Rebecca Knickmeyer

List of Publications by Year
in descending order

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	Metabolite trajectories across the perinatal period and mental health: A preliminary study of tryptophan-related metabolites, bile acids and microbial composition. Behavioural Brain Research, 2022, 418, 113635.	2.2	12
2	TwinEQTL: ultrafast and powerful association analysis for eQTL and GWAS in twin studies. Genetics, 2022, 221, .	2.9	0
3	Large-scale GWAS reveals genetic architecture of brain white matter microstructure and genetic overlap with cognitive and mental health traits (nâ€‰=â€‰17,706). Molecular Psychiatry, 2021, 26, 3943-3955.	7.9	100
4	Genome-Wide Association Analysis of Neonatal White Matter Microstructure. Cerebral Cortex, 2021, 31, 933-948.	2.9	3
5	Impact of gonadectomy on maturational changes in brain volume in adolescent macaques. Psychoneuroendocrinology, 2021, 124, 105068.	2.7	1
6	A preliminary study of gut microbiome variation and HPA axis reactivity in healthy infants. Psychoneuroendocrinology, 2021, 124, 105046.	2.7	21
7	Neurodevelopment in turner syndrome. , 2021, , 253-263.		0
8	Extreme Male Brain (EMB) Theory. , 2021, , 1909-1918.		0
9	Placental genomic risk scores and early neurodevelopmental outcomes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	25
10	General anaesthesia during infancy reduces white matter micro-organisation in developing rhesus monkeys. British Journal of Anaesthesia, 2021, 126, 845-853.	3.4	17
11	Infant gut microbiome composition is associated with non-social fear behavior in a pilot study. Nature Communications, 2021, 12, 3294.	12.8	36
12	Turner syndrome: language profile of young girls at 12 and 24 months of age. Journal of Neurodevelopmental Disorders, 2021, 13, 52.	3.1	0
13	Influence of Gonadal Steroids on Cortical Surface Area in Infancy. Cerebral Cortex, 2021, , .	2.9	2
14	Cortical Structure and Cognition in Infants and Toddlers. Cerebral Cortex, 2020, 30, 786-800.	2.9	25
15	Early Development of Infants with Turner Syndrome. Journal of Developmental and Behavioral Pediatrics, 2020, 41, 470-479.	1.1	2
16	Altered Brain Structure in Infants with Turner Syndrome. Cerebral Cortex, 2020, 30, 587-596.	2.9	15
17	ENIGMA and global neuroscience: A decade of large-scale studies of the brain in health and disease across more than 40 countries. Translational Psychiatry, 2020, 10, 100.	4.8	365
18	Structured Genome-Wide Association Studies with Bayesian Hierarchical Variable Selection. Genetics, 2019, 212, 397-415.	2.9	10

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19	The deep biology of cognition: Moving toward a comprehensive neurodevelopmental model of Turner syndrome. American Journal of Medical Genetics, Part C: Seminars in Medical Genetics, 2019, 181, 51-59.	1.6	12
20	The Turner syndrome research registry: Creating equipoise between investigators and participants. American Journal of Medical Genetics, Part C: Seminars in Medical Genetics, 2019, 181, 7-12.	1.6	15
21	Gut microbiome and brain functional connectivity in infants-a preliminary study focusing on the amygdala. Psychopharmacology, 2019, 236, 1641-1651.	3.1	91
22	White matter microstructural development and cognitive ability in the first 2 years of life. Human Brain Mapping, 2019, 40, 1195-1210.	3.6	44
23	Environmental Influences on Infant Cortical Thickness and Surface Area. Cerebral Cortex, 2019, 29, 1139-1149.	2.9	60
24	A review on neuroimaging studies of genetic and environmental influences on early brain development. NeuroImage, 2019, 185, 802-812.	4.2	42
25	Imaging structural and functional brain development in early childhood. Nature Reviews Neuroscience, 2018, 19, 123-137.	10.2	549
26	Infant Gut Microbiome Associated With CognitiveÂDevelopment. Biological Psychiatry, 2018, 83, 148-159.	1.3	362
27	Bayesian Feature Selection for Ultrahigh Dimensional Imaging Genetics Data. , 2018, , 135-145.		0
28	Genetic influences on neonatal cortical thickness and surface area. Human Brain Mapping, 2018, 39, 4998-5013.	3.6	43
29	Impact of Demographic and Obstetric Factors on Infant Brain Volumes: A Population Neuroscience Study. Cerebral Cortex, 2017, 27, 5616-5625.	2.9	50
30	FGWAS: Functional genome wide association analysis. NeuroImage, 2017, 159, 107-121.	4.2	39
31	528. Cognitive Ability is Related to White Matter Tract Integrity in 1-Year-Olds. Biological Psychiatry, 2017, 81, S214.	1.3	0
32	Genome-wide association analysis identifies common variants influencing infant brain volumes. Translational Psychiatry, 2017, 7, e1188-e1188.	4.8	27
33	Clinical practice guidelines for the care of girls and women with Turner syndrome: proceedings from the 2016 Cincinnati International Turner Syndrome Meeting. European Journal of Endocrinology, 2017, 177, G1-G70.	3.7	771
34	Genome-wide association analysis of secondary imaging phenotypes from the Alzheimer's disease neuroimaging initiative study. NeuroImage, 2017, 146, 983-1002.	4.2	7
35	The UNC-Wisconsin Rhesus Macaque Neurodevelopment Database: A Structural MRI and DTI Database of Early Postnatal Development. Frontiers in Neuroscience, 2017, 11, 29.	2.8	45
36	HFPRM: Hierarchical Functional Principal Regression Model for Diffusion Tensor Image Bundle Statistics. Lecture Notes in Computer Science, 2017, 10265, 478-489.	1.3	1

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37	Imaging and rare APOE alleles. Neurology, 2016, 87, 558-559.	1.1	2
38	Antenatal depression, treatment with selective serotonin reuptake inhibitors, and neonatal brain structure: A propensity-matched cohort study. Psychiatry Research - Neuroimaging, 2016, 253, 43-53.	1.8	54
39	Multiple SNP Set Analysis for Genomeâ€Wide Association Studies Through Bayesian Latent Variable Selection. Genetic Epidemiology, 2015, 39, 664-677.	1.3	19
40	FVGWAS: Fast voxelwise genome wide association analysis of large-scale imaging genetic data. NeuroImage, 2015, 118, 613-627.	4.2	38
41	Environmental and Genetic Contributors to Salivary Testosterone Levels in Infants. Frontiers in Endocrinology, 2014, 5, 187.	3.5	15
42	Common Variants in Psychiatric Risk Genes Predict Brain Structure at Birth. Cerebral Cortex, 2014, 24, 1230-1246.	2.9	125
43	Rate of Chiari I Malformation in Children of Mothers with Depression with and without Prenatal SSRI Exposure. Neuropsychopharmacology, 2014, 39, 2611-2621.	5.4	17
44	Impact of Sex and Gonadal Steroids on Neonatal Brain Structure. Cerebral Cortex, 2014, 24, 2721-2731.	2.9	88
45	Why is Autism More Common in Males?. , 2014, , 451-470.		1
46	Assessing Prenatal and Neonatal Gonadal Steroid Exposure for Studies of Human Development: Methodological and Theoretical Challenges. Frontiers in Endocrinology, 2014, 5, 242.	3.5	2
47	Diffusion Tensor Imagingâ€“Based Characterization of Brain Neurodevelopment in Primates. Cerebral Cortex, 2013, 23, 36-48.	2.9	49
48	Early Intervention. , 2013, , 1031-1032.		0
49	Turner syndrome. Current Opinion in Neurology, 2012, 25, 144-149.	3.6	47
50	Longitudinal Development of Cortical and Subcortical Gray Matter from Birth to 2 Years. Cerebral Cortex, 2012, 22, 2478-2485.	2.9	377
51	Projection Regression Models for Multivariate Imaging Phenotype. Genetic Epidemiology, 2012, 36, 631-641.	1.3	15
52	Effects of Fetal Testosterone on Visuospatial Ability. Archives of Sexual Behavior, 2012, 41, 571-581.	1.9	63
53	Brain enlargement and increased behavioral and cytokine reactivity in infant monkeys following acute prenatal endotoxemia. Behavioural Brain Research, 2011, 219, 108-115.	2.2	79
54	2D:4D ratios in the first 2years of life: Stability and relation to testosterone exposure and sensitivity. Hormones and Behavior, 2011, 60, 256-263.	2.1	104

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55	Turner syndrome and sexual differentiation of the brain: implications for understanding male-biased neurodevelopmental disorders. Journal of Neurodevelopmental Disorders, 2011, 3, 293-306.	3.1	35
56	Twin-Singleton Differences in Neonatal Brain Structure. Twin Research and Human Genetics, 2011, 14, 268-276.	0.6	20
57	Why Are Autism Spectrum Conditions More Prevalent in Males?. PLoS Biology, 2011, 9, e1001081.	5.6	543
58	Genetic and environmental contributions to neonatal brain structure: A twin study. Human Brain Mapping, 2010, 31, 1174-1182.	3.6	115
59	Maturational Trajectories of Cortical Brain Development through the Pubertal Transition: Unique Species and Sex Differences in the Monkey Revealed through Structural Magnetic Resonance Imaging. Cerebral Cortex, 2010, 20, 1053-1063.	2.9	92
60	Maternal Influenza Infection During Pregnancy Impacts Postnatal Brain Development in the Rhesus Monkey. Biological Psychiatry, 2010, 67, 965-973.	1.3	161
61	Fetal Testosterone Predicts Sexually Differentiated Childhood Behavior in Girls and in Boys. Psychological Science, 2009, 20, 144-148.	3.3	272
62	Fetal testosterone and autistic traits. British Journal of Psychology, 2009, 100, 1-22.	2.3	376
63	Fetal testosterone and autistic traits: A response to three fascinating commentaries. British Journal of Psychology, 2009, 100, 39-47.	2.3	15
64	Sex-typical Play: Masculinization/Defeminization in Girls with an Autism Spectrum Condition. Journal of Autism and Developmental Disorders, 2008, 38, 1028-1035.	2.7	79
65	How to Test the Extreme Male Brain Theory of Autism in Terms of Foetal Androgens?. Journal of Autism and Developmental Disorders, 2008, 38, 995-996.	2.7	10
66	A Structural MRI Study of Human Brain Development from Birth to 2 Years. Journal of Neuroscience, 2008, 28, 12176-12182.	3.6	926
67	Automatic regional analysis of DTI properties in the developmental macaque brain. Proceedings of SPIE, 2008, , .	0.8	4
68	Automatic brain segmentation in rhesus monkeys. , 2007, 6512, 883.		20
69	Elevated rates of testosterone-related disorders in women with autism spectrum conditions. Hormones and Behavior, 2007, 51, 597-604.	2.1	246
70	Regional Gray Matter Growth, Sexual Dimorphism, and Cerebral Asymmetry in the Neonatal Brain. Journal of Neuroscience, 2007, 27, 1255-1260.	3.6	389
71	Fetal testosterone and empathy: Evidence from the Empathy Quotient (EQ) and the â€œReading the Mind in the Eyesâ€•Test. Social Neuroscience, 2006, 1, 135-148.	1.3	313
72	Fetal testosterone and empathy. Hormones and Behavior, 2006, 49, 282-292.	2.1	173

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73	Androgens and autistic traits: A study of individuals with congenital adrenal hyperplasia. Hormones and Behavior, 2006, 50, 148-153.	2.1	170
74	The Autism-Spectrum Quotient (AQ)â€"Adolescent Version. Journal of Autism and Developmental Disorders, 2006, 36, 343-350.	2.7	394
75	Fetal testosterone and sex differences. Early Human Development, 2006, 82, 755-760.	1.8	108
76	Topical Review: Fetal Testosterone and Sex Differences in Typical Social Development and in Autism. Journal of Child Neurology, 2006, 21, 825-845.	1.4	215
77	Foetal testosterone and the child systemizing quotient. European Journal of Endocrinology, 2006, 155, S123-S130.	3.7	99
78	â€˜Age of menarche in females with autism spectrum conditions â€˜. Developmental Medicine and Child Neurology, 2006, 48, 1007-1008.	2.1	3
79	Age of menarche in females with autism spectrum conditions. Developmental Medicine and Child Neurology, 2006, 48, 1007.	2.1	52
80	Gender-Typed Play and Amniotic Testosterone.. Developmental Psychology, 2005, 41, 517-528.	1.6	68
81	Foetal testosterone, social relationships, and restricted interests in children. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2005, 46, 198-210.	5.2	225
82	Sex Differences in the Brain: Implications for Explaining Autism. Science, 2005, 310, 819-823.	12.6	915
83	2nd to 4th digit ratios, fetal testosterone and estradiol. Early Human Development, 2004, 77, 23-28.	1.8	809
84	Prenatal Testosterone in Mind. , 2004, , .		70