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List of Publications by Year
in descending order

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101 papers	16,212 citations	38742 50 h-index	30922 102 g-index
127 all docs	127 docs citations	127 times ranked	15467 citing authors

#	Article	IF	Citations
1	cis-Regulatory changes in locomotor genes are associated with the evolution of burrowing behavior. Cell Reports, 2022, 38, 110360.	6.4	19
2	An enhancer of Agouti contributes to parallel evolution of cryptically colored beach mice. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	9
3	Behavioral genetics and genomics: Mendelâ€™s peas, mice, and bees. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	11
4	Gregor Johann Mendel and the development of modern evolutionary biology. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	6
5	Fishing for the genetic basis of migratory behavior. Cell, 2021, 184, 303-305.	28.9	3
6	Tail Length Evolution in Deer Mice: Linking Morphology, Behavior, and Function. Integrative and Comparative Biology, 2021, 61, 385-397.	2.0	10
7	Expanding evolutionary neuroscience: insights from comparing variation in behavior. Neuron, 2021, 109, 1084-1099.	8.1	64
8	The Tug1 lncRNA locus is essential for male fertility. Genome Biology, 2020, 21, 237.	8.8	61
9	The genetics of morphological and behavioural island traits in deer mice. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191697.	2.6	21
10	Linking a mutation to survival in wild mice. Science, 2019, 363, 499-504.	12.6	126
11	Coevolution of Genome Architecture and Social Behavior. Trends in Ecology and Evolution, 2019, 34, 844-855.	8.7	49
12	Dietâ€based assortative mating through sexual imprinting. Ecology and Evolution, 2019, 9, 12045-12050.	1.9	1
13	The evolution of nesting behaviour in Peromyscus mice. Animal Behaviour, 2018, 139, 103-115.	1.9	18
14	Sexual imprinting and speciation between two Peromyscus species. Evolution; International Journal of Organic Evolution, 2018, 72, 274-287.	2.3	14
15	The Evolutionary History of Nebraska Deer Mice: Local Adaptation in the Face of Strong Gene Flow. Molecular Biology and Evolution, 2018, 35, 792-806.	8.9	76
16	African striped mice. Current Biology, 2018, 28, R299-R301.	3.9	16
17	The genetic basis of a social polymorphism in halictid bees. Nature Communications, 2018, 9, 4338.	12.8	66
18	Divergent genetic mechanism leads to spiny hair in rodents. PLoS ONE, 2018, 13, e0202219.	2.5	5

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19	Sibling rivalry: Males with more brothers develop larger testes. Ecology and Evolution, 2018, 8, 8197-8203.	1.9	9
20	The role of isoforms in the evolution of cryptic coloration in Peromyscus mice. Molecular Ecology, 2017, 26, 245-258.	3.9	37
21	The genetic basis of parental care evolution in monogamous mice. Nature, 2017, 544, 434-439.	27.8	205
22	The ultimate and proximate mechanisms driving the evolution of long tails in forest deer mice. Evolution; International Journal of Organic Evolution, 2017, 71, 261-273.	2.3	34
23	Evolution and Genetics of Precocious Burrowing Behavior in Peromyscus Mice. Current Biology, 2017, 27, 3837-3845.e3.	3.9	35
24	Peromyscus burrowing: A model system for behavioral evolution. Seminars in Cell and Developmental Biology, 2017, 61, 107-114.	5.0	49
25	The genetic basis and fitness consequences of sperm midpiece size in deer mice. Nature Communications, 2016, 7, 13652.	12.8	40
26	A Family of non-GPCR Chemosensors Defines an Alternative Logic for Mammalian Olfaction. Cell, 2016, 165, 1734-1748.	28.9	117
27	Developmental genetics in emerging rodent models: case studies and perspectives. Current Opinion in Genetics and Development, 2016, 39, 182-186.	3.3	2
28	Ecological Genetics: A Key Gene for Mimicry and Melanism. Current Biology, 2016, 26, R802-R804.	3.9	3
29	The Evolving Neural and Genetic Architecture ofÂVertebrate Olfaction. Current Biology, 2016, 26, R1039-R1049.	3.9	105
30	Developmental mechanisms of stripe patterns in rodents. Nature, 2016, 539, 518-523.	27.8	101
31	A collection of non-human primate computed tomography scans housed in MorphoSource, a repository for 3D data. Scientific Data, 2016, 3, 160001.	5.3	51
32	Peromyscus mice as a model for studying natural variation. ELife, 2015, 4, .	6.0	165
33	Direct Gamete Sequencing Reveals No Evidence for Segregation Distortion in House Mouse Hybrids. PLoS ONE, 2015, 10, e0131933.	2.5	10
34	The dynamics of sperm cooperation in a competitive environment. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140296.	2.6	60
35	The secret of a natural blond. Nature Genetics, 2014, 46, 660-661.	21.4	4
36	Does evolutionary theory need a rethink?. Nature, 2014, 514, 161-164.	27.8	727

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37	On the Prospect of Identifying Adaptive Loci in Recently Bottlenecked Populations. PLoS ONE, 2014, 9, e110579.	2.5	44
38	Loss of Schooling Behavior in Cavefish through Sight-Dependent and Sight-Independent Mechanisms. Current Biology, 2013, 23, 1874-1883.	3.9	182
39	Adaptive Evolution of Multiple Traits Through Multiple Mutations at a Single Gene. Science, 2013, 339, 1312-1316.	12.6	277
40	Discrete genetic modules are responsible for complex burrow evolution in Peromyscus mice. Nature, 2013, 493, 402-405.	27.8	205
41	Evolutionary Biology for the 21st Century. PLoS Biology, 2013, 11, e1001466.	5.6	115
42	The draft genome of a socially polymorphic halictid bee, Lasioglossum albipes. Genome Biology, 2013, 14, R142.	9.6	72
43	Double Digest RADseq: An Inexpensive Method for De Novo SNP Discovery and Genotyping in Model and Non-Model Species. PLoS ONE, 2012, 7, e37135.	2.5	2,836
44	Stickleback is the catch of the day. Nature, 2012, 484, 46-47.	27.8	6
45	Mus spicilegus. Current Biology, 2012, 22, R858-R859.	3.9	9
46	Striking coat colour variation in tuco-tucos (Rodentia: Ctenomyidae): a role for the melanocortin-1 receptor?. Biological Journal of the Linnean Society, 2012, 105, 665-680.	1.6	7
47	Unraveling the thread of natureâ€™s tapestry: the genetics of diversity and convergence in animal pigmentation. Pigment Cell and Melanoma Research, 2012, 25, 411-433.	3.3	143
48	EVIDENCE OF ADAPTATION FROM ANCESTRAL VARIATION IN YOUNG POPULATIONS OF BEACH MICE. Evolution; International Journal of Organic Evolution, 2012, 66, 3209-3223.	2.3	64
49	The Developmental Role of Agouti in Color Pattern Evolution. Science, 2011, 331, 1062-1065.	12.6	195
50	Turing patterns: how the fish got its spots. Pigment Cell and Melanoma Research, 2011, 24, 12-14.	3.3	5
51	Molecular spandrels: tests of adaptation at the genetic level. Nature Reviews Genetics, 2011, 12, 767-780.	16.3	465
52	Five hundred microsatellite loci for Peromyscus. Conservation Genetics, 2010, 11, 1243-1246.	1.5	15
53	Vertebrate pigmentation: from underlying genes to adaptive function. Trends in Genetics, 2010, 26, 231-239.	6.7	383
54	Population structure and plumage polymorphism: The intraspecific evolutionary relationships of a polymorphic raptor, Buteo jamaicensis harlani. BMC Evolutionary Biology, 2010, 10, 224.	3.2	20

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55	THE SELECTIVE ADVANTAGE OF CRYPSIS IN MICE. Evolution; International Journal of Organic Evolution, 2010, 64, 2153-8.	2.3	144
56	Competition drives cooperation among closely related sperm of deer mice. Nature, 2010, 463, 801-803.	27.8	122
57	Monogamy Evolves through Multiple Mechanisms: Evidence from V1aR in Deer Mice. Molecular Biology and Evolution, 2010, 27, 1269-1278.	8.9	98
58	Molecular and functional basis of phenotypic convergence in white lizards at White Sands. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2113-2117.	7.1	264
59	Maternal-Fetal Conflict: Rapidly Evolving Proteins in the Rodent Placenta. Molecular Biology and Evolution, 2010, 27, 1221-1225.	8.9	43
60	Empowering 21st Century Biology. BioScience, 2010, 60, 923-930.	4.9	24
61	Convergence in pigmentation at multiple levels: mutations, genes and function. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 2439-2450.	4.0	275
62	Adaptive basis of geographic variation: genetic, phenotypic and environmental differences among beach mouse populations. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 3809-3818.	2.6	69
63	Convergent Evolution of Novel Protein Function in Shrew and Lizard Venom. Current Biology, 2009, 19, 1925-1931.	3.9	53
64	The evolution of burrowing behaviour in deer mice (genus Peromyscus). Animal Behaviour, 2009, 77, 603-609.	1.9	54
65	On the Origin and Spread of an Adaptive Allele in Deer Mice. Science, 2009, 325, 1095-1098.	12.6	228
66	Measuring Natural Selection on Genotypes and Phenotypes in the Wild. Cold Spring Harbor Symposia on Quantitative Biology, 2009, 74, 155-168.	1.1	55
67	Melanism in Peromyscus Is Caused by Independent Mutations in Agouti. PLoS ONE, 2009, 4, e6435.	2.5	100
68	NATURAL SELECTION ALONG AN ENVIRONMENTAL GRADIENT: A CLASSIC CLINE IN MOUSE PIGMENTATION. Evolution; International Journal of Organic Evolution, 2008, 62, 1555-1570.	2.3	144
69	Combining population genomics and quantitative genetics: finding the genes underlying ecologically important traits. Heredity, 2008, 100, 158-170.	2.6	534
70	Reproductive protein evolution within and between species: maintenance of divergent ZP3 alleles in Peromyscus. Molecular Ecology, 2008, 17, 2616-2628.	3.9	22
71	Rodents. Current Biology, 2008, 18, R406-R410.	3.9	32
72	Are we there yet? Tracking the development of new model systems. Trends in Genetics, 2008, 24, 353-360.	6.7	109

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73	The Genetic Basis of Phenotypic Convergence in Beach Mice: Similar Pigment Patterns but Different Genes. Molecular Biology and Evolution, 2008, 26, 35-45.	8.9	149
74	Comparative Analysis of Testis Protein Evolution in Rodents. Genetics, 2008, 179, 2075-2089.	2.9	67
75	Causes and consequences of the evolution of reproductive proteins. International Journal of Developmental Biology, 2008, 52, 769-780.	0.6	105
76	The Study of Adaptation and Speciation in the Genomic Era. Journal of Mammalogy, 2007, 88, 1-4.	1.3	19
77	Adaptive Variation in Beach Mice Produced by Two Interacting Pigmentation Genes. PLoS Biology, 2007, 5, e219.	5.6	285
78	THE LOCUS OF EVOLUTION: EVO DEVO AND THE GENETICS OF ADAPTATION. Evolution; International Journal of Organic Evolution, 2007, 61, 995-1016.	2.3	847
79	Evolution of Protein Expression: New Genes for a New Diet. Current Biology, 2007, 17, R1014-R1016.	3.9	16
80	A Single Amino Acid Mutation Contributes to Adaptive Beach Mouse Color Pattern. Science, 2006, 313, 101-104.	12.6	616
81	Sixty polymorphic microsatellite markers for the oldfield mouse developed in Peromyscus polionotus and Peromyscus maniculatus. Molecular Ecology Notes, 2006, 6, 36-40.	1.7	23
82	Genetics, development and evolution of adaptive pigmentation in vertebrates. Heredity, 2006, 97, 222-234.	2.6	524
83	Adaptive Evolution of Fertilization Proteins within a Genus: Variation in ZP2 and ZP3 in Deer Mice (Peromyscus). Molecular Biology and Evolution, 2006, 23, 1656-1669.	8.9	71
84	Local adaptation in the rock pocket mouse (Chaetodipus intermedius): natural selection and phylogenetic history of populations. Heredity, 2005, 94, 217-228.	2.6	115
85	Signatures of Reproductive Isolation in Patterns of Single Nucleotide Diversity Across Inbred Strains of Mice. Genetics, 2005, 171, 1905-1916.	2.9	39
86	ECOLOGICAL GENETICS OF ADAPTIVE COLOR POLYMORPHISM IN POCKET MICE: GEOGRAPHIC VARIATION IN SELECTED AND NEUTRAL GENES. Evolution; International Journal of Organic Evolution, 2004, 58, 1329.	2.3	144
87	ADAPTIVE REPTILE COLOR VARIATION AND THE EVOLUTION OF THE MC1R GENE. Evolution; International Journal of Organic Evolution, 2004, 58, 1794.	2.3	21
88	ADAPTIVE REPTILE COLOR VARIATION AND THE EVOLUTION OF THE MCIR GENE. Evolution; International Journal of Organic Evolution, 2004, 58, 1794-1808.	2.3	198
89	ECOLOGICAL GENETICS OF ADAPTIVE COLOR POLYMORPHISM IN POCKET MICE: GEOGRAPHIC VARIATION IN SELECTED AND NEUTRAL GENES. Evolution; International Journal of Organic Evolution, 2004, 58, 1329-1341.	2.3	215
90	EVOLUTION: Parallel Evolution Is in the Genes. Science, 2004, 303, 1779-1781.	12.6	32

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91	Different genes underlie adaptive melanism in different populations of rock pocket mice. Molecular Ecology, 2003, 12, 1185-1194.	3.9	176
92	The genetic basis of adaptive melanism in pocket mice. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 5268-5273.	7.1	462
93	Unequal Transmission of Mitochondrial Haplotypes in Natural Populations of Field Mice with XY Females (GenusAkodon). American Naturalist, 2003, 161, 29-39.	2.1	4
94	The Strength of Phenotypic Selection in Natural Populations. American Naturalist, 2001, 157, 245-261.	2.1	1,694
95	Expression and conservation of processed copies of the RBMX gene. Mammalian Genome, 2001, 12, 538-545.	2.2	50
96	AN UNUSUAL SEX-DETERMINATION SYSTEM IN SOUTH AMERICAN FIELD MICE (GENUS AKODON): THE ROLE OF MUTATION, SELECTION, AND MEIOTIC DRIVE IN MAINTAINING XY FEMALES. Evolution; International Journal of Organic Evolution, 2001, 55, 190-197.	2.3	24
97	AN UNUSUAL SEX-DETERMINATION SYSTEM IN SOUTH AMERICAN FIELD MICE (GENUS AKODON): THE ROLE OF MUTATION, SELECTION, AND MEIOTIC DRIVE IN MAINTAINING XY FEMALES. Evolution; International Journal of Organic Evolution, 2001, 55, 190.	2.3	2
98	Strength and tempo of directional selection in the wild. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 9157-9160.	7.1	401
99	Multiple origins of XY female mice (genus Akodon): phylogenetic and chromosomal evidence. Proceedings of the Royal Society B: Biological Sciences, 2000, 267, 1825-1831.	2.6	29
100	MHC Class II Pseudogene and Genomic Signature of a 32-kb Cosmid in the House Finch (Carpodacus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	5.5	68
101	Body size, dispersal ability and compositional disharmony: the carnivore-dominated fauna of the Kuril Islands. Diversity and Distributions, 1998, 4, 135-149.	4.1	21