Jakob Grove

List of Publications by Citations

103 papers	10,794 citations	41 h-index	103 g-index
127 ext. papers	16,684 ext. citations	15 avg, IF	4.8 L-index

#	Paper	IF	Citations
103	Genome-wide association analyses identify 44 risk variants and refine the genetic architecture of major depression. *Nature Genetics*, **2018**, 50, 668-681	36.3	1301
102	Discovery of the first genome-wide significant risk loci for attention deficit/hyperactivity disorder. *Nature Genetics*, **2019**, 51, 63-75	36.3	826
101	Common schizophrenia alleles are enriched in mutation-intolerant genes and in regions under strong background selection. *Nature Genetics*, **2018**, 50, 381-389	36.3	787
100	Identification of common genetic risk variants for autism spectrum disorder. *Nature Genetics*, **2019**, 51, 431-444	36.3	746
99	Analysis of shared heritability in common disorders of the brain. *Science*, **2018**, 360,	33.3	666
98	Genome-wide association study identifies 30 loci associated with bipolar disorder. *Nature Genetics*, **2019**, 51, 793-803	36.3	662
97	Modeling Linkage Disequilibrium Increases Accuracy of Polygenic Risk Scores. *American Journal of Human Genetics*, **2015**, 97, 576-92	11	649
96	Large-Scale Exome Sequencing Study Implicates Both Developmental and Functional Changes in the Neurobiology of Autism. *Cell*, **2020**, 180, 568-584.e23	56.2	578
95	Partitioning heritability of regulatory and cell-type-specific variants across 11 common diseases. *American Journal of Human Genetics*, **2014**, 95, 535-52	11	411
94	Genomic Relationships, Novel Loci, and Pleiotropic Mechanisms across Eight Psychiatric Disorders. *Cell*, **2019**, 179, 1469-1482.e11	56.2	402
93	Genomic Dissection of Bipolar Disorder and Schizophrenia, Including 28 Subphenotypes. *Cell*, **2018**, 173, 1705-1715.e16	56.2	360
92	Genome-wide association study identifies eight risk loci and implicates metabo-psychiatric origins for anorexia nervosa. *Nature Genetics*, **2019**, 51, 1207-1214	36.3	303
91	Polygenic transmission disequilibrium confirms that common and rare variation act additively to create risk for autism spectrum disorders. *Nature Genetics*, **2017**, 49, 978-985	36.3	254
90	Genetic risk for autism spectrum disorders and neuropsychiatric variation in the general population. *Nature Genetics*, **2016**, 48, 552-5	36.3	238
89	Validity of childhood autism in the Danish Psychiatric Central Register: findings from a cohort sample born 1990-1999. *Journal of Autism and Developmental Disorders*, **2010**, 40, 139-48	4.6	163
88	The iPSYCH2012 case-cohort sample: new directions for unravelling genetic and environmental architectures of severe mental disorders. *Molecular Psychiatry*, **2018**, 23, 6-14	15.1	140
87	Genome-wide study of association and interaction with maternal cytomegalovirus infection suggests new schizophrenia loci. *Molecular Psychiatry*, **2014**, 19, 325-33	15.1	133

86	Amniotic fluid inflammatory cytokines: potential markers of immunologic dysfunction in autism spectrum disorders. *World Journal of Biological Psychiatry*, **2013**, 14, 528-38	3.8	111
85	Cerebral palsy among children born after in vitro fertilization: the role of preterm delivery--a population-based, cohort study. *Pediatrics*, **2006**, 118, 475-82	7.4	94
84	A Genetic Investigation of Sex Bias in the Prevalence of Attention-Deficit/Hyperactivity Disorder. *Biological Psychiatry*, **2018**, 83, 1044-1053	7.9	93
83	Sequencing and de novo assembly of 150 genomes from Denmark as a population reference. *Nature*, **2017**, 548, 87-91	50.4	87
82	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	36.3	83
81	ASD and schizophrenia show distinct developmental profiles in common genetic overlap with population-based social communication difficulties. *Molecular Psychiatry*, **2018**, 23, 263-270	15.1	69
80	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	3.5	65
79	Genetic Variants Associated With Anxiety and Stress-Related Disorders: A Genome-Wide Association Study and Mouse-Model Study. *JAMA Psychiatry*, **2019**, 76, 924-932	14.5	64
78	Autism spectrum disorder and attention deficit hyperactivity disorder have a similar burden of rare protein-truncating variants. *Nature Neuroscience*, **2019**, 22, 1961-1965	25.5	64
77	Genome-wide association study implicates CHRNA2 in cannabis use disorder. *Nature Neuroscience*, **2019**, 22, 1066-1074	25.5	60
76	Elevated polygenic burden for autism is associated with differential DNA methylation at birth. *Genome Medicine*, **2018**, 10, 19	14.4	58
75	Robustness of genome-wide scanning using archived dried blood spot samples as a DNA source. *BMC Genetics*, **2011**, 12, 58	2.6	58
74	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	7.9	57
73	Genome-wide analyses of self-reported empathy: correlations with autism, schizophrenia, and anorexia nervosa. *Translational Psychiatry*, **2018**, 8, 35	8.6	55
72	Asphyxia-related risk factors and their timing in spastic cerebral palsy. *BJOG: an International Journal of Obstetrics and Gynaecology*, **2008**, 115, 1518-28	3.7	52
71	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	6.9	52
70	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	3.7	50
69	The effects of low to moderate prenatal alcohol exposure in early pregnancy on IQ in 5-year-old children. *BJOG: an International Journal of Obstetrics and Gynaecology*, **2012**, 119, 1191-200	3.7	49

68	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	7.9	48
67	Genome-wide gene-environment analyses of major depressive disorder and reported lifetime traumatic experiences in UK Biobank. *Molecular Psychiatry*, **2020**, 25, 1430-1446	15.1	47
66	The effects of low to moderate alcohol consumption and binge drinking in early pregnancy on selective and sustained attention in 5-year-old children. *BJOG: an International Journal of Obstetrics and Gynaecology*, **2012**, 119, 1211-21	3.7	45
65	High loading of polygenic risk in cases with chronic schizophrenia. *Molecular Psychiatry*, **2016**, 21, 969-74	15.1	44
64	Amniotic fluid MMP-9 and neurotrophins in autism spectrum disorders: an exploratory study. *Autism Research*, **2012**, 5, 428-33	5.1	43
63	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, 208-19	3	42
62	Association of GRIN1 and GRIN2A-D with schizophrenia and genetic interaction with maternal herpes simplex virus-2 infection affecting disease risk. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, **2011**, 156B, 913-22	3.5	39
61	The Anorexia Nervosa Genetics Initiative (ANGI): Overview and methods. *Contemporary Clinical Trials*, **2018**, 74, 61-69	2.3	36
60	High-throughput genotyping on archived dried blood spot samples. *Genetic Testing and Molecular Biomarkers*, **2009**, 13, 173-9	1.6	35
59	Mapping genomic loci implicates genes and synaptic biology in schizophrenia.. *Nature*, **2022**,	50.4	35
58	Interrelationship of cytokines, hypothalamic-pituitary-adrenal axis hormones, and psychosocial variables in the prediction of preterm birth. *Gynecologic and Obstetric Investigation*, **2010**, 70, 40-6	2.5	33
57	Common risk variants identified in autism spectrum disorder		32
56	Social and non-social autism symptoms and trait domains are genetically dissociable. *Communications Biology*, **2019**, 2, 328	6.7	30
55	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	5.8	28
54	Serum macrophage migration inhibitory factor in the prediction of preterm delivery. *American Journal of Obstetrics and Gynecology*, **2008**, 199, 46.e1-6	6.4	28
53	High-Quality Exome Sequencing of Whole-Genome Amplified Neonatal Dried Blood Spot DNA. *PLoS ONE*, **2016**, 11, e0153253	3.7	28
52	Genome-wide association study identifies 30 Loci Associated with Bipolar Disorder		28
51	Identification of the BRD1 interaction network and its impact on mental disorder risk. *Genome Medicine*, **2016**, 8, 53	14.4	23

50	Large-scale exome sequencing study implicates both developmental and functional changes in the neurobiology of autism		21
49	Whole-exome sequencing of individuals from an isolated population implicates rare risk variants in bipolar disorder. *Translational Psychiatry*, **2017**, 7, e1034	8.6	18
48	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	10.4	17
47	A polygenic resilience score moderates the genetic risk for schizophrenia. *Molecular Psychiatry*, **2021**, 26, 800-815	15.1	15
46	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, 205-11	3.8	13
45	ASD and ADHD have a similar burden of rare protein-truncating variants		12
44	Examining Sex-Differentiated Genetic Effects Across Neuropsychiatric and Behavioral Traits. *Biological Psychiatry*, **2021**, 89, 1127-1137	7.9	12
43	Shared genetic risk between eating disorder- and substance-use-related phenotypes: Evidence from genome-wide association studies. *Addiction Biology*, **2021**, 26, e12880	4.6	12
42	Joint analysis of SNPs and proteins identifies regulatory IL18 gene variations decreasing the chance of spastic cerebral palsy. *Human Mutation*, **2013**, 34, 143-8	4.7	11
41	Genome-wide association study of over 40,000 bipolar disorder cases provides new insights into the underlying biology		11
40	Sex-Dependent Shared and Nonshared Genetic Architecture Across Mood and Psychotic Disorders. *Biological Psychiatry*, **2022**, 91, 102-117	7.9	11
39	Risk of Early-Onset Depression Associated With Polygenic Liability, Parental Psychiatric History, and Socioeconomic Status. *JAMA Psychiatry*, **2021**, 78, 387-397	14.5	11
38	Genetic risk scores for major psychiatric disorders and the risk of postpartum psychiatric disorders. *Translational Psychiatry*, **2019**, 9, 288	8.6	10
37	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	3.7	10
36	AUTOMORPHISM FIXED POINTS IN THE MODULI SPACE OF SEMI-STABLE BUNDLES. *Quarterly Journal of Mathematics*, **2006**, 57, 1-35	0.4	9
35	Brain proteome changes in female Brd1 mice unmask dendritic spine pathology and show enrichment for schizophrenia risk. *Neurobiology of Disease*, **2019**, 124, 479-488	7.5	8
34	Identification of genetic loci associated with nocturnal enuresis: a genome-wide association study. *The Lancet Child and Adolescent Health*, **2021**, 5, 201-209	14.5	7
33	The Eating Disorders Genetics Initiative (EDGI): study protocol. *BMC Psychiatry*, **2021**, 21, 234	4.2	7

32	The importance of data structure in statistical analysis of dendritic spine morphology. *Journal of Neuroscience Methods*, **2018**, 296, 93-98	3	6
31	The iPSYCH2015 Case-Cohort sample: updated directions for unravelling genetic and environmental architectures of severe mental disorders		6
30	A phenotypic spectrum of autism is attributable to the combined effects of rare variants, polygenic risk and sex		6
29	Genome-wide association study implicates CHRNA2 in cannabis use disorder		5
28	The iPSYCH2012 case-cohort sample: New directions for unravelling genetic and environmental architectures of severe mental disorders		4
27	Genetic Architecture of 11 Major Psychiatric Disorders at Biobehavioral, Functional Genomic, and Molecular Genetic Levels of Analysis		4
26	Identifying the Common Genetic Basis of Antidepressant Response. *Biological Psychiatry Global Open Science*, **2021**,		4
25	Genome-wide association study of febrile seizures implicates fever response and neuronal excitability genes.. *Brain*, **2022**,	11.2	4
24	Genetic architecture of 11 major psychiatric disorders at biobehavioral, functional genomic and molecular genetic levels of analysis.. *Nature Genetics*, **2022**, 54, 548-559	36.3	4
23	Examining sex-differentiated genetic effects across neuropsychiatric and behavioral traits		3
22	Genome-wide association study of school grades identifies a genetic overlap between language ability, psychopathology and creativity		3
21	The female protective effect against autism spectrum disorder		3
20	Birth characteristics and risk of febrile seizures. *Acta Neurologica Scandinavica*, **2021**, 144, 51-57	3.8	3
19	Risk variants and polygenic architecture of disruptive behavior disorders in the context of attention-deficit/hyperactivity disorder. *Nature Communications*, **2021**, 12, 576	17.4	3
18	Congenital cerebral palsy, child sex and parent cardiovascular risk. *PLoS ONE*, **2013**, 8, e79071	3.7	2
17	Seasonal variation and risk of febrile seizures; a Danish nationwide cohort study.. *Neuroepidemiology*, **2022**,	5.4	2
16	Genome-wide association study of febrile seizures identifies seven new loci implicating fever response and neuronal excitability genes		2
15	Genetic correlates of phenotypic heterogeneity in autism		2

14	Accounting for age-of-onset and family history improves power in genome-wide association studies		2
13	Co-occurring hydrocephalus in autism spectrum disorder: a Danish population-based cohort study. *Journal of Neurodevelopmental Disorders*, **2021**, 13, 19	4.6	2
12	Leveraging both individual-level genetic data and GWAS summary statistics increases polygenic prediction. *American Journal of Human Genetics*, **2021**, 108, 1001-1011	11	2
11	Polygenic Heterogeneity Across Obsessive-Compulsive Disorder Subgroups Defined by a Comorbid Diagnosis. *Frontiers in Genetics*, **2021**, 12, 711624	4.5	2
10	Parental inflammatory bowel disease and autism in children. *Nature Medicine*,	50.5	2
9	Accounting for age of onset and family history improves power in genome-wide association studies.. *American Journal of Human Genetics*, **2022**,	11	1
8	Meta-analysis of Scandinavian Schizophrenia Exomes		1
7	Estimating the functional impact of INDELs in transcription factor binding sites: a genome-wide landscape		1
6	Social and non-social autism symptom and trait domains are genetically dissociable		1
5	Identification of risk variants and characterization of the polygenic architecture of disruptive behavior disorders in the context of ADHD		1
4	Polygenic heterogeneity across obsessive-compulsive disorder subgroups defined by a comorbid diagnosis		1
3	Polygenic liability, stressful life events and risk for secondary-treated depression in early life: a nationwide register-based case-cohort study. *Psychological Medicine*, **2021**, 1-10	6.9	1
2	Differences in the genetic architecture of common and rare variants in childhood, persistent and late-diagnosed attention deficit hyperactivity disorder		1
1	Discordant associations of educational attainment with ASD and ADHD implicate a polygenic form of pleiotropy. *Nature Communications*, **2021**, 12, 6534	17.4	0