

Jody Hey

List of Publications by Year in descending order

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96
papers

11,691
citations

53794

45
h-index

40979

93
g-index

103
all docs

103
docs citations

103
times ranked

9373
citing authors

#	ARTICLE	IF	CITATIONS
1	Multilocus Methods for Estimating Population Sizes, Migration Rates and Divergence Time, With Applications to the Divergence of <i>Drosophila pseudoobscura</i> and <i>D. persimilis</i> . <i>Genetics</i> , 2004, 167, 747-760.	2.9	1,299
2	Integration within the Felsenstein equation for improved Markov chain Monte Carlo methods in population genetics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 2785-2790.	7.1	864
3	Isolation with Migration Models for More Than Two Populations. <i>Molecular Biology and Evolution</i> , 2010, 27, 905-920.	8.9	796
4	The limits of selection during maize domestication. <i>Nature</i> , 1999, 398, 236-239.	27.8	715
5	A Coalescent Estimator of the Population Recombination Rate. <i>Genetics</i> , 1997, 145, 833-846.	2.9	412
6	Estimating Ancestral Population Parameters. <i>Genetics</i> , 1997, 145, 847-855.	2.9	374
7	The Population Genetics of the Origin and Divergence of the <i>Drosophila simulans</i> Complex Species. <i>Genetics</i> , 2000, 156, 1913-1931.	2.9	356
8	Divergence with Gene Flow: Models and Data. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2010, 41, 215-230.	8.3	326
9	Divergence Population Genetics of Chimpanzees. <i>Molecular Biology and Evolution</i> , 2004, 22, 297-307.	8.9	322
10	Inferring the History of Speciation from Multilocus DNA Sequence Data: The Case of <i>Drosophila pseudoobscura</i> and Close Relatives. <i>Molecular Biology and Evolution</i> , 2002, 19, 472-488.	8.9	299
11	On the Number of New World Founders: A Population Genetic Portrait of the Peopling of the Americas. <i>PLoS Biology</i> , 2005, 3, e193.	5.6	294
12	The mind of the species problem. <i>Trends in Ecology and Evolution</i> , 2001, 16, 326-329.	8.7	273
13	Understanding and confronting species uncertainty in biology and conservation. <i>Trends in Ecology and Evolution</i> , 2003, 18, 597-603.	8.7	263
14	On the failure of modern species concepts. <i>Trends in Ecology and Evolution</i> , 2006, 21, 447-450.	8.7	254
15	Understanding the origin of species with genome-scale data: modelling gene flow. <i>Nature Reviews Genetics</i> , 2013, 14, 404-414.	16.3	246
16	The study of structured populations – new hope for a difficult and divided science. <i>Nature Reviews Genetics</i> , 2003, 4, 535-543.	16.3	228
17	X chromosome evidence for ancient human histories. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 3320-3324.	7.1	226
18	Gene Flow and Natural Selection in the Origin of <i>Drosophila pseudoobscura</i> and Close Relatives. <i>Genetics</i> , 1997, 147, 1091-1106.	2.9	224

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19	The Divergence of Chimpanzee Species and Subspecies as Revealed in Multipopulation Isolation-with-Migration Analyses. <i>Molecular Biology and Evolution</i> , 2010, 27, 921-933.	8.9	218
20	Recent advances in assessing gene flow between diverging populations and species. <i>Current Opinion in Genetics and Development</i> , 2006, 16, 592-596.	3.3	191
21	Interactions Between Natural Selection, Recombination and Gene Density in the Genes of <i>Drosophila</i> . <i>Genetics</i> , 2002, 160, 595-608.	2.9	176
22	The causes of phylogenetic conflict in a classic <i>Drosophila</i> species group. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 1193-1202.	2.6	158
23	Evolution of Population Structure in a Highly Social Top Predator, the Killer Whale. <i>Molecular Biology and Evolution</i> , 2007, 24, 1407-1415.	8.9	145
24	In defence of model-based inference in phylogeography. <i>Molecular Ecology</i> , 2010, 19, 436-446.	3.9	141
25	Mitochondrial and nuclear genes present conflicting portraits of human origins. <i>Molecular Biology and Evolution</i> , 1997, 14, 166-172.	8.9	140
26	On the origin of Lake Malawi cichlid species: A population genetic analysis of divergence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 6581-6586.	7.1	116
27	Estimating Divergence Parameters With Small Samples From a Large Number of Loci. <i>Genetics</i> , 2010, 184, 363-379.	2.9	108
28	Recombination and the Divergence of Hybridizing Species. <i>Genetica</i> , 2002, 116, 167-178.	1.1	102
29	POPULATION GENETICS AND OBJECTIVITY IN SPECIES DIAGNOSIS. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 1413-1429.	2.3	100
30	Using nuclear haplotypes with microsatellites to study gene flow between recently separated Cichlid species. <i>Molecular Ecology</i> , 2004, 13, 909-919.	3.9	99
31	Sampling from Natural Populations with RNAi Reveals High Outcrossing and Population Structure in <i>Caenorhabditis elegans</i> . <i>Current Biology</i> , 2005, 15, 1598-1602.	3.9	98
32	The neutralist, the fly and the selectionist. <i>Trends in Ecology and Evolution</i> , 1999, 14, 35-38.	8.7	89
33	Phylogeny Estimation by Integration over Isolation with Migration Models. <i>Molecular Biology and Evolution</i> , 2018, 35, 2805-2818.	8.9	89
34	USING HITCHHIKING GENES TO STUDY ADAPTATION AND DIVERGENCE DURING SPECIATION WITHIN THE <i>DROSOPHILA MELANOGASTER</i> SPECIES COMPLEX. <i>Evolution; International Journal of Organic Evolution</i> , 1994, 48, 1900-1913.	2.3	87
35	Population Genetics of <i>Caenorhabditis elegans</i> : The Paradox of Low Polymorphism in a Widespread Species. <i>Genetics</i> , 2003, 163, 147-157.	2.9	87
36	Origins of Shared Genetic Variation in African Cichlids. <i>Molecular Biology and Evolution</i> , 2013, 30, 906-917.	8.9	86

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37	A multi-dimensional coalescent process applied to multi-allelic selection models and migration models. <i>Theoretical Population Biology</i> , 1991, 39, 30-48.	1.1	82
38	The Speciation history of <i>Drosophila pseudoobscura</i> and Close Relatives: Inferences from DNA Sequence Variation at the Period Locus. <i>Genetics</i> , 1996, 144, 1113-1126.	2.9	80
39	The fitness consequences of <i>P</i> element insertion in <i>Drosophila melanogaster</i> . <i>Genetical Research</i> , 1988, 52, 17-26.	0.9	70
40	Using Phylogenetic Trees to Study Speciation and Extinction. <i>Evolution; International Journal of Organic Evolution</i> , 1992, 46, 627.	2.3	69
41	Demographic Inference Using Spectral Methods on SNP Data, with an Analysis of the Human Out-of-Africa Expansion. <i>Genetics</i> , 2012, 192, 619-639.	2.9	69
42	IM-a2p parallel MCMC and inference of ancient demography under the isolation with migration (IM) model. <i>Molecular Ecology Resources</i> , 2016, 16, 206-215.	4.8	63
43	DNA Sequence Variation at the <i>Period</i> Locus Reveals the History of Species and Speciation Events in the <i>Drosophila virilis</i> Group. <i>Genetics</i> , 1996, 144, 1015-1025.	2.9	59
44	Identifying Loci Under Selection Against Gene Flow in Isolation-with-Migration Models. <i>Genetics</i> , 2013, 194, 211-233.	2.9	58
45	Population bottlenecks and patterns of human polymorphism. <i>Molecular Biology and Evolution</i> , 1999, 16, 1423-1426.	8.9	52
46	Using Hitchhiking Genes to Study Adaptation and Divergence During Speciation Within the <i>Drosophila melanogaster</i> Species Complex. <i>Evolution; International Journal of Organic Evolution</i> , 1994, 48, 1900.	2.3	50
47	A multilocus view of speciation in the <i>Drosophila virilis</i> species group reveals complex histories and taxonomic conflicts. <i>Genetical Research</i> , 1997, 70, 185-194.	0.9	50
48	What's So Hot about Recombination Hotspots?. <i>PLoS Biology</i> , 2004, 2, e190.	5.6	49
49	On the nonidentifiability of migration time estimates in isolation with migration models. <i>Molecular Ecology</i> , 2011, 20, 3956-3962.	3.9	47
50	A hidden Markov model for investigating recent positive selection through haplotype structure. <i>Theoretical Population Biology</i> , 2015, 99, 18-30.	1.1	41
51	Speciation and inversions: Chimps and humans. <i>BioEssays</i> , 2003, 25, 825-828.	2.5	39
52	Hill-Robertson interference in <i>Drosophila melanogaster</i> : reply to Marais, Mouchiroud and Duret. <i>Genetical Research</i> , 2003, 81, 89-90.	0.9	39
53	Non-equilibrium allele frequency spectra via spectral methods. <i>Theoretical Population Biology</i> , 2011, 79, 203-219.	1.1	38
54	Variance divergence and gene flow among islet populations of an endemic lizard. <i>Molecular Ecology</i> , 2012, 21, 117-129.	3.9	38

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55	On the occurrence of false positives in tests of migration under an isolation-with-migration model. <i>Molecular Ecology</i> , 2015, 24, 5078-5083.	3.9	38
56	Testing speciation models with DNA sequence data. , 1998, , 157-175.		35
57	On the arbitrary identification of real species. , 2001, , 15-28.		33
58	Human populations show reduced DNA sequence variation at the Factor IX locus. <i>Current Biology</i> , 2001, 11, 774-778.	3.9	33
59	Apparent Variation in Neanderthal Admixture among African Populations is Consistent with Gene Flow from Non-African Populations. <i>Genome Biology and Evolution</i> , 2013, 5, 2075-2081.	2.5	31
60	Parasite populations: The puzzle of <i>Plasmodium</i> . <i>Current Biology</i> , 1999, 9, R565-R567.	3.9	30
61	Human mitochondrial DNA recombination: can it be true?. <i>Trends in Ecology and Evolution</i> , 2000, 15, 181-182.	8.7	30
62	Nuclear Gene Variation and Molecular Dating of the Cichlid Species Flock of Lake Malawi. <i>Molecular Biology and Evolution</i> , 2006, 23, 828-837.	8.9	30
63	HOMOZYGOUS AND HEMIZYGOUS VIABILITY VARIATION ON THE <i>X</i> CHROMOSOME OF <i>DROSOPHILA MELANOGASTER</i> . <i>Genetics</i> , 1985, 111, 831-844.	2.9	29
64	IN VIVO FUNCTION OF RARE G6pd VARIANTS FROM NATURAL POPULATIONS OF <i>DROSOPHILA MELANOGASTER</i> . <i>Genetics</i> , 1986, 113, 679-693.	2.9	26
65	Selfish Genes, Pleiotropy and the Origin of Recombination. <i>Genetics</i> , 1998, 149, 2089-2097.	2.9	25
66	Sex-ratio changes in <i>Leptopilina heterotoma</i> in response to inbreeding. <i>Journal of Heredity</i> , 1985, 76, 209-211.	2.4	23
67	GENE FLOW BETWEEN <i>DROSOPHILA PSEUDOOBSCURA</i> AND <i>D. PERSIMILIS</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2000, 54, 2174-2175.	2.3	23
68	Weak selection on synonymous codons substantially inflates <i>dN/dS</i> estimates in bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	23
69	Exact Calculation of the Joint Allele Frequency Spectrum for Isolation with Migration Models. <i>Genetics</i> , 2017, 207, 241-253.	2.9	22
70	Further resolution of the house mouse (<i>Mus musculus</i>) phylogeny by integration over isolation-with-migration histories. <i>BMC Evolutionary Biology</i> , 2020, 20, 120.	3.2	21
71	Joint Inference of Population Assignment and Demographic History. <i>Genetics</i> , 2011, 189, 561-577.	2.9	20
72	An estimator of first coalescent time reveals selection on young variants and large heterogeneity in rare allele ages among human populations. <i>PLoS Genetics</i> , 2019, 15, e1008340.	3.5	18

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73	TARGETED SELECTION EXPERIMENTS AND ENZYME POLYMORPHISM: NEGATIVE EVIDENCE FOR OCTANOATE SELECTION AT THE <i>G6PD</i> LOCUS IN <i>DROSOPHILA MELANOGASTER</i> . <i>Genetics</i> , 1985, 109, 379-391.	2.9	18
74	Human Demography in the Pleistocene: Do Mitochondrial and Nuclear Genes Tell the Same Story?. <i>Evolutionary Anthropology</i> , 1999, 8, 81-86.	3.4	17
75	Divergent Haplotypes and Human History as Revealed in a Worldwide Survey of X-Linked DNA Sequence Variation. <i>Molecular Biology and Evolution</i> , 2006, 24, 687-698.	8.9	17
76	Bayesian Analysis of Evolutionary Divergence with Genomic Data under Diverse Demographic Models. <i>Molecular Biology and Evolution</i> , 2017, 34, 1517-1528.	8.9	14
77	Identification of Cichlid Fishes from Lake Malawi Using Computer Vision. <i>PLoS ONE</i> , 2013, 8, e77686.	2.5	14
78	Enrichment of mRNA-like Noncoding RNAs in the Divergence of <i>Drosophila</i> Males. <i>Molecular Biology and Evolution</i> , 2011, 28, 1339-1348.	8.9	11
79	Inferring Very Recent Population Growth Rate from Population-Scale Sequencing Data: Using a Large-Sample Coalescent Estimator. <i>Molecular Biology and Evolution</i> , 2015, 32, 2996-3011.	8.9	11
80	The Pop-Gen Pipeline Platform: A Software Platform for Population Genomic Analyses. <i>Molecular Biology and Evolution</i> , 2021, 38, 3478-3485.	8.9	10
81	Population genetics and human origins—haplotypes are key!. <i>Trends in Genetics</i> , 1998, 14, 303-304.	6.7	9
82	Regarding the Confusion between the Population Concept and Mayr's "Population Thinking". <i>Quarterly Review of Biology</i> , 2011, 86, 253-264.	0.1	9
83	Divergence time estimation using ddRAD data and an isolation-with-migration model applied to water vole populations of <i>Arvicola</i> . <i>Scientific Reports</i> , 2022, 12, 4065.	3.3	9
84	Habitat choice in the <i>Drosophila affinis</i> subgroup. <i>Heredity</i> , 1987, 58, 463-471.	2.6	8
85	Systematics and the origin of species: An introduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 6515-6519.	7.1	8
86	The effect of undetected recombination on genealogy sampling and inference under an isolation-with-migration model. <i>Molecular Ecology Resources</i> , 2019, 19, 1593-1609.	4.8	8
87	Emerging Frontiers in the Study of Molecular Evolution. <i>Journal of Molecular Evolution</i> , 2020, 88, 211-226.	1.8	8
88	A population genetic assessment of taxonomic species: The case of Lake Malawi cichlid fishes. <i>Molecular Ecology Resources</i> , 2019, 19, 1164-1180.	4.8	7
89	Recombination and the divergence of hybridizing species. <i>Contemporary Issues in Genetics and Evolution</i> , 2002, , 167-178.	0.9	7
90	IMGui—A Desktop GUI Application for Isolation with Migration Analyses. <i>Molecular Biology and Evolution</i> , 2017, 34, 500-504.	8.9	2

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91	Migration mumbles. Trends in Ecology and Evolution, 2000, 15, 258.	8.7	1
92	A model in two acts: a commentary on "A model detectable alleles in a finite population" by Timoko Ohta and Motoo Kimura. Genetical Research, 2007, 89, 365-366.	0.9	1
93	Anticipating Scientific Revolutions in Evolutionary Genetics. , 2000, , 97-111.		1
94	The ancestor's tale A pilgrimage to the dawn of evolution. Journal of Clinical Investigation, 2005, 115, 1680-1680.	8.2	1
95	Origins of modern humans still look recent. Current Biology, 2000, 10, R8-R9.	3.9	0
96	Reply from J. Hey. Trends in Ecology and Evolution, 2000, 15, 471.	8.7	0