Jonas Bybjerg-Grauholm

List of Publications by Year
in descending order

112 papers	20,623 citations	50170 46 h-index	23472 111 g-index
152 all docs	152 docs citations	152 times ranked	20300 citing authors

#	Article	IF	Citations
1	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
2	Identifying the Common Genetic Basis of Antidepressant Response. Biological Psychiatry Global Open Science, 2022, 2, 115-126.	1.0	31
3	Enhancing Discovery of Genetic Variants for Posttraumatic Stress Disorder Through Integration of Quantitative Phenotypes and Trauma Exposure Information. Biological Psychiatry, 2022, 91, 626-636.	0.7	21
4	Genome-wide association study of febrile seizures implicates fever response and neuronal excitability genes. Brain, 2022, 145, 555-568.	3.7	29
5	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
6	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
7	Comparing Copy Number Variations in a Danish Case Cohort of Individuals With Psychiatric Disorders. JAMA Psychiatry, 2022, 79, 59.	6.0	24
8	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
9	Molecular epidemiology of the SARS-CoV-2 variant Omicron BA.2 sub-lineage in Denmark, 29 November 2021 to 2 January 2022. Eurosurveillance, 2022, 27, .	3.9	70
10	Genome-wide study of early and severe childhood asthma identifies interaction between CDHR3 and GSDMB. Journal of Allergy and Clinical Immunology, 2022, 150, 622-630.	1.5	8
11	Mapping genomic loci implicates genes and synaptic biology in schizophrenia. Nature, 2022, 604, 502-508.	13.7	929
12	Rare coding variants in ten genes confer substantial risk for schizophrenia. Nature, 2022, 604, 509-516.	13.7	326
13	Increased transmission of SARS-CoV-2 in Denmark during UEFA European championships.. Epidemiology and Infection, 2022, , 1-27.	1.0	1
14	Genetic correlates of phenotypic heterogeneity in autism. Nature Genetics, 2022, 54, 1293-1304.	9.4	51
15	The female protective effect against autism spectrum disorder. Cell Genomics, 2022, 2, 100134.	3.0	30
16	Association of polygenic score for major depression with response to lithium in patients with bipolar disorder. Molecular Psychiatry, 2021, 26, 2457-2470.	4.1	44
17	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. Child's Nervous System, 2021, 37, 819-830.	0.6	9
18	A polygenic resilience score moderates the genetic risk for schizophrenia. Molecular Psychiatry, 2021, 26, 800-815.	4.1	36

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19	Bipolar multiplex families have an increased burden of common risk variants for psychiatric disorders. Molecular Psychiatry, 2021, 26, 1286-1298.	4.1	33
20	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
21	Risk of Early-Onset Depression Associated With Polygenic Liability, Parental Psychiatric History, and Socioeconomic Status. JAMA Psychiatry, 2021, 78, 387.	6.0	33
22	Co-occurring hydrocephalus in autism spectrum disorder: a Danish population-based cohort study. Journal of Neurodevelopmental Disorders, 2021, 13, 19.	1.5	8
23	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
24	Pharmacogenetic genotype and phenotype frequencies in a large Danish population-based case-cohort sample. Translational Psychiatry, 2021, 11, 294.	2.4	13
25	Polygenic Heterogeneity Across Obsessive-Compulsive Disorder Subgroups Defined by a Comorbid Diagnosis. Frontiers in Genetics, 2021, 12, 711624.	1.1	7
26	Implementation of SCID Screening in Denmark. International Journal of Neonatal Screening, 2021, 7, 54.	1.2	5
27	Genetic regulation of spermine oxidase activity and cancer risk: a Mendelian randomization study. Scientific Reports, 2021, 11, 17463.	1.6	1
28	The Genetic Architecture of Depression in Individuals of East Asian Ancestry. JAMA Psychiatry, 2021, 78, 1258.	6.0	88
29	Epidemiological characterisation of the first 785 SARS-CoV-2 Omicron variant cases in Denmark, December 2021. Eurosurveillance, 2021, 26, .	3.9	163
30	Genome-wide association study identifies locus at chromosome 2q32.1 associated with syncope and collapse. Cardiovascular Research, 2020, 116, 138-148.	1.8	13
31	Genetics of suicide attempts in individuals with and without mental disorders: a population-based genome-wide association study. Molecular Psychiatry, 2020, 25, 2410-2421.	4.1	124
32	Classical Human Leukocyte Antigen Alleles and C4 Haplotypes Are Not Significantly Associated With Depression. Biological Psychiatry, 2020, 87, 419-430.	0.7	27
33	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
34	Language deficits in specific language impairment, attention deficit/hyperactivity disorder, and autism spectrum disorder: An analysis of polygenic risk. Autism Research, 2020, 13, 369-381.	2.1	17
35	A major role for common genetic variation in anxiety disorders. Molecular Psychiatry, 2020, 25, 3292-3303.	4.1	243
36	Molecular genetic overlap between posttraumatic stress disorder and sleep phenotypes. Sleep, 2020, 43, .	0.6	32

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37	Genetic liability to ADHD and substance use disorders in individuals with ADHD. Addiction, 2020, 115, 1368-1377.	1.7	47
38	Polygenic risk score, psychosocial environment and the risk of attention-deficit/hyperactivity disorder. Translational Psychiatry, 2020, 10, 335.	2.4	22
39	A large-scale genome-wide association study meta-analysis of cannabis use disorder. Lancet Psychiatry,the, 2020, 7, 1032-1045.	3.7	200
40	The Duffy-null genotype and risk of infection. Human Molecular Genetics, 2020, 29, 3341-3349.	1.4	11
41	The genetic architecture of sporadic and multiple consecutive miscarriage. Nature Communications, 2020, 11, 5980.	5.8	52
42	Genetic liability to major depression and risk of childhood asthma. Brain, Behavior, and Immunity, 2020, 89, 433-439.	2.0	5
43	Genetic predisposition to hypertension is associated with preeclampsia in European and Central Asian women. Nature Communications, 2020, 11, 5976.	5.8	102
44	A phenome-wide association and Mendelian Randomisation study of polygenic risk for depression in UK Biobank. Nature Communications, 2020, 11, 2301.	5.8	81
45	A large population-based investigation into the genetics of susceptibility to gastrointestinal infections and the link between gastrointestinal infections and mental illness. Human Genetics, 2020, 139, 593-604.	1.8	14
46	Quantitative genome-wide association analyses of receptive language in the Danish High Risk and Resilience Study. BMC Neuroscience, 2020, 21, 30.	0.8	7
47	Polygenic Heterogeneity Across OCD Subtypes Defined by a Co-Morbid Diagnosis of MDD, ADHD or ASD. Biological Psychiatry, 2020, 87, S321.	0.7	0
48	A genome-wide association study on medulloblastoma. Journal of Neuro-Oncology, 2020, 147, 309-315.	1.4	10
49	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
50	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
51	FUT2â€“ABO epistasis increases the risk of early childhood asthma and Streptococcus pneumoniae respiratory illnesses. Nature Communications, 2020, 11, 6398.	5.8	21
52	Response to â€œNewborn dried blood spot samples in Denmark: the hidden figures of secondary use and research participationâ€• European Journal of Human Genetics, 2019, 27, 1625-1627.	1.4	3
53	International meta-analysis of PTSD genome-wide association studies identifies sex- and ancestry-specific genetic risk loci. Nature Communications, 2019, 10, 4558.	5.8	363
54	Reduced neonatal brain-derived neurotrophic factor is associated with autism spectrum disorders. Translational Psychiatry, 2019, 9, 252.	2.4	56

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55	A large-scale genomic investigation of susceptibility to infection and its association with mental disorders in the Danish population. Translational Psychiatry, 2019, 9, 283.	2.4	46
56	A genome-wide association study of shared risk across psychiatric disorders implicates gene regulation during fetal neurodevelopment. Nature Neuroscience, 2019, 22, 353-361.	7.1	173
57	Association of Polygenic Liabilities for Major Depression, Bipolar Disorder, and Schizophrenia With Risk for Depression in the Danish Population. JAMA Psychiatry, 2019, 76, 516.	6.0	78
58	Disentangling polygenic associations between attention-deficit/hyperactivity disorder, educational attainment, literacy and language. Translational Psychiatry, 2019, 9, 35.	2.4	25
59	Genome-wide association study implicates CHRNA2 in cannabis use disorder. Nature Neuroscience, 2019, 22, 1066-1074.	7.1	94
60	Integrated analysis of environmental and genetic influences on cord blood DNA methylation in new-borns. Nature Communications, 2019, 10, 2548.	5.8	94
61	Genetic Variants Associated With Anxiety and Stress-Related Disorders. JAMA Psychiatry, 2019, 76, 924.	6.0	140
62	GENOME-WIDE METHYLOMIC ANALYSIS OF NEONATAL BLOOD FROM DANISH TWINS DISCORDANT FOR MENTAL ILLNESS. European Neuropsychopharmacology, 2019, 29, S794-S795.	0.3	0
63	ESTIMATED DNA METHYLATION GESTATIONAL AGE IN NEWBORN MONOZYGOTIC TWINS ASSOCIATE WITH LATER PSYCHIATRIC DISORDERS BETWEEN CON/DISCORDANT PAIRS. European Neuropsychopharmacology, 2019, 29, S795.	0.3	0
64	Post-traumatic stress following military deployment: Genetic associations and cross-disorder genetic correlations. Journal of Affective Disorders, 2019, 252, 350-357.	2.0	12
65	Genetic Variants in the 9p21.3 Locus Associated with Glioma Risk in Children, Adolescents, and Young Adults: A Caseâ€“Control Study. Cancer Epidemiology Biomarkers and Prevention, 2019, 28, 1252-1258.	1.1	10
66	Genome-wide association study identifies 30 loci associated with bipolar disorder. Nature Genetics, 2019, 51, 793-803.	9.4	1,191
67	Gene expression imputation across multiple brain regions provides insights into schizophrenia risk. Nature Genetics, 2019, 51, 659-674.	9.4	154
68	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
69	Immunity and mental illness: findings from a Danish population-based immunogenetic study of seven psychiatric and neurodevelopmental disorders. European Journal of Human Genetics, 2019, 27, 1445-1455.	1.4	38
70	Evidence of causal effect of major depression on alcohol dependence: findings from the psychiatric genomics consortium. Psychological Medicine, 2019, 49, 1218-1226.	2.7	74
71	Identification of common genetic risk variants for autism spectrum disorder. Nature Genetics, 2019, 51, 431-444.	9.4	1,538
72	Development of a Multiplex real-time PCR Assay for the Newborn Screening of SCID, SMA, and XLA. International Journal of Neonatal Screening, 2019, 5, 39.	1.2	32

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73	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
74	Genomic Relationships, Novel Loci, and Pleiotropic Mechanisms across Eight Psychiatric Disorders. Cell, 2019, 179, 1469-1482.e11.	13.5	935
75	Association of Whole-Genome and NETRIN1 Signaling Pathwayâ€"Derived Polygenic Risk Scores for Major Depressive Disorder and White Matter Microstructure in the UK Biobank. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 91-100.	1.1	16
76	Discovery of the first genome-wide significant risk loci for attention deficit/hyperactivity disorder. Nature Genetics, 2019, 51, 63-75.	9.4	1,594
77	Genome-wide meta-analysis identifiesBARX1andEML4-MTA3as new loci associated with infantile hypertrophic pyloric stenosis. Human Molecular Genetics, 2019, 28, 332-340.	1.4	18
78	Improving genetic prediction by leveraging genetic correlations among human diseases and traits. Nature Communications, 2018, 9, 989.	5.8	136
79	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
80	Genome-wide association study of Hirschsprung disease detects a novel low-frequency variant at the RET locus. European Journal of Human Genetics, 2018, 26, 561-569.	1.4	24
81	Shared molecular neuropathology across major psychiatric disorders parallels polygenic overlap. Science, 2018, 359, 693-697.	6.0	851
82	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
83	A Comprehensive Analysis of Nuclear-Encoded Mitochondrial Genes in Schizophrenia. Biological Psychiatry, 2018, 83, 780-789.	0.7	35
84	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
85	Biological age of the endometrium using DNA methylation. Reproduction, 2018, 155, 165-170.	1.1	13
86	A Genetic Investigation of Sex Bias in the Prevalence of Attention-Deficit/Hyperactivity Disorder. Biological Psychiatry, 2018, 83, 1044-1053.	0.7	146
87	Genome-wide interaction study of a proxy for stress-sensitivity and its prediction of major depressive disorder. PLoS ONE, 2018, 13, e0209160.	1.1	14
88	Schizophrenia-associated mt-DNA SNPs exhibit highly variable haplogroup affiliation and nuclear ancestry: Bi-genomic dependence raises major concerns for link to disease. PLoS ONE, 2018, 13, e0208828.	1.1	15
89	Complex spatio-temporal distribution and genomic ancestry of mitochondrial DNA haplogroups in 24,216 Danes. PLoS ONE, 2018, 13, e0208829.	1.1	5
90	Genetic risk for schizophrenia and autism, social impairment and developmental pathways to psychosis. Translational Psychiatry, 2018, 8, 204.	2.4	16

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91	Applying polygenic risk scoring for psychiatric disorders to a large family with bipolar disorder and major depressive disorder. Communications Biology, 2018, 1, 163.	2.0	17
92	Quantifying the Impact of Rare and Ultra-rare Coding Variation across the Phenotypic Spectrum. American Journal of Human Genetics, 2018, 102, 1204-1211.	2.6	102
93	Exploring Cubaâ€™s population structure and demographic history using genome-wide data. Scientific Reports, 2018, 8, 11422.	1.6	31
94	Elevated polygenic burden for autism is associated with differential DNA methylation at birth. Genome Medicine, 2018, 10, 19.	3.6	88
95	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. Lancet Psychiatry,the, 2018, 5, 573-580.	3.7	102
96	Genomic Dissection of Bipolar Disorder and Schizophrenia, Including 28 Subphenotypes. Cell, 2018, 173, 1705-1715.e16.	13.5	623
97	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
98	RNA sequencing of archived neonatal dried blood spots. Molecular Genetics and Metabolism Reports, 2017, 10, 33-37.	0.4	8
99	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
100	Genetic Association of Major Depression With Atypical Features and Obesity-Related Immunometabolic Dysregulations. JAMA Psychiatry, 2017, 74, 1214.	6.0	174
101	Differential DNA methylation at birth associated with mental disorder in individuals with 22q11.2 deletion syndrome. Translational Psychiatry, 2017, 7, e1221-e1221.	2.4	21
102	Evaluation of whole genome amplified DNA to decrease material expenditure and increase quality. Molecular Genetics and Metabolism Reports, 2017, 11, 36-45.	0.4	9
103	5. Mitochondrial DNA Haplogroups are Associated with Psychiatric Disease: A Nation-Wide Study of 74,763 Danes. Biological Psychiatry, 2017, 81, S3.	0.7	0
104	Hair Cortisol in Twins: Heritability and Genetic Overlap with Psychological Variables and Stress-System Genes. Scientific Reports, 2017, 7, 15351.	1.6	50
105	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. Molecular Autism, 2017, 8, 21.	2.6	495
106	An epigenetic clock for gestational age at birth based on blood methylation data. Genome Biology, 2016, 17, 206.	3.8	193
107	Genetic risk for autism spectrum disorders and neuropsychiatric variation in the general population. Nature Genetics, 2016, 48, 552-555.	9.4	326
108	High-Quality Exome Sequencing of Whole-Genome Amplified Neonatal Dried Blood Spot DNA. PLoS ONE, 2016, 11, e0153253.	1.1	38

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109	Gene expression profiling of archived dried blood spot samples from the Danish Neonatal Screening Biobank. Molecular Genetics and Metabolism, 2015, 116, 119-124.	0.5	19
110	DNA methylome profiling using neonatal dried blood spot samples: A proof-of-principle study. Molecular Genetics and Metabolism, 2013, 108, 225-231.	0.5	56
111	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
112	Distinct DNA methylation patterns in cirrhotic liver and hepatocellular carcinoma. International Journal of Cancer, 2012, 130, 1319-1328.	2.3	80