal function during verbal encoding and recognition in people with prodromal symptoms of psychosis. <i>Schizophrenia Bulletin</i> , 2011 , 37, 746-56	1.3	60
31	Modulation of auditory and visual processing by Δ^9 -tetrahydrocannabinol and cannabidiol: an fMRI study. <i>Neuropsychopharmacology</i> , 2011 , 36, 1340-8	8.7	101
30	Neuroimaging in cannabis use: a systematic review of the literature. <i>Psychological Medicine</i> , 2010 , 40, 383-98	6.9	166
29	White and gray matter alterations in adults with Niemann-Pick disease type C: a cross-sectional study. <i>Neurology</i> , 2010 , 75, 49-56	6.5	79
28	Hippocampal pathology in individuals at ultra-high risk for psychosis: a multi-modal magnetic resonance study. <i>NeuroImage</i> , 2010 , 52, 62-8	7.9	96
27	Effect of image analysis software on neurofunctional activation during processing of emotional human faces. <i>Journal of Clinical Neuroscience</i> , 2010 , 17, 311-4	2.2	21
26	Modulation of effective connectivity during emotional processing by Δ^9 -tetrahydrocannabinol and cannabidiol. <i>International Journal of Neuropsychopharmacology</i> , 2010 , 13, 421-32	5.8	109
25	Opposite effects of Δ^9 -tetrahydrocannabinol and cannabidiol on human brain function and psychopathology. <i>Neuropsychopharmacology</i> , 2010 , 35, 764-74	8.7	481
24	Distinct effects of Δ^9 -tetrahydrocannabinol and cannabidiol on neural activation during emotional processing. <i>Archives of General Psychiatry</i> , 2009 , 66, 95-105		331
23	Modulation of mediotemporal and ventrostriatal function in humans by Δ^9 -tetrahydrocannabinol: a neural basis for the effects of <i>Cannabis sativa</i> on learning and psychosis. <i>Archives of General Psychiatry</i> , 2009 , 66, 442-51		199

22	An investigation of cognitive branching processes in major depression. <i>BMC Psychiatry</i> , 2009 , 9, 69	4.2	5
21	Grey and white matter abnormalities are associated with impaired spatial working memory ability in first-episode schizophrenia. <i>Schizophrenia Research</i> , 2009 , 115, 163-72	3.6	25
20	Prevalence and length of the adhesio interthalamica in schizophrenia spectrum disorders. <i>Psychiatry Research - Neuroimaging</i> , 2008 , 164, 90-4	2.9	27
19	Abnormal white matter microstructure in schizophrenia: a voxelwise analysis of axial and radial diffusivity. <i>Schizophrenia Research</i> , 2008 , 101, 106-10	3.6	100
18	NEURAL CORRELATES OF VERBAL EPISODIC MEMORY IN THE AT RISK MENTAL STATE. <i>Schizophrenia Research</i> , 2008 , 102, 29-30	3.6	
17	Neural basis of Delta-9-tetrahydrocannabinol and cannabidiol: effects during response inhibition. <i>Biological Psychiatry</i> , 2008 , 64, 966-73	7.9	159
16	An fMRI study of verbal episodic memory encoding in amnesic mild cognitive impairment. <i>Cortex</i> , 2008 , 44, 869-80	3.8	40
15	An event related functional magnetic resonance imaging study of facial emotion processing in Asperger syndrome. <i>Biological Psychiatry</i> , 2007 , 62, 207-17	7.9	85
14	The nature of abnormal language processing in euthymic bipolar I disorder: evidence for a relationship between task demand and prefrontal function. <i>Bipolar Disorders</i> , 2007 , 9, 358-69	3.8	30
13	Characterizing anterior cingulate activation in chronic schizophrenia: a group and single-subject fMRI study. <i>Acta Psychiatrica Scandinavica</i> , 2007 , 116, 271-9	6.5	20
12	Timing of covert articulation: an fMRI study. <i>Neuropsychologia</i> , 2006 , 44, 2573-7	3.2	11
11	The functional anatomy of divided attention in amnesic mild cognitive impairment. <i>Brain</i> , 2005 , 128, 1418-27	11.2	70
10	Compelling imagery, unanticipated speech and deceptive memory: neurocognitive models of auditory verbal hallucinations in schizophrenia. <i>Cognitive Neuropsychiatry</i> , 2004 , 9, 43-72	2	164
9	A functional MRI study of working memory task in euthymic bipolar disorder: evidence for task-specific dysfunction. <i>Bipolar Disorders</i> , 2004 , 6, 550-64	3.8	147
8	Cortical activation associated with the experience of auditory hallucinations and perception of human speech in schizophrenia: a PET correlation study. <i>Psychiatry Research - Neuroimaging</i> , 2003 , 122, 139-52	2.9	100
7	Deficits in Source Monitoring in Subjects with Auditory Hallucinations May be Due to Differences in Verbal Intelligence and Verbal Memory. <i>Cognitive Neuropsychiatry</i> , 1997 , 2, 273-90	2	45
6	Associative memory96-104		
5	Development of white matter fibre density and morphology over childhood: a longitudinal fixel-based analysis		1

4	Individual variation in longitudinal postnatal development of the primate brain	1
3	Longitudinal white matter development in children is associated with puberty, attentional difficulties, and mental health	2
2	Participant followup rate can bias structural imaging measures in longitudinal studies	1
1	Karawun: assisting evaluation of advances in multimodal imaging for neurosurgical planning and intraoperative neuronavigation	1