

# Moriah E Thomason

## List of Publications by Year in descending order

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95  
papers

7,568  
citations

61984

43  
h-index

56724

83  
g-index

105  
all docs

105  
docs citations

105  
times ranked

9750  
citing authors

#	ARTICLE	IF	CITATIONS
1	Immature Frontal Lobe Contributions to Cognitive Control in Children. <i>Neuron</i> , 2002, 33, 301-311.	8.1	1,178
2	Default-Mode and Task-Positive Network Activity in Major Depressive Disorder: Implications for Adaptive and Maladaptive Rumination. <i>Biological Psychiatry</i> , 2011, 70, 327-333.	1.3	646
3	Unraveling the Miswired Connectome: A Developmental Perspective. <i>Neuron</i> , 2014, 83, 1335-1353.	8.1	299
4	Diffusion Imaging, White Matter, and Psychopathology. <i>Annual Review of Clinical Psychology</i> , 2011, 7, 63-85.	12.3	281
5	Childhood Trauma Exposure Disrupts the Automatic Regulation of Emotional Processing. <i>Neuropsychopharmacology</i> , 2015, 40, 1250-1258.	5.4	214
6	What is a representative brain? Neuroscience meets population science. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17615-17622.	7.1	198
7	Development of Spatial and Verbal Working Memory Capacity in the Human Brain. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 316-332.	2.3	195
8	Amygdala reactivity to emotional faces predicts improvement in major depression. <i>NeuroReport</i> , 2005, 16, 1267-1270.	1.2	190
9	Dynamic functional connectivity of neurocognitive networks in children. <i>Human Brain Mapping</i> , 2017, 38, 97-108.	3.6	183
10	Cross-Hemispheric Functional Connectivity in the Human Fetal Brain. <i>Science Translational Medicine</i> , 2013, 5, 173ra24.	12.4	171
11	Breath holding reveals differences in fMRI BOLD signal in children and adults. <i>NeuroImage</i> , 2005, 25, 824-837.	4.2	163
12	Brain activation to emotional words in depressed vs healthy subjects. <i>NeuroReport</i> , 2004, 15, 2585-2588.	1.2	146
13	Resting-state fMRI can reliably map neural networks in children. <i>NeuroImage</i> , 2011, 55, 165-175.	4.2	146
14	Testosterone Rapidly Increases Neural Reactivity to Threat in Healthy Men: A Novel Two-Step Pharmacological Challenge Paradigm. <i>Biological Psychiatry</i> , 2014, 76, 324-331.	1.3	143
15	Age-related changes in the structure and function of prefrontal cortexâ€“amygdala circuitry in children and adolescents: A multi-modal imaging approach. <i>NeuroImage</i> , 2014, 86, 212-220.	4.2	139
16	Default-mode function and task-induced deactivation have overlapping brain substrates in children. <i>NeuroImage</i> , 2008, 41, 1493-1503.	4.2	130
17	Enhancing Cognitive Abilities with Comprehensive Training: A Large, Online, Randomized, Active-Controlled Trial. <i>PLoS ONE</i> , 2015, 10, e0134467.	2.5	128
18	Weak functional connectivity in the human fetal brain prior to preterm birth. <i>Scientific Reports</i> , 2017, 7, 39286.	3.3	128

#	ARTICLE	IF	CITATIONS
19	Age-related increases in long-range connectivity in fetal functional neural connectivity networks in utero. <i>Developmental Cognitive Neuroscience</i> , 2015, 11, 96-104.	4.0	127
20	Mapping and correction of vascular hemodynamic latency in the BOLD signal. <i>NeuroImage</i> , 2008, 43, 90-102.	4.2	119
21	Calibration of BOLD fMRI using breath holding reduces group variance during a cognitive task. <i>Human Brain Mapping</i> , 2007, 28, 59-68.	3.6	117
22	Altered amygdala connectivity in urban youth exposed to trauma. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 1460-1468.	3.0	105
23	Intrinsic Functional Brain Architecture Derived from Graph Theoretical Analysis in the Human Fetus. <i>PLoS ONE</i> , 2014, 9, e94423.	2.5	101
24	Differences in resting corticolimbic functional connectivity in bipolar I euthymia. <i>Bipolar Disorders</i> , 2013, 15, 156-166.	1.9	96
25	Functional Connectivity of the Human Brain in Utero. <i>Trends in Cognitive Sciences</i> , 2016, 20, 931-939.	7.8	94
26	Comparison of spiral-in/out and spiral-out BOLD fMRI at 1.5 and 3 T. <i>NeuroImage</i> , 2004, 21, 291-301.	4.2	93
27	Functional Connectome of the Fetal Brain. <i>Journal of Neuroscience</i> , 2019, 39, 9716-9724.	3.6	88
28	Functional plasticity before the cradle: A review of neural functional imaging in the human fetus. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 2220-2232.	6.1	86
29	Sex differences in functional connectivity during fetal brain development. <i>Developmental Cognitive Neuroscience</i> , 2019, 36, 100632.	4.0	84
30	Vector autoregression, structural equation modeling, and their synthesis in neuroimaging data analysis. <i>Computers in Biology and Medicine</i> , 2011, 41, 1142-1155.	7.0	82
31	You say "prefrontal cortex"™ and I say "anterior cingulate"™: meta-analysis of spatial overlap in amygdala-to-prefrontal connectivity and internalizing symptomology. <i>Translational Psychiatry</i> , 2016, 6, e944-e944.	4.8	77
32	Disrupted insula-based neural circuit organization and conflict interference in trauma-exposed youth. <i>NeuroImage: Clinical</i> , 2015, 8, 516-525.	2.7	76
33	Toward understanding the impact of trauma on the early developing human brain. <i>Neuroscience</i> , 2017, 342, 55-67.	2.3	75
34	Hubs in the human fetal brain network. <i>Developmental Cognitive Neuroscience</i> , 2018, 30, 108-115.	4.0	75
35	Stress-induced activation of the HPA axis predicts connectivity between subgenual cingulate and salience network during rest in adolescents. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2011, 52, 1026-1034.	5.2	63
36	COMT genotype affects prefrontal white matter pathways in children and adolescents. <i>NeuroImage</i> , 2010, 53, 926-934.	4.2	62

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37	Prenatal lead exposure impacts cross-hemispheric and long-range connectivity in the human fetal brain. <i>NeuroImage</i> , 2019, 191, 186-192.	4.2	57
38	Controlled inspiration depth reduces variance in breath-holding-induced BOLD signal. <i>NeuroImage</i> , 2008, 39, 206-214.	4.2	55
39	Neural and behavioral responses to threatening emotion faces in children as a function of the short allele of the serotonin transporter gene. <i>Biological Psychology</i> , 2010, 85, 38-44.	2.2	55
40	An fMRI study of cerebrovascular reactivity and perfusion in obstructive sleep apnea patients before and after CPAP treatment. <i>Sleep Medicine</i> , 2014, 15, 892-898.	1.6	51
41	Anxiety Modulates Insula Recruitment in Resting-State Functional Magnetic Resonance Imaging in Youth and Adults. <i>Brain Connectivity</i> , 2011, 1, 245-254.	1.7	50
42	Functional and structural differences in the hippocampus associated with memory deficits in adult survivors of acute lymphoblastic leukemia. <i>Pediatric Blood and Cancer</i> , 2013, 60, 293-300.	1.5	49
43	Development of Brain Networks In Utero: Relevance for Common Neural Disorders. <i>Biological Psychiatry</i> , 2020, 88, 40-50.	1.3	49
44	Prenatal neural origins of infant motor development: Associations between fetal brain and infant motor development. <i>Development and Psychopathology</i> , 2018, 30, 763-772.	2.3	48
45	BDNF genotype modulates resting functional connectivity in children. <i>Frontiers in Human Neuroscience</i> , 2009, 3, 55.	2.0	46
46	Maternal stress during pregnancy alters fetal cortico-cerebellar connectivity in utero and increases child sleep problems after birth. <i>Scientific Reports</i> , 2021, 11, 2228.	3.3	45
47	The stimuli drive the response: An fMRI study of youth processing adult or child emotional face stimuli. <i>NeuroImage</i> , 2013, 83, 679-689.	4.2	42
48	Socioeconomic disadvantage and altered corticostriatal circuitry in urban youth. <i>Human Brain Mapping</i> , 2018, 39, 1982-1994.	3.6	40
49	Changes in social support of pregnant and postnatal mothers during the COVID-19 pandemic. <i>Midwifery</i> , 2021, 103, 103162.	2.3	40
50	Amygdala habituation and uncinate fasciculus connectivity in adolescence: A multi-modal approach. <i>NeuroImage</i> , 2018, 183, 617-626.	4.2	39
51	Amygdala responses to salient social cues vary with oxytocin receptor genotype in youth. <i>Neuropsychologia</i> , 2015, 79, 1-9.	1.6	38
52	Developmental variation in regional brain iron and its relation to cognitive functions in childhood. <i>Developmental Cognitive Neuroscience</i> , 2018, 34, 18-26.	4.0	33
53	Interactive relations between maternal prenatal stress, fetal brain connectivity, and gestational age at delivery. <i>Neuropsychopharmacology</i> , 2021, 46, 1839-1847.	5.4	33
54	Measuring venous blood oxygenation in fetal brain using susceptibility-weighted imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 998-1006.	3.4	31

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55	A Method for handling intensity inhomogeneities in fMRI sequences of moving anatomy of the early developing brain. <i>Medical Image Analysis</i> , 2014, 18, 285-300.	11.6	29
56	What's parenting got to do with it: emotional autonomy and brain and behavioral responses to emotional conflict in children and adolescents. <i>Developmental Science</i> , 2018, 21, e12605.	2.4	29
57	Fetal Magnetic Resonance Imaging at 3.0 T. <i>Topics in Magnetic Resonance Imaging</i> , 2011, 22, 119-131.	1.2	27
58	An examination of maternal prenatal BMI and human fetal brain development. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2021, 62, 458-469.	5.2	23
59	Automated Brain Masking of Fetal Functional MRI with Open Data. <i>Neuroinformatics</i> , 2021, , 1.	2.8	23
60	Convergent behavioral and corticolimbic connectivity evidence of a negativity bias in children and adolescents. <i>Social Cognitive and Affective Neuroscience</i> , 2017, 12, 517-525.	3.0	22
61	MR venography of the fetal brain using susceptibility weighted imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 949-957.	3.4	19
62	A Neural Substrate for Behavioral Inhibition in the Risk for Major Depressive Disorder. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2015, 54, 841-848.	0.5	19
63	Interactive effects of BDNF Val66Met genotype and trauma on limbic brain anatomy in childhood. <i>European Child and Adolescent Psychiatry</i> , 2016, 25, 509-518.	4.7	19
64	Reduced Ventral Tegmental Area-Hippocampal Connectivity in Children and Adolescents Exposed to Early Threat. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2017, 2, 130-137.	1.5	19
65	Children in Non-Clinical Functional Magnetic Resonance Imaging (fMRI) Studies Give the Scan Experience a "Thumbs Up". <i>American Journal of Bioethics</i> , 2009, 9, 25-27.	0.9	17
66	Impact of maternal childhood trauma on child behavioral problems: The role of child frontal alpha asymmetry. <i>Developmental Psychobiology</i> , 2020, 62, 154-169.	1.6	16
67	Structured Spontaneity: Building Circuits in the Human Prenatal Brain. <i>Trends in Neurosciences</i> , 2018, 41, 1-3.	8.6	15
68	Is fetal MRI ready for neuroimaging prime time? An examination of progress and remaining areas for development. <i>Developmental Cognitive Neuroscience</i> , 2021, 51, 100999.	4.0	14
69	Idle Behaviors of the Hippocampus Reflect Endogenous Cortisol Levels in Youth. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2013, 52, 642-652.e1.	0.5	13
70	Cortical and subcortical response to the anticipation of reward in high and average/low risk-taking adolescents. <i>Developmental Cognitive Neuroscience</i> , 2020, 44, 100798.	4.0	13
71	Miswiring the brain: Human prenatal $\delta^9$ -tetrahydrocannabinol use associated with altered fetal hippocampal brain network connectivity. <i>Developmental Cognitive Neuroscience</i> , 2021, 51, 101000.	4.0	13
72	Innovative methods for remote assessment of neurobehavioral development. <i>Developmental Cognitive Neuroscience</i> , 2021, 52, 101015.	4.0	12

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73	Improving Perinatal Maternal Mental Health Starts With Addressing Structural Inequities. JAMA Psychiatry, 2022, 79, 387.	11.0	12
74	COMT genotype and resting brain perfusion in children. NeuroImage, 2009, 48, 217-222.	4.2	10
75	Using the Actor-Partner Interdependence Model to assess maternal and infant contributions to mother-infant affective exchanges during the Still-Face Paradigm. , 2019, 57, 101351.		10
76	Behavioral activation sensitivity and default mode network-subgenual cingulate cortex connectivity in youth. Behavioural Brain Research, 2017, 333, 135-141.	2.2	7
77	Household Chaos and Early Childhood Behavior Problems: The Moderating Role of Mother's Child Reciprocity in Lower-Income Families. Family Relations, 2021, 70, 1040-1054.	1.9	7
78	Interpreting Age Effects of Human Fetal Brain from Spontaneous fMRI Using Deep 3D Convolutional Neural Networks. , 2020, , .		6
79	Sex-specific effects of prenatal undernutrition on resting-state functional connectivity in the human brain at age 68. Neurobiology of Aging, 2022, 112, 129-138.	3.1	6
80	A survey of protocols from 54 infant and toddler neuroimaging research labs. Developmental Cognitive Neuroscience, 2022, 54, 101060.	4.0	6
81	Empirical evaluation of human fetal fMRI preprocessing steps. Network Neuroscience, 0, , 1-20.	2.6	6
82	Perceived discrimination as a modifier of health, disease, and medicine: empirical data from the COVID-19 pandemic. Translational Psychiatry, 2022, 12, .	4.8	6
83	Within-subject neural reactivity to reward and threat is inverted in young adolescents. Psychological Medicine, 2017, 47, 1549-1560.	4.5	5
84	Inclusion of American Indians and Alaskan Natives in Large National Studies: Ethical Considerations and Implications for Biospecimen Collection in the Healthy Brain and Child Development Study. Adversity and Resilience Science, 2020, 1, 285-294.	2.6	5
85	Fetal Hippocampal Connectivity Shows Dissociable Associations with Maternal Cortisol and Self-Reported Distress during Pregnancy. Life, 2022, 12, 943.	2.4	5
86	Associations Between Prenatal Maternal Cortisol Levels and the Developing Human Brain. Biological Psychiatry, 2020, 87, S126.	1.3	4
87	COVID-19 patient accounts of illness severity, treatments and lasting symptoms. Scientific Data, 2022, 9, 2.	5.3	3
88	Standards for Objectivity and Reproducibility in High-Impact Developmental Studies—The COVID-19 Pandemic and Beyond. JAMA Pediatrics, 2022, 176, 227.	6.2	3
89	Maternal caregiving representations of the infant in the first year of life: Associations with prenatal and concurrent reflective functioning. Infant Mental Health Journal, 2021, , .	1.8	3
90	Factors associated with parent views about participation in infant MRI research provide guidance for the design of the Healthy Brain and Child Development (HBCD) study. Developmental Cognitive Neuroscience, 2021, 50, 100986.	4.0	2

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91	Evaluation of connectivity measures and anatomical features for statistical brain networks. , 2011, , .		1
92	Fetal Amygdala Functional Connectivity Relates to Autism Spectrum Disorder Traits at Age 3. Biological Psychiatry, 2021, 89, S29.	1.3	1
93	Magnetic resonance imaging (MRI). , 0, , 121-128.		0
94	Hippocampal Functional Connectivity Variation in Cannabis Exposed Human Fetuses. Biological Psychiatry, 2020, 87, S181.	1.3	0
95	Stakeholder Perspectives on Advancing Understanding of Prenatal Opioid Exposure and Brain Development From the iOPEN Consortium of the Healthy Brain and Child Development Study. Frontiers in Psychology, 2021, 12, 698766.	2.1	0