Lea Karatheodoris Davis

List of Publications by Year
in descending order

88 papers	9,469 citations	109137 35 h-index	49773 87 g-index
124 all docs	124 docs citations	124 times ranked	14877 citing authors

#	Article	IF	Citations
1	Genome-wide meta-analysis identifies new loci and functional pathways influencing Alzheimerâ€™s disease risk. Nature Genetics, 2019, 51, 404-413.	9.4	1,625
2	Autism genome-wide copy number variation reveals ubiquitin and neuronal genes. Nature, 2009, 459, 569-573.	13.7	1,270
3	Multiple Recurrent De Novo CNVs, Including Duplications of the 7q11.23 Williams Syndrome Region, Are Strongly Associated with Autism. Neuron, 2011, 70, 863-885.	3.8	1,146
4	GWAS of lifetime cannabis use reveals new risk loci, genetic overlap with psychiatric traits, and a causal effect of schizophrenia liability. Nature Neuroscience, 2018, 21, 1161-1170.	7.1	436
5	A genome-wide association study with 1,126,563 individuals identifies new risk loci for Alzheimerâ€™s disease. Nature Genetics, 2021, 53, 1276-1282.	9.4	430
6	Large-scale genome-wide meta-analysis of polycystic ovary syndrome suggests shared genetic architecture for different diagnosis criteria. PLoS Genetics, 2018, 14, e1007813.	1.5	341
7	Interrogating the Genetic Determinants of Touretteâ€™s Syndrome and Other Tic Disorders Through Genome-Wide Association Studies. American Journal of Psychiatry, 2019, 176, 217-227.	4.0	242
8	Genome-wide meta-analysis of problematic alcohol use in 435,563 individuals yields insights into biology and relationships with other traits. Nature Neuroscience, 2020, 23, 809-818.	7.1	242
9	Partitioning the Heritability of Tourette Syndrome and Obsessive Compulsive Disorder Reveals Differences in Genetic Architecture. PLoS Genetics, 2013, 9, e1003864.	1.5	241
10	The role of sex in the genomics ofÂhuman complex traits. Nature Reviews Genetics, 2019, 20, 173-190.	7.7	203
11	A large-scale genome-wide association study meta-analysis of cannabis use disorder. Lancet Psychiatry,the, 2020, 7, 1032-1045.	3.7	200
12	Copy number variations on chromosome 12q14 in patients with normal tension glaucoma. Human Molecular Genetics, 2011, 20, 2482-2494.	1.4	189
13	Penetrance and Pleiotropy of Polygenic Risk Scores for Schizophrenia in 106,160 Patients Across Four Health Care Systems. American Journal of Psychiatry, 2019, 176, 846-855.	4.0	168
14	De Novo Coding Variants Are Strongly Associated with Tourette Disorder. Neuron, 2017, 94, 486-499.e9.	3.8	155
15	Rare Copy Number Variants in NRXN1 and CNTN6 Increase Risk for Tourette Syndrome. Neuron, 2017, 94, 1101-1111.e7.	3.8	137
16	Cross-Disorder Genome-Wide Analyses Suggest a Complex Genetic Relationship Between Touretteâ€™s Syndrome and OCD. American Journal of Psychiatry, 2015, 172, 82-93.	4.0	117
17	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.	0.3	111
18	Use of array CGH to detect exonic copy number variants throughout the genome in autism families detects a novel deletion in TMLHE. Human Molecular Genetics, 2011, 20, 4360-4370.	1.4	101

#	Article	IF	Citations
19	Genome-wide association study of delay discounting in 23,217 adult research participants of European ancestry. Nature Neuroscience, 2018, 21, 16-18.	7.1	98
20	Pax6 3â€² deletion results in aniridia, autism and mental retardation. Human Genetics, 2008, 123, 371-378.	1.8	95
21	The Biological Contributions to Gender Identity and Gender Diversity: Bringing Data to the Table. Behavior Genetics, 2018, 48, 95-108.	1.4	92
22	De Novo Sequence and Copy Number Variants Are Strongly Associated with Tourette Disorder and Implicate Cell Polarity in Pathogenesis. Cell Reports, 2018, 24, 3441-3454.e12.	2.9	91
23	Polygenic burden in focal and generalized epilepsies. Brain, 2019, 142, 3473-3481.	3.7	90
24	Sex-specific genetic predictors of Alzheimerâ€™s disease biomarkers. Acta Neuropathologica, 2018, 136, 857-872.	3.9	87
25	Genomeâ€wide association study of alcohol use disorder identification test (AUDIT) scores in 20Â328 research participants of European ancestry. Addiction Biology, 2019, 24, 121-131.	1.4	84
26	Examination of the shared genetic basis of anorexia nervosa and obsessiveâ€“compulsive disorder. Molecular Psychiatry, 2020, 25, 2036-2046.	4.1	83
27	Genome-Wide Association Study of Loneliness Demonstrates a Role for Common Variation. Neuropsychopharmacology, 2017, 42, 811-821.	2.8	75
28	Phenome-wide investigation of health outcomes associated with genetic predisposition to loneliness. Human Molecular Genetics, 2019, 28, 3853-3865.	1.4	62
29	Genetic association signal near <scp>NTN</scp>4 in <scp>T</scp>ourette syndrome. Annals of Neurology, 2014, 76, 310-315.	2.8	53
30	Leveraging blood serotonin as an endophenotype to identify de novo and rare variants involved in autism. Molecular Autism, 2017, 8, 14.	2.6	50
31	A genome-wide association study of polycystic ovary syndrome identified from electronic health records. American Journal of Obstetrics and Gynecology, 2020, 223, 559.e1-559.e21.	0.7	49
32	Clinical laboratory test-wide association scan of polygenic scores identifies biomarkers of complex disease. Genome Medicine, 2021, 13, 6.	3.6	49
33	Investigating Shared Genetic Basis Across Tourette Syndrome and Comorbid Neurodevelopmental Disorders Along the Impulsivity-Compulsivity Spectrum. Biological Psychiatry, 2021, 90, 317-327.	0.7	49
34	Examining Sex-Differentiated Genetic Effects Across Neuropsychiatric and Behavioral Traits. Biological Psychiatry, 2021, 89, 1127-1137.	0.7	48
35	Integrative genomic analyses identify susceptibility genes underlying COVID-19 hospitalization. Nature Communications, 2021, 12, 4569.	5.8	47
36	Identification of Two Heritable Cross-Disorder Endophenotypes for Tourette Syndrome. American Journal of Psychiatry, 2017, 174, 387-396.	4.0	46

#	Article	IF	Citations
37	Sex differences in the genetic architecture of obsessiveâ€“compulsive disorder. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2019, 180, 351-364.	1.1	41
38	A Polygenic and Phenotypic Risk Prediction for Polycystic Ovary Syndrome Evaluated by Phenome-Wide Association Studies. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 1918-1936.	1.8	40
39	Loci nominally associated with autism from genome-wide analysis show enrichment of brain expression quantitative trait loci but not lymphoblastoid cell line expression quantitative trait loci. Molecular Autism, 2012, 3, 3.	2.6	38
40	Genome-wide analysis of copy number variants in age-related macular degeneration. Human Genetics, 2011, 129, 91-100.	1.8	36
41	Novel copy number variants in children with autism and additional developmental anomalies. Journal of Neurodevelopmental Disorders, 2009, 1, 292-301.	1.5	35
42	Genome-wide association study of musical beat synchronization demonstrates high polygenicity. Nature Human Behaviour, 2022, 6, 1292-1309.	6.2	33
43	Elevated Polygenic Burden for Autism Spectrum Disorder Is Associated With the Broad Autism Phenotype in Mothers of Individuals With Autism Spectrum Disorder. Biological Psychiatry, 2021, 89, 476-485.	0.7	32
44	Synaptic processes and immune-related pathways implicated in Tourette syndrome. Translational Psychiatry, 2021, 11, 56.	2.4	31
45	Use of the PsycheMERGE Network to Investigate the Association Between Depression Polygenic Scores and White Blood Cell Count. JAMA Psychiatry, 2021, 78, 1365.	6.0	31
46	Genetic risk for major depressive disorder and loneliness in sex-specific associations with coronary artery disease. Molecular Psychiatry, 2021, 26, 4254-4264.	4.1	26
47	Genome-wide association study of problematic opioid prescription use in 132,113 23andMe research participants of European ancestry. Molecular Psychiatry, 2021, 26, 6209-6217.	4.1	26
48	Structural Architecture of SNP Effects on Complex Traits. American Journal of Human Genetics, 2014, 95, 477-489.	2.6	24
49	Association of Thyroid Function Genetic Predictors With Atrial Fibrillation. JAMA Cardiology, 2019, 4, 136.	3.0	23
50	Genome-wide association study of pediatric obsessive-compulsive traits: shared genetic risk between traits and disorder. Translational Psychiatry, 2021, 11, 91.	2.4	23
51	The Evolutionary History of Common Genetic Variants Influencing Human Cortical Surface Area. Cerebral Cortex, 2021, 31, 1873-1887.	1.6	21
52	Consensus Genotyper for Exome Sequencing (CGES): improving the quality of exome variant genotypes. Bioinformatics, 2015, 31, 187-193.	1.8	18
53	Estimating heritability and genetic correlations from large health datasets in the absence of genetic data. Nature Communications, 2019, 10, 5508.	5.8	17
54	Characterizing the Clinical and Genetic Spectrum of Polycystic Ovary Syndrome in Electronic Health Records. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 153-167.	1.8	16

#	Article	IF	Citations
55	Pancreatic islet beta cell-specific deletion of G6pc2 reduces fasting blood glucose. Journal of Molecular Endocrinology, 2020, 64, 235-248.	1.1	16
56	Proposing a Sex-Adjusted Sodium-Adjusted MELD Score for Liver Transplant Allocation. JAMA Surgery, 2022, 157, 618.	2.2	16
57	Genetically regulated multi-omics study for symptom clusters of posttraumatic stress disorder highlights pleiotropy with hematologic and cardio-metabolic traits. Molecular Psychiatry, 2022, 27, 1394-1404.	4.1	15
58	A study paradigm integrating prospective epidemiologic cohorts and electronic health records to identify disease biomarkers. Nature Communications, 2018, 9, 3522.	5.8	13
59	Epidemiology of Functional Seizures Among Adults Treated at a University Hospital. JAMA Network Open, 2020, 3, e2027920.	2.8	13
60	A dimensional perspective on the genetics of obsessive-compulsive disorder. Translational Psychiatry, 2021, 11, 401.	2.4	12
61	Alcohol and cigarette smoking consumption as genetic proxies for alcohol misuse and nicotine dependence. Drug and Alcohol Dependence, 2021, 221, 108612.	1.6	11
62	Contextualizing genetic risk score for disease screening and rare variant discovery. Nature Communications, 2021, 12, 4418.	5.8	11
63	Potential positive and negative consequences of ZnT8 inhibition. Journal of Endocrinology, 2020, 246, 189-205.	1.2	10
64	Nonsynonymous single-nucleotide polymorphisms in the G6PC2 gene affect protein expression, enzyme activity, and fasting blood glucose. Journal of Biological Chemistry, 2022, 298, 101534.	1.6	9
65	Common knowledge: shared genetics in psychiatry. Nature Neuroscience, 2019, 22, 331-332.	7.1	8
66	Genetic Thyrotropin Regulation of Atrial Fibrillation Risk Is Mediated Through an Effect on Height. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 2124-2132.	1.8	8
67	Automated Phenotyping Tool for Identifying Developmental Language Disorder Cases in Health Systems Data (APT-DLD): A New Research Algorithm for Deployment in Large-Scale Electronic Health Record Systems. Journal of Speech, Language, and Hearing Research, 2020, 63, 3019-3035.	0.7	7
68	LGBTQ+ Perspectives on Conducting Genomic Research on SexualÂOrientation and Gender Identity. Behavior Genetics, 2022, 52, 246-267.	1.4	6
69	Estimating Uterine Fibroid SNP-Based Heritability in European American Women with Imaging-Confirmed Fibroids. Human Heredity, 2019, 84, 73-81.	0.4	5
70	Fate or coincidence: do COPD and major depression share genetic risk factors?. Human Molecular Genetics, 2021, 30, 619-628.	1.4	5
71	Medical phenome of musicians: an investigation of health records collected on 9803 musically active individuals. Annals of the New York Academy of Sciences, 2021, 1505, 156-168.	1.8	5
72	Frequency of benign neutropenia among Black versus White individuals undergoing a bone marrow assessment. Journal of Cellular and Molecular Medicine, 2022, 26, 3628-3635.	1.6	5

#	Article	IF	Citations
73	Usefulness of Single Nucleotide Polymorphisms as Predictors of Sudden Cardiac Death. American Journal of Cardiology, 2019, 123, 1900-1905.	0.7	4
74	The genetic architecture of plasma kynurenine includes cardiometabolic disease mechanisms associated with the SH2B3 gene. Scientific Reports, 2021, 11, 15652.	1.6	4
75	Bridging Molecular Genetics and Epidemiology to Better Understand Sex Differences in Attention-Deficit/Hyperactivity Disorder. Biological Psychiatry, 2018, 83, e55-e57.	0.7	3
76	Calcium-Sensing Receptor Polymorphisms at rs1801725 Are Associated with Increased Risk of Secondary Malignancies. Journal of Personalized Medicine, 2021, 11, 642.	1.1	3
77	Functional seizures are associated with cerebrovascular disease and functional stroke is more common in patients with functional seizures than epileptic seizures. Epilepsy and Behavior, 2022, 128, 108582.	0.9	3
78	Identifying High-Risk Comorbidities Associated with Opioid Use Patterns Using Electronic Health Record Prescription Data. Complex Psychiatry, 2022, 8, 47-56.	1.3	3
79	Investigating the genetic pathways of insomnia in Autism Spectrum Disorder. Research in Developmental Disabilities, 2022, 128, 104299.	1.2	3
80	The new science of sex differences in neuropsychiatric traits. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2019, 180, 333-334.	1.1	2
81	A phenomeâ€wide association study of polygenic scoresÂfor attention deficit hyperactivity disorder across two genetic ancestries in electronic health record data. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2022, 189, 185-195.	1.1	2
82	In Search of Genomic Stability: Characterizing Copy Number Stable Regions. Human Mutation, 2011, 32, v.	1.1	1
83	Shared Genetic Control of Brain Activity During Sleep and Insulin Secretion: A Laboratory-Based Family Study. Diabetes, 2018, 67, 155-164.	0.3	1
84	Pancreatic adenocarcinoma in liver transplant recipients: a case series. Annals of Pancreatic Cancer, 2021, 4, 0-0.	1.2	1
85	Genetic Sex Effects of Polycystic Ovary Syndrome Reveal Distinct Metabolic Etiology. Journal of the Endocrine Society, 2021, 5, A766-A766.	0.1	0
86	SAT-024 Investigating Racial and Ethnic Comorbidity Patterns of Polycystic Ovary Syndrome. Journal of the Endocrine Society, 2020, 4, .	0.1	0
87	Usage of biobank data for psychiatric genomics and promotion of precision psychiatry. , 2022, , 317-340.		0
88	Improving the computation efficiency of polygenic risk score modeling: faster in Julia. Life Science Alliance, 2022, 5, e202201382.	1.3	0