

Timothy J Silk

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

4,181
citations

126907

33
h-index

138484

58
g-index

101
all docs

101
docs citations

101
times ranked

6299
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Dissociation in performance of children with ADHD and high-functioning autism on a task of sustained attention. <i>Neuropsychologia</i> , 2007, 45, 2234-2245.	1.6	220
4	White matter abnormalities in attention deficit hyperactivity disorder: A diffusion tensor imaging study. <i>Human Brain Mapping</i> , 2009, 30, 2757-2765.	3.6	215
5	Right parietal dysfunction in children with attention deficit hyperactivity disorder, combined type: a functional MRI study. <i>Molecular Psychiatry</i> , 2007, 12, 826-832.	7.9	159
6	Visuospatial Processing and the Function of Prefrontal-Parietal Networks in Autism Spectrum Disorders: A Functional MRI Study. <i>American Journal of Psychiatry</i> , 2006, 163, 1440-1443.	7.2	158
7	Neural correlates of the emergence of consciousness of thirst. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 15241-15246.	7.1	145
8	Virtual Histology of Cortical Thickness and Shared Neurobiology in 6 Psychiatric Disorders. <i>JAMA Psychiatry</i> , 2021, 78, 47.	11.0	136
9	Fronto-parietal activation in attention-deficit hyperactivity disorder, combined type: Functional magnetic resonance imaging study. <i>British Journal of Psychiatry</i> , 2005, 187, 282-283.	2.8	134
10	Subcortical Brain Volume, Regional Cortical Thickness, and Cortical Surface Area Across Disorders: Findings From the ENIGMA ADHD, ASD, and OCD Working Groups. <i>American Journal of Psychiatry</i> , 2020, 177, 834-843.	7.2	120
11	Mathematically gifted male adolescents activate a unique brain network during mental rotation. <i>Cognitive Brain Research</i> , 2005, 25, 583-587.	3.0	118
12	Fixel-based Analysis of Diffusion MRI: Methods, Applications, Challenges and Opportunities. <i>NeuroImage</i> , 2021, 241, 118417.	4.2	117
13	Spatial working memory and spatial attention rely on common neural processes in the intraparietal sulcus. <i>NeuroImage</i> , 2010, 53, 718-724.	4.2	111
14	Neurite density index is sensitive to age related differences in the developing brain. <i>NeuroImage</i> , 2017, 148, 373-380.	4.2	101
15	Executive function and attention in children and adolescents with depressive disorders: a systematic review. <i>European Child and Adolescent Psychiatry</i> , 2015, 24, 365-384.	4.7	94
16	Research Review: Language problems in children with Attention-Deficit Hyperactivity Disorder – a systematic meta-analytic review. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2017, 58, 640-654.	5.2	73
17	Altered structural connectivity in ADHD: a network based analysis. <i>Brain Imaging and Behavior</i> , 2017, 11, 846-858.	2.1	70
18	Development of white matter fibre density and morphology over childhood: A longitudinal fixel-based analysis. <i>NeuroImage</i> , 2018, 183, 666-676.	4.2	66

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19	Does the Mind Wander When the Brain Takes a Break? Local Sleep in Wakefulness, Attentional Lapses and Mind-Wandering. <i>Frontiers in Neuroscience</i> , 2019, 13, 949.	2.8	65
20	Human Medial Frontal Cortex Activity Predicts Learning from Errors. <i>Cerebral Cortex</i> , 2008, 18, 1933-1940.	2.9	60
21	Structural development of the basal ganglia in attention deficit hyperactivity disorder: A diffusion tensor imaging study. <i>Psychiatry Research - Neuroimaging</i> , 2009, 172, 220-225.	1.8	59
22	Lessons About Neurodevelopment From Anatomical Magnetic Resonance Imaging. <i>Journal of Developmental and Behavioral Pediatrics</i> , 2011, 32, 158-168.	1.1	56
23	Developmental brain trajectories in children with ADHD and controls: a longitudinal neuroimaging study. <i>BMC Psychiatry</i> , 2016, 16, 59.	2.6	54
24	White matter microstructure predicts longitudinal social cognitive outcomes after paediatric traumatic brain injury: a diffusion tensor imaging study. <i>Psychological Medicine</i> , 2018, 48, 679-691.	4.5	51
25	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.	2.3	50
26	The emergence of age-dependent social cognitive deficits after generalized insult to the developing brain: A longitudinal prospective analysis using susceptibility-weighted imaging. <i>Human Brain Mapping</i> , 2015, 36, 1677-1691.	3.6	49
27	Comorbidity and correlates of disruptive mood dysregulation disorder in 6-8-year-old children with ADHD. <i>European Child and Adolescent Psychiatry</i> , 2016, 25, 321-330.	4.7	48
28	Abnormal asymmetry in frontostriatal white matter in children with attention deficit hyperactivity disorder. <i>Brain Imaging and Behavior</i> , 2016, 10, 1080-1089.	2.1	47
29	White matter alterations at pubertal onset. <i>NeuroImage</i> , 2017, 156, 286-292.	4.2	47
30	Cortical morphometry in attention deficit/hyperactivity disorder: Contribution of thickness and surface area to volume. <i>Cortex</i> , 2016, 82, 1-10.	2.4	41
31	Analysis of structural brain asymmetries in attention-deficit/hyperactivity disorder in 39 datasets. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2021, 62, 1202-1219.	5.2	40
32	Relationships between acute imaging biomarkers and theory of mind impairment in post-acute pediatric traumatic brain injury: A prospective analysis using susceptibility weighted imaging (SWI). <i>Neuropsychologia</i> , 2015, 66, 32-38.	1.6	39
33	Dysfunction in the Fronto-Parietal Network in Attention Deficit Hyperactivity Disorder (ADHD): An fMRI Study. <i>Brain Imaging and Behavior</i> , 2008, 2, 123-131.	2.1	37
34	Brain extraction using the watershed transform from markers. <i>Frontiers in Neuroinformatics</i> , 2013, 7, 32.	2.5	36
35	Uncovering the neuroanatomical correlates of cognitive, affective and conative theory of mind in paediatric traumatic brain injury: a neural systems perspective. <i>Social Cognitive and Affective Neuroscience</i> , 2017, 12, 1414-1427.	3.0	34
36	A longitudinal analysis of puberty-related cortical development. <i>NeuroImage</i> , 2021, 228, 117684.	4.2	34

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37	Theory of mind mediates the prospective relationship between abnormal social brain network morphology and chronic behavior problems after pediatric traumatic brain injury. <i>Social Cognitive and Affective Neuroscience</i> , 2016, 11, 683-692.	3.0	33
38	A network analysis approach to ADHD symptoms: More than the sum of its parts. <i>PLoS ONE</i> , 2019, 14, e0211053.	2.5	32
39	White matter abnormalities in pediatric obsessive-compulsive disorder. <i>Psychiatry Research - Neuroimaging</i> , 2013, 213, 154-160.	1.8	30
40	Multimodal Structural Neuroimaging Markers of Brain Development and ADHD Symptoms. <i>American Journal of Psychiatry</i> , 2019, 176, 57-66.	7.2	30
41	Evidence accumulation during perceptual decisions in humans varies as a function of dorsal frontoparietal organization. <i>Nature Human Behaviour</i> , 2020, 4, 844-855.	12.0	30
42	Global and local grey matter reductions in boys with ADHD combined type and ADHD inattentive type. <i>Psychiatry Research - Neuroimaging</i> , 2016, 254, 119-126.	1.8	29
43	Recovery of White Matter following Pediatric Traumatic Brain Injury Depends on Injury Severity. <i>Journal of Neurotrauma</i> , 2017, 34, 798-806.	3.4	29
44	The effect of single-dose methylphenidate on resting-state network functional connectivity in ADHD. <i>Brain Imaging and Behavior</i> , 2017, 11, 1422-1431.	2.1	29
45	Frontoparietal function in young people with dysthymic disorder (DSM-5: Persistent depressive) Tj ETQq1 1 0.784314 rgBT /Overlock 4.1 26	4.1	26
46	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.	4.0	24
47	White matter tract signatures of fiber density and morphology in ADHD. <i>Cortex</i> , 2021, 138, 329-340.	2.4	23
48	The development of structural covariance networks during the transition from childhood to adolescence. <i>Scientific Reports</i> , 2021, 11, 9451.	3.3	22
49	ENIGMA's Sleep: Challenges, opportunities, and the road map. <i>Journal of Sleep Research</i> , 2021, 30, e13347.	3.2	19
50	Longitudinal Trajectories of Sustained Attention Development in Children and Adolescents with ADHD. <i>Journal of Abnormal Child Psychology</i> , 2020, 48, 1529-1542.	3.5	18
51	Frequency-specific abnormalities in regional homogeneity among children with attention deficit hyperactivity disorder: a resting-state fMRI study. <i>Science Bulletin</i> , 2016, 61, 682-692.	9.0	17
52	White matter microstructure in boys with persistent depressive disorder. <i>Journal of Affective Disorders</i> , 2017, 221, 11-16.	4.1	17
53	Uncovering cortico-striatal correlates of cognitive fatigue in pediatric acquired brain disorder: Evidence from traumatic brain injury. <i>Cortex</i> , 2016, 83, 222-230.	2.4	16
54	White matter organization in developmental coordination disorder: A pilot study exploring the added value of constrained spherical deconvolution. <i>NeuroImage: Clinical</i> , 2019, 21, 101625.	2.7	16

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55	Reproducibility in the absence of selective reporting: An illustration from large-scale brain asymmetry research. <i>Human Brain Mapping</i> , 2022, 43, 244-254.	3.6	16
56	Cavum septum pellucidum in pediatric traumatic brain injury. <i>Psychiatry Research - Neuroimaging</i> , 2013, 213, 186-192.	1.8	15
57	Reduced fine motor competence in children with ADHD is associated with atypical microstructural organization within the superior longitudinal fasciculus. <i>Brain Imaging and Behavior</i> , 2021, 15, 727-737.	2.1	15
58	Characterizing neuroanatomic heterogeneity in people with and without ADHD based on subcortical brain volumes. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2021, 62, 1140-1149.	5.2	14
59	Examining the Prospective Relationship between Family Affective Responsiveness and Theory of Mind in Chronic Paediatric Traumatic Brain Injury. <i>Brain Impairment</i> , 2017, 18, 88-101.	0.7	13
60	Manual dexterity in late childhood is associated with maturation of the corticospinal tract. <i>NeuroImage</i> , 2021, 226, 117583.	4.2	13
61	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, 11-17.	1.8	12
62	Influence of methylphenidate on spatial attention asymmetry in adolescents with attention deficit hyperactivity disorder (ADHD): preliminary findings. <i>Neuropsychologia</i> , 2014, 56, 178-183.	1.6	11
63	A Neuroethics Framework for the Australian Brain Initiative. <i>Neuron</i> , 2019, 101, 365-369.	8.1	11
64	Understanding autism spectrum disorder and social functioning in children with neurofibromatosis type 1: protocol for a cross-sectional multimodal study. <i>BMJ Open</i> , 2019, 9, e030601.	1.9	11
65	ADHD at Age 7 and Functional Impairments at Age 10. <i>Pediatrics</i> , 2020, 146, .	2.1	11
66	Meta-analysis of the neural correlates of vigilant attention in children and adolescents. <i>Cortex</i> , 2020, 132, 374-385.	2.4	11
67	Virtual Ontogeny of Cortical Growth Preceding Mental Illness. <i>Biological Psychiatry</i> , 2022, 92, 299-313.	1.3	11
68	Atypical neuronal activation during a spatial working memory task in 13-year-old very preterm children. <i>Human Brain Mapping</i> , 2017, 38, 6172-6184.	3.6	10
69	Understanding motor difficulties in children with ADHD: A voxel-based analysis of the corticospinal tract. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 105, 110125.	4.8	10
70	The effects of puberty and its hormones on subcortical brain development. <i>Comprehensive Psychoneuroendocrinology</i> , 2021, 7, 100074.	1.7	10
71	Associations Between Limbic System White Matter Structure and Socio-Emotional Functioning in Children with ADHD+ASD. <i>Journal of Autism and Developmental Disorders</i> , 2021, 51, 2663-2672.	2.7	9
72	Head Motion During MRI Predicted by out-of-Scanner Sustained Attention Performance in Attention-Deficit/Hyperactivity Disorder. <i>Journal of Attention Disorders</i> , 2021, 25, 1429-1440.	2.6	9

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73	Associations between sleep, daytime sleepiness and functional outcomes in adolescents with ADHD. <i>Sleep Medicine</i> , 2021, 87, 174-182.	1.6	9
74	The Role of Sleep in the Relationship Between ADHD Symptoms and Stop Signal Task Performance. <i>Journal of Attention Disorders</i> , 2021, 25, 1881-1894.	2.6	8
75	Childhood conduct problems are associated with reduced white matter fibre density and morphology. <i>Journal of Affective Disorders</i> , 2021, 281, 638-645.	4.1	8
76	Prevalence and Predictors of Medication Use in Children with Attention-Deficit/Hyperactivity Disorder: Evidence from a Community-Based Longitudinal Study. <i>Journal of Child and Adolescent Psychopharmacology</i> , 2019, 29, 50-57.	1.3	7
77	OSARI, an Open-Source Anticipated Response Inhibition Task. <i>Behavior Research Methods</i> , 2022, 54, 1530-1540.	4.0	5
78	Longitudinal Changes of Resting-State Networks in Children With Attention-Deficit/Hyperactivity Disorder and Typically Developing Children. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2023, 8, 514-521.	1.5	5
79	Characterisation of depressive symptoms in young children with and without attention deficit hyperactivity disorder. <i>European Child and Adolescent Psychiatry</i> , 2019, 28, 1183-1192.	4.7	4
80	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.	3.4	4
81	The Association Between Autism Symptoms and Child Functioning in a Sample With ADHD Recruited From the Community. <i>Journal of Attention Disorders</i> , 2021, 25, 1129-1134.	2.6	4
82	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.	3.4	4
83	Persistence of disruptive mood dysregulation disorder in children with attention-deficit/hyperactivity disorder. <i>Journal of Affective Disorders</i> , 2021, 278, 502-505.	4.1	3
84	Inter-individual performance differences in the stop-signal task are associated with fibre-specific microstructure of the fronto-basal-ganglia circuit in healthy children. <i>Cortex</i> , 2021, 142, 283-295.	2.4	3
85	Neural correlates of irritability in a community sample of children. <i>Journal of Affective Disorders</i> , 2021, 292, 223-226.	4.1	3
86	Longitudinal maturation of resting state networks: Relevance to sustained attention and attention deficit/hyperactivity disorder. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2022, 22, 1432-1446.	2.0	3
87	Epigenetic Influences on Neurodevelopment at 11 Years of Age: Protocol for the Longitudinal Peri/Postnatal Epigenetic Twins Study at 11 Years of Age (PETS@11). <i>Twin Research and Human Genetics</i> , 2019, 22, 446-453.	0.6	2
88	Age-related resting-state functional connectivity of the Vigilant Attention network in children and adolescents. <i>Brain and Cognition</i> , 2021, 154, 105791.	1.8	1
89	Prefrontal and frontostriatal structures mediate academic outcomes associated with ADHD symptoms. <i>Brain Disorders</i> , 2021, 4, 100023.	1.7	1
90	Editorial: Understanding the Link Between the Developing Brain and Behavior in Adolescents. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 663454.	2.0	0

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91	Effects of dietary omega-3 intake on vigilant attention and resting-state functional connectivity in neurotypical children and adolescents. <i>Nutritional Neuroscience</i> , 2021, , 1-10.	3.1	0