Judith E Mank

List of Publications by Year
in descending order

75 papers	6,052 citations	87888 38 h-index	88630 70 g-index
80 all docs	80 docs citations	80 times ranked	5815 citing authors

#	Article	IF	Citations
1	Sex Determination: Why So Many Ways of Doing It?. PLoS Biology, 2014, 12, e1001899.	5.6	916
2	Are all sex chromosomes created equal?. Trends in Genetics, 2011, 27, 350-357.	6.7	307
3	Running with the Red Queen: the role of biotic conflicts in evolution. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141382.	2.6	225
4	How to make a sex chromosome. Nature Communications, 2016, 7, 12087.	12.8	216
5	Evolution of alternative sex-determining mechanisms in teleost fishes. Biological Journal of the Linnean Society, 0, 87, 83-93.	1.6	207
6	Prevalence of sexual dimorphism in mammalian phenotypic traits. Nature Communications, 2017, 8, 15475.	12.8	200
7	Sexual selection drives evolution and rapid turnover of male gene expression. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4393-4398.	7.1	196
8	Sex Chromosomes and the Evolution of Sexual Dimorphism: Lessons from the Genome. American Naturalist, 2009, 173, 141-150.	2.1	183
9	EFFECTIVE POPULATION SIZE AND THE FASTER-X EFFECT: EMPIRICAL RESULTS AND THEIR INTERPRETATION. Evolution; International Journal of Organic Evolution, 2010, 64, 663-674.	2.3	181
10	Sex chromosome dosage compensation: definitely not for everyone. Trends in Genetics, 2013, 29, 677-683.	6.7	170
11	PHYLOGENETIC PERSPECTIVES IN THE EVOLUTION OF PARENTAL CARE IN RAY-FINNED FISHES. Evolution; International Journal of Organic Evolution, 2005, 59, 1570-1578.	2.3	147
12	The W, X, Y and Z of sex-chromosome dosage compensation. Trends in Genetics, 2009, 25, 226-233.	6.7	145
13	Transitions in sex determination and sex chromosomes across vertebrate species. Molecular Ecology, 2018, 27, 3950-3963.	3.9	143
14	Sex Chromosome Evolution: So Many Exceptions to the Rules. Genome Biology and Evolution, 2020, 12, 750-763.	2.5	138
15	Convergent recombination suppression suggests role of sexual selection in guppy sex chromosome formation. Nature Communications, 2017, 8, 14251.	12.8	128
16	The transcriptional architecture of phenotypic dimorphism. Nature Ecology and Evolution, 2017, 1, 6.	7.8	127
17	Faster-Z Evolution Is Predominantly Due to Genetic Drift. Molecular Biology and Evolution, 2010, 27, 661-670.	8.9	114
18	The Ontogeny and Evolution of Sex-Biased Gene Expression in Drosophila melanogaster. Molecular Biology and Evolution, 2014, 31, 1206-1219.	8.9	108

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19	Population genetics of sexual conflict in the genomic era. Nature Reviews Genetics, 2017, 18, 721-730.	16.3	106
20	Masculinization of Gene Expression Is Associated with Exaggeration of Male Sexual Dimorphism. PLoS Genetics, 2013, 9, e1003697.	3.5	105
21	Ontogenetic Complexity of Sexual Dimorphism and Sex-Specific Selection. Molecular Biology and Evolution, 2010, 27, 1570-1578.	8.9	99
22	Whole-genome resequencing reveals signatures of selection and timing of duck domestication. GigaScience, 2018, 7, .	6.4	86
23	Extreme heterogeneity in sex chromosome differentiation and dosage compensation in livebearers. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19031-19036.	7.1	79
24	SOME INCONVENIENT TRUTHS ABOUT SEX CHROMOSOME DOSAGE COMPENSATION AND THE POTENTIAL ROLE OF SEXUAL CONFLICT. Evolution; International Journal of Organic Evolution, 2011, 65, 2133-2144.	2.3	73
25	Inferring regulatory change from gene expression: the confounding effects of tissue scaling. Molecular Ecology, 2016, 25, 5114-5128.	3.9	70
26	Phylogenetic conservation of chromosome numbers in Actinopterygiian fishes. Genetica, 2006, 127, 321-327.	1.1	69
27	SEX-LINKAGE OF SEXUALLY ANTAGONISTIC GENES IS PREDICTED BY FEMALE, BUT NOT MALE, EFFECTS IN BIRDS. Evolution; International Journal of Organic Evolution, 2009, 63, 1464-1472.	2.3	67
28	Male-biased gene expression resolves sexual conflict through the evolution of sex-specific genetic architecture. Evolution Letters, 2018, 2, 52-61.	3.3	66
29	Trade-off Between Selection for Dosage Compensation and Masculinization on the Avian Z Chromosome. Genetics, 2012, 192, 1433-1445.	2.9	63
30	Are sex-biased genes more dispensable?. Biology Letters, 2009, 5, 409-412.	2.3	62
31	Female brain size affects the assessment of male attractiveness during mate choice. Science Advances, 2017, 3, e1601990.	10.3	61
32	Small but mighty: the evolutionary dynamics of W and Y sex chromosomes. Chromosome Research, 2012, 20, 21-33.	2.2	59
33	Compensation of Dosage-Sensitive Genes on the Chicken Z Chromosome. Genome Biology and Evolution, 2016, 8, 1233-1242.	2.5	57
34	Recent Sex Chromosome Divergence despite Ancient Dioecy in the Willow Salix viminalis. Molecular Biology and Evolution, 2017, 34, 1991-2001.	8.9	57
35	INDEPENDENT STRATUM FORMATION ON THE AVIAN SEX CHROMOSOMES REVEALS INTERâ€CHROMOSOMAL GENE CONVERSION AND PREDOMINANCE OF PURIFYING SELECTION ON THE W CHROMOSOME. Evolution; International Journal of Organic Evolution, 2014, 68, 3281-3295.	2.3	54
36	Positive Selection Underlies Faster-Z Evolution of Gene Expression in Birds. Molecular Biology and Evolution, 2015, 32, 2646-2656.	8.9	52

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37	Conflict on the Sex Chromosomes: Cause, Effect, and Complexity. Cold Spring Harbor Perspectives in Biology, 2014, 6, a017715-a017715.	5.5	49
38	The evolution of heterochiasmy: the role of sexual selection and sperm competition in determining sex-specific recombination rates in eutherian mammals. Genetical Research, 2009, 91, 355-363.	0.9	48
39	Evolution of dosage compensation under sexual selection differs between X and Z chromosomes. Nature Communications, 2015, 6, 7720.	12.8	47
40	Sex chromosomes and male ornaments: a comparative evaluation in ray-finned fishes. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 233-236.	2.6	43
41	COMPARATIVE PHYLOGENETIC ANALYSIS OF MALE ALTERNATIVE REPRODUCTIVE TACTICS IN RAY-FINNED FISHES. Evolution; International Journal of Organic Evolution, 2006, 60, 1311-1316.	2.3	39
42	Genome assembly of the basket willow, Salix viminalis, reveals earliest stages of sex chromosome expansion. BMC Biology, 2020, 18, 78.	3.8	39
43	Slow evolution of sexâ€biased genes in the reproductive tissue of the dioecious plant Salix viminalis. Molecular Ecology, 2018, 27, 694-708.	3.9	37
44	Detecting signatures of selection on gene expression. Nature Ecology and Evolution, 2022, 6, 1035-1045.	7.8	37
45	Individual organisms as units of analysis: Bayesian-clustering alternatives in population genetics. Genetical Research, 2004, 84, 135-143.	0.9	36
46	Sexâ€specific aging in animals: Perspective and future directions. Aging Cell, 2022, 21, e13542.	6.7	36
47	Phylogenetic perspectives in the evolution of parental care in ray-finned fishes. Evolution; International Journal of Organic Evolution, 2005, 59, 1570-8.	2.3	36
48	Guppy Y Chromosome Integrity Maintained by Incomplete Recombination Suppression. Genome Biology and Evolution, 2020, 12, 965-977.	2.5	34
49	Polyandry and sex-specific gene expression. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120047.	4.0	31
50	Early neurogenomic response associated with variation in guppy female mate preference. Nature Ecology and Evolution, 2018, 2, 1772-1781.	7.8	30
51	Shared and Species-Specific Patterns of Nascent Y Chromosome Evolution in Two Guppy Species. Genes, 2018, 9, 238.	2.4	29
52	Divergence and Remarkable Diversity of the Y Chromosome in Guppies. Molecular Biology and Evolution, 2021, 38, 619-633.	8.9	29
53	Extreme Y chromosome polymorphism corresponds to five male reproductive morphs of a freshwater fish. Nature Ecology and Evolution, 2021, 5, 939-948.	7.8	29
54	Phenotypic sexual dimorphism is associated with genomic signatures of resolved sexual conflict. Molecular Ecology, 2019, 28, 2860-2871.	3.9	28

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55	Expression change in Angiopoietin-1 underlies change in relative brain size in fish. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150872.	2.6	23
56	Cladogenetic correlates of genomic expansions in the recent evolution of actinopterygiian fishes. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 33-38.	2.6	22
57	Sexual conflict. Current Biology, 2019, 29, R451-R455.	3.9	22
58	Developmental mechanisms of sex differences: from cells to organisms. Development (Cambridge), 2021, 148, .	2.5	21
59	Sperm competition shapes gene expression and sequence evolution in the ocellated wrasse. Molecular Ecology, 2017, 26, 505-518.	3.9	20
60	Allele-Specific Expression Analysis Does Not Support Sex Chromosome Inactivation on the Chicken Z Chromosome. Genome Biology and Evolution, 2017, 9, 619-626.	2.5	18
61	Signature of sexual conflict is actually conflict resolved. Molecular Ecology, 2020, 29, 215-217.	3.9	14
62	Widespread cryptic variation in genetic architecture between the sexes. Evolution Letters, 2021, 5, 359-369.	3.3	13
63	Constraint and divergence in the evolution of male and female recombination rates in fishes. Evolution; International Journal of Organic Evolution, 2021, 75, 2857-2866.	2.3	13
64	On the power to detect rare recombination events. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12607-12608.	7.1	12
65	Rapid Evolution of Complete Dosage Compensation in Poecilia. Genome Biology and Evolution, 2021, 13, .	2.5	12
66	Comparative phylogenetic analysis of male alternative reproductive tactics in ray-finned fishes. Evolution; International Journal of Organic Evolution, 2006, 60, 1311-6.	2.3	12
67	Gene duplication to the Y chromosome in Trinidadian Guppies. Molecular Ecology, 2022, 31, 1853-1863.	3.9	11
68	High-resolution characterization of male ornamentation and re-evaluation of sex linkage in guppies. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201677.	2.6	10
69	Comparison of methodological approaches to the study of young sex chromosomes: A case study in Poecilia. Journal of Evolutionary Biology, 2022, 35, 1646-1658.	1.7	7
70	Different mating contexts lead to extensive rewiring of female brain coexpression networks in the guppy. Genes, Brain and Behavior, 2021, 20, e12697.	2.2	6
71	Deficit of Mitonuclear Genes on the Human X Chromosome Predates Sex Chromosome Formation. Genome Biology and Evolution, 2015, 7, 636-641.	2.5	5
72	Are plant and animal sex chromosomes really all that different?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, 20210218.	4.0	5

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73	Sexual Selection and Darwin's Mystery of Mysteries. Science, 2009, 326, 1639-1640.	12.6	3
74	Journal club. Nature, 2009, 461, 701-701.	27.8	0
75	A bioinformatic toolkit to simultaneously identify sex and sexâ€linked regions. Molecular Ecology Resources, 2021, , .	4.8	0