

# Jonas Bybjerg-Grauholm

## List of Publications by Year in descending order

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112  
papers

20,623  
citations

50244

46  
h-index

23514

111  
g-index

152  
all docs

152  
docs citations

152  
times ranked

20300  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-wide association analyses identify 44 risk variants and refine the genetic architecture of major depression. <i>Nature Genetics</i> , 2018, 50, 668-681.	9.4	2,224
2	Discovery of the first genome-wide significant risk loci for attention deficit/hyperactivity disorder. <i>Nature Genetics</i> , 2019, 51, 63-75.	9.4	1,594
3	Identification of common genetic risk variants for autism spectrum disorder. <i>Nature Genetics</i> , 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. <i>Cell</i> , 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. <i>Nature Genetics</i> , 2018, 50, 381-389.	9.4	1,332
6	Genome-wide association study identifies 30 loci associated with bipolar disorder. <i>Nature Genetics</i> , 2019, 51, 793-803.	9.4	1,191
7	Genomic Relationships, Novel Loci, and Pleiotropic Mechanisms across Eight Psychiatric Disorders. <i>Cell</i> , 2019, 179, 1469-1482.e11.	13.5	935
8	Mapping genomic loci implicates genes and synaptic biology in schizophrenia. <i>Nature</i> , 2022, 604, 502-508.	13.7	929
9	Shared molecular neuropathology across major psychiatric disorders parallels polygenic overlap. <i>Science</i> , 2018, 359, 693-697.	6.0	851
10	Genome-wide association study of more than 40,000 bipolar disorder cases provides new insights into the underlying biology. <i>Nature Genetics</i> , 2021, 53, 817-829.	9.4	629
11	Genomic Dissection of Bipolar Disorder and Schizophrenia, Including 28 Subphenotypes. <i>Cell</i> , 2018, 173, 1705-1715.e16.	13.5	623
12	Meta-analysis of GWAS of over 16,000 individuals with autism spectrum disorder highlights a novel locus at 10q24.32 and a significant overlap with schizophrenia. <i>Molecular Autism</i> , 2017, 8, 21.	2.6	495
13	Polygenic transmission disequilibrium confirms that common and rare variation act additively to create risk for autism spectrum disorders. <i>Nature Genetics</i> , 2017, 49, 978-985.	9.4	401
14	International meta-analysis of PTSD genome-wide association studies identifies sex- and ancestry-specific genetic risk loci. <i>Nature Communications</i> , 2019, 10, 4558.	5.8	363
15	Genetic risk for autism spectrum disorders and neuropsychiatric variation in the general population. <i>Nature Genetics</i> , 2016, 48, 552-555.	9.4	326
16	Rare coding variants in ten genes confer substantial risk for schizophrenia. <i>Nature</i> , 2022, 604, 509-516.	13.7	326
17	The iPSYCH2012 case-cohort sample: new directions for unravelling genetic and environmental architectures of severe mental disorders. <i>Molecular Psychiatry</i> , 2018, 23, 6-14.	4.1	257
18	A major role for common genetic variation in anxiety disorders. <i>Molecular Psychiatry</i> , 2020, 25, 3292-3303.	4.1	243

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19	A large-scale genome-wide association study meta-analysis of cannabis use disorder. <i>Lancet Psychiatry</i> , 2020, 7, 1032-1045.	3.7	200
20	An epigenetic clock for gestational age at birth based on blood methylation data. <i>Genome Biology</i> , 2016, 17, 206.	3.8	193
21	Genetic Association of Major Depression With Atypical Features and Obesity-Related Immunometabolic Dysregulations. <i>JAMA Psychiatry</i> , 2017, 74, 1214.	6.0	174
22	A genome-wide association study of shared risk across psychiatric disorders implicates gene regulation during fetal neurodevelopment. <i>Nature Neuroscience</i> , 2019, 22, 353-361.	7.1	173
23	Epidemiological characterisation of the first 785 SARS-CoV-2 Omicron variant cases in Denmark, December 2021. <i>Eurosurveillance</i> , 2021, 26, .	3.9	163
24	Gene expression imputation across multiple brain regions provides insights into schizophrenia risk. <i>Nature Genetics</i> , 2019, 51, 659-674.	9.4	154
25	Autism spectrum disorder and attention deficit hyperactivity disorder have a similar burden of rare protein-truncating variants. <i>Nature Neuroscience</i> , 2019, 22, 1961-1965.	7.1	148
26	A Genetic Investigation of Sex Bias in the Prevalence of Attention-Deficit/Hyperactivity Disorder. <i>Biological Psychiatry</i> , 2018, 83, 1044-1053.	0.7	146
27	Genetic Variants Associated With Anxiety and Stress-Related Disorders. <i>JAMA Psychiatry</i> , 2019, 76, 924.	6.0	140
28	The Genetics of the Mood Disorder Spectrum: Genome-wide Association Analyses of More Than 185,000 Cases and 439,000 Controls. <i>Biological Psychiatry</i> , 2020, 88, 169-184.	0.7	137
29	Improving genetic prediction by leveraging genetic correlations among human diseases and traits. <i>Nature Communications</i> , 2018, 9, 989.	5.8	136
30	Genetics of suicide attempts in individuals with and without mental disorders: a population-based genome-wide association study. <i>Molecular Psychiatry</i> , 2020, 25, 2410-2421.	4.1	124
31	Genome-wide gene-environment analyses of major depressive disorder and reported lifetime traumatic experiences in UK Biobank. <i>Molecular Psychiatry</i> , 2020, 25, 1430-1446.	4.1	116
32	Quantifying the Impact of Rare and Ultra-rare Coding Variation across the Phenotypic Spectrum. <i>American Journal of Human Genetics</i> , 2018, 102, 1204-1211.	2.6	102
33	Prevalence of rearrangements in the 22q11.2 region and population-based risk of neuropsychiatric and developmental disorders in a Danish population: a case-cohort study. <i>Lancet Psychiatry</i> , 2018, 5, 573-580.	3.7	102
34	Genetic predisposition to hypertension is associated with preeclampsia in European and Central Asian women. <i>Nature Communications</i> , 2020, 11, 5976.	5.8	102
35	Genome-wide association study implicates <i>CHRNA2</i> in cannabis use disorder. <i>Nature Neuroscience</i> , 2019, 22, 1066-1074.	7.1	94
36	Integrated analysis of environmental and genetic influences on cord blood DNA methylation in new-borns. <i>Nature Communications</i> , 2019, 10, 2548.	5.8	94

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37	Elevated polygenic burden for autism is associated with differential DNA methylation at birth. <i>Genome Medicine</i> , 2018, 10, 19.	3.6	88
38	The Genetic Architecture of Depression in Individuals of East Asian Ancestry. <i>JAMA Psychiatry</i> , 2021, 78, 1258.	6.0	88
39	Does Childhood Trauma Moderate Polygenic Risk for Depression? A Meta-analysis of 5765 Subjects From the Psychiatric Genomics Consortium. <i>Biological Psychiatry</i> , 2018, 84, 138-147.	0.7	87
40	A phenome-wide association and Mendelian Randomisation study of polygenic risk for depression in UK Biobank. <i>Nature Communications</i> , 2020, 11, 2301.	5.8	81
41	Distinct DNA methylation patterns in cirrhotic liver and hepatocellular carcinoma. <i>International Journal of Cancer</i> , 2012, 130, 1319-1328.	2.3	80
42	Association of Polygenic Liabilities for Major Depression, Bipolar Disorder, and Schizophrenia With Risk for Depression in the Danish Population. <i>JAMA Psychiatry</i> , 2019, 76, 516.	6.0	78
43	Evidence of causal effect of major depression on alcohol dependence: findings from the psychiatric genomics consortium. <i>Psychological Medicine</i> , 2019, 49, 1218-1226.	2.7	74
44	Molecular epidemiology of the SARS-CoV-2 variant Omicron BA.2 sub-lineage in Denmark, 29 November 2021 to 2 January 2022. <i>Eurosurveillance</i> , 2022, 27, .	3.9	70
45	Archived neonatal dried blood spot samples can be used for accurate whole genome and exome-targeted next-generation sequencing. <i>Molecular Genetics and Metabolism</i> , 2013, 110, 65-72.	0.5	60
46	DNA methylome profiling using neonatal dried blood spot samples: A proof-of-principle study. <i>Molecular Genetics and Metabolism</i> , 2013, 108, 225-231.	0.5	56
47	Reduced neonatal brain-derived neurotrophic factor is associated with autism spectrum disorders. <i>Translational Psychiatry</i> , 2019, 9, 252.	2.4	56
48	The genetic architecture of sporadic and multiple consecutive miscarriage. <i>Nature Communications</i> , 2020, 11, 5980.	5.8	52
49	Genetic correlates of phenotypic heterogeneity in autism. <i>Nature Genetics</i> , 2022, 54, 1293-1304.	9.4	51
50	Hair Cortisol in Twins: Heritability and Genetic Overlap with Psychological Variables and Stress-System Genes. <i>Scientific Reports</i> , 2017, 7, 15351.	1.6	50
51	Genetic liability to ADHD and substance use disorders in individuals with ADHD. <i>Addiction</i> , 2020, 115, 1368-1377.	1.7	47
52	A large-scale genomic investigation of susceptibility to infection and its association with mental disorders in the Danish population. <i>Translational Psychiatry</i> , 2019, 9, 283.	2.4	46
53	Variable DNA methylation in neonates mediates the association between prenatal smoking and birth weight. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180120.	1.8	46
54	Association of polygenic score for major depression with response to lithium in patients with bipolar disorder. <i>Molecular Psychiatry</i> , 2021, 26, 2457-2470.	4.1	44

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55	Immunity and mental illness: findings from a Danish population-based immunogenetic study of seven psychiatric and neurodevelopmental disorders. <i>European Journal of Human Genetics</i> , 2019, 27, 1445-1455.	1.4	38
56	High-Quality Exome Sequencing of Whole-Genome Amplified Neonatal Dried Blood Spot DNA. <i>PLoS ONE</i> , 2016, 11, e0153253.	1.1	38
57	A polygenic resilience score moderates the genetic risk for schizophrenia. <i>Molecular Psychiatry</i> , 2021, 26, 800-815.	4.1	36
58	A Comprehensive Analysis of Nuclear-Encoded Mitochondrial Genes in Schizophrenia. <i>Biological Psychiatry</i> , 2018, 83, 780-789.	0.7	35
59	Bipolar multiplex families have an increased burden of common risk variants for psychiatric disorders. <i>Molecular Psychiatry</i> , 2021, 26, 1286-1298.	4.1	33
60	Risk of Early-Onset Depression Associated With Polygenic Liability, Parental Psychiatric History, and Socioeconomic Status. <i>JAMA Psychiatry</i> , 2021, 78, 387.	6.0	33
61	Development of a Multiplex real-time PCR Assay for the Newborn Screening of SCID, SMA, and XLA. <i>International Journal of Neonatal Screening</i> , 2019, 5, 39.	1.2	32
62	Molecular genetic overlap between posttraumatic stress disorder and sleep phenotypes. <i>Sleep</i> , 2020, 43, .	0.6	32
63	Exploring Cuba's population structure and demographic history using genome-wide data. <i>Scientific Reports</i> , 2018, 8, 11422.	1.6	31
64	Identifying the Common Genetic Basis of Antidepressant Response. <i>Biological Psychiatry Global Open Science</i> , 2022, 2, 115-126.	1.0	31
65	The female protective effect against autism spectrum disorder. <i>Cell Genomics</i> , 2022, 2, 100134.	3.0	30
66	Genome-wide association study of febrile seizures implicates fever response and neuronal excitability genes. <i>Brain</i> , 2022, 145, 555-568.	3.7	29
67	Risk variants and polygenic architecture of disruptive behavior disorders in the context of attention-deficit/hyperactivity disorder. <i>Nature Communications</i> , 2021, 12, 576.	5.8	28
68	Classical Human Leukocyte Antigen Alleles and C4 Haplotypes Are Not Significantly Associated With Depression. <i>Biological Psychiatry</i> , 2020, 87, 419-430.	0.7	27
69	Disentangling polygenic associations between attention-deficit/hyperactivity disorder, educational attainment, literacy and language. <i>Translational Psychiatry</i> , 2019, 9, 35.	2.4	25
70	Genome-wide association study of Hirschsprung disease detects a novel low-frequency variant at the RET locus. <i>European Journal of Human Genetics</i> , 2018, 26, 561-569.	1.4	24
71	Comparing Copy Number Variations in a Danish Case Cohort of Individuals With Psychiatric Disorders. <i>JAMA Psychiatry</i> , 2022, 79, 59.	6.0	24
72	Polygenic risk score, psychosocial environment and the risk of attention-deficit/hyperactivity disorder. <i>Translational Psychiatry</i> , 2020, 10, 335.	2.4	22

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73	Differential DNA methylation at birth associated with mental disorder in individuals with 22q11.2 deletion syndrome. <i>Translational Psychiatry</i> , 2017, 7, e1221-e1221.	2.4	21
74	Enhancing Discovery of Genetic Variants for Posttraumatic Stress Disorder Through Integration of Quantitative Phenotypes and Trauma Exposure Information. <i>Biological Psychiatry</i> , 2022, 91, 626-636.	0.7	21
75	FUT2-ABO epistasis increases the risk of early childhood asthma and <i>Streptococcus pneumoniae</i> respiratory illnesses. <i>Nature Communications</i> , 2020, 11, 6398.	5.8	21
76	Gene expression profiling of archived dried blood spot samples from the Danish Neonatal Screening Biobank. <i>Molecular Genetics and Metabolism</i> , 2015, 116, 119-124.	0.5	19
77	Genome-wide meta-analysis identifies <i>BARX1</i> and <i>EML4-MTA3</i> as new loci associated with infantile hypertrophic pyloric stenosis. <i>Human Molecular Genetics</i> , 2019, 28, 332-340.	1.4	18
78	Applying polygenic risk scoring for psychiatric disorders to a large family with bipolar disorder and major depressive disorder. <i>Communications Biology</i> , 2018, 1, 163.	2.0	17
79	Language deficits in specific language impairment, attention deficit/hyperactivity disorder, and autism spectrum disorder: An analysis of polygenic risk. <i>Autism Research</i> , 2020, 13, 369-381.	2.1	17
80	Genetic risk for schizophrenia and autism, social impairment and developmental pathways to psychosis. <i>Translational Psychiatry</i> , 2018, 8, 204.	2.4	16
81	Association of Whole-Genome and NETRIN1 Signaling Pathway-Derived Polygenic Risk Scores for Major Depressive Disorder and White Matter Microstructure in the UK Biobank. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 91-100.	1.1	16
82	Accounting for age of onset and family history improves power in genome-wide association studies. <i>American Journal of Human Genetics</i> , 2022, 109, 417-432.	2.6	16
83	Schizophrenia-associated mt-DNA SNPs exhibit highly variable haplogroup affiliation and nuclear ancestry: Bi-genomic dependence raises major concerns for link to disease. <i>PLoS ONE</i> , 2018, 13, e0208828.	1.1	15
84	Genome-wide interaction study of a proxy for stress-sensitivity and its prediction of major depressive disorder. <i>PLoS ONE</i> , 2018, 13, e0209160.	1.1	14
85	A large population-based investigation into the genetics of susceptibility to gastrointestinal infections and the link between gastrointestinal infections and mental illness. <i>Human Genetics</i> , 2020, 139, 593-604.	1.8	14
86	Biological age of the endometrium using DNA methylation. <i>Reproduction</i> , 2018, 155, 165-170.	1.1	13
87	Genome-wide association study identifies locus at chromosome 2q32.1 associated with syncope and collapse. <i>Cardiovascular Research</i> , 2020, 116, 138-148.	1.8	13
88	Pharmacogenetic genotype and phenotype frequencies in a large Danish population-based case-cohort sample. <i>Translational Psychiatry</i> , 2021, 11, 294.	2.4	13
89	Post-traumatic stress following military deployment: Genetic associations and cross-disorder genetic correlations. <i>Journal of Affective Disorders</i> , 2019, 252, 350-357.	2.0	12
90	The Duffy-null genotype and risk of infection. <i>Human Molecular Genetics</i> , 2020, 29, 3341-3349.	1.4	11

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91	Genetic Variants in the 9p21.3 Locus Associated with Glioma Risk in Children, Adolescents, and Young Adults: A Case-Control Study. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2019, 28, 1252-1258.	1.1	10
92	A genome-wide association study on medulloblastoma. <i>Journal of Neuro-Oncology</i> , 2020, 147, 309-315.	1.4	10
93	Evaluation of whole genome amplified DNA to decrease material expenditure and increase quality. <i>Molecular Genetics and Metabolism Reports</i> , 2017, 11, 36-45.	0.4	9
94	Genome-wide association study across pediatric central nervous system tumors implicates shared predisposition and points to 1q25.2 (PAPPA2) and 11p12 (LRRC4C) as novel candidate susceptibility loci. <i>Child's Nervous System</i> , 2021, 37, 819-830.	0.6	9
95	RNA sequencing of archived neonatal dried blood spots. <i>Molecular Genetics and Metabolism Reports</i> , 2017, 10, 33-37.	0.4	8
96	Co-occurring hydrocephalus in autism spectrum disorder: a Danish population-based cohort study. <i>Journal of Neurodevelopmental Disorders</i> , 2021, 13, 19.	1.5	8
97	Genome-wide study of early and severe childhood asthma identifies interaction between CDHR3 and GSDMB. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 150, 622-630.	1.5	8
98	Quantitative genome-wide association analyses of receptive language in the Danish High Risk and Resilience Study. <i>BMC Neuroscience</i> , 2020, 21, 30.	0.8	7
99	Polygenic liability, stressful life events and risk for secondary-treated depression in early life: a nationwide register-based case-cohort study. <i>Psychological Medicine</i> , 2023, 53, 217-226.	2.7	7
100	Polygenic Heterogeneity Across Obsessive-Compulsive Disorder Subgroups Defined by a Comorbid Diagnosis. <i>Frontiers in Genetics</i> , 2021, 12, 711624.	1.1	7
101	Evaluating the interrelations between the autism polygenic score and psychiatric family history in risk for autism. <i>Autism Research</i> , 2022, 15, 171-182.	2.1	7
102	Complex spatio-temporal distribution and genomic ancestry of mitochondrial DNA haplogroups in 24,216 Danes. <i>PLoS ONE</i> , 2018, 13, e0208829.	1.1	5
103	Genetic liability to major depression and risk of childhood asthma. <i>Brain, Behavior, and Immunity</i> , 2020, 89, 433-439.	2.0	5
104	Implementation of SCID Screening in Denmark. <i>International Journal of Neonatal Screening</i> , 2021, 7, 54.	1.2	5
105	Response to "Newborn dried blood spot samples in Denmark: the hidden figures of secondary use and research participation" European Journal of Human Genetics, 2019, 27, 1625-1627.	1.4	3
106	Genome-wide by Environment Interaction Study of Stressful Life Events and Hospital-Treated Depression in the iPSYCH2012 Sample. <i>Biological Psychiatry Global Open Science</i> , 2022, 2, 400-410.	1.0	2
107	Genetic regulation of spermine oxidase activity and cancer risk: a Mendelian randomization study. <i>Scientific Reports</i> , 2021, 11, 17463.	1.6	1
108	Increased transmission of SARS-CoV-2 in Denmark during UEFA European championships.. <i>Epidemiology and Infection</i> , 2022, , 1-27.	1.0	1

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109	5. Mitochondrial DNA Haplogroups are Associated with Psychiatric Disease: A Nation-Wide Study of 74,763 Danes. <i>Biological Psychiatry</i> , 2017, 81, S3.	0.7	0
110	GENOME-WIDE METHYLOMIC ANALYSIS OF NEONATAL BLOOD FROM DANISH TWINS DISCORDANT FOR MENTAL ILLNESS. <i>European Neuropsychopharmacology</i> , 2019, 29, S794-S795.	0.3	0
111	ESTIMATED DNA METHYLATION GESTATIONAL AGE IN NEWBORN MONOZYGOTIC TWINS ASSOCIATE WITH LATER PSYCHIATRIC DISORDERS BETWEEN CON/DISCORDANT PAIRS. <i>European Neuropsychopharmacology</i> , 2019, 29, S795.	0.3	0
112	Polygenic Heterogeneity Across OCD Subtypes Defined by a Co-Morbid Diagnosis of MDD, ADHD or ASD. <i>Biological Psychiatry</i> , 2020, 87, S321.	0.7	0