

# Judith E Mank

## List of Publications by Citations

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74  
papers

4,162  
citations

36  
h-index

64  
g-index

80  
ext. papers

5,334  
ext. citations

7.8  
avg, IF

6.15  
L-index

#	Paper	IF	Citations
74	Sex determination: why so many ways of doing it?. <i>PLoS Biology</i> , <b>2014</b> , 12, e1001899	9.7	606
73	Are all sex chromosomes created equal?. <i>Trends in Genetics</i> , <b>2011</b> , 27, 350-7	8.5	238
72	Evolution of alternative sex-determining mechanisms in teleost fishes. <i>Biological Journal of the Linnean Society</i> , <b>2006</b> , 87, 83-93	1.9	169
71	Running with the Red Queen: the role of biotic conflicts in evolution. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2014</b> , 281,	4.4	150
70	Sex chromosomes and the evolution of sexual dimorphism: lessons from the genome. <i>American Naturalist</i> , <b>2009</b> , 173, 141-50	3.7	146
69	Sex chromosome dosage compensation: definitely not for everyone. <i>Trends in Genetics</i> , <b>2013</b> , 29, 677-838.5	8.5	138
68	Effective population size and the Faster-X effect: empirical results and their interpretation. <i>Evolution; International Journal of Organic Evolution</i> , <b>2010</b> , 64, 663-74	3.8	134
67	Prevalence of sexual dimorphism in mammalian phenotypic traits. <i>Nature Communications</i> , <b>2017</b> , 8, 154757.4	7.4	130
66	How to make a sex chromosome. <i>Nature Communications</i> , <b>2016</b> , 7, 12087	17.4	129
65	Sexual selection drives evolution and rapid turnover of male gene expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 4393-8	11.5	121
64	PHYLOGENETIC PERSPECTIVES IN THE EVOLUTION OF PARENTAL CARE IN RAY-FINNED FISHES. <i>Evolution; International Journal of Organic Evolution</i> , <b>2005</b> , 59, 1570-1578	3.8	121
63	The W, X, Y and Z of sex-chromosome dosage compensation. <i>Trends in Genetics</i> , <b>2009</b> , 25, 226-33	8.5	112
62	Faster-Z evolution is predominantly due to genetic drift. <i>Molecular Biology and Evolution</i> , <b>2010</b> , 27, 661-703	7.0	93
61	Transitions in sex determination and sex chromosomes across vertebrate species. <i>Molecular Ecology</i> , <b>2018</b> , 27, 3950-3963	5.7	89
60	Convergent recombination suppression suggests role of sexual selection in guppy sex chromosome formation. <i>Nature Communications</i> , <b>2017</b> , 8, 14251	17.4	85
59	The transcriptional architecture of phenotypic dimorphism. <i>Nature Ecology and Evolution</i> , <b>2017</b> , 1, 6	12.3	79
58	Masculinization of gene expression is associated with exaggeration of male sexual dimorphism. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003697	6	76

57	The ontogeny and evolution of sex-biased gene expression in <i>Drosophila melanogaster</i> . <i>Molecular Biology and Evolution</i> , <b>2014</b> , 31, 1206-19	8.3	75
56	Ontogenetic complexity of sexual dimorphism and sex-specific selection. <i>Molecular Biology and Evolution</i> , <b>2010</b> , 27, 1570-8	8.3	73
55	Population genetics of sexual conflict in the genomic era. <i>Nature Reviews Genetics</i> , <b>2017</b> , 18, 721-730	30.1	69
54	Some inconvenient truths about sex chromosome dosage compensation and the potential role of sexual conflict. <i>Evolution; International Journal of Organic Evolution</i> , <b>2011</b> , 65, 2133-44	3.8	69
53	Sex-linkage of sexually antagonistic genes is predicted by female, but not male, effects in birds. <i>Evolution; International Journal of Organic Evolution</i> , <b>2009</b> , 63, 1464-72	3.8	62
52	Sex Chromosome Evolution: So Many Exceptions to the Rules. <i>Genome Biology and Evolution</i> , <b>2020</b> , 12, 750-763	3.9	62
51	Phylogenetic conservation of chromosome numbers in Actinopterygiiian fishes. <i>Genetica</i> , <b>2006</b> , 127, 321-75		59
50	Trade-off between selection for dosage compensation and masculinization on the avian Z chromosome. <i>Genetics</i> , <b>2012</b> , 192, 1433-45	4	57
49	Are sex-biased genes more dispensable?. <i>Biology Letters</i> , <b>2009</b> , 5, 409-12	3.6	49
48	Female brain size affects the assessment of male attractiveness during mate choice. <i>Science Advances</i> , <b>2017</b> , 3, e1601990	14.3	48
47	Small but mighty: the evolutionary dynamics of W and Y sex chromosomes. <i>Chromosome Research</i> , <b>2012</b> , 20, 21-33	4.4	47
46	Whole-genome resequencing reveals signatures of selection and timing of duck domestication. <i>GigaScience</i> , <b>2018</b> , 7,	7.6	45
45	Independent stratum formation on the avian sex chromosomes reveals inter-chromosomal gene conversion and predominance of purifying selection on the W chromosome. <i>Evolution; International Journal of Organic Evolution</i> , <b>2014</b> , 68, 3281-95	3.8	45
44	Inferring regulatory change from gene expression: the confounding effects of tissue scaling. <i>Molecular Ecology</i> , <b>2016</b> , 25, 5114-5128	5.7	44
43	Positive Selection Underlies Faster-Z Evolution of Gene Expression in Birds. <i>Molecular Biology and Evolution</i> , <b>2015</b> , 32, 2646-56	8.3	43
42	Recent Sex Chromosome Divergence despite Ancient Dioecy in the Willow <i>Salix viminalis</i> . <i>Molecular Biology and Evolution</i> , <b>2017</b> , 34, 1991-2001	8.3	42
41	Male-biased gene expression resolves sexual conflict through the evolution of sex-specific genetic architecture. <i>Evolution Letters</i> , <b>2018</b> , 2, 52-61	5.3	41
40	Compensation of Dosage-Sensitive Genes on the Chicken Z Chromosome. <i>Genome Biology and Evolution</i> , <b>2016</b> , 8, 1233-42	3.9	40

39	Extreme heterogeneity in sex chromosome differentiation and dosage compensation in livebearers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 19031-19036	11.5	40
38	The evolution of heterochiasmy: the role of sexual selection and sperm competition in determining sex-specific recombination rates in eutherian mammals. <i>Genetical Research</i> , <b>2009</b> , 91, 355-63	1.1	36
37	Phylogenetic perspectives in the evolution of parental care in ray-finned fishes. <i>Evolution; International Journal of Organic Evolution</i> , <b>2005</b> , 59, 1570-8	3.8	36
36	Evolution of dosage compensation under sexual selection differs between X and Z chromosomes. <i>Nature Communications</i> , <b>2015</b> , 6, 7720	17.4	35
35	Individual organisms as units of analysis: Bayesian-clustering alternatives in population genetics. <i>Genetical Research</i> , <b>2004</b> , 84, 135-43	1.1	35
34	COMPARATIVE PHYLOGENETIC ANALYSIS OF MALE ALTERNATIVE REPRODUCTIVE TACTICS IN RAY-FINNED FISHES. <i>Evolution; International Journal of Organic Evolution</i> , <b>2006</b> , 60, 1311-1316	3.8	34
33	Conflict on the sex chromosomes: cause, effect, and complexity. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2014</b> , 6, a017715	10.2	33
32	Polyandry and sex-specific gene expression. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2013</b> , 368, 20120047	5.8	26
31	Sex chromosomes and male ornaments: a comparative evaluation in ray-finned fishes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2006</b> , 273, 233-6	4.4	26
30	Shared and Species-Specific Patterns of Nascent Y Chromosome Evolution in Two Guppy Species. <i>Genes</i> , <b>2018</b> , 9,	4.2	21
29	Cladogenetic correlates of genomic expansions in the recent evolution of actinopterygian fishes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2006</b> , 273, 33-8	4.4	21
28	Genome assembly of the basket willow, <i>Salix viminalis</i> , reveals earliest stages of sex chromosome expansion. <i>BMC Biology</i> , <b>2020</b> , 18, 78	7.3	20
27	Slow evolution of sex-biased genes in the reproductive tissue of the dioecious plant <i>Salix viminalis</i> . <i>Molecular Ecology</i> , <b>2018</b> , 27, 694-708	5.7	20
26	Early neurogenomic response associated with variation in guppy female mate preference. <i>Nature Ecology and Evolution</i> , <b>2018</b> , 2, 1772-1781	12.3	20
25	Guppy Y Chromosome Integrity Maintained by Incomplete Recombination Suppression. <i>Genome Biology and Evolution</i> , <b>2020</b> , 12, 965-977	3.9	17
24	Allele-Specific Expression Analysis Does Not Support Sex Chromosome Inactivation on the Chicken Z Chromosome. <i>Genome Biology and Evolution</i> , <b>2017</b> , 9, 619-626	3.9	15
23	Divergence and Remarkable Diversity of the Y Chromosome in Guppies. <i>Molecular Biology and Evolution</i> , <b>2021</b> , 38, 619-633	8.3	15
22	Phenotypic sexual dimorphism is associated with genomic signatures of resolved sexual conflict. <i>Molecular Ecology</i> , <b>2019</b> , 28, 2860-2871	5.7	14

21	Expression change in Angiotensin-1 underlies change in relative brain size in fish. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2015</b> , 282,	4.4	13
20	Comparative phylogenetic analysis of male alternative reproductive tactics in ray-finned fishes. <i>Evolution; International Journal of Organic Evolution</i> , <b>2006</b> , 60, 1311-6	3.8	12
19	Sperm competition shapes gene expression and sequence evolution in the ocellated wrasse. <i>Molecular Ecology</i> , <b>2017</b> , 26, 505-518	5.7	11
18	On the power to detect rare recombination events. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 12607-12608	11.5	10
17	Extreme Y chromosome polymorphism corresponds to five male reproductive morphs of a freshwater fish. <i>Nature Ecology and Evolution</i> , <b>2021</b> , 5, 939-948	12.3	10
16	Sexual conflict. <i>Current Biology</i> , <b>2019</b> , 29, R451-R455	6.3	8
15	Rapid Evolution of Complete Dosage Compensation in <i>Poecilia</i> . <i>Genome Biology and Evolution</i> , <b>2021</b> , 13,	3.9	5
14	Deficit of mitonuclear genes on the human X chromosome predates sex chromosome formation. <i>Genome Biology and Evolution</i> , <b>2015</b> , 7, 636-41	3.9	4
13	From Genotype↔Environment to Transcriptome↔Environment: Identifying and Understanding Environmental Influences in the Gene Expression Underlying Sexually Selected Traits <b>2014</b> , 169-188		4
12	Sex-specific aging in animals: Perspective and future directions.. <i>Aging Cell</i> , <b>2022</b> , e13542	9.9	4
11	Widespread cryptic variation in genetic architecture between the sexes. <i>Evolution Letters</i> , <b>2021</b> , 5, 359-369		4
10	Constraint and divergence in the evolution of male and female recombination rates in fishes. <i>Evolution; International Journal of Organic Evolution</i> , <b>2021</b> , 75, 2857-2866	3.8	4
9	High-resolution characterization of male ornamentation and re-evaluation of sex linkage in guppies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2020</b> , 287, 20201677	4.4	3
8	Are plant and animal sex chromosomes really all that different?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2022</b> , 377, 20210218	5.8	3
7	Developmental mechanisms of sex differences: from cells to organisms. <i>Development (Cambridge)</i> , <b>2021</b> , 148,	6.6	2
6	Conserved sex-biased DNA methylation patterns target key developmental genes and non-recombining region of the guppy sex chromosome		2
5	Different mating contexts lead to extensive rewiring of female brain coexpression networks in the guppy. <i>Genes, Brain and Behavior</i> , <b>2021</b> , 20, e12697	3.6	2
4	Evolution. Sexual selection and Darwin's mystery of mysteries. <i>Science</i> , <b>2009</b> , 326, 1639-40	33.3	1

- 3 Gene duplication to the Y chromosome in Trinidadian Guppies.. *Molecular Ecology*, **2022**, 5:7 1
- 2 The Evolution of Sex Determination in Animals **2013**, 15-36
- 1 Journal club. An evolutionary biologist compares genomic complexity to modern art. *Nature*, **2009**, 461, 701 50.4