

Leonid Kruglyak

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6255010/publications.pdf>

Version: 2024-02-01

73
papers

18,149
citations

44069

48
h-index

88630

70
g-index

95
all docs

95
docs citations

95
times ranked

15560
citing authors

#	ARTICLE	IF	CITATIONS
1	Retrospective Detection of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) in Symptomatic Patients Prior to Widespread Diagnostic Testing in Southern California. <i>Clinical Infectious Diseases</i> , 2022, 74, 271-277.	5.8	4
2	Genomic epidemiology of the Los Angeles COVID-19 outbreak and the early history of the B.1.43 strain in the USA. <i>BMC Genomics</i> , 2022, 23, 260.	2.8	0
3	Island-specific evolution of a sex-primed autosome in a sexual planarian. <i>Nature</i> , 2022, 606, 329-334.	27.8	19
4	Ancient balancing selection maintains incompatible versions of the galactose pathway in yeast. <i>Science</i> , 2021, 371, 415-419.	12.6	27
5	Ubiquitous Selfish Toxin-Antidote Elements in <i>Caenorhabditis</i> Species. <i>Current Biology</i> , 2021, 31, 990-1001.e5.	3.9	27
6	Whole-organism eQTL mapping at cellular resolution with single-cell sequencing. <i>ELife</i> , 2021, 10, .	6.0	24
7	Genetics of white color and iridophoroma in <i>Aeoliscus</i> leopard geckos. <i>PLoS Genetics</i> , 2021, 17, e1009580.	3.5	13
8	Massively scaled-up testing for SARS-CoV-2 RNA via next-generation sequencing of pooled and barcoded nasal and saliva samples. <i>Nature Biomedical Engineering</i> , 2021, 5, 657-665.	22.5	46
9	Planarian Ovary Dissection for Ultrastructural Analysis and Antibody Staining. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	0
10	Lower SARS-CoV-2 viral shedding following COVID-19 vaccination among healthcare workers in Los Angeles, California. <i>Open Forum Infectious Diseases</i> , 2021, 8, ofab526.	0.9	5
11	Toxin-Antidote Elements Across the Tree of Life. <i>Annual Review of Genetics</i> , 2020, 54, 387-415.	7.6	30
12	Systematic identification of cis-regulatory variants that cause gene expression differences in a yeast cross. <i>ELife</i> , 2020, 9, .	6.0	18
13	Analysis of the genetic basis of height in large Jewish nuclear families. <i>PLoS Genetics</i> , 2019, 15, e1008082.	3.5	1
14	Fast genetic mapping of complex traits in <i>C. elegans</i> using millions of individuals in bulk. <i>Nature Communications</i> , 2019, 10, 2680.	12.8	40
15	Screening Human Embryos for Polygenic Traits Has Limited Utility. <i>Cell</i> , 2019, 179, 1424-1435.e8.	28.9	78
16	The Genetic Basis of Mutation Rate Variation in Yeast. <i>Genetics</i> , 2019, 211, 731-740.	2.9	39
17	Rare variants contribute disproportionately to quantitative trait variation in yeast. <i>ELife</i> , 2019, 8, .	6.0	70
18	Highly parallel genome variant engineering with CRISPR-Cas9. <i>Nature Genetics</i> , 2018, 50, 510-514.	21.4	73

#	ARTICLE	IF	CITATIONS
19	How Low Can You Go?. CRISPR Journal, 2018, 1, 312-313.	2.9	1
20	Genetics of trans-regulatory variation in gene expression. ELife, 2018, 7, .	6.0	146
21	Accounting for genetic interactions improves modeling of individual quantitative trait phenotypes in yeast. Nature Genetics, 2017, 49, 497-503.	21.4	141
22	A maternal-effect selfish genetic element in <i>Caenorhabditis elegans</i> . Science, 2017, 356, 1051-1055.	12.6	93
23	A genetic signature of the evolution of loss of flight in the Galapagos cormorant. Science, 2017, 356, .	12.6	76
24	The genetic basis of natural variation in a phoretic behavior. Nature Communications, 2017, 8, 273.	12.8	48
25	Genetic variation in adaptability and pleiotropy in budding yeast. ELife, 2017, 6, .	6.0	62
26	The Genetic Basis of Natural Variation in <i>Caenorhabditis elegans</i> Telomere Length. Genetics, 2016, 204, 371-383.	2.9	117
27	2015 Curt Stern Award 1. American Journal of Human Genetics, 2016, 98, 428-430.	6.2	0
28	CRISPR-directed mitotic recombination enables genetic mapping without crosses. Science, 2016, 352, 1113-1116.	12.6	90
29	Genetic interactions contribute less than additive effects to quantitative trait variation in yeast. Nature Communications, 2015, 6, 8712.	12.8	139
30	Remarkably Divergent Regions Punctuate the Genome Assembly of the <i>Caenorhabditis elegans</i> Hawaiian Strain CB4856. Genetics, 2015, 200, 975-989.	2.9	136
31	Genetics of Intraspecies Variation in Avoidance Behavior Induced by a Thermal Stimulus in <i>Caenorhabditis elegans</i> . Genetics, 2015, 200, 1327-1339.	2.9	9
32	Full-genome evolutionary histories of selfing, splitting, and selection in <i>Caenorhabditis</i> . Genome Research, 2015, 25, 667-678.	5.5	92
33	A Powerful New Quantitative Genetics Platform, Combining <i>Caenorhabditis elegans</i> High-Throughput Fitness Assays with a Large Collection of Recombinant Strains. G3: Genes, Genomes, Genetics, 2015, 5, 911-920.	1.8	106
34	The role of regulatory variation in complex traits and disease. Nature Reviews Genetics, 2015, 16, 197-212.	16.3	864
35	A Wild <i>C. Elegans</i> Strain Has Enhanced Epithelial Immunity to a Natural Microsporidian Parasite. PLoS Pathogens, 2015, 11, e1004583.	4.7	80
36	Genetic Mapping of MAPK-Mediated Complex Traits Across <i>S. cerevisiae</i> . PLoS Genetics, 2015, 11, e1004913.	3.5	46

#	ARTICLE	IF	CITATIONS
37	A Variant in the Neuropeptide Receptor npr-1 is a Major Determinant of <i>Caenorhabditis elegans</i> Growth and Physiology. <i>PLoS Genetics</i> , 2014, 10, e1004156.	3.5	174
38	Genetic Influences on Translation in Yeast. <i>PLoS Genetics</i> , 2014, 10, e1004692.	3.5	77
39	Genetic Basis of Haloperidol Resistance in <i>Saccharomyces cerevisiae</i> Is Complex and Dose Dependent. <i>PLoS Genetics</i> , 2014, 10, e1004894.	3.5	18
40	Genetic Basis of Metabolome Variation in Yeast. <i>PLoS Genetics</i> , 2014, 10, e1004142.	3.5	53
41	Genetic Influences on Brain Gene Expression in Rats Selected for Tameness and Aggression. <i>Genetics</i> , 2014, 198, 1277-1290.	2.9	78
42	Genetics of single-cell protein abundance variation in large yeast populations. <i>Nature</i> , 2014, 506, 494-497.	27.8	134
43	Finding the sources of missing heritability in a yeast cross. <i>Nature</i> , 2013, 494, 234-237.	27.8	427
44	Genetic Architecture of Highly Complex Chemical Resistance Traits across Four Yeast Strains. <i>PLoS Genetics</i> , 2012, 8, e1002570.	3.5	85
45	Chromosome-scale selective sweeps shape <i>Caenorhabditis elegans</i> genomic diversity. <i>Nature Genetics</i> , 2012, 44, 285-290.	21.4	366
46	Natural Variation in a Chloride Channel Subunit Confers Avermectin Resistance in <i>C. elegans</i> . <i>Science</i> , 2012, 335, 574-578.	12.6	160
47	A Novel Sperm-Delivered Toxin Causes Late-Stage Embryo Lethality and Transmission Ratio Distortion in <i>C. elegans</i> . <i>PLoS Biology</i> , 2011, 9, e1001115.	5.6	158
48	Genetic Variation Shapes Protein Networks Mainly through Non-transcriptional Mechanisms. <i>PLoS Biology</i> , 2011, 9, e1001144.	5.6	101
49	Dissection of genetically complex traits with extremely large pools of yeast segregants. <i>Nature</i> , 2010, 464, 1039-1042.	27.8	380
50	Selection at Linked Sites Shapes Heritable Phenotypic Variation in <i>C. elegans</i> . <i>Science</i> , 2010, 330, 372-376.	12.6	250
51	Polymorphisms in Multiple Genes Contribute to the Spontaneous Mitochondrial Genome Instability of <i>Saccharomyces cerevisiae</i> S288C Strains. <i>Genetics</i> , 2009, 183, 365-383.	2.9	161
52	Recombinational Landscape and Population Genomics of <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2009, 5, e1000419.	3.5	381
53	Comprehensive polymorphism survey elucidates population structure of <i>Saccharomyces cerevisiae</i> . <i>Nature</i> , 2009, 458, 342-345.	27.8	431
54	Quantitative Mapping of a Digenic Behavioral Trait Implicates Globin Variation in <i>C. elegans</i> Sensory Behaviors. <i>Neuron</i> , 2009, 61, 692-699.	8.1	219

#	ARTICLE	IF	CITATIONS
55	Molecular basis of the copulatory plug polymorphism in <i>Caenorhabditis elegans</i> . <i>Nature</i> , 2008, 454, 1019-1022.	27.8	122
56	Integrating large-scale functional genomic data to dissect the complexity of yeast regulatory networks. <i>Nature Genetics</i> , 2008, 40, 854-861.	21.4	515
57	Widespread Genetic Incompatibility in <i>C. Elegans</i> Maintained by Balancing Selection. <i>Science</i> , 2008, 319, 589-594.	12.6	276
58	Identification and Dissection of a Complex DNA Repair Sensitivity Phenotype in Baker's Yeast. <i>PLoS Genetics</i> , 2008, 4, e1000123.	3.5	66
59	Gene-Environment Interaction in Yeast Gene Expression. <i>PLoS Biology</i> , 2008, 6, e83.	5.6	346
60	Breeding Designs for Recombinant Inbred Advanced Intercross Lines. <i>Genetics</i> , 2008, 179, 1069-1078.	2.9	94
61	Genetic basis of proteome variation in yeast. <i>Nature Genetics</i> , 2007, 39, 1369-1375.	21.4	767
62	Genome-Wide Analysis of Nucleotide-Level Variation in Commonly Used <i>Saccharomyces cerevisiae</i> Strains. <i>PLoS ONE</i> , 2007, 2, e322.	2.5	100
63	Population genomic analysis of outcrossing and recombination in yeast. <i>Nature Genetics</i> , 2006, 38, 1077-1081.	21.4	217
64	Genetic interactions between polymorphisms that affect gene expression in yeast. <i>Nature</i> , 2005, 436, 701-703.	27.8	296
65	Multiple Locus Linkage Analysis of Genomewide Expression in Yeast. <i>PLoS Biology</i> , 2005, 3, e267.	5.6	163
66	Local Regulatory Variation in <i>Saccharomyces cerevisiae</i> . <i>PLoS Genetics</i> , 2005, 1, e25.	3.5	141
67	The landscape of genetic complexity across 5,700 gene expression traits in yeast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 1572-1577.	7.1	544
68	Simultaneous genotyping, gene-expression measurement, and detection of allele-specific expression with oligonucleotide arrays. <i>Genome Research</i> , 2005, 15, 284-291.	5.5	116
69	Trans-acting regulatory variation in <i>Saccharomyces cerevisiae</i> and the role of transcription factors. <i>Nature Genetics</i> , 2003, 35, 57-64.	21.4	583
70	Genetic Dissection of Transcriptional Regulation in Budding Yeast. <i>Science</i> , 2002, 296, 752-755.	12.6	1,261
71	Guilt by association. <i>Nature Genetics</i> , 2000, 26, 135-137.	21.4	569
72	The use of a genetic map of biallelic markers in linkage studies. <i>Nature Genetics</i> , 1997, 17, 21-24.	21.4	452

#	ARTICLE	IF	CITATIONS
73	Genetic dissection of complex traits: guidelines for interpreting and reporting linkage results. Nature Genetics, 1995, 11, 241-247.	21.4	5,020