

# Lea Karatheodoris Davis

## List of Publications by Year in descending order

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Version: 2024-02-01

88  
papers

9,469  
citations

109321

35  
h-index

48315

88  
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 Alzheimer's disease risk. <i>Nature Genetics</i> , 2019, 51, 404-413.	21.4	1,625
2	Autism genome-wide copy number variation reveals ubiquitin and neuronal genes. <i>Nature</i> , 2009, 459, 569-573.	27.8	1,270
3	Multiple Recurrent De Novo CNVs, Including Duplications of the 7q11.23 Williams Syndrome Region, Are Strongly Associated with Autism. <i>Neuron</i> , 2011, 70, 863-885.	8.1	1,146
4	GWAS of lifetime cannabis use reveals new risk loci, genetic overlap with psychiatric traits, and a causal effect of schizophrenia liability. <i>Nature Neuroscience</i> , 2018, 21, 1161-1170.	14.8	436
5	A genome-wide association study with 1,126,563 individuals identifies new risk loci for Alzheimer's disease. <i>Nature Genetics</i> , 2021, 53, 1276-1282.	21.4	430
6	Large-scale genome-wide meta-analysis of polycystic ovary syndrome suggests shared genetic architecture for different diagnosis criteria. <i>PLoS Genetics</i> , 2018, 14, e1007813.	3.5	341
7	Interrogating the Genetic Determinants of Tourette's Syndrome and Other Tic Disorders Through Genome-Wide Association Studies. <i>American Journal of Psychiatry</i> , 2019, 176, 217-227.	7.2	242
8	Genome-wide meta-analysis of problematic alcohol use in 435,563 individuals yields insights into biology and relationships with other traits. <i>Nature Neuroscience</i> , 2020, 23, 809-818.	14.8	242
9	Partitioning the Heritability of Tourette Syndrome and Obsessive Compulsive Disorder Reveals Differences in Genetic Architecture. <i>PLoS Genetics</i> , 2013, 9, e1003864.	3.5	241
10	The role of sex in the genomics of human complex traits. <i>Nature Reviews Genetics</i> , 2019, 20, 173-190.	16.3	203
11	A large-scale genome-wide association study meta-analysis of cannabis use disorder. <i>Lancet Psychiatry</i> , 2020, 7, 1032-1045.	7.4	200
12	Copy number variations on chromosome 12q14 in patients with normal tension glaucoma. <i>Human Molecular Genetics</i> , 2011, 20, 2482-2494.	2.9	189
13	Penetrance and Pleiotropy of Polygenic Risk Scores for Schizophrenia in 106,160 Patients Across Four Health Care Systems. <i>American Journal of Psychiatry</i> , 2019, 176, 846-855.	7.2	168
14	De Novo Coding Variants Are Strongly Associated with Tourette Disorder. <i>Neuron</i> , 2017, 94, 486-499.e9.	8.1	155
15	Rare Copy Number Variants in NRXN1 and CNTN6 Increase Risk for Tourette Syndrome. <i>Neuron</i> , 2017, 94, 1101-1111.e7.	8.1	137
16	Cross-Disorder Genome-Wide Analyses Suggest a Complex Genetic Relationship Between Tourette's Syndrome and OCD. <i>American Journal of Psychiatry</i> , 2015, 172, 82-93.	7.2	117
17	Copy Number Variation in Obsessive-Compulsive Disorder and Tourette Syndrome: A Cross-Disorder Study. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2014, 53, 910-919.	0.5	111
18	Use of array CGH to detect exonic copy number variants throughout the genome in autism families detects a novel deletion in TMLHE. <i>Human Molecular Genetics</i> , 2011, 20, 4360-4370.	2.9	101

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19	Genome-wide association study of delay discounting in 23,217 adult research participants of European ancestry. <i>Nature Neuroscience</i> , 2018, 21, 16-18.	14.8	98
20	Pax6 3â€² deletion results in aniridia, autism and mental retardation. <i>Human Genetics</i> , 2008, 123, 371-378.	3.8	95
21	The Biological Contributions to Gender Identity and Gender Diversity: Bringing Data to the Table. <i>Behavior Genetics</i> , 2018, 48, 95-108.	2.1	92
22	De Novo Sequence and Copy Number Variants Are Strongly Associated with Tourette Disorder and Implicate Cell Polarity in Pathogenesis. <i>Cell Reports</i> , 2018, 24, 3441-3454.e12.	6.4	91
23	Polygenic burden in focal and generalized epilepsies. <i>Brain</i> , 2019, 142, 3473-3481.	7.6	90
24	Sex-specific genetic predictors of Alzheimerâ€™s disease biomarkers. <i>Acta Neuropathologica</i> , 2018, 136, 857-872.	7.7	87
25	Genome-wide association study of alcohol use disorder identification test (AUDIT) scores in 20,328 research participants of European ancestry. <i>Addiction Biology</i> , 2019, 24, 121-131.	2.6	84
26	Examination of the shared genetic basis of anorexia nervosa and obsessive-compulsive disorder. <i>Molecular Psychiatry</i> , 2020, 25, 2036-2046.	7.9	83
27	Genome-Wide Association Study of Loneliness Demonstrates a Role for Common Variation. <i>Neuropsychopharmacology</i> , 2017, 42, 811-821.	5.4	75
28	Phenome-wide investigation of health outcomes associated with genetic predisposition to loneliness. <i>Human Molecular Genetics</i> , 2019, 28, 3853-3865.	2.9	62
29	Genetic association signal near <i>NTN4</i> in Tourette syndrome. <i>Annals of Neurology</i> , 2014, 76, 310-315.	5.3	53
30	Leveraging blood serotonin as an endophenotype to identify de novo and rare variants involved in autism. <i>Molecular Autism</i> , 2017, 8, 14.	4.9	50
31	A genome-wide association study of polycystic ovary syndrome identified from electronic health records. <i>American Journal of Obstetrics and Gynecology</i> , 2020, 223, 559.e1-559.e21.	1.3	49
32	Clinical laboratory test-wide association scan of polygenic scores identifies biomarkers of complex disease. <i>Genome Medicine</i> , 2021, 13, 6.	8.2	49
33	Investigating Shared Genetic Basis Across Tourette Syndrome and Comorbid Neurodevelopmental Disorders Along the Impulsivity-Compulsivity Spectrum. <i>Biological Psychiatry</i> , 2021, 90, 317-327.	1.3	49
34	Examining Sex-Differentiated Genetic Effects Across Neuropsychiatric and Behavioral Traits. <i>Biological Psychiatry</i> , 2021, 89, 1127-1137.	1.3	48
35	Integrative genomic analyses identify susceptibility genes underlying COVID-19 hospitalization. <i>Nature Communications</i> , 2021, 12, 4569.	12.8	47
36	Identification of Two Heritable Cross-Disorder Endophenotypes for Tourette Syndrome. <i>American Journal of Psychiatry</i> , 2017, 174, 387-396.	7.2	46

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37	Sex differences in the genetic architecture of obsessive-compulsive disorder. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2019, 180, 351-364.	1.7	41
38	A Polygenic and Phenotypic Risk Prediction for Polycystic Ovary Syndrome Evaluated by Phenome-Wide Association Studies. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 1918-1936.	3.6	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. <i>Molecular Autism</i> , 2012, 3, 3.	4.9	38
40	Genome-wide analysis of copy number variants in age-related macular degeneration. <i>Human Genetics</i> , 2011, 129, 91-100.	3.8	36
41	Novel copy number variants in children with autism and additional developmental anomalies. <i>Journal of Neurodevelopmental Disorders</i> , 2009, 1, 292-301.	3.1	35
42	Genome-wide association study of musical beat synchronization demonstrates high polygenicity. <i>Nature Human Behaviour</i> , 2022, 6, 1292-1309.	12.0	33
43	Elevated Polygenic Burden for Autism Spectrum Disorder Is Associated With the Broad Autism Phenotype in Mothers of Individuals With Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2021, 89, 476-485.	1.3	32
44	Synaptic processes and immune-related pathways implicated in Tourette syndrome. <i>Translational Psychiatry</i> , 2021, 11, 56.	4.8	31
45	Use of the PsycheMERGE Network to Investigate the Association Between Depression Polygenic Scores and White Blood Cell Count. <i>JAMA Psychiatry</i> , 2021, 78, 1365.	11.0	31
46	Genetic risk for major depressive disorder and loneliness in sex-specific associations with coronary artery disease. <i>Molecular Psychiatry</i> , 2021, 26, 4254-4264.	7.9	26
47	Genome-wide association study of problematic opioid prescription use in 132,113 23andMe research participants of European ancestry. <i>Molecular Psychiatry</i> , 2021, 26, 6209-6217.	7.9	26
48	Structural Architecture of SNP Effects on Complex Traits. <i>American Journal of Human Genetics</i> , 2014, 95, 477-489.	6.2	24
49	Association of Thyroid Function Genetic Predictors With Atrial Fibrillation. <i>JAMA Cardiology</i> , 2019, 4, 136.	6.1	23
50	Genome-wide association study of pediatric obsessive-compulsive traits: shared genetic risk between traits and disorder. <i>Translational Psychiatry</i> , 2021, 11, 91.	4.8	23
51	The Evolutionary History of Common Genetic Variants Influencing Human Cortical Surface Area. <i>Cerebral Cortex</i> , 2021, 31, 1873-1887.	2.9	21
52	Consensus Genotyper for Exome Sequencing (CGES): improving the quality of exome variant genotypes. <i>Bioinformatics</i> , 2015, 31, 187-193.	4.1	18
53	Estimating heritability and genetic correlations from large health datasets in the absence of genetic data. <i>Nature Communications</i> , 2019, 10, 5508.	12.8	17
54	Characterizing the Clinical and Genetic Spectrum of Polycystic Ovary Syndrome in Electronic Health Records. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 153-167.	3.6	16

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55	Pancreatic islet beta cell-specific deletion of G6pc2 reduces fasting blood glucose. <i>Journal of Molecular Endocrinology</i> , 2020, 64, 235-248.	2.5	16
56	Proposing a Sex-Adjusted Sodium-Adjusted MELD Score for Liver Transplant Allocation. <i>JAMA Surgery</i> , 2022, 157, 618.	4.3	16
57	Genetically regulated multi-omics study for symptom clusters of posttraumatic stress disorder highlights pleiotropy with hematologic and cardio-metabolic traits. <i>Molecular Psychiatry</i> , 2022, 27, 1394-1404.	7.9	15
58	A study paradigm integrating prospective epidemiologic cohorts and electronic health records to identify disease biomarkers. <i>Nature Communications</i> , 2018, 9, 3522.	12.8	13
59	Epidemiology of Functional Seizures Among Adults Treated at a University Hospital. <i>JAMA Network Open</i> , 2020, 3, e2027920.	5.9	13
60	A dimensional perspective on the genetics of obsessive-compulsive disorder. <i>Translational Psychiatry</i> , 2021, 11, 401.	4.8	12
61	Alcohol and cigarette smoking consumption as genetic proxies for alcohol misuse and nicotine dependence. <i>Drug and Alcohol Dependence</i> , 2021, 221, 108612.	3.2	11
62	Contextualizing genetic risk score for disease screening and rare variant discovery. <i>Nature Communications</i> , 2021, 12, 4418.	12.8	11
63	Potential positive and negative consequences of ZnT8 inhibition. <i>Journal of Endocrinology</i> , 2020, 246, 189-205.	2.6	10
64	Nonsynonymous single-nucleotide polymorphisms in the G6PC2 gene affect protein expression, enzyme activity, and fasting blood glucose. <i>Journal of Biological Chemistry</i> , 2022, 298, 101534.	3.4	9
65	Common knowledge: shared genetics in psychiatry. <i>Nature Neuroscience</i> , 2019, 22, 331-332.	14.8	8
66	Genetic Thyrotropin Regulation of Atrial Fibrillation Risk Is Mediated Through an Effect on Height. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 2124-2132.	3.6	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. <i>Journal of Speech, Language, and Hearing Research</i> , 2020, 63, 3019-3035.	1.6	7
68	LGBTQ+ Perspectives on Conducting Genomic Research on Sexual Orientation and Gender Identity. <i>Behavior Genetics</i> , 2022, 52, 246-267.	2.1	6
69	Estimating Uterine Fibroid SNP-Based Heritability in European American Women with Imaging-Confirmed Fibroids. <i>Human Heredity</i> , 2019, 84, 73-81.	0.8	5
70	Fate or coincidence: do COPD and major depression share genetic risk factors?. <i>Human Molecular Genetics</i> , 2021, 30, 619-628.	2.9	5
71	Medical phenome of musicians: an investigation of health records collected on 9803 musically active individuals. <i>Annals of the New York Academy of Sciences</i> , 2021, 1505, 156-168.	3.8	5
72	Frequency of benign neutropenia among Black versus White individuals undergoing a bone marrow assessment. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 3628-3635.	3.6	5

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73	Usefulness of Single Nucleotide Polymorphisms as Predictors of Sudden Cardiac Death. American Journal of Cardiology, 2019, 123, 1900-1905.	1.6	4
74	The genetic architecture of plasma kynurenine includes cardiometabolic disease mechanisms associated with the SH2B3 gene. Scientific Reports, 2021, 11, 15652.	3.3	4
75	Bridging Molecular Genetics and Epidemiology to Better Understand Sex Differences in Attention-Deficit/Hyperactivity Disorder. Biological Psychiatry, 2018, 83, e55-e57.	1.3	3
76	Calcium-Sensing Receptor Polymorphisms at rs1801725 Are Associated with Increased Risk of Secondary Malignancies. Journal of Personalized Medicine, 2021, 11, 642.	2.5	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.	1.7	3
78	Identifying High-Risk Comorbidities Associated with Opioid Use Patterns Using Electronic Health Record Prescription Data. Complex Psychiatry, 2022, 8, 47-56.	0.9	3
79	Investigating the genetic pathways of insomnia in Autism Spectrum Disorder. Research in Developmental Disabilities, 2022, 128, 104299.	2.2	3
80	The new science of sex differences in neuropsychiatric traits. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2019, 180, 333-334.	1.7	2
81	A genome-wide association study of polygenic scores for 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.	1.7	2
82	In Search of Genomic Stability: Characterizing Copy Number Stable Regions. Human Mutation, 2011, 32, v.	2.5	1
83	Shared Genetic Control of Brain Activity During Sleep and Insulin Secretion: A Laboratory-Based Family Study. Diabetes, 2018, 67, 155-164.	0.6	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.	0.2	0
86	SAT-024 Investigating Racial and Ethnic Comorbidity Patterns of Polycystic Ovary Syndrome. Journal of the Endocrine Society, 2020, 4, .	0.2	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.	2.8	0