# Richard Meisel

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | Gene expression in <scp><i>Lucilia sericata</i></scp> (<scp>Diptera</scp>: <scp>Calliphoridae</scp>) larvae exposed to <scp><i>Pseudomonas aeruginosa</i></scp> and <scp><i>Acinetobacter baumannii</i></scp> identifies shared and microbeâ€specific induction of immune genes. Insect Molecular Biology, 2022, 31, 85-100. | 2.0 | 6 |
| 2 | Sexâ€specific aging in animals: Perspective and future directions. Aging Cell, 2022, 21, e13542. | 6.7 | 36 |
| 3 | Population Genomics Reveals Incipient Speciation, Introgression, and Adaptation in the African Mona Monkey (<i>Cercopithecus mona</i>). Molecular Biology and Evolution, 2021, 38, 876-890. | 8.9 | 15 |
| 4 | Gene-Level, but Not Chromosome-Wide, Divergence between a Very Young House Fly Proto-Y Chromosome and Its Homologous Proto-X Chromosome. Molecular Biology and Evolution, 2021, 38, 606-618. | 8.9 | 10 |
| 5 | The genome of the stable fly, Stomoxys calcitrans, reveals potential mechanisms underlying reproduction, host interactions, and novel targets for pest control. BMC Biology, 2021, 19, 41. | 3.8 | 19 |
| 6 | The maintenance of polygenic sex determination depends on the dominance of fitness effects which are predictive of the role of sexual antagonism. G3: Genes, Genomes, Genetics, 2021, 11, . | 1.8 | 5 |
| 7 | Thermal tolerance and preference are both consistent with the clinal distribution of house fly proto-Y chromosomes. Evolution Letters, 2021, 5, 495-506. | 3.3 | 6 |
| 8 | Temperatureâ€dependent effects of house fly protoâ€Y chromosomes on gene expression could be responsible for fitness differences that maintain polygenic sex determination. Molecular Ecology, 2021, 30, 5704-5720. | 3.9 | 6 |
| 9 | Evolution of Sex Determination and Sex Chromosomes: A Novel Alternative Paradigm. BioEssays, 2020, 42, 1900212. | 2.5 | 19 |
| 10 | Sex Chromosome Evolution in Muscid Flies. G3: Genes, Genomes, Genetics, 2020, 10, 1341-1352. | 1.8 | 15 |
| 11 | Comparative genomic analysis of six Glossina genomes, vectors of African trypanosomes. Genome Biology, 2019, 20, 187. | 8.8 | 71 |
| 12 | Minimal Effects of Proto-<i>Y</i>Chromosomes on House Fly Gene Expression in Spite of Evidence that Selection Maintains Stable Polygenic Sex Determination. Genetics, 2019, 213, 313-327. | 2.9 | 11 |
| 13 | The X chromosome of the German cockroach, Blattella germanica, is homologous to a fly X chromosome despite 400 million years divergence. BMC Biology, 2019, 17, 100. | 3.8 | 19 |
| 14 | Using genomic data to study insecticide resistance in the house fly, Musca domestica. Pesticide Biochemistry and Physiology, 2018, 151, 76-81. | 3.6 | 28 |
| 15 | Sexual conflict and the maintenance of genetic variation in natural populations. Molecular Ecology, 2018, 27, 3569-3571. | 3.9 | 6 |
| 16 | Genes Relocated Between Drosophila Chromosome Arms Evolve Under Relaxed Selective Constraints Relative to Non-Relocated Genes. Journal of Molecular Evolution, 2018, 86, 340-352. | 1.8 | 2 |
| 17 | Morphometric and genetic differentiation among populations of flatâ€headed cusimanse (<i>Crossarchus platycephalus</i>) in Nigeria. Ecology and Evolution, 2018, 8, 7228-7235. | 1.9 | 3 |
| 18 | The house fly Y Chromosome is young and minimally differentiated from its ancient X Chromosome partner. Genome Research, 2017, 27, 1417-1426. | 5.5 | 33 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A Review of Bacterial Interactions With Blow Flies (Diptera: Calliphoridae) of Medical, Veterinary, and Forensic Importance. Annals of the Entomological Society of America, 2017, 110, 19-36. | 2.5 | 71 |
| 20 | Is Multifactorial Sex Determination in the House Fly,<i>Musca domestica</i>(L.), Stable Over Time?. Journal of Heredity, 2016, 107, 615-625. | 2.4 | 29 |
| 21 | Transcriptome Differences between Alternative Sex Determining Genotypes in the House Fly,<i>Musca domestica</i>. Genome Biology and Evolution, 2015, 7, 2051-2061. | 2.5 | 30 |
| 22 | The Evolving Puzzle of Autosomal<i>Versus</i>Y-linked Male Determination in<i>Musca domestica</i>. G3: Genes, Genomes, Genetics, 2015, 5, 371-384. | 1.8 | 39 |
| 23 | Genome of the house fly, Musca domestica L., a global vector of diseases with adaptations to a septic environment. Genome Biology, 2014, 15, 466. | 8.8 | 252 |
| 24 | The faster-X effect: integrating theory and data. Trends in Genetics, 2013, 29, 537-544. | 6.7 | 222 |
| 25 | Faster-X Evolution of Gene Expression in Drosophila. PLoS Genetics, 2012, 8, e1003013. | 3.5 | 83 |
| 26 | Disentangling the relationship between sex-biased gene expression and X-linkage. Genome Research, 2012, 22, 1255-1265. | 5.5 | 133 |
| 27 | The poly(A) polymerase GLD2 is required for spermatogenesis in <i>Drosophila melanogaster</i>. Development (Cambridge), 2011, 138, 1619-1629. | 2.5 | 36 |
| 28 | Towards a More Nuanced Understanding of the Relationship between Sex-Biased Gene Expression and Rates of Protein-Coding Sequence Evolution. Molecular Biology and Evolution, 2011, 28, 1893-1900. | 8.9 | 126 |
| 29 | Teaching Tree-Thinking to Undergraduate Biology Students. Evolution: Education and Outreach, 2010, 3, 621-628. | 0.8 | 51 |
| 30 | Adaptive Evolution of Genes Duplicated from the Drosophila pseudoobscura neo-X Chromosome. Molecular Biology and Evolution, 2010, 27, 1963-1978. | 8.9 | 16 |
| 31 | A Complex Suite of Forces Drives Gene Traffic from Drosophila X Chromosomes. Genome Biology and Evolution, 2009, 1, 176-188. | 2.5 | 87 |
| 32 | Evolutionary Dynamics of Recently Duplicated Genes: Selective Constraints on Diverging Paralogs in the Drosophila pseudoobscura Genome. Journal of Molecular Evolution, 2009, 69, 81-93. | 1.8 | 15 |
| 33 | Repeat mediated gene duplication in the Drosophila pseudoobscura genome. Gene, 2009, 438, 1-7. | 2.2 | 12 |
| 34 | Meiotic Transmission of Drosophila pseudoobscura Chromosomal Arrangements. PLoS ONE, 2007, 2, e530. | 2.5 | 6 |
| 35 | Comparative genome sequencing of Drosophila pseudoobscura: Chromosomal, gene, and cis-element evolution. Genome Research, 2005, 15, 1-18. | 5.5 | 453 |