

# Richard Meisel

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

1,989  
citations

471509

17  
h-index

345221

36  
g-index

52  
all docs

52  
docs citations

52  
times ranked

2446  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative genome sequencing of <i>Drosophila pseudoobscura</i> : Chromosomal, gene, and cis-element evolution. <i>Genome Research</i> , 2005, 15, 1-18.	5.5	453
2	Genome of the house fly, <i>Musca domestica</i> L., a global vector of diseases with adaptations to a septic environment. <i>Genome Biology</i> , 2014, 15, 466.	8.8	252
3	The faster-X effect: integrating theory and data. <i>Trends in Genetics</i> , 2013, 29, 537-544.	6.7	222
4	Disentangling the relationship between sex-biased gene expression and X-linkage. <i>Genome Research</i> , 2012, 22, 1255-1265.	5.5	133
5	Towards a More Nuanced Understanding of the Relationship between Sex-Biased Gene Expression and Rates of Protein-Coding Sequence Evolution. <i>Molecular Biology and Evolution</i> , 2011, 28, 1893-1900.	8.9	126
6	A Complex Suite of Forces Drives Gene Traffic from <i>Drosophila</i> X Chromosomes. <i>Genome Biology and Evolution</i> , 2009, 1, 176-188.	2.5	87
7	Faster-X Evolution of Gene Expression in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2012, 8, e1003013.	3.5	83
8	A Review of Bacterial Interactions With Blow Flies (Diptera: Calliphoridae) of Medical, Veterinary, and Forensic Importance. <i>Annals of the Entomological Society of America</i> , 2017, 110, 19-36.	2.5	71
9	Comparative genomic analysis of six <i>Glossina</i> genomes, vectors of African trypanosomes. <i>Genome Biology</i> , 2019, 20, 187.	8.8	71
10	Teaching Tree-Thinking to Undergraduate Biology Students. <i>Evolution: Education and Outreach</i> , 2010, 3, 621-628.	0.8	51
11	The Evolving Puzzle of Autosomal Versus Y-linked Male Determination in <i>Musca domestica</i> . <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 371-384.	1.8	39
12	The poly(A) polymerase GLD2 is required for spermatogenesis in <i>Drosophila melanogaster</i> . <i>Development (Cambridge)</i> , 2011, 138, 1619-1629.	2.5	36
13	Sex-specific aging in animals: Perspective and future directions. <i>Aging Cell</i> , 2022, 21, e13542.	6.7	36
14	The house fly Y Chromosome is young and minimally differentiated from its ancient X Chromosome partner. <i>Genome Research</i> , 2017, 27, 1417-1426.	5.5	33
15	Transcriptome Differences between Alternative Sex Determining Genotypes in the House Fly, <i>Musca domestica</i> . <i>Genome Biology and Evolution</i> , 2015, 7, 2051-2061.	2.5	30
16	Is Multifactorial Sex Determination in the House Fly, <i>Musca domestica</i> (L.), Stable Over Time?. <i>Journal of Heredity</i> , 2016, 107, 615-625.	2.4	29
17	Using genomic data to study insecticide resistance in the house fly, <i>Musca domestica</i> . <i>Pesticide Biochemistry and Physiology</i> , 2018, 151, 76-81.	3.6	28
18	The X chromosome of the German cockroach, <i>Blattella germanica</i> , is homologous to a fly X chromosome despite 400 million years divergence. <i>BMC Biology</i> , 2019, 17, 100.	3.8	19

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19	Evolution of Sex Determination and Sex Chromosomes: A Novel Alternative Paradigm. <i>BioEssays</i> , 2020, 42, 1900212.	2.5	19
20	The genome of the stable fly, <i>Stomoxys calcitrans</i> , reveals potential mechanisms underlying reproduction, host interactions, and novel targets for pest control. <i>BMC Biology</i> , 2021, 19, 41.	3.8	19
21	Adaptive Evolution of Genes Duplicated from the <i>Drosophila pseudoobscura</i> neo-X Chromosome. <i>Molecular Biology and Evolution</i> , 2010, 27, 1963-1978.	8.9	16
22	Evolutionary Dynamics of Recently Duplicated Genes: Selective Constraints on Diverging Paralogs in the <i>Drosophila pseudoobscura</i> Genome. <i>Journal of Molecular Evolution</i> , 2009, 69, 81-93.	1.8	15
23	Sex Chromosome Evolution in Muscid Flies. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 1341-1352.	1.8	15
24	Population Genomics Reveals Incipient Speciation, Introgression, and Adaptation in the African Mona Monkey ( <i>Cercopithecus mona</i> ). <i>Molecular Biology and Evolution</i> , 2021, 38, 876-890.	8.9	15
25	Repeat mediated gene duplication in the <i>Drosophila pseudoobscura</i> genome. <i>Gene</i> , 2009, 438, 1-7.	2.2	12
26	Minimal Effects of Proto-Y Chromosomes on House Fly Gene Expression in Spite of Evidence that Selection Maintains Stable Polygenic Sex Determination. <i>Genetics</i> , 2019, 213, 313-327.	2.9	11
27	Gene-Level, but Not Chromosome-Wide, Divergence between a Very Young House Fly Proto-Y Chromosome and Its Homologous Proto-X Chromosome. <i>Molecular Biology and Evolution</i> , 2021, 38, 606-618.	8.9	10
28	Sexual conflict and the maintenance of genetic variation in natural populations. <i>Molecular Ecology</i> , 2018, 27, 3569-3571.	3.9	6
29	Thermal tolerance and preference are both consistent with the clinal distribution of house fly proto-Y chromosomes. <i>Evolution Letters</i> , 2021, 5, 495-506.	3.3	6
30	Temperature-dependent effects of house fly proto-Y chromosomes on gene expression could be responsible for fitness differences that maintain polygenic sex determination. <i>Molecular Ecology</i> , 2021, 30, 5704-5720.	3.9	6
31	Meiotic Transmission of <i>Drosophila pseudoobscura</i> Chromosomal Arrangements. <i>PLoS ONE</i> , 2007, 2, e530.	2.5	6
32	Gene expression in <i>Lucilia sericata</i> ( <i>Diptera</i> : <i>Calliphoridae</i> ) larvae exposed to <i>Pseudomonas aeruginosa</i> and <i>Acinetobacter baumannii</i> identifies shared and microbe-specific induction of immune genes. <i>Insect Molecular Biology</i> , 2022, 31, 85-100.	2.0	6
33	The maintenance of polygenic sex determination depends on the dominance of fitness effects which are predictive of the role of sexual antagonism. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	1.8	5
34	Morphometric and genetic differentiation among populations of flat-headed cusimanse ( <i>Crossarchus platycephalus</i> ) in Nigeria. <i>Ecology and Evolution</i> , 2018, 8, 7228-7235.	1.9	3
35	Genes Relocated Between <i>Drosophila</i> Chromosome Arms Evolve Under Relaxed Selective Constraints Relative to Non-Relocated Genes. <i>Journal of Molecular Evolution</i> , 2018, 86, 340-352.	1.8	2