

Rebecca Knickmeyer

List of Publications by Year in descending order

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84
papers

10,825
citations

81900

39
h-index

74163

75
g-index

89
all docs

89
docs citations

89
times ranked

12398
citing authors

#	ARTICLE	IF	CITATIONS
1	A Structural MRI Study of Human Brain Development from Birth to 2 Years. <i>Journal of Neuroscience</i> , 2008, 28, 12176-12182.	3.6	926
2	Sex Differences in the Brain: Implications for Explaining Autism. <i>Science</i> , 2005, 310, 819-823.	12.6	915
3	2nd to 4th digit ratios, fetal testosterone and estradiol. <i>Early Human Development</i> , 2004, 77, 23-28.	1.8	809
4	Clinical practice guidelines for the care of girls and women with Turner syndrome: proceedings from the 2016 Cincinnati International Turner Syndrome Meeting. <i>European Journal of Endocrinology</i> , 2017, 177, G1-G70.	3.7	771
5	Imaging structural and functional brain development in early childhood. <i>Nature Reviews Neuroscience</i> , 2018, 19, 123-137.	10.2	549
6	Why Are Autism Spectrum Conditions More Prevalent in Males?. <i>PLoS Biology</i> , 2011, 9, e1001081.	5.6	543
7	The Autism-Spectrum Quotient (AQ)â€™ Adolescent Version. <i>Journal of Autism and Developmental Disorders</i> , 2006, 36, 343-350.	2.7	394
8	Regional Gray Matter Growth, Sexual Dimorphism, and Cerebral Asymmetry in the Neonatal Brain. <i>Journal of Neuroscience</i> , 2007, 27, 1255-1260.	3.6	389
9	Longitudinal Development of Cortical and Subcortical Gray Matter from Birth to 2 Years. <i>Cerebral Cortex</i> , 2012, 22, 2478-2485.	2.9	377
10	Fetal testosterone and autistic traits. <i>British Journal of Psychology</i> , 2009, 100, 1-22.	2.3	376
11	ENIGMA and global neuroscience: A decade of large-scale studies of the brain in health and disease across more than 40 countries. <i>Translational Psychiatry</i> , 2020, 10, 100.	4.8	365
12	Infant Gut Microbiome Associated With Cognitive Development. <i>Biological Psychiatry</i> , 2018, 83, 148-159.	1.3	362
13	Fetal testosterone and empathy: Evidence from the Empathy Quotient (EQ) and the â€™Reading the Mind in the Eyesâ€™-Test. <i>Social Neuroscience</i> , 2006, 1, 135-148.	1.3	313
14	Fetal Testosterone Predicts Sexually Differentiated Childhood Behavior in Girls and in Boys. <i>Psychological Science</i> , 2009, 20, 144-148.	3.3	272
15	Elevated rates of testosterone-related disorders in women with autism spectrum conditions. <i>Hormones and Behavior</i> , 2007, 51, 597-604.	2.1	246
16	Foetal testosterone, social relationships, and restricted interests in children. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2005, 46, 198-210.	5.2	225
17	Topical Review: Fetal Testosterone and Sex Differences in Typical Social Development and in Autism. <i>Journal of Child Neurology</i> , 2006, 21, 825-845.	1.4	215
18	Fetal testosterone and empathy. <i>Hormones and Behavior</i> , 2006, 49, 282-292.	2.1	173

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19	Androgens and autistic traits: A study of individuals with congenital adrenal hyperplasia. <i>Hormones and Behavior</i> , 2006, 50, 148-153.	2.1	170
20	Maternal Influenza Infection During Pregnancy Impacts Postnatal Brain Development in the Rhesus Monkey. <i>Biological Psychiatry</i> , 2010, 67, 965-973.	1.3	161
21	Common Variants in Psychiatric Risk Genes Predict Brain Structure at Birth. <i>Cerebral Cortex</i> , 2014, 24, 1230-1246.	2.9	125
22	Genetic and environmental contributions to neonatal brain structure: A twin study. <i>Human Brain Mapping</i> , 2010, 31, 1174-1182.	3.6	115
23	Fetal testosterone and sex differences. <i>Early Human Development</i> , 2006, 82, 755-760.	1.8	108
24	2D:4D ratios in the first 2years of life: Stability and relation to testosterone exposure and sensitivity. <i>Hormones and Behavior</i> , 2011, 60, 256-263.	2.1	104
25	Large-scale GWAS reveals genetic architecture of brain white matter microstructure and genetic overlap with cognitive and mental health traits (n=17,706). <i>Molecular Psychiatry</i> , 2021, 26, 3943-3955.	7.9	100
26	Foetal testosterone and the child systemizing quotient. <i>European Journal of Endocrinology</i> , 2006, 155, S123-S130.	3.7	99
27	Maturational Trajectories of Cortical Brain Development through the Pubertal Transition: Unique Species and Sex Differences in the Monkey Revealed through Structural Magnetic Resonance Imaging. <i>Cerebral Cortex</i> , 2010, 20, 1053-1063.	2.9	92
28	Gut microbiome and brain functional connectivity in infants-a preliminary study focusing on the amygdala. <i>Psychopharmacology</i> , 2019, 236, 1641-1651.	3.1	91
29	Impact of Sex and Gonadal Steroids on Neonatal Brain Structure. <i>Cerebral Cortex</i> , 2014, 24, 2721-2731.	2.9	88
30	Sex-typical Play: Masculinization/Defeminization in Girls with an Autism Spectrum Condition. <i>Journal of Autism and Developmental Disorders</i> , 2008, 38, 1028-1035.	2.7	79
31	Brain enlargement and increased behavioral and cytokine reactivity in infant monkeys following acute prenatal endotoxemia. <i>Behavioural Brain Research</i> , 2011, 219, 108-115.	2.2	79
32	Prenatal Testosterone in Mind. , 2004, , .		70
33	Gender-Typed Play and Amniotic Testosterone.. <i>Developmental Psychology</i> , 2005, 41, 517-528.	1.6	68
34	Effects of Fetal Testosterone on Visuospatial Ability. <i>Archives of Sexual Behavior</i> , 2012, 41, 571-581.	1.9	63
35	Environmental Influences on Infant Cortical Thickness and Surface Area. <i>Cerebral Cortex</i> , 2019, 29, 1139-1149.	2.9	60
36	Antenatal depression, treatment with selective serotonin reuptake inhibitors, and neonatal brain structure: A propensity-matched cohort study. <i>Psychiatry Research - Neuroimaging</i> , 2016, 253, 43-53.	1.8	54

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37	Age of menarche in females with autism spectrum conditions. <i>Developmental Medicine and Child Neurology</i> , 2006, 48, 1007.	2.1	52
38	Impact of Demographic and Obstetric Factors on Infant Brain Volumes: A Population Neuroscience Study. <i>Cerebral Cortex</i> , 2017, 27, 5616-5625.	2.9	50
39	Diffusion Tensor Imaging-Based Characterization of Brain Neurodevelopment in Primates. <i>Cerebral Cortex</i> , 2013, 23, 36-48.	2.9	49
40	Turner syndrome. <i>Current Opinion in Neurology</i> , 2012, 25, 144-149.	3.6	47
41	The UNC-Wisconsin Rhesus Macaque Neurodevelopment Database: A Structural MRI and DTI Database of Early Postnatal Development. <i>Frontiers in Neuroscience</i> , 2017, 11, 29.	2.8	45
42	White matter microstructural development and cognitive ability in the first 2 years of life. <i>Human Brain Mapping</i> , 2019, 40, 1195-1210.	3.6	44
43	Genetic influences on neonatal cortical thickness and surface area. <i>Human Brain Mapping</i> , 2018, 39, 4998-5013.	3.6	43
44	A review on neuroimaging studies of genetic and environmental influences on early brain development. <i>NeuroImage</i> , 2019, 185, 802-812.	4.2	42
45	FGWAS: Functional genome wide association analysis. <i>NeuroImage</i> , 2017, 159, 107-121.	4.2	39
46	FVGWAS: Fast voxelwise genome wide association analysis of large-scale imaging genetic data. <i>NeuroImage</i> , 2015, 118, 613-627.	4.2	38
47	Infant gut microbiome composition is associated with non-social fear behavior in a pilot study. <i>Nature Communications</i> , 2021, 12, 3294.	12.8	36
48	Turner syndrome and sexual differentiation of the brain: implications for understanding male-biased neurodevelopmental disorders. <i>Journal of Neurodevelopmental Disorders</i> , 2011, 3, 293-306.	3.1	35
49	Genome-wide association analysis identifies common variants influencing infant brain volumes. <i>Translational Psychiatry</i> , 2017, 7, e1188-e1188.	4.8	27
50	Cortical Structure and Cognition in Infants and Toddlers. <i>Cerebral Cortex</i> , 2020, 30, 786-800.	2.9	25
51	Placental genomic risk scores and early neurodevelopmental outcomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	25
52	A preliminary study of gut microbiome variation and HPA axis reactivity in healthy infants. <i>Psychoneuroendocrinology</i> , 2021, 124, 105046.	2.7	21
53	Automatic brain segmentation in rhesus monkeys. , 2007, 6512, 883.		20
54	Twin-Singleton Differences in Neonatal Brain Structure. <i>Twin Research and Human Genetics</i> , 2011, 14, 268-276.	0.6	20

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55	Multiple SNP Set Analysis for Genome-Wide Association Studies Through Bayesian Latent Variable Selection. <i>Genetic Epidemiology</i> , 2015, 39, 664-677.	1.3	19
56	Rate of Chiari I Malformation in Children of Mothers with Depression with and without Prenatal SSRI Exposure. <i>Neuropsychopharmacology</i> , 2014, 39, 2611-2621.	5.4	17
57	General anaesthesia during infancy reduces white matter micro-organisation in developing rhesus monkeys. <i>British Journal of Anaesthesia</i> , 2021, 126, 845-853.	3.4	17
58	Fetal testosterone and autistic traits: A response to three fascinating commentaries. <i>British Journal of Psychology</i> , 2009, 100, 39-47.	2.3	15
59	Projection Regression Models for Multivariate Imaging Phenotype. <i>Genetic Epidemiology</i> , 2012, 36, 631-641.	1.3	15
60	Environmental and Genetic Contributors to Salivary Testosterone Levels in Infants. <i>Frontiers in Endocrinology</i> , 2014, 5, 187.	3.5	15
61	The Turner syndrome research registry: Creating equipoise between investigators and participants. <i>American Journal of Medical Genetics, Part C: Seminars in Medical Genetics</i> , 2019, 181, 7-12.	1.6	15
62	Altered Brain Structure in Infants with Turner Syndrome. <i>Cerebral Cortex</i> , 2020, 30, 587-596.	2.9	15
63	The deep biology of cognition: Moving toward a comprehensive neurodevelopmental model of Turner syndrome. <i>American Journal of Medical Genetics, Part C: Seminars in Medical Genetics</i> , 2019, 181, 51-59.	1.6	12
64	Metabolite trajectories across the perinatal period and mental health: A preliminary study of tryptophan-related metabolites, bile acids and microbial composition. <i>Behavioural Brain Research</i> , 2022, 418, 113635.	2.2	12
65	How to Test the Extreme Male Brain Theory of Autism in Terms of Foetal Androgens?. <i>Journal of Autism and Developmental Disorders</i> , 2008, 38, 995-996.	2.7	10
66	Structured Genome-Wide Association Studies with Bayesian Hierarchical Variable Selection. <i>Genetics</i> , 2019, 212, 397-415.	2.9	10
67	Genome-wide association analysis of secondary imaging phenotypes from the Alzheimer's disease neuroimaging initiative study. <i>NeuroImage</i> , 2017, 146, 983-1002.	4.2	7
68	Automatic regional analysis of DTI properties in the developmental macaque brain. <i>Proceedings of SPIE</i> , 2008, , .	0.8	4
69	Age of menarche in females with autism spectrum conditions. <i>Developmental Medicine and Child Neurology</i> , 2006, 48, 1007-1008.	2.1	3
70	Genome-Wide Association Analysis of Neonatal White Matter Microstructure. <i>Cerebral Cortex</i> , 2021, 31, 933-948.	2.9	3
71	Assessing Prenatal and Neonatal Gonadal Steroid Exposure for Studies of Human Development: Methodological and Theoretical Challenges. <i>Frontiers in Endocrinology</i> , 2014, 5, 242.	3.5	2
72	Imaging and rare APOE alleles. <i>Neurology</i> , 2016, 87, 558-559.	1.1	2

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73	Early Development of Infants with Turner Syndrome. Journal of Developmental and Behavioral Pediatrics, 2020, 41, 470-479.	1.1	2
74	Influence of Gonadal Steroids on Cortical Surface Area in Infancy. Cerebral Cortex, 2021, , .	2.9	2
75	Why is Autism More Common in Males?. , 2014, , 451-470.		1
76	Impact of gonadectomy on maturational changes in brain volume in adolescent macaques. Psychoneuroendocrinology, 2021, 124, 105068.	2.7	1
77	HFPRM: Hierarchical Functional Principal Regression Model for Diffusion Tensor Image Bundle Statistics. Lecture Notes in Computer Science, 2017, 10265, 478-489.	1.3	1
78	Early Intervention. , 2013, , 1031-1032.		0
79	528. Cognitive Ability is Related to White Matter Tract Integrity in 1-Year-Olds. Biological Psychiatry, 2017, 81, S214.	1.3	0
80	Bayesian Feature Selection for Ultrahigh Dimensional Imaging Genetics Data. , 2018, , 135-145.		0
81	Neurodevelopment in turner syndrome. , 2021, , 253-263.		0
82	Extreme Male Brain (EMB) Theory. , 2021, , 1909-1918.		0
83	Turner syndrome: language profile of young girls at 12 and 24 months of age. Journal of Neurodevelopmental Disorders, 2021, 13, 52.	3.1	0
84	TwinEQTl: ultrafast and powerful association analysis for eQTL and GWAS in twin studies. Genetics, 2022, 221, .	2.9	0