

# Michael W Nachman

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

6,594  
citations

159585

30  
h-index

197818

49  
g-index

53  
all docs

53  
docs citations

53  
times ranked

8864  
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimate of the Mutation Rate per Nucleotide in Humans. <i>Genetics</i> , 2000, 156, 297-304.	2.9	1,023
2	Genomics and the origin of species. <i>Nature Reviews Genetics</i> , 2014, 15, 176-192.	16.3	850
3	The genetic basis of adaptive melanism in pocket mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 5268-5273.	7.1	462
4	Subspecific origin and haplotype diversity in the laboratory mouse. <i>Nature Genetics</i> , 2011, 43, 648-655.	21.4	439
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	Adaptive Introgression of Anticoagulant Rodent Poison Resistance by Hybridization between Old World Mice. <i>Current Biology</i> , 2011, 21, 1296-1301.	3.9	282
7	Genome-wide patterns of gene flow across a house mouse hybrid zone. <i>Genome Research</i> , 2008, 18, 67-76.	5.5	235
8	Variation in recombination rate across the genome: evidence and implications. <i>Current Opinion in Genetics and Development</i> , 2002, 12, 657-663.	3.3	214
9	Natural history collections as windows on evolutionary processes. <i>Molecular Ecology</i> , 2016, 25, 864-881.	3.9	199
10	DNA Variability and Recombination Rates at X-Linked Loci in Humans. <i>Genetics</i> , 1998, 150, 1133-1141.	2.9	194
11	Transmission modes of the mammalian gut microbiota. <i>Science</i> , 2018, 362, 453-457.	12.6	189
12	Gene Regulation and Speciation. <i>Trends in Genetics</i> , 2017, 33, 68-80.	6.7	149
13	Insights into mammalian biology from the wild house mouse <i>Mus musculus</i> . <i>ELife</i> , 2015, 4, .	6.0	134
14	Dispersal limitation promotes the diversification of the mammalian gut microbiota. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13768-13773.	7.1	121
15	Morphological and population genomic evidence that human faces have evolved to signal individual identity. <i>Nature Communications</i> , 2014, 5, 4800.	12.8	117
16	Microsatellite Variation and Recombination Rate in the Human Genome. <i>Genetics</i> , 2000, 156, 1285-1298.	2.9	116
17	Linkage Disequilibrium in Wild Mice. <i>PLoS Genetics</i> , 2007, 3, e144.	3.5	108
18	Gene regulation and speciation in house mice. <i>Genome Research</i> , 2016, 26, 451-461.	5.5	104

#	ARTICLE	IF	CITATIONS
19	Deleterious mutations in animal mitochondrial DNA. <i>Genetica</i> , 1998, 102/103, 61-69.	1.1	102
20	Dichotomy of single-nucleotide polymorphism haplotypes in olfactory receptor genes and pseudogenes. <i>Nature Genetics</i> , 2000, 26, 221-224.	21.4	92
21	Recombination and Speciation: Loci Near Centromeres Are More Differentiated Than Loci Near Telomeres Between Subspecies of the European Rabbit ( <i>Oryctolagus cuniculus</i> ). <i>Genetics</i> , 2009, 181, 593-606.	2.9	92
22	Spatial Heterogeneity of Gut Microbial Composition along the Gastrointestinal Tract in Natural Populations of House Mice. <i>PLoS ONE</i> , 2016, 11, e0163720.	2.5	84
23	The Genomic Architecture of Population Divergence between Subspecies of the European Rabbit. <i>PLoS Genetics</i> , 2014, 10, e1003519.	3.5	82
24	Altitudinal variation of the gut microbiota in wild house mice. <i>Molecular Ecology</i> , 2019, 28, 2378-2390.	3.9	77
25	Host genetic determinants of the gut microbiota of wild mice. <i>Molecular Ecology</i> , 2019, 28, 3197-3207.	3.9	76
26	Contrasting Evolutionary Histories of Two Introns of the Duchenne Muscular Dystrophy Gene, <i>Dmd</i> , in Humans. <i>Genetics</i> , 2000, 155, 1855-1864.	2.9	73
27	The genomic basis of environmental adaptation in house mice. <i>PLoS Genetics</i> , 2018, 14, e1007672.	3.5	65
28	Chitinase genes ( <i>CHIA</i> s) provide genomic footprints of a post-Cretaceous dietary radiation in placental mammals. <i>Science Advances</i> , 2018, 4, eaar6478.	10.3	55
29	Gene regulation underlies environmental adaptation in house mice. <i>Genome Research</i> , 2018, 28, 1636-1645.	5.5	51
30	Selection on Coding and Regulatory Variation Maintains Individuality in Major Urinary Protein Scent Marks in Wild Mice. <i>PLoS Genetics</i> , 2016, 12, e1005891.	3.5	46
31	The genetic basis of adaptation: lessons from concealing coloration in pocket mice. <i>Genetica</i> , 2005, 123, 125-136.	1.1	33
32	Genome-Wide Patterns of Differentiation Among House Mouse Subspecies. <i>Genetics</i> , 2014, 198, 283-297.	2.9	33
33	Genomics and museum specimens. <i>Molecular Ecology</i> , 2013, 22, 5966-5968.	3.9	29
34	The gut microbiota and Bergmann's rule in wild house mice. <i>Molecular Ecology</i> , 2020, 29, 2300-2311.	3.9	28
35	Haldane and the first estimates of the human mutation rate. <i>Journal of Genetics</i> , 2004, 83, 231-233.	0.7	27
36	Experimental Evidence for Adaptation to Species-Specific Gut Microbiota in House Mice. <i>MSphere</i> , 2019, 4, .	2.9	27

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37	Isolation and characterization of <i>Neisseria musculi</i> sp. nov., from the wild house mouse. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 3585-3593.	1.7	27
38	The genomics of rapid climatic adaptation and parallel evolution in North American house mice. <i>PLoS Genetics</i> , 2021, 17, e1009495.	3.5	26
39	Genomic islands of differentiation in two songbird species reveal candidate genes for hybrid female sterility. <i>Molecular Ecology</i> , 2018, 27, 949-958.	3.9	25
40	The population genetics of cypsis in vertebrates: recent insights from mice, hares, and lizards. <i>Heredity</i> , 2020, 124, 1-14.	2.6	24
41	Gene expression plasticity and desert adaptation in house mice*. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 1477-1491.	2.3	23
42	Deleterious Mutations at the Mitochondrial ND3 Gene in South American Marsh Rats ( <i>Holochilus</i> ). <i>Genetics</i> , 1998, 150, 359-368.	2.9	23
43	The Contribution of Genetic and Environmental Effects to Bergmann's Rule and Allen's Rule in House Mice. <i>American Naturalist</i> , 2022, 199, 691-704.	2.1	20
44	The Genetics of Adaptive Coat Color in Gophers: Coding Variation at <i>Mc1r</i> Is Not Responsible for Dorsal Color Differences. <i>Journal of Heredity</i> , 2007, 98, 567-574.	2.4	17
45	Nucleotide Variation at <i>Msn</i> and <i>Alas2</i> , Two Genes Flanking the Centromere of the X Chromosome in Humans. <i>Genetics</i> , 2004, 167, 423-437.	2.9	15
46	Speciation and reduced hybrid female fertility in house mice. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 2468-2481.	2.3	15
47	Gene Expression Networks Across Multiple Tissues Are Associated with Rates of Molecular Evolution in Wild House Mice. <i>Genes</i> , 2019, 10, 225.	2.4	12
48	Bidirectional Introgression between <i>Mus musculus domesticus</i> and <i>Mus spretus</i> . <i>Genome Biology and Evolution</i> , 2022, 14, .	2.5	11
49	The genomic basis of high-elevation adaptation in wild house mice ( <i>Mus musculus domesticus</i> ) from South America. <i>Genetics</i> , 2022, 220, .	2.9	7