

Bret A Payseur

List of Publications by Year in descending order

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74
papers

6,708
citations

117625

34
h-index

76900

74
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79
all docs

79
docs citations

79
times ranked

9007
citing authors

#	ARTICLE	IF	CITATIONS
1	Mouse genomic variation and its effect on phenotypes and gene regulation. <i>Nature</i> , 2011, 477, 289-294.	27.8	1,461
2	A genomic perspective on hybridization and speciation. <i>Molecular Ecology</i> , 2016, 25, 2337-2360.	3.9	458
3	Comparative Recombination Rates in the Rat, Mouse, and Human Genomes. <i>Genome Research</i> , 2004, 14, 528-538.	5.5	452
4	Genomic signatures of selection at linked sites: unifying the disparity among species. <i>Nature Reviews Genetics</i> , 2013, 14, 262-274.	16.3	435
5	Recombination rate variation and speciation: theoretical predictions and empirical results from rabbits and mice. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 409-421.	4.0	339
6	Genome-wide patterns of gene flow across a house mouse hybrid zone. <i>Genome Research</i> , 2008, 18, 67-76.	5.5	235
7	DIFFERENTIAL PATTERNS OF INTROGRESSION ACROSS THE X CHROMOSOME IN A HYBRID ZONE BETWEEN TWO SPECIES OF HOUSE MICE. <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 2064-2078.	2.3	221
8	Using differential introgression in hybrid zones to identify genomic regions involved in speciation. <i>Molecular Ecology Resources</i> , 2010, 10, 806-820.	4.8	178
9	Fifteen years of genomewide scans for selection: trends, lessons and unaddressed genetic sources of complication. <i>Molecular Ecology</i> , 2016, 25, 5-23.	3.9	154
10	EVOLUTION OF THE GENOMIC RATE OF RECOMBINATION IN MAMMALS. <i>Evolution; International Journal of Organic Evolution</i> , 2008, 62, 276-294.	2.3	146
11	Genome Scans of DNA Variability in Humans Reveal Evidence for Selective Sweeps Outside of Africa. <i>Molecular Biology and Evolution</i> , 2004, 21, 1800-1811.	8.9	138
12	Selection at Linked Sites in the Partial Selfer <i>Caenorhabditis elegans</i> . <i>Molecular Biology and Evolution</i> , 2003, 20, 665-673.	8.9	125
13	The importance of the Neutral Theory in 1968 and 50 years on: A response to Kern and Hahn 2018. <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 111-114.	2.3	123
14	Microsatellite Variation and Recombination Rate in the Human Genome. <i>Genetics</i> , 2000, 156, 1285-1298.	2.9	116
15	Fine-Scale Phylogenetic Discordance across the House Mouse Genome. <i>PLoS Genetics</i> , 2009, 5, e1000729.	3.5	104
16	A Genomic Portrait of Human Microsatellite Variation. <i>Molecular Biology and Evolution</i> , 2011, 28, 303-312.	8.9	97
17	A Comprehensive Linkage Map of the Dog Genome. <i>Genetics</i> , 2010, 184, 595-605.	2.9	92
18	Searching for Evidence of Positive Selection in the Human Genome Using Patterns of Microsatellite Variability. <i>Molecular Biology and Evolution</i> , 2002, 19, 1143-1153.	8.9	89

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19	Genomic Networks of Hybrid Sterility. <i>PLoS Genetics</i> , 2014, 10, e1004162.	3.5	84
20	Genetic Dissection of a Key Reproductive Barrier Between Nascent Species of House Mice. <i>Genetics</i> , 2011, 189, 289-304.	2.9	79
21	Genetic Analysis of Genome-Scale Recombination Rate Evolution in House Mice. <i>PLoS Genetics</i> , 2011, 7, e1002116.	3.5	74
22	Crossover Interference: Shedding Light on the Evolution of Recombination. <i>Annual Review of Genetics</i> , 2019, 53, 19-44.	7.6	74
23	Extensive recombination rate variation in the house mouse species complex inferred from genetic linkage maps. <i>Genome Research</i> , 2011, 21, 114-125.	5.5	73
24	The Power of Natural Variation for Model Organism Biology. <i>Trends in Genetics</i> , 2016, 32, 147-154.	6.7	70
25	Genetics and Evolution of Hybrid Male Sterility in House Mice. <i>Genetics</i> , 2012, 191, 917-934.	2.9	65
26	Prospects for Association Mapping in Classical Inbred Mouse Strains. <i>Genetics</i> , 2007, 175, 1999-2008.	2.9	62
27	Variation in Genomic Recombination Rates Among Heterogeneous Stock Mice. <i>Genetics</i> , 2009, 182, 1345-1349.	2.9	61
28	Connecting theory and data to understand recombination rate evolution. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160469.	4.0	60
29	Evolution of the Genomic Recombination Rate in Murid Rodents. <i>Genetics</i> , 2011, 187, 643-657.	2.9	56
30	Microsatellites as Targets of Natural Selection. <i>Molecular Biology and Evolution</i> , 2013, 30, 285-298.	8.9	56
31	DIFFERENTIAL PATTERNS OF INTROGRESSION ACROSS THE X CHROMOSOME IN A HYBRID ZONE BETWEEN TWO SPECIES OF HOUSE MICE. <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 2064.	2.3	54
32	Effects of Demographic History on the Detection of Recombination Hotspots from Linkage Disequilibrium. <i>Molecular Biology and Evolution</i> , 2018, 35, 335-353.	8.9	54
33	The genomics of speciation: investigating the molecular correlates of X chromosome introgression across the hybrid zone between <i>Mus domesticus</i> and <i>Mus musculus</i> . <i>Biological Journal of the Linnean Society</i> , 2005, 84, 523-534.	1.6	52
34	Demographic history of a recent invasion of house mice on the isolated island of Gough. <i>Molecular Ecology</i> , 2014, 23, 1923-1939.	3.9	50
35	The Pace of Hybrid Incompatibility Evolution in House Mice. <i>Genetics</i> , 2015, 201, 229-242.	2.9	47
36	Integrating patterns of polymorphism at SNPs and STRs. <i>Trends in Genetics</i> , 2006, 22, 424-429.	6.7	45

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37	Genetics of Rapid and Extreme Size Evolution in Island Mice. <i>Genetics</i> , 2015, 201, 213-228.	2.9	44
38	Introduction: Sex chromosomes and speciation. <i>Molecular Ecology</i> , 2018, 27, 3745-3748.	3.9	44
39	Linkage Disequilibrium between STRPs and SNPs across the Human Genome. <i>American Journal of Human Genetics</i> , 2008, 82, 1039-1050.	6.2	41
40	Signatures of Reproductive Isolation in Patterns of Single Nucleotide Diversity Across Inbred Strains of Mice. <i>Genetics</i> , 2005, 171, 1905-1916.	2.9	39
41	A pronounced evolutionary shift of the pseudoautosomal region boundary in house mice. <i>Mammalian Genome</i> , 2012, 23, 454-466.	2.2	37
42	Natural selection at linked sites in humans. <i>Gene</i> , 2002, 300, 31-42.	2.2	32
43	Reproductive isolation grows on trees. <i>Trends in Ecology and Evolution</i> , 2009, 24, 591-598.	8.7	28
44	A Genomewide Comparison of Population Structure at STRPs and Nearby SNPs in Humans. <i>Molecular Biology and Evolution</i> , 2009, 26, 1369-1377.	8.9	25
45	Signatures of hybridization and speciation in genomic patterns of ancestry*. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 1540-1552.	2.3	24
46	Genome-wide association studies using single-nucleotide polymorphisms versus haplotypes: an empirical comparison with data from the North American Rheumatoid Arthritis Consortium. <i>BMC Proceedings</i> , 2009, 3, S35.	1.6	23
47	Genetic Dissection of Hybrid Male Sterility Across Stages of Spermatogenesis. <i>Genetics</i> , 2018, 210, 1453-1465.	2.9	23
48	Genetics of Skeletal Evolution in Unusually Large Mice from Gough Island. <i>Genetics</i> , 2016, 204, 1559-1572.	2.9	22
49	Molecular evolution of the meiotic recombination pathway in mammals. <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 2368-2389.	2.3	22
50	Disrupted Gene Networks in Subfertile Hybrid House Mice. <i>Molecular Biology and Evolution</i> , 2020, 37, 1547-1562.	8.9	22
51	THE EVOLUTION OF HYBRID INCOMPATIBILITIES ALONG A PHYLOGENY. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, n/a-n/a.	2.3	21
52	Searching the Genomes of Inbred Mouse Strains for Incompatibilities That Reproductively Isolate Their Wild Relatives. <i>Journal of Heredity</i> , 2007, 98, 115-122.	2.4	18
53	A first genetic portrait of synaptonemal complex variation. <i>PLoS Genetics</i> , 2019, 15, e1008337.	3.5	18
54	Recombination rate variation in mice from an isolated island. <i>Molecular Ecology</i> , 2017, 26, 457-470.	3.9	17

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55	Genetic Links between Recombination and Speciation. <i>PLoS Genetics</i> , 2016, 12, e1006066.	3.5	14
56	Genetics of Genome-Wide Recombination Rate Evolution in Mice from an Isolated Island. <i>Genetics</i> , 2017, 206, 1841-1852.	2.9	13
57	Of "mice" and mammals: utilizing classical inbred mice to study the genetic architecture of function and performance in mammals. <i>Integrative and Comparative Biology</i> , 2008, 48, 324-337.	2.0	11
58	Sex-specific variation in the genome-wide recombination rate. <i>Genetics</i> , 2021, 217, 1-11.	2.9	11
59	Weak Correlation between Nucleotide Variation and Recombination Rate across the House Mouse Genome. <i>Genome Biology and Evolution</i> , 2020, 12, 293-299.	2.5	10
60	Mapping Quantitative Trait Loci onto a Phylogenetic Tree. <i>Genetics</i> , 2012, 192, 267-279.	2.9	8
61	Conservation of the genome-wide recombination rate in white-footed mice. <i>Heredity</i> , 2019, 123, 442-457.	2.6	8
62	Evolution of boldness and exploratory behavior in giant mice from Gough Island. <i>Behavioral Ecology and Sociobiology</i> , 2021, 75, 1.	1.4	8
63	REMARKABLE SELECTIVE CONSTRAINTS ON EXONIC DINUCLEOTIDE REPEATS. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 2737-2744.	2.3	7
64	Masticatory Apparatus Performance and Functional Morphology in the Extremely Large Mice from Gough Island. <i>Anatomical Record</i> , 2020, 303, 167-179.	1.4	7
65	Y not introgress? Insights into the genetics of speciation in European rabbits. <i>Molecular Ecology</i> , 2009, 18, 23-24.	3.9	5
66	Finding Hybrid Incompatibilities Using Genome Sequences from Hybrid Populations. <i>Molecular Biology and Evolution</i> , 2021, 38, 4616-4627.	8.9	5
67	Background selection under evolving recombination rates. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, .	2.6	5
68	Genomic Targets of Positive Selection in Giant Mice from Gough Island. <i>Molecular Biology and Evolution</i> , 2021, 38, 911-926.	8.9	4
69	Contrasting multi-site genotypic distributions among discordant quantitative phenotypes: theAPOA1/C3/A4/A5 gene cluster and cardiovascular disease risk factors. <i>Genetic Epidemiology</i> , 2006, 30, 508-518.	1.3	3
70	Disproportionate Roles for the X Chromosome and Proteins in Adaptive Evolution. <i>Genetics</i> , 2014, 196, 931-935.	2.9	3
71	A complex genetic architecture underlies mandibular evolution in big mice from Gough Island. <i>Genetics</i> , 2022, 220, .	2.9	2
72	Giant Island Mice Exhibit Widespread Gene Expression Changes in Key Metabolic Organs. <i>Genome Biology and Evolution</i> , 2020, 12, 1277-1301.	2.5	1

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73	Demographic history shapes genomic ancestry in hybrid zones. Ecology and Evolution, 2021, 11, 10290-10302.	1.9	1
74	Higher Intercellular Variation in Genome-Wide Recombination Rate in Female Mice. Cytogenetic and Genome Research, 2021, 161, 463-469.	1.1	1