James A Knowles

List of Publications by Year
in descending order

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65 papers	12,361 citations	159585 30 h-index	110387 64 g-index
74 all docs	74 docs citations	74 times ranked	18937 citing authors

#	Article	IF	Citations
1	Sex-Dependent Shared and Nonshared Genetic Architecture Across Mood and Psychotic Disorders. Biological Psychiatry, 2022, 91, 102-117.	1.3	61
2	Mapping genomic loci implicates genes and synaptic biology in schizophrenia. Nature, 2022, 604, 502-508.	27.8	929
3	Rare coding variants in ten genes confer substantial risk for schizophrenia. Nature, 2022, 604, 509-516.	27.8	326
4	Exome sequencing in obsessiveâ€“compulsive disorder reveals a burden of rare damaging coding variants. Nature Neuroscience, 2021, 24, 1071-1076.	14.8	35
5	Neuronal and glial 3D chromatin architecture informs the cellular etiology of brain disorders. Nature Communications, 2021, 12, 3968.	12.8	48
6	What Have We Learned About the Genetics of Obsessive-Compulsive and Related Disorders in Recent Years?. Focus (American Psychiatric Publishing), 2021, 19, 384-391.	0.8	2
7	Contributions of common genetic variants to risk of schizophrenia among individuals of African and Latino ancestry. Molecular Psychiatry, 2020, 25, 2455-2467.	7.9	82
8	Classical Human Leukocyte Antigen Alleles and C4 Haplotypes Are Not Significantly Associated With Depression. Biological Psychiatry, 2020, 87, 419-430.	1.3	27
9	General personality dimensions, impairment and treatment response in obsessiveâ€“compulsive disorder. Personality and Mental Health, 2020, 14, 186-198.	1.2	6
10	A CTGF-YAP Regulatory Pathway Is Essential for Angiogenesis and Barriergenesis in the Retina. IScience, 2020, 23, 101184.	4.1	33
11	Recurrent Rare Copy Number Variants Increase Risk for Esotropia. , 2020, 61, 22.		8
12	Transcriptome data of temporal and cingulate cortex in the Rett syndrome brain. Scientific Data, 2020, 7, 192.	5.3	9
13	Genes Implicated in Rare Congenital Inner Ear and Cochleovestibular Nerve Malformations. Ear and Hearing, 2020, 41, 983-989.	2.1	6
14	Gene Expression in Patient-Derived Neural Progenitors Implicates WNT5A Signaling in the Etiology of Schizophrenia. Biological Psychiatry, 2020, 88, 236-247.	1.3	28
15	Transcriptional Profiling of Primate Central Nucleus of the Amygdala Neurons to Understand the Molecular Underpinnings of Early-Life Anxious Temperament. Biological Psychiatry, 2020, 88, 638-648.	1.3	18
16	Endogenous Cell Typeâ€“Specific Disrupted in Schizophrenia 1 Interactomes Reveal Protein Networks Associated With Neurodevelopmental Disorders. Biological Psychiatry, 2019, 85, 305-316.	1.3	26
17	Dorsal Amygdala Neurotrophin-3 Decreases Anxious Temperament in Primates. Biological Psychiatry, 2019, 86, 881-889.	1.3	27
18	A de novo SIX1 variant in a patient with a rare nonsyndromic cochleovestibular nerve abnormality, cochlear hypoplasia, and bilateral sensorineural hearing loss. Molecular Genetics & Genomic Medicine, 2019, 7, e995.	1.2	6

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19	Deconvolution of transcriptional networks identifies TCF4 as a master regulator in schizophrenia. Science Advances, 2019, 5, eaau4139.	10.3	59
20	Immune-Related Comorbidities in Childhood-Onset Obsessive Compulsive Disorder: Lifetime Prevalence in the Obsessive Compulsive Disorder Collaborative Genetics Association Study. Journal of Child and Adolescent Psychopharmacology, 2019, 29, 615-624.	1.3	22
21	Genome-wide Burden of Rare Short Deletions Is Enriched in Major Depressive Disorder in Four Cohorts. Biological Psychiatry, 2019, 85, 1065-1073.	1.3	25
22	Concordance of genetic variation that increases risk for Tourette Syndrome and that influences its underlying neurocircuitry. Translational Psychiatry, 2019, 9, 120.	4.8	24
23	Populationâ€based identityâ€byâ€descent mapping combined with exome sequencing to detect rare risk variants for schizophrenia. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2019, 180, 223-231.	1.7	2
24	Contribution of Rare Copy Number Variants toÂBipolar Disorder Risk Is Limited to Schizoaffective Cases. Biological Psychiatry, 2019, 86, 110-119.	1.3	45
25	When tractography meets tracer injections: a systematic study of trends and variation sources of diffusion-based connectivity. Brain Structure and Function, 2018, 223, 2841-2858.	2.3	63
26	Genome-wide association analyses identify 44 risk variants and refine the genetic architecture of major depression. Nature Genetics, 2018, 50, 668-681.	21.4	2,224
27	Self-reported executive function and hoarding in adults with obsessive-compulsive disorder. Comprehensive Psychiatry, 2018, 81, 53-59.	3.1	10
28	Using 3D epigenomic maps of primary olfactory neuronal cells from living individuals to understand gene regulation. Science Advances, 2018, 4, eaav8550.	10.3	43
29	Transcriptome and epigenome landscape of human cortical development modeled in organoids. Science, 2018, 362, .	12.6	220
30	Integrative functional genomic analysis of human brain development and neuropsychiatric risks. Science, 2018, 362, .	12.6	516
31	Transcriptome-wide isoform-level dysregulation in ASD, schizophrenia, and bipolar disorder. Science, 2018, 362, .	12.6	805
32	Comprehensive functional genomic resource and integrative model for the human brain. Science, 2018, 362, .	12.6	618
33	De novo variants in GREB1L are associated with non-syndromic inner ear malformations and deafness. Human Genetics, 2018, 137, 459-470.	3.8	24
34	Significant concordance of genetic variation that increases both the risk for obsessiveâ€“compulsive disorder and the volumes of the nucleus accumbens and putamen. British Journal of Psychiatry, 2018, 213, 430-436.	2.8	32
35	Analysis of shared heritability in common disorders of the brain. Science, 2018, 360, .	12.6	1,085
36	Genomic Dissection of Bipolar Disorder and Schizophrenia, Including 28 Subphenotypes. Cell, 2018, 173, 1705-1715.e16.	28.9	623

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37	Parental bonding and hoarding in obsessiveâ€“compulsive disorder. Comprehensive Psychiatry, 2017, 73, 43-52.	3.1	25
38	Rare Copy Number Variants in NRXN1 and CNTN6 Increase Risk for Tourette Syndrome. Neuron, 2017, 94, 1101-1111.e7.	8.1	137
39	An investigation of doubt in obsessiveâ€“compulsive disorder. Comprehensive Psychiatry, 2017, 75, 117-124.	3.1	30
40	Integrating evolutionary and regulatory information with a multispecies approach implicates genes and pathways in obsessive-compulsive disorder. Nature Communications, 2017, 8, 774.	12.8	52
41	Molecular and cellular reorganization of neural circuits in the human lineage. Science, 2017, 358, 1027-1032.	12.6	192
42	Spatiotemporal profile of postsynaptic interactomes integrates components of complex brain disorders. Nature Neuroscience, 2017, 20, 1150-1161.	14.8	104
43	Contribution of copy number variants to schizophrenia from a genome-wide study of 41,321 subjects. Nature Genetics, 2017, 49, 27-35.	21.4	838
44	Genetic variants specific to aging-related verbal memory: Insights from GWASs in a population-based cohort. PLoS ONE, 2017, 12, e0182448.	2.5	28
45	Impact of the Autism-Associated Long Noncoding RNA MSNP1AS on Neuronal Architecture and Gene Expression in Human Neural Progenitor Cells. Genes, 2016, 7, 76.	2.4	36
46	Assessing characteristics of RNA amplification methods for single cell RNA sequencing. BMC Genomics, 2016, 17, 966.	2.8	34
47	EphA7 regulates spiral ganglion innervation of cochlear hair cells. Developmental Neurobiology, 2016, 76, 452-469.	3.0	20
48	OBSESSIVE-COMPULSIVE PERSONALITY DISORDER: EVIDENCE FOR TWO DIMENSIONS. Depression and Anxiety, 2016, 33, 128-135.	4.1	20
49	ADHD and executive functioning deficits in OCD youths who hoard. Journal of Psychiatric Research, 2016, 82, 141-148.	3.1	24
50	Comprehensive cellularâ€resolution atlas of the adult human brain. Journal of Comparative Neurology, 2016, 524, Spc1.	1.6	8
51	Comprehensive cellularâ€resolution atlas of the adult human brain. Journal of Comparative Neurology, 2016, 524, 3127-3481.	1.6	302
52	Long-read sequencing and de novo assembly of a Chinese genome. Nature Communications, 2016, 7, 12065.	12.8	242
53	Clinically effective OCD treatment prevents 5-HT1B receptor-induced repetitive behavior and striatal activation. Psychopharmacology, 2016, 233, 57-70.	3.1	24
54	Noncoding RNA in the transcriptional landscape of human neural progenitor cell differentiation. Frontiers in Neuroscience, 2015, 9, 392.	2.8	11

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55	Cross-Disorder Genome-Wide Analyses Suggest a Complex Genetic Relationship Between Touretteâ€™s Syndrome and OCD. American Journal of Psychiatry, 2015, 172, 82-93.	7.2	117
56	Non-coding RNAs derived from an alternatively spliced REST transcript (REST-003) regulate breast cancer invasiveness. Scientific Reports, 2015, 5, 11207.	3.3	26
57	The PsychENCODE project. Nature Neuroscience, 2015, 18, 1707-1712.	14.8	371
58	Evidence for Linkage and Association of GABRB3 and GABRA5 to Panic Disorder. Neuropsychopharmacology, 2014, 39, 2423-2431.	5.4	26
59	Regulation of Synaptic nlg-1/Neuroligin Abundance by the skn-1/Nrf Stress Response Pathway Protects against Oxidative Stress. PLoS Genetics, 2014, 10, e1004100.	3.5	45
60	Transcriptional landscape of the prenatal human brain. Nature, 2014, 508, 199-206.	27.8	1,147
61	Hoarding in children and adolescents with obsessiveâ€“compulsive disorder. Journal of Obsessive-Compulsive and Related Disorders, 2014, 3, 325-331.	1.5	31
62	Partitioning the Heritability of Tourette Syndrome and Obsessive Compulsive Disorder Reveals Differences in Genetic Architecture. PLoS Genetics, 2013, 9, e1003864.	3.5	241
63	Assessing the efficacy of endoscopic office olfactory biopsy sites to produce neural progenitor cell cultures for the study of neuropsychiatric disorders. International Forum of Allergy and Rhinology, 2013, 3, 133-138.	2.8	17
64	Olfactory neuroepithelium-derived neural progenitor cells as a model system for investigating the molecular mechanisms of neuropsychiatric disorders. Psychiatric Genetics, 2011, 21, 217-228.	1.1	24
65	Serotonin Transporter Polymorphisms in Patients With Portopulmonary Hypertension. Chest, 2009, 135, 1470-1475.	0.8	38