

Kevin R Thornton

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

8,102
citations

109264

35
h-index

182361

51
g-index

62
all docs

62
docs citations

62
times ranked

8974
citing authors

#	ARTICLE	IF	CITATIONS
1	The <i>Drosophila melanogaster</i> Genetic Reference Panel. <i>Nature</i> , 2012, 482, 173-178.	13.7	1,756
2	The origin of new genes: glimpses from the young and old. <i>Nature Reviews Genetics</i> , 2003, 4, 865-875.	7.7	775
3	Comparative genome sequencing of <i>Drosophila pseudoobscura</i> : Chromosomal, gene, and cis-element evolution. <i>Genome Research</i> , 2005, 15, 1-18.	2.4	453
4	A New Approach for Using Genome Scans to Detect Recent Positive Selection in the Human Genome. <i>PLoS Biology</i> , 2007, 5, e171.	2.6	413
5	Genome-wide analysis of a long-term evolution experiment with <i>Drosophila</i> . <i>Nature</i> , 2010, 467, 587-590.	13.7	410
6	Retroposed New Genes Out of the X in <i>Drosophila</i> . <i>Genome Research</i> , 2002, 12, 1854-1859.	2.4	399
7	libsequence: a C++ class library for evolutionary genetic analysis. <i>Bioinformatics</i> , 2003, 19, 2325-2327.	1.8	307
8	Multilocus patterns of nucleotide variability and the demographic and selection history of <i>Drosophila melanogaster</i> populations. <i>Genome Research</i> , 2005, 15, 790-799.	2.4	247
9	Approximate Bayesian Inference Reveals Evidence for a Recent, Severe Bottleneck in a Netherlands Population of <i>Drosophila melanogaster</i> . <i>Genetics</i> , 2006, 172, 1607-1619.	1.2	239
10	Genome sequencing reveals complex speciation in the <i>Drosophila simulans</i> clade. <i>Genome Research</i> , 2012, 22, 1499-1511.	2.4	220
11	EXTENSIVE INTROGRESSION OF MITOCHONDRIAL DNA RELATIVE TO NUCLEAR GENES IN THE DROSOPHILA YAKUBA SPECIES GROUP. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 292-302.	1.1	187
12	Controlling the False-Positive Rate in Multilocus Genome Scans for Selection. <i>Genetics</i> , 2007, 175, 737-750.	1.2	163
13	A second-generation assembly of the <i>Drosophila simulans</i> genome provides new insights into patterns of lineage-specific divergence. <i>Genome Research</i> , 2013, 23, 89-98.	2.4	157
14	Efficient ancestry and mutation simulation with msprime 1.0. <i>Genetics</i> , 2022, 220, .	1.2	133
15	Efficient pedigree recording for fast population genetics simulation. <i>PLoS Computational Biology</i> , 2018, 14, e1006581.	1.5	130
16	Progress and prospects in mapping recent selection in the genome. <i>Heredity</i> , 2007, 98, 340-348.	1.2	121
17	Abundance and Distribution of Transposable Elements in Two <i>Drosophila</i> QTL Mapping Resources. <i>Molecular Biology and Evolution</i> , 2013, 30, 2311-2327.	3.5	118
18	Characterizing natural variation using next-generation sequencing technologies. <i>Trends in Genetics</i> , 2009, 25, 463-471.	2.9	116

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19	Gene Duplication and Evolution. <i>Science</i> , 2001, 293, 1551a-1551.	6.0	103
20	Retroposed New Genes Out of the X in <i>Drosophila</i> . <i>Genome Research</i> , 2002, 12, 1854-1859.	2.4	99
21	An Approximate Bayesian Estimator Suggests Strong, Recurrent Selective Sweeps in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2008, 4, e1000198.	1.5	94
22	Evidence of directional and stabilizing selection in contemporary humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 151-156.	3.3	90
23	Landscape of Standing Variation for Tandem Duplications in <i>Drosophila yakuba</i> and <i>Drosophila simulans</i> . <i>Molecular Biology and Evolution</i> , 2014, 31, 1750-1766.	3.5	89
24	The Power to Detect Quantitative Trait Loci Using Resequenced, Experimentally Evolved Populations of Diploid, Sexual Organisms. <i>Molecular Biology and Evolution</i> , 2014, 31, 1040-1055.	3.5	88
25	On the Utility of Linkage Disequilibrium as a Statistic for Identifying Targets of Positive Selection in Nonequilibrium Populations. <i>Genetics</i> , 2007, 176, 2371-2379.	1.2	84
26	Rapid Divergence of Gene Duplicates on the <i>Drosophila melanogaster</i> X Chromosome. <i>Molecular Biology and Evolution</i> , 2002, 19, 918-925.	3.5	83
27	Nucleotide Variation Along the <i>Drosophila melanogaster</i> Fourth Chromosome. <i>Science</i> , 2002, 295, 134-137.	6.0	81
28	A C++ Template Library for Efficient Forward-Time Population Genetic Simulation of Large Populations. <i>Genetics</i> , 2014, 198, 157-166.	1.2	78
29	Properties and Modeling of GWAS when Complex Disease Risk Is Due to Non-Complementing, Deleterious Mutations in Genes of Large Effect. <i>PLoS Genetics</i> , 2013, 9, e1003258.	1.5	72
30	Extensive introgression of mitochondrial DNA relative to nuclear genes in the <i>Drosophila yakuba</i> species group. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 292-302.	1.1	69
31	X chromosomes and autosomes evolve at similar rates in <i>Drosophila</i> : No evidence for faster-X protein evolution. <i>Genome Research</i> , 2006, 16, 498-504.	2.4	67
32	Tandem duplications lead to novel expression patterns through exon shuffling in <i>Drosophila yakuba</i> . <i>PLoS Genetics</i> , 2017, 13, e1006795.	1.5	53
33	Efficiently Summarizing Relationships in Large Samples: A General Duality Between Statistics of Genealogies and Genomes. <i>Genetics</i> , 2020, 215, 779-797.	1.2	51
34	Polygenic Adaptation to an Environmental Shift: Temporal Dynamics of Variation Under Gaussian Stabilizing Selection and Additive Effects on a Single Trait. <i>Genetics</i> , 2019, 213, 1513-1530.	1.2	49
35	Identification by full-coverage array CGH of human DNA copy number increases relative to chimpanzee and gorilla. <i>Genome Research</i> , 2005, 16, 173-181.	2.4	48
36	Genetic architecture and selective sweeps after polygenic adaptation to distant trait optima. <i>PLoS Genetics</i> , 2018, 14, e1007794.	1.5	48

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37	Excess of Amino Acid Substitutions Relative to Polymorphism Between X-Linked Duplications in <i>Drosophila melanogaster</i> . <i>Molecular Biology and Evolution</i> , 2004, 22, 273-284.	3.5	46
38	Validation of Rearrangement Break Points Identified by Paired-End Sequencing in Natural Populations of <i>Drosophila melanogaster</i> . <i>Genome Biology and Evolution</i> , 2010, 2, 83-101.	1.1	46
39	Gene Expression Variation in <i>Drosophila melanogaster</i> Due to Rare Transposable Element Insertion Alleles of Large Effect. <i>Genetics</i> , 2015, 199, 85-93.	1.2	45
40	Recombination and the Properties of Tajima's D in the Context of Approximate-Likelihood Calculation. <i>Genetics</i> , 2005, 171, 2143-2148.	1.2	35
41	Automating approximate Bayesian computation by local linear regression. <i>BMC Genetics</i> , 2009, 10, 35.	2.7	33
42	A Model of Compound Heterozygous, Loss-of-Function Alleles Is Broadly Consistent with Observations from Complex-Disease GWAS Datasets. <i>PLoS Genetics</i> , 2017, 13, e1006573.	1.5	31
43	The Neutral Coalescent Process for Recent Gene Duplications and Copy-Number Variants. <i>Genetics</i> , 2007, 177, 987-1000.	1.2	26
44	Nucleotide Variation and Recombination Along the Fourth Chromosome in <i>Drosophila simulans</i> . <i>Genetics</i> , 2004, 166, 1783-1794.	1.2	25
45	Tandem Duplications and the Limits of Natural Selection in <i>Drosophila yakuba</i> and <i>Drosophila simulans</i> . <i>PLoS ONE</i> , 2015, 10, e0132184.	1.1	25
46	Revised Annotations, Sex-Biased Expression, and Lineage-Specific Genes in the <i>Drosophila melanogaster</i> Group. <i>G3: Genes, Genomes, Genetics</i> , 2014, 4, 2345-2351.	0.8	17
47	Inferring Selection in Partially Sequenced Regions. <i>Molecular Biology and Evolution</i> , 2008, 25, 438-446.	3.5	13
48	Nucleotide Variation and Recombination Along the Fourth Chromosome in <i>Drosophila simulans</i> . <i>Genetics</i> , 2004, 166, 1783-1794.	1.2	13
49	Experiments with the Site Frequency Spectrum. <i>Bulletin of Mathematical Biology</i> , 2011, 73, 829-872.	0.9	11
50	Efficient Software for Multi-marker, Region-Based Analysis of GWAS Data. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 1023-1030.	0.8	6
51	EXTENSIVE INTROGRESSION OF MITOCHONDRIAL DNA RELATIVE TO NUCLEAR GENES IN THE DROSOPHILA YAKUBA SPECIES GROUP. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 292.	1.1	4