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 g-index
79 all docs	79 docs citations	79 times ranked	9007 citing authors

#	Article	IF	Citations
1	A complex genetic architecture underlies mandibular evolution in big mice from Gough Island. Genetics, 2022, 220, .	2.9	2
2	Background selection under evolving recombination rates. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, .	2.6	5
3	Genomic Targets of Positive Selection in Giant Mice from Gough Island. Molecular Biology and Evolution, 2021, 38, 911-926.	8.9	4
4	Evolution of boldness and exploratory behavior in giant mice from Gough Island. Behavioral Ecology and Sociobiology, 2021, 75, 1.	1.4	8
5	Finding Hybrid Incompatibilities Using Genome Sequences from Hybrid Populations. Molecular Biology and Evolution, 2021, 38, 4616-4627.	8.9	5
6	Demographic history shapes genomic ancestry in hybrid zones. Ecology and Evolution, 2021, 11, 10290-10302.	1.9	1
7	Higher Intercellular Variation in Genome-Wide Recombination Rate in Female Mice. Cytogenetic and Genome Research, 2021, 161, 463-469.	1.1	1
8	Sex-specific variation in the genome-wide recombination rate. Genetics, 2021, 217, 1-11.	2.9	11
9	Masticatory Apparatus Performance and Functional Morphology in the Extremely Large Mice from Gough Island. Anatomical Record, 2020, 303, 167-179.	1.4	7
10	Giant Island Mice Exhibit Widespread Gene Expression Changes in Key Metabolic Organs. Genome Biology and Evolution, 2020, 12, 1277-1301.	2.5	1
11	Weak Correlation between Nucleotide Variation and Recombination Rate across the House Mouse Genome. Genome Biology and Evolution, 2020, 12, 293-299.	2.5	10
12	Disrupted Gene Networks in Subfertile Hybrid House Mice. Molecular Biology and Evolution, 2020, 37, 1547-1562.	8.9	22
13	Conservation of the genome-wide recombination rate in white-footed mice. Heredity, 2019, 123, 442-457.	2.6	8
14	Crossover Interference: Shedding Light on the Evolution of Recombination. Annual Review of Genetics, 2019, 53, 19-44.	7.6	74
15	Molecular evolution of the meiotic recombination pathway in mammals. Evolution; International Journal of Organic Evolution, 2019, 73, 2368-2389.	2.3	22
16	A first genetic portrait of synaptonemal complex variation. PLoS Genetics, 2019, 15, e1008337.	3.5	18
17	The importance of the Neutral Theory in 1968 and 50 years on: A response to Kern and Hahn 2018. Evolution; International Journal of Organic Evolution, 2019, 73, 111-114.	2.3	123
18	Effects of Demographic History on the Detection of Recombination Hotspots from Linkage Disequilibrium. Molecular Biology and Evolution, 2018, 35, 335-353.	8.9	54

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19	Genetic Dissection of Hybrid Male Sterility Across Stages of Spermatogenesis. Genetics, 2018, 210, 1453-1465.	2.9	23
20	Signatures of hybridization and speciation in genomic patterns of ancestry*. Evolution; International Journal of Organic Evolution, 2018, 72, 1540-1552.	2.3	24
21	Introduction: Sex chromosomes and speciation. Molecular Ecology, 2018, 27, 3745-3748.	3.9	44
22	Genetics of Genome-Wide Recombination Rate Evolution in Mice from an Isolated Island. Genetics, 2017, 206, 1841-1852.	2.9	13
23	Connecting theory and data to understand recombination rate evolution. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160469.	4.0	60
24	Recombination rate variation in mice from an isolated island. Molecular Ecology, 2017, 26, 457-470.	3.9	17
25	A genomic perspective on hybridization and speciation. Molecular Ecology, 2016, 25, 2337-2360.	3.9	458
26	Genetics of Skeletal Evolution in Unusually Large Mice from Gough Island. Genetics, 2016, 204, 1559-1572.	2.9	22
27	Fifteen years of genomewide scans for selection: trends, lessons and unaddressed genetic sources of complication. Molecular Ecology, 2016, 25, 5-23.	3.9	154
28	The Power of Natural Variation for Model Organism Biology. Trends in Genetics, 2016, 32, 147-154.	6.7	70
29	Genetic Links between Recombination and Speciation. PLoS Genetics, 2016, 12, e1006066.	3.5	14
30	Genetics of Rapid and Extreme Size Evolution in Island Mice. Genetics, 2015, 201, 213-228.	2.9	44
31	The Pace of Hybrid Incompatibility Evolution in House Mice. Genetics, 2015, 201, 229-242.	2.9	47
32	Genomic Networks of Hybrid Sterility. PLoS Genetics, 2014, 10, e1004162.	3.5	84
33	REMARKABLE SELECTIVE CONSTRAINTS ON EXONIC DINUCLEOTIDE REPEATS. Evolution; International Journal of Organic Evolution, 2014, 68, 2737-2744.	2.3	7
34	Demographic history of a recent invasion of house mice on the isolated <scp>I</scp>sland of <scp>G</scp>ough. Molecular Ecology, 2014, 23, 1923-1939.	3.9	50
35	Disproportionate Roles for the X Chromosome and Proteins in Adaptive Evolution. Genetics, 2014, 196, 931-935.	2.9	3
36	Microsatellites as Targets of Natural Selection. Molecular Biology and Evolution, 2013, 30, 285-298.	8.9	56

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37	Genomic signatures of selection at linked sites: unifying the disparity among species. Nature Reviews Genetics, 2013, 14, 262-274.	16.3	435
38	THE EVOLUTION OF HYBRID INCOMPATIBILITIES ALONG A PHYLOGENY. Evolution; International Journal of Organic Evolution, 2013, 67, n/a-n/a.	2.3	21
39	Recombination rate variation and speciation: theoretical predictions and empirical results from rabbits and mice. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 409-421.	4.0	339
40	Mapping Quantitative Trait Loci onto a Phylogenetic Tree. Genetics, 2012, 192, 267-279.	2.9	8
41	Genetics and Evolution of Hybrid Male Sterility in House Mice. Genetics, 2012, 191, 917-934.	2.9	65
42	A pronounced evolutionary shift of the pseudoautosomal region boundary in house mice. Mammalian Genome, 2012, 23, 454-466.	2.2	37
43	A Genomic Portrait of Human Microsatellite Variation. Molecular Biology and Evolution, 2011, 28, 303-312.	8.9	97
44	Mouse genomic variation and its effect on phenotypes and gene regulation. Nature, 2011, 477, 289-294.	27.8	1,461
45	Extensive recombination rate variation in the house mouse species complex inferred from genetic linkage maps. Genome Research, 2011, 21, 114-125.	5.5	73
46	Evolution of the Genomic Recombination Rate in Murid Rodents. Genetics, 2011, 187, 643-657.	2.9	56
47	Genetic Dissection of a Key Reproductive Barrier Between Nascent Species of House Mice. Genetics, 2011, 189, 289-304.	2.9	79
48	Genetic Analysis of Genome-Scale Recombination Rate Evolution in House Mice. PLoS Genetics, 2011, 7, e1002116.	3.5	74
49	A Comprehensive Linkage Map of the Dog Genome. Genetics, 2010, 184, 595-605.	2.9	92
50	Using differential introgression in hybrid zones to identify genomic regions involved in speciation. Molecular Ecology Resources, 2010, 10, 806-820.	4.8	178
51	Y not introgress? Insights into the genetics of speciation in European rabbits. Molecular Ecology, 2009, 18, 23-24.	3.9	5
52	Fine-Scale Phylogenetic Discordance across the House Mouse Genome. PLoS Genetics, 2009, 5, e1000729.	3.5	104
53	Variation in Genomic Recombination Rates Among Heterogeneous Stock Mice. Genetics, 2009, 182, 1345-1349.	2.9	61
54	A Genomewide Comparison of Population Structure at STRPs and Nearby SNPs in Humans. Molecular Biology and Evolution, 2009, 26, 1369-1377.	8.9	25

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55	Genome-wide association studies using single-nucleotide polymorphisms versus haplotypes: an empirical comparison with data from the North American Rheumatoid Arthritis Consortium. BMC Proceedings, 2009, 3, S35.	1.6	23
56	Reproductive isolation grows on trees. Trends in Ecology and Evolution, 2009, 24, 591-598.	8.7	28
57	Genome-wide patterns of gene flow across a house mouse hybrid zone. Genome Research, 2008, 18, 67-76.	5.5	235
58	EVOLUTION OF THE GENOMIC RATE OF RECOMBINATION IN MAMMALS. Evolution; International Journal of Organic Evolution, 2008, 62, 276-294.	2.3	146
59	Linkage Disequilibrium between STRPs and SNPs across the Human Genome. American Journal of Human Genetics, 2008, 82, 1039-1050.	6.2	41
60	Of "mice" and mammals: utilizing classical inbred mice to study the genetic architecture of function and performance in mammals. Integrative and Comparative Biology, 2008, 48, 324-337.	2.0	11
61	Searching the Genomes of Inbred Mouse Strains for Incompatibilities That Reproductively Isolate Their Wild Relatives. Journal of Heredity, 2007, 98, 115-122.	2.4	18
62	Prospects for Association Mapping in Classical Inbred Mouse Strains. Genetics, 2007, 175, 1999-2008.	2.9	62
63	Integrating patterns of polymorphism at SNPs and STRs. Trends in Genetics, 2006, 22, 424-429.	6.7	45
64	Contrasting multi-site genotypic distributions among discordant quantitative phenotypes: theAPOA1/C3/A4/A5 gene cluster and cardiovascular disease risk factors. Genetic Epidemiology, 2006, 30, 508-518.	1.3	3
65	The genomics of speciation: investigating the molecular correlates of X chromosome introgression across the hybrid zone between Mus domesticus and Mus musculus. Biological Journal of the Linnean Society, 2005, 84, 523-534.	1.6	52
66	Signatures of Reproductive Isolation in Patterns of Single Nucleotide Diversity Across Inbred Strains of Mice. Genetics, 2005, 171, 1905-1916.	2.9	39
67	Comparative Recombination Rates in the Rat, Mouse, and Human Genomes. Genome Research, 2004, 14, 528-538.	5.5	452
68	DIFFERENTIAL PATTERNS OF INTROGRESSION ACROSS THE X CHROMOSOME IN A HYBRID ZONE BETWEEN TWO SPECIES OF HOUSE MICE. Evolution; International Journal of Organic Evolution, 2004, 58, 2064.	2.3	54
69	Genome Scans of DNA Variability in Humans Reveal Evidence for Selective Sweeps Outside of Africa. Molecular Biology and Evolution, 2004, 21, 1800-1811.	8.9	138
70	DIFFERENTIAL PATTERNS OF INTROGRESSION ACROSS THE X CHROMOSOME IN A HYBRID ZONE BETWEEN TWO SPECIES OF HOUSE MICE. Evolution; International Journal of Organic Evolution, 2004, 58, 2064-2078.	2.3	221
71	Selection at Linked Sites in the Partial Selfer Caenorhabditis elegans. Molecular Biology and Evolution, 2003, 20, 665-673.	8.9	125
72	Searching for Evidence of Positive Selection in the Human Genome Using Patterns of Microsatellite Variability. Molecular Biology and Evolution, 2002, 19, 1143-1153.	8.9	89

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73	Natural selection at linked sites in humans. Gene, 2002, 300, 31-42.	2.2	32
74	Microsatellite Variation and Recombination Rate in the Human Genome. Genetics, 2000, 156, 1285-1298.	2.9	116