Jakob Grove

List of Publications by Year
in descending order

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87 papers	20,946 citations	57631 44 h-index	48187 88 g-index
127 all docs	127 docs citations	127 times ranked	22381 citing authors

#	Article	IF	Citations
1	Genome-wide association analyses identify 44 risk variants and refine the genetic architecture of major depression. Nature Genetics, 2018, 50, 668-681.	9.4	2,224
2	Discovery of the first genome-wide significant risk loci for attention deficit/hyperactivity disorder. Nature Genetics, 2019, 51, 63-75.	9.4	1,594
3	Identification of common genetic risk variants for autism spectrum disorder. Nature Genetics, 2019, 51, 431-444.	9.4	1,538
4	Large-Scale Exome Sequencing Study Implicates Both Developmental and Functional Changes in the Neurobiology of Autism. Cell, 2020, 180, 568-584.e23.	13.5	1,422
5	Common schizophrenia alleles are enriched in mutation-intolerant genes and in regions under strong background selection. Nature Genetics, 2018, 50, 381-389.	9.4	1,332
6	Genome-wide association study identifies 30 loci associated with bipolar disorder. Nature Genetics, 2019, 51, 793-803.	9.4	1,191
7	Modeling Linkage Disequilibrium Increases Accuracy of Polygenic Risk Scores. American Journal of Human Genetics, 2015, 97, 576-592.	2.6	1,098
8	Analysis of shared heritability in common disorders of the brain. Science, 2018, 360, .	6.0	1,085
9	Genomic Relationships, Novel Loci, and Pleiotropic Mechanisms across Eight Psychiatric Disorders. Cell, 2019, 179, 1469-1482.e11.	13.5	935
10	Mapping genomic loci implicates genes and synaptic biology in schizophrenia. Nature, 2022, 604, 502-508.	13.7	929
11	Genome-wide association study identifies eight risk loci and implicates metabo-psychiatric origins for anorexia nervosa. Nature Genetics, 2019, 51, 1207-1214.	9.4	641
12	Genome-wide association study of more than 40,000 bipolar disorder cases provides new insights into the underlying biology. Nature Genetics, 2021, 53, 817-829.	9.4	629
13	Genomic Dissection of Bipolar Disorder and Schizophrenia, Including 28 Subphenotypes. Cell, 2018, 173, 1705-1715.e16.	13.5	623
14	Partitioning Heritability of Regulatory and Cell-Type-Specific Variants across 11 Common Diseases. American Journal of Human Genetics, 2014, 95, 535-552.	2.6	569
15	Polygenic transmission disequilibrium confirms that common and rare variation act additively to create risk for autism spectrum disorders. Nature Genetics, 2017, 49, 978-985.	9.4	401
16	Genetic risk for autism spectrum disorders and neuropsychiatric variation in the general population. Nature Genetics, 2016, 48, 552-555.	9.4	326
17	The iPSYCH2012 caseâ€“cohort sample: new directions for unravelling genetic and environmental architectures of severe mental disorders. Molecular Psychiatry, 2018, 23, 6-14.	4.1	257
18	Validity of Childhood Autism in the Danish Psychiatric Central Register: Findings from a Cohort Sample Born 1990â€“1999. Journal of Autism and Developmental Disorders, 2010, 40, 139-148.	1.7	200

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19	Genome-wide study of association and interaction with maternal cytomegalovirus infection suggests new schizophrenia loci. Molecular Psychiatry, 2014, 19, 325-333.	4.1	163
20	Autism spectrum disorder and attention deficit hyperactivity disorder have a similar burden of rare protein-truncating variants. Nature Neuroscience, 2019, 22, 1961-1965.	7.1	148
21	A Genetic Investigation of Sex Bias in the Prevalence of Attention-Deficit/Hyperactivity Disorder. Biological Psychiatry, 2018, 83, 1044-1053.	0.7	146
22	Genetic Variants Associated With Anxiety and Stress-Related Disorders. JAMA Psychiatry, 2019, 76, 924.	6.0	140
23	Amniotic fluid inflammatory cytokines: Potential markers of immunologic dysfunction in autism spectrum disorders. World Journal of Biological Psychiatry, 2013, 14, 528-538.	1.3	138
24	The Genetics of the Mood Disorder Spectrum: Genome-wide Association Analyses of More Than 185,000 Cases and 439,000 Controls. Biological Psychiatry, 2020, 88, 169-184.	0.7	137
25	Sequencing and de novo assembly of 150 genomes from Denmark as a population reference. Nature, 2017, 548, 87-91.	13.7	130
26	Genome-wide gene-environment analyses of major depressive disorder and reported lifetime traumatic experiences in UK Biobank. Molecular Psychiatry, 2020, 25, 1430-1446.	4.1	116
27	Cerebral Palsy Among Children Born After in Vitro Fertilization: The Role of Preterm Delivery--A Population-Based, Cohort Study. Pediatrics, 2006, 118, 475-482.	1.0	109
28	ASD and schizophrenia show distinct developmental profiles in common genetic overlap with population-based social communication difficulties. Molecular Psychiatry, 2018, 23, 263-270.	4.1	107
29	Genetic influences on eight psychiatric disorders based on family data of 4 408 646 full and half-siblings, and genetic data of 333 748 cases and controls. Psychological Medicine, 2019, 49, 1166-1173.	2.7	106
30	Genetic architecture of 11 major psychiatric disorders at biobehavioral, functional genomic and molecular genetic levels of analysis. Nature Genetics, 2022, 54, 548-559.	9.4	101
31	Genome-wide analyses of self-reported empathy: correlations with autism, schizophrenia, and anorexia nervosa. Translational Psychiatry, 2018, 8, 35.	2.4	95
32	Genome-wide association study implicates CHRNA2 in cannabis use disorder. Nature Neuroscience, 2019, 22, 1066-1074.	7.1	94
33	Elevated polygenic burden for autism is associated with differential DNA methylation at birth. Genome Medicine, 2018, 10, 19.	3.6	88
34	Does Childhood Trauma Moderate Polygenic Risk for Depression? A Meta-analysis of 5765 Subjects From the Psychiatric Genomics Consortium. Biological Psychiatry, 2018, 84, 138-147.	0.7	87
35	Neonatal levels of cytokines and risk of autism spectrum disorders: An exploratory register-based historic birth cohort study utilizing the Danish Newborn Screening Biobank. Journal of Neuroimmunology, 2012, 252, 75-82.	1.1	81
36	Robustness of genome-wide scanning using archived dried blood spot samples as a DNA source. BMC Genetics, 2011, 12, 58.	2.7	79

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37	The Anorexia Nervosa Genetics Initiative (ANGI): Overview and methods. Contemporary Clinical Trials, 2018, 74, 61-69.	0.8	73
38	A phenotypic spectrum of autism is attributable to the combined effects of rare variants, polygenic risk and sex. Nature Genetics, 2022, 54, 1284-1292.	9.4	66
39	High loading of polygenic risk in cases with chronic schizophrenia. Molecular Psychiatry, 2016, 21, 969-974.	4.1	62
40	Sex-Dependent Shared and Nonshared Genetic Architecture Across Mood and Psychotic Disorders. Biological Psychiatry, 2022, 91, 102-117.	0.7	61
41	Archived neonatal dried blood spot samples can be used for accurate whole genome and exome-targeted next-generation sequencing. Molecular Genetics and Metabolism, 2013, 110, 65-72.	0.5	60
42	Asphyxiaâ€related risk factors and their timing in spastic cerebral palsy. BJOG: an International Journal of Obstetrics and Gynaecology, 2008, 115, 1518-1528.	1.1	59
43	Amniotic Fluid <scp>MMP</scp>â€9 and Neurotrophins in Autism Spectrum Disorders: An Exploratory Study. Autism Research, 2012, 5, 428-433.	2.1	57
44	Social and non-social autism symptoms and trait domains are genetically dissociable. Communications Biology, 2019, 2, 328.	2.0	57
45	The effects of low to moderate prenatal alcohol exposure in early pregnancy on IQ in 5â€yearâ€old children. BJOG: an International Journal of Obstetrics and Gynaecology, 2012, 119, 1191-1200.	1.1	56
46	The effects of low to moderate alcohol consumption and binge drinking in early pregnancy on selective and sustained attention in 5â€yearâ€old children. BJOG: an International Journal of Obstetrics and Gynaecology, 2012, 119, 1211-1221.	1.1	54
47	Genetic correlates of phenotypic heterogeneity in autism. Nature Genetics, 2022, 54, 1293-1304.	9.4	51
48	Examining Sex-Differentiated Genetic Effects Across Neuropsychiatric and Behavioral Traits. Biological Psychiatry, 2021, 89, 1127-1137.	0.7	48
49	Lifestyle during pregnancy: Neurodevelopmental effects at 5 years of age. The design and implementation of a prospective follow-up study. Scandinavian Journal of Public Health, 2010, 38, 208-219.	1.2	46
50	Variable DNA methylation in neonates mediates the association between prenatal smoking and birth weight. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180120.	1.8	46
51	Association of GRIN1 and GRIN2Aâ€Ð With schizophrenia and genetic interaction with maternal herpes simplex virusâ€2 infection affecting disease risk. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2011, 156, 913-922.	1.1	44
52	High-Quality Exome Sequencing of Whole-Genome Amplified Neonatal Dried Blood Spot DNA. PLoS ONE, 2016, 11, e0153253.	1.1	38
53	High-Throughput Genotyping on Archived Dried Blood Spot Samples. Genetic Testing and Molecular Biomarkers, 2009, 13, 173-179.	0.3	37
54	Interrelationship of Cytokines, Hypothalamic-Pituitary-Adrenal Axis Hormones, and Psychosocial Variables in the Prediction of Preterm Birth. Gynecologic and Obstetric Investigation, 2010, 70, 40-46.	0.7	36

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55	A polygenic resilience score moderates the genetic risk for schizophrenia. Molecular Psychiatry, 2021, 26, 800-815.	4.1	36
56	Risk of Early-Onset Depression Associated With Polygenic Liability, Parental Psychiatric History, and Socioeconomic Status. JAMA Psychiatry, 2021, 78, 387.	6.0	33
57	Serum macrophage migration inhibitory factor in the prediction of preterm delivery. American Journal of Obstetrics and Gynecology, 2008, 199, 46.e1-46.e6.	0.7	31
58	Identifying the Common Genetic Basis of Antidepressant Response. Biological Psychiatry Global Open Science, 2022, 2, 115-126.	1.0	31
59	The female protective effect against autism spectrum disorder. Cell Genomics, 2022, 2, 100134.	3.0	30
60	Identification of the BRD1 interaction network and its impact on mental disorder risk. Genome Medicine, 2016, 8, 53.	3.6	29
61	Association of Childhood Exposure to Nitrogen Dioxide and Polygenic Risk Score for Schizophrenia With the Risk of Developing Schizophrenia. JAMA Network Open, 2019, 2, e1914401.	2.8	29
62	Genome-wide association study of febrile seizures implicates fever response and neuronal excitability genes. Brain, 2022, 145, 555-568.	3.7	29
63	Shared genetic risk between eating disorderâ€•and substanceâ€useâ€related phenotypes: Evidence from genomeâ€wide association studies. Addiction Biology, 2021, 26, e12880.	1.4	28
64	Risk variants and polygenic architecture of disruptive behavior disorders in the context of attention-deficit/hyperactivity disorder. Nature Communications, 2021, 12, 576.	5.8	28
65	Genetic risk scores for major psychiatric disorders and the risk of postpartum psychiatric disorders. Translational Psychiatry, 2019, 9, 288.	2.4	27
66	Identification of genetic loci associated with nocturnal enuresis: a genome-wide association study. The Lancet Child and Adolescent Health, 2021, 5, 201-209.	2.7	27
67	Whole-exome sequencing of individuals from an isolated population implicates rare risk variants in bipolar disorder. Translational Psychiatry, 2017, 7, e1034-e1034.	2.4	24
68	Leveraging both individual-level genetic data and GWAS summary statistics increases polygenic prediction. American Journal of Human Genetics, 2021, 108, 1001-1011.	2.6	22
69	The Eating Disorders Genetics Initiative (EDGI): study protocol. BMC Psychiatry, 2021, 21, 234.	1.1	20
70	Analysis of t(9;17)(q33.2;q25.3) chromosomal breakpoint regions and genetic association reveals novel candidate genes for bipolar disorder. Bipolar Disorders, 2015, 17, 205-211.	1.1	19
71	Parental inflammatory bowel disease and autism in children. Nature Medicine, 2022, 28, 1406-1411.	15.2	18
72	Accounting for age of onset and family history improves power in genome-wide association studies. American Journal of Human Genetics, 2022, 109, 417-432.	2.6	16

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73	Brain proteome changes in female Brd1 mice unmask dendritic spine pathology and show enrichment for schizophrenia risk. Neurobiology of Disease, 2019, 124, 479-488.	2.1	14
74	AUTOMORPHISM FIXED POINTS IN THE MODULI SPACE OF SEMI-STABLE BUNDLES. Quarterly Journal of Mathematics, 2006, 57, 1-35.	0.3	12
75	Joint Analysis of SNPs and Proteins Identifies RegulatoryIL18Gene Variations Decreasing the Chance of Spastic Cerebral Palsy. Human Mutation, 2013, 34, 143-148.	1.1	12
76	Low to Moderate Average Alcohol Consumption and Binge Drinking in Early Pregnancy: Effects on Choice Reaction Time and Information Processing Time in Five-Year-Old Children. PLoS ONE, 2015, 10, e0138611.	1.1	12
77	Birth characteristics and risk of febrile seizures. Acta Neurologica Scandinavica, 2021, 144, 51-57.	1.0	12
78	Co-occurring hydrocephalus in autism spectrum disorder: a Danish population-based cohort study. Journal of Neurodevelopmental Disorders, 2021, 13, 19.	1.5	8
79	The importance of data structure in statistical analysis of dendritic spine morphology. Journal of Neuroscience Methods, 2018, 296, 93-98.	1.3	7
80	Polygenic liability, stressful life events and risk for secondary-treated depression in early life: a nationwide register-based case-cohort study. Psychological Medicine, 2023, 53, 217-226.	2.7	7
81	Polygenic Heterogeneity Across Obsessive-Compulsive Disorder Subgroups Defined by a Comorbid Diagnosis. Frontiers in Genetics, 2021, 12, 711624.	1.1	7
82	Evaluating the interrelations between the autism polygenic score and psychiatric family history in risk for autism. Autism Research, 2022, 15, 171-182.	2.1	7
83	Discordant associations of educational attainment with ASD and ADHD implicate a polygenic form of pleiotropy. Nature Communications, 2021, 12, 6534.	5.8	3
84	Congenital Cerebral Palsy, Child Sex and Parent Cardiovascular Risk. PLoS ONE, 2013, 8, e79071.	1.1	2
85	Genome-wide by Environment Interaction Study of Stressful Life Events and Hospital-Treated Depression in the iPSYCH2012 Sample. Biological Psychiatry Global Open Science, 2022, 2, 400-410.	1.0	2
86	Seasonal variation and risk of febrile seizures; a Danish nationwide cohort study. Neuroepidemiology, 2022, , .	1.1	2
87	Asphyxia-Related Risk Factors and Their Timing in Spastic Cerebral Palsy. Obstetrical and Gynecological Survey, 2009, 64, 94-95.	0.2	0