

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 | 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 |
| 2 | 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 |
| 3 | OSARI, an Open-Source Anticipated Response Inhibition Task. <i>Behavior Research Methods</i> , 2022, 54, 1530-1540. | 4.0 | 5 |
| 4 | Virtual Ontogeny of Cortical Growth Preceding Mental Illness. <i>Biological Psychiatry</i> , 2022, 92, 299-313. | 1.3 | 11 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | Manual dexterity in late childhood is associated with maturation of the corticospinal tract. <i>NeuroImage</i> , 2021, 226, 117583. | 4.2 | 13 |
| 14 | Virtual Histology of Cortical Thickness and Shared Neurobiology in 6 Psychiatric Disorders. <i>JAMA Psychiatry</i> , 2021, 78, 47. | 11.0 | 136 |
| 15 | 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 |
| 16 | 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 |
| 17 | A longitudinal analysis of puberty-related cortical development. <i>NeuroImage</i> , 2021, 228, 117684. | 4.2 | 34 |
| 18 | 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 |

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|----|--|-----|-----------|
| 19 | ENIGMA Sleep: Challenges, opportunities, and the road map. <i>Journal of Sleep Research</i> , 2021, 30, e13347. | 3.2 | 19 |
| 20 | The development of structural covariance networks during the transition from childhood to adolescence. <i>Scientific Reports</i> , 2021, 11, 9451. | 3.3 | 22 |
| 21 | Editorial: Understanding the Link Between the Developing Brain and Behavior in Adolescents. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 663454. | 2.0 | 0 |
| 22 | White matter tract signatures of fiber density and morphology in ADHD. <i>Cortex</i> , 2021, 138, 329-340. | 2.4 | 23 |
| 23 | Associations between sleep, daytime sleepiness and functional outcomes in adolescents with ADHD. <i>Sleep Medicine</i> , 2021, 87, 174-182. | 1.6 | 9 |
| 24 | The effects of puberty and its hormones on subcortical brain development. <i>Comprehensive Psychoneuroendocrinology</i> , 2021, 7, 100074. | 1.7 | 10 |
| 25 | 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 |
| 26 | 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 |
| 27 | Neural correlates of irritability in a community sample of children. <i>Journal of Affective Disorders</i> , 2021, 292, 223-226. | 4.1 | 3 |
| 28 | 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 |
| 29 | Fixel-based Analysis of Diffusion MRI: Methods, Applications, Challenges and Opportunities. <i>NeuroImage</i> , 2021, 241, 118417. | 4.2 | 117 |
| 30 | 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 |
| 31 | Prefrontal and frontostriatal structures mediate academic outcomes associated with ADHD symptoms. <i>Brain Disorders</i> , 2021, 4, 100023. | 1.7 | 1 |
| 32 | 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 |
| 33 | ADHD at Age 7 and Functional Impairments at Age 10. <i>Pediatrics</i> , 2020, 146, . | 2.1 | 11 |
| 34 | 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 |
| 35 | Meta-analysis of the neural correlates of vigilant attention in children and adolescents. <i>Cortex</i> , 2020, 132, 374-385. | 2.4 | 11 |
| 36 | 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 |

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|----|---|------|-----------|
| 37 | 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 |
| 38 | 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 |
| 39 | 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 |
| 40 | 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 |
| 41 | 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 |
| 42 | A network analysis approach to ADHD symptoms: More than the sum of its parts. <i>PLoS ONE</i> , 2019, 14, e0211053. | 2.5 | 32 |
| 43 | 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 |
| 44 | A Neuroethics Framework for the Australian Brain Initiative. <i>Neuron</i> , 2019, 101, 365-369. | 8.1 | 11 |
| 45 | 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 |
| 46 | 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 |
| 47 | Multimodal Structural Neuroimaging Markers of Brain Development and ADHD Symptoms. <i>American Journal of Psychiatry</i> , 2019, 176, 57-66. | 7.2 | 30 |
| 48 | 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 |
| 49 | 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 |
| 50 | 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 |
| 51 | 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 |
| 52 | 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 |
| 53 | Altered structural connectivity in ADHD: a network based analysis. <i>Brain Imaging and Behavior</i> , 2017, 11, 846-858. | 2.1 | 70 |
| 54 | Neurite density index is sensitive to age related differences in the developing brain. <i>NeuroImage</i> , 2017, 148, 373-380. | 4.2 | 101 |

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|----|---|-----|-----------|
| 55 | Research Review: Language problems in children with Attentionâ€Deficit Hyperactivity Disorder â€ a systematic metaâ€analytic review. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2017, 58, 640-654. | 5.2 | 73 |
| 56 | White matter microstructure in boys with persistent depressive disorder. <i>Journal of Affective Disorders</i> , 2017, 221, 11-16. | 4.1 | 17 |
| 57 | 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 |
| 58 | White matter alterations at pubertal onset. <i>NeuroImage</i> , 2017, 156, 286-292. | 4.2 | 47 |
| 59 | Atypical neuronal activation during a spatial working memory task in 13â€yearâ€old very preterm children. <i>Human Brain Mapping</i> , 2017, 38, 6172-6184. | 3.6 | 10 |
| 60 | 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 |
| 61 | 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 |
| 62 | 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 |
| 63 | 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 |
| 64 | 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 |
| 65 | Developmental brain trajectories in children with ADHD and controls: a longitudinal neuroimaging study. <i>BMC Psychiatry</i> , 2016, 16, 59. | 2.6 | 54 |
| 66 | 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 |
| 67 | 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 |
| 68 | 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 |
| 69 | Comorbidity and correlates of disruptive mood dysregulation disorder in 6â€8-year-old children with ADHD. <i>European Child and Adolescent Psychiatry</i> , 2016, 25, 321-330. | 4.7 | 48 |
| 70 | 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 |
| 71 | 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 |
| 72 | The emergence of ageâ€dependent social cognitive deficits after generalized insult to the developing brain: A longitudinal prospective analysis using susceptibilityâ€weighted imaging. <i>Human Brain Mapping</i> , 2015, 36, 1677-1691. | 3.6 | 49 |

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|----|---|-----|-----------|
| 73 | 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 |
| 74 | 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 |
| 75 | 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 |
| 76 | Cavum septum pellucidum in pediatric traumatic brain injury. <i>Psychiatry Research - Neuroimaging</i> , 2013, 213, 186-192. | 1.8 | 15 |
| 77 | White matter abnormalities in pediatric obsessive-compulsive disorder. <i>Psychiatry Research - Neuroimaging</i> , 2013, 213, 154-160. | 1.8 | 30 |
| 78 | 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 |
| 79 | Brain extraction using the watershed transform from markers. <i>Frontiers in Neuroinformatics</i> , 2013, 7, 32. | 2.5 | 36 |
| 80 | Lessons About Neurodevelopment From Anatomical Magnetic Resonance Imaging. <i>Journal of Developmental and Behavioral Pediatrics</i> , 2011, 32, 158-168. | 1.1 | 56 |
| 81 | 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 |
| 82 | 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 |
| 83 | 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 |
| 84 | 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 |
| 85 | Human Medial Frontal Cortex Activity Predicts Learning from Errors. <i>Cerebral Cortex</i> , 2008, 18, 1933-1940. | 2.9 | 60 |
| 86 | 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 |
| 87 | 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 |
| 88 | 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 |
| 89 | 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 |
| 90 | Mathematically gifted male adolescents activate a unique brain network during mental rotation. <i>Cognitive Brain Research</i> , 2005, 25, 583-587. | 3.0 | 118 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 91 | Neural correlates of the emergence of consciousness of thirst. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 15241-15246. | 7.1 | 145 |