Tracey L Petryshen

List of Publications by Year
in descending order

77	17,177	76326	85541
papers	citations	40 h-index	71 g-index

84	84	84	24574
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biological insights from 108 schizophrenia-associated genetic loci. Nature, 2014, 511, 421-427.	27.8	6,934
2	Modeling Linkage Disequilibrium Increases Accuracy of Polygenic Risk Scores. American Journal of Human Genetics, 2015, 97, 576-592.	6.2	1,098
3	Analysis of shared heritability in common disorders of the brain. Science, 2018, 360, .	12.6	1,085
4	Mapping genomic loci implicates genes and synaptic biology in schizophrenia. Nature, 2022, 604, 502-508.	27.8	929
5	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
6	Assessing the impact of population stratification on genetic association studies. Nature Genetics, 2004, 36, 388-393.	21.4	734
7	Disrupted in Schizophrenia 1 Regulates Neuronal Progenitor Proliferation via Modulation of GSK3Î²/Î²-Catenin Signaling. Cell, 2009, 136, 1017-1031.	28.9	703
8	Genomic Dissection of Bipolar Disorder and Schizophrenia, Including 28 Subphenotypes. Cell, 2018, 173, 1705-1715.e16.	28.9	623
9	Partitioning Heritability of Regulatory and Cell-Type-Specific Variants across 11 Common Diseases. American Journal of Human Genetics, 2014, 95, 535-552.	6.2	569
10	Excessive Extracellular Volume Reveals a Neurodegenerative Pattern in Schizophrenia Onset. Journal of Neuroscience, 2012, 32, 17365-17372.	3.6	259
11	Population genetic study of the brain-derived neurotrophic factor (BDNF) gene. Molecular Psychiatry, 2010, 15, 810-815.	7.9	227
12	Genetic influences on schizophrenia and subcortical brain volumes: large-scale proof of concept. Nature Neuroscience, 2016, 19, 420-431.	14.8	204
13	Support for involvement of neuregulin 1 in schizophrenia pathophysiology. Molecular Psychiatry, 2005, 10, 366-374.	7.9	168
14	Genomewide Linkage Analysis of Bipolar Disorder by Use of a High-Density Single-Nucleotideâ€“Polymorphism (SNP) Genotyping Assay: A Comparison with Microsatellite Marker Assays and Finding of Significant Linkage to Chromosome 6q22. American Journal of Human Genetics, 2004, 74, 886-897.	6.2	167
15	Gene expression imputation across multiple brain regions provides insights into schizophrenia risk. Nature Genetics, 2019, 51, 659-674.	21.4	154
16	Estimation of Genetic Correlation via Linkage Disequilibrium Score Regression and Genomic Restricted Maximum Likelihood. American Journal of Human Genetics, 2018, 102, 1185-1194.	6.2	119
17	A Selective HDAC 1/2 Inhibitor Modulates Chromatin and Gene Expression in Brain and Alters Mouse Behavior in Two Mood-Related Tests. PLoS ONE, 2013, 8, e71323.	2.5	118
18	Genetic investigation of chromosome 5q GABAA receptor subunit genes in schizophrenia. Molecular Psychiatry, 2005, 10, 1074-1088.	7.9	112

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19	Copy Number Variation in Obsessive-Compulsive Disorder and Tourette Syndrome: A Cross-Disorder Study. Journal of the American Academy of Child and Adolescent Psychiatry, 2014, 53, 910-919.	0.5	111
20	Genome-wide scan in Portuguese Island families identifies 5q31â€“5q35 as a susceptibility locus for schizophrenia and psychosis. Molecular Psychiatry, 2004, 9, 213-218.	7.9	105
21	AKT Kinase Activity Is Required for Lithium to Modulate Mood-Related Behaviors in Mice. Neuropsychopharmacology, 2011, 36, 1397-1411.	5.4	98
22	White Matter Microstructure in Individuals at Clinical High Risk of Psychosis: A Whole-Brain Diffusion Tensor Imaging Study. Schizophrenia Bulletin, 2014, 40, 895-903.	4.3	97
23	The ANK3 Bipolar Disorder Gene Regulates Psychiatric-Related Behaviors That Are Modulated by Lithium and Stress. Biological Psychiatry, 2013, 73, 683-690.	1.3	94
24	Sex differences in the genetic risk for schizophrenia: History of the evidence for sexâ€specific and sexâ€dependent effects. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2013, 162, 698-710.	1.7	83
25	Evidence for a susceptibility locus on chromosome 6q influencing phonological coding dyslexia. American Journal of Medical Genetics Part A, 2001, 105, 507-517.	2.4	77
26	Molecular Profiles of Pyramidal Neurons in the Superior Temporal Cortex in Schizophrenia. Journal of Neurogenetics, 2014, 28, 53-69.	1.4	75
27	Genome-wide association studies of schizophrenia. Current Opinion in Psychiatry, 2012, 25, 76-82.	6.3	72
28	Supportive evidence for the DYX3 dyslexia susceptibility gene in Canadian families. Journal of Medical Genetics, 2002, 39, 125-126.	3.2	68
29	Heritability of Neuropsychological Measures in Schizophrenia and Nonpsychiatric Populations: A Systematic Review and Meta-analysis. Schizophrenia Bulletin, 2017, 43, 788-800.	4.3	62
30	Sex-Dependent Shared and Nonshared Genetic Architecture Across Mood and Psychotic Disorders. Biological Psychiatry, 2022, 91, 102-117.	1.3	61
31	Fus1p Interacts With Components of the Hog1p Mitogen-Activated Protein Kinase and Cdc42p Morphogenesis Signaling Pathways to Control Cell Fusion During Yeast Mating. Genetics, 2004, 166, 67-77.	2.9	60
32	Confirmation of a dyslexia susceptibility locus on chromosome 1p34â€p36 in a set of 100 Canadian families. American Journal of Medical Genetics Part A, 2004, 127B, 117-124.	2.4	60
33	The Relationship Between Polygenic Risk Scores and Cognition in Schizophrenia. Schizophrenia Bulletin, 2020, 46, 336-344.	4.3	60
34	A dyslexia susceptibility locus (DYX7) linked to dopamine D4 receptor (DRD4) region on chromosome 11p15.5. American Journal of Medical Genetics Part A, 2004, 125B, 112-119.	2.4	55
35	Family-Based Association Study of Lithium-Related and Other Candidate Genes in Bipolar Disorder. Archives of General Psychiatry, 2008, 65, 53.	12.3	55
36	Ankyrin-G regulates neurogenesis and Wnt signaling by altering the subcellular localization of Î²-catenin. Molecular Psychiatry, 2015, 20, 388-397.	7.9	54

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37	Absence of Significant Linkage between Phonological Coding Dyslexia and Chromosome 6p23-21.3, as Determined by Use of Quantitative-Trait Methods: Confirmation of Qualitative Analyses. American Journal of Human Genetics, 2000, 66, 708-714.	6.2	50
38	Clinical high risk and first episode schizophrenia: Auditory event-related potentials. Psychiatry Research - Neuroimaging, 2015, 231, 126-133.	1.8	50
39	Ankyrin 3: genetic association with bipolar disorder and relevance to disease pathophysiology. Biology of Mood & Anxiety Disorders, 2012, 2, 18.	4.7	48
40	Examining Sex-Differentiated Genetic Effects Across Neuropsychiatric and Behavioral Traits. Biological Psychiatry, 2021, 89, 1127-1137.	1.3	48
41	Tractography Analysis of 5 White Matter Bundles and Their Clinical and Cognitive Correlates in Early-Course Schizophrenia. Schizophrenia Bulletin, 2016, 42, 762-771.	4.3	45
42	Sex-specific rates of transmission of psychosis in the New England high-risk family study. Schizophrenia Research, 2011, 128, 150-155.	2.0	36
43	Two Quantitative Trait Loci for Prepulse Inhibition of Startle Identified on Mouse Chromosome 16 Using Chromosome Substitution Strains. Genetics, 2005, 171, 1895-1904.	2.9	34
44	MiR-137-derived polygenic risk: effects on cognitive performance in patients with schizophrenia and controls. Translational Psychiatry, 2017, 7, e1012-e1012.	4.8	34
45	The ankyrin-3 gene is associated with posttraumatic stress disorder and externalizing comorbidity. Psychoneuroendocrinology, 2013, 38, 2249-2257.	2.7	31
46	Anterior commissural white matter fiber abnormalities in first-episode psychosis: A tractography study. Schizophrenia Research, 2015, 162, 29-34.	2.0	31
47	Enlarged lateral ventricles inversely correlate with reduced corpus callosum central volume in first episode schizophrenia: association with functional measures. Brain Imaging and Behavior, 2016, 10, 1264-1273.	2.1	30
48	Analysis of schizophrenia-related genes and electrophysiological measures reveals ZNF804A association with amplitude of P300b elicited by novel sounds. Translational Psychiatry, 2014, 4, e346-e346.	4.8	29
49	Disruption of the psychiatric risk gene Ankyrin 3 enhances microtubule dynamics through GSK3/CRMP2 signaling. Translational Psychiatry, 2018, 8, 135.	4.8	26
50	Diffusion tensor imaging study of the fornix in first episode schizophrenia and in healthy controls. Schizophrenia Research, 2014, 156, 157-160.	2.0	23
51	A New MRI Masking Technique Based on Multiâ€Atlas Brain Segmentation in Controls and Schizophrenia: A Rapid and Viable Alternative to Manual Masking. Journal of Neuroimaging, 2016, 26, 28-36.	2.0	23
52	Antidepressant-like effect of low dose ketamine and scopolamine co-treatment in mice. Neuroscience Letters, 2016, 620, 70-73.	2.1	22
53	Drug discovery for psychiatric disorders using high-content single-cell screening of signaling network responses ex vivo. Science Advances, 2019, 5, eaau9093.	10.3	22
54	Abnormal white matter connections between medial frontal regions predict symptoms in patients with first episode schizophrenia. Cortex, 2015, 71, 264-276.	2.4	20

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55	Lithium reverses behavioral and axonal transport-related changes associated with ANK3 bipolar disorder gene disruption. European Neuropsychopharmacology, 2017, 27, 274-288.	0.7	20
56	The Genetics of Endophenotypes of Neurofunction to Understand Schizophrenia (GENUS) consortium: A collaborative cognitive and neuroimaging genetics project. Schizophrenia Research, 2018, 195, 306-317.	2.0	17
57	Alteration of gray matter microstructure in schizophrenia. Brain Imaging and Behavior, 2018, 12, 54-63.	2.1	16
58	Hyperactivity of caudate, parahippocampal, and prefrontal regions during working memory in never-medicated persons at clinical high-risk for psychosis. Schizophrenia Research, 2016, 173, 1-12.	2.0	15
59	Diffusion abnormalities in the corpus callosum in first episode schizophrenia: Associated with enlarged lateral ventricles and symptomatology. Psychiatry Research, 2019, 277, 45-51.	3.3	14
60	The genetics of reading disability. Current Psychiatry Reports, 2009, 11, 149-155.	4.5	12
61	A comparison of neurocognition and functioning in first episode psychosis populations: do research samples reflect the real world?. Social Psychiatry and Psychiatric Epidemiology, 2019, 54, 291-301.	3.1	12
62	Genomic survey of prepulse inhibition in mouse chromosome substitution strains. Genes, Brain and Behavior, 2009, 8, 806-816.	2.2	11
63	Genome-wide analyses of smoking behaviors in schizophrenia: Findings from the Psychiatric Genomics Consortium. Journal of Psychiatric Research, 2021, 137, 215-224.	3.1	10
64	Novel gene-brain structure relationships in psychotic disorder revealed using parallel independent component analyses. Schizophrenia Research, 2017, 182, 74-83.	2.0	9
65	Linkage disequilibrium and haplotype structure of five GABAA receptor subunit genes investigated for association with schizophrenia. Molecular Psychiatry, 2005, 10, 1057-1057.	7.9	8
66	Schizophrenia: Do the Genetics and Neurobiology of Neuregulin Provide a Pathogenesis Model?. Harvard Review of Psychiatry, 2006, 14, 64-77.	2.1	8
67	Abnormal relationships between local and global brain measures in subjects at clinical high risk for psychosis: a pilot study. Brain Imaging and Behavior, 2018, 12, 974-988.	2.1	7
68	Utilizing Mutual Information Analysis to Explore the Relationship Between Gray and White Matter Structural Pathologies in Schizophrenia. Schizophrenia Bulletin, 2019, 45, 386-395.	4.3	7
69	Structural and functional MRI of altered brain development in a novel adolescent rat model of quinpirole-induced compulsive checking behavior. European Neuropsychopharmacology, 2020, 33, 58-70.	0.7	7
70	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
71	Memantine treatment does not affect compulsive behavior or frontostriatal connectivity in an adolescent rat model for quinpirole-induced compulsive checking behavior. Psychopharmacology, 2022, 239, 2457-2470.	3.1	2
72	513. Functional Characterization of Ankyrin Loss of Function Mutations Associated with Autism Spectrum Disorder. Biological Psychiatry, 2017, 81, S208-S209.	1.3	0

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73	222. Functional Studies of the Ankryin3 Bipolar Disorder GWAS Gene in Mouse and Neuronal Models. Biological Psychiatry, 2017, 81, S91.	1.3	0
74	272. Ventricles, Corpus Callosum and MIR137 in Large N Study of Schizophrenia. Biological Psychiatry, 2017, 81, S111-S112.	1.3	0
75	701. Schizophrenia Genetic Risk Factors Are Associated with Cognitive Functions in the GENUS Consortium Collection. Biological Psychiatry, 2017, 81, S284.	1.3	0
76	T226. Genotype-By-Sex Interaction Effects in the Risk for Schizophrenia, Major Depressive Disorder, and Bipolar Disorder. Biological Psychiatry, 2018, 83, S216.	1.3	0
77	MOLECULAR STUDIES OF THE ANKRYIN3 BIPOLAR DISORDER GWAS GENE IMPLICATE A ROLE IN MICROTUBULE DYNAMICS. European Neuropsychopharmacology, 2019, 29, S920-S921.	0.7	0