

Josefa González

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

3,482
citations

172457

29
h-index

189892

50
g-index

86
all docs

86
docs citations

86
times ranked

3641
citing authors

#	ARTICLE	IF	CITATIONS
1	The impact of transposable elements in environmental adaptation. <i>Molecular Ecology</i> , 2013, 22, 1503-1517.	3.9	464
2	High Rate of Recent Transposable Element-Induced Adaptation in <i>Drosophila melanogaster</i> . <i>PLoS Biology</i> , 2008, 6, e251.	5.6	176
3	Population Genomics of Transposable Elements in <i>Drosophila melanogaster</i> . <i>Molecular Biology and Evolution</i> , 2011, 28, 1633-1644.	8.9	160
4	Revisiting the Relationship between Transposable Elements and the Eukaryotic Stress Response. <i>Trends in Genetics</i> , 2017, 33, 832-841.	6.7	152
5	Secondary contact and local adaptation contribute to genome-wide patterns of clinal variation in <i>Drosophila melanogaster</i> . <i>Molecular Ecology</i> , 2016, 25, 1157-1174.	3.9	149
6	Population Genomics of Transposable Elements in <i>Drosophila</i> . <i>Annual Review of Genetics</i> , 2014, 48, 561-581.	7.6	144
7	Genome-Wide Patterns of Adaptation to Temperate Environments Associated with Transposable Elements in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2010, 6, e1000905.	3.5	137
8	Genomic Analysis of European <i>Drosophila melanogaster</i> Populations Reveals Longitudinal Structure, Continent-Wide Selection, and Previously Unknown DNA Viruses. <i>Molecular Biology and Evolution</i> , 2020, 37, 2661-2678.	8.9	104
9	A Transposable Element Insertion Confers Xenobiotic Resistance in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2014, 10, e1004560.	3.5	95
10	Empirical Validation of Pooled Whole Genome Population Re-Sequencing in <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2012, 7, e41901.	2.5	84
11	The adaptive role of transposable elements in the <i>Drosophila</i> genome. <i>Gene</i> , 2009, 448, 124-133.	2.2	82
12	The transposable element <i>Chel</i> mediates oxidative stress response in <i>Drosophila</i> . <i>Molecular Ecology</i> , 2014, 23, 2020-2030.	3.9	82
13	Adaptation through chromosomal inversions in <i>Anopheles</i> . <i>Frontiers in Genetics</i> , 2014, 5, 129.	2.3	75
14	Broad geographic sampling reveals the shared basis and environmental correlates of seasonal adaptation in <i>Drosophila</i> . <i>ELife</i> , 2021, 10, .	6.0	66
15	Stress response, behavior, and development are shaped by transposable element-induced mutations in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2019, 15, e1007900.	3.5	64
16	T-lex2: genotyping, frequency estimation and re-annotation of transposable elements using single or pooled next-generation sequencing data. <i>Nucleic Acids Research</i> , 2015, 43, e22-e22.	14.5	61
17	A Recent Adaptive Transposable Element Insertion Near Highly Conserved Developmental Loci in <i>Drosophila melanogaster</i> . <i>Molecular Biology and Evolution</i> , 2009, 26, 1949-1961.	8.9	58
18	Genomic adaptations to aquatic and aerial life in mayflies and the origin of insect wings. <i>Nature Communications</i> , 2020, 11, 2631.	12.8	57

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19	Transposable Elements Contribute to the Adaptation of <i>Arabidopsis thaliana</i> . <i>Genome Biology and Evolution</i> , 2018, 10, 2140-2150.	2.5	56
20	A new species in the major malaria vector complex sheds light on reticulated species evolution. <i>Scientific Reports</i> , 2019, 9, 14753.	3.3	56
21	T-lex: a program for fast and accurate assessment of transposable element presence using next-generation sequencing data. <i>Nucleic Acids Research</i> , 2011, 39, e36-e36.	14.5	53
22	Population-scale long-read sequencing uncovers transposable elements associated with gene expression variation and adaptive signatures in <i>Drosophila</i> . <i>Nature Communications</i> , 2022, 13, 1948.	12.8	53
23	Chromosomal Elements Evolve at Different Rates in the <i>Drosophila</i> Genome. <i>Genetics</i> , 2002, 161, 1137-1154.	2.9	51
24	A benchmark of transposon insertion detection tools using real data. <i>Mobile DNA</i> , 2019, 10, 53.	3.6	47
25	Multiple Independent Retroelement Insertions in the Promoter of a Stress Response Gene Have Variable Molecular and Functional Effects in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2016, 12, e1006249.	3.5	46
26	Population-specific dynamics and selection patterns of transposable element insertions in European natural populations. <i>Molecular Ecology</i> , 2019, 28, 1506-1522.	3.9	45
27	LOW OCCURRENCE OF GENE TRANSPOSITION EVENTS DURING THE EVOLUTION OF THE GENUS <i>DROSOPHILA</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 1325-1335.	2.3	42
28	Evolution of Genome Content: Population Dynamics of Transposable Elements in Flies and Humans. <i>Methods in Molecular Biology</i> , 2012, 855, 361-383.	0.9	41
29	Pogo-like Transposases Have Been Repeatedly Domesticated into CENP-B-Related Proteins. <i>Genome Biology and Evolution</i> , 2014, 6, 2008-2016.	2.5	38
30	<i>Drosophila</i> Evolution over Space and Time (DEST): A New Population Genomics Resource. <i>Molecular Biology and Evolution</i> , 2021, 38, 5782-5805.	8.9	37
31	Segmental Duplication, Microinversion, and Gene Loss Associated with a Complex Inversion Breakpoint Region in <i>Drosophila</i> . <i>Molecular Biology and Evolution</i> , 2012, 29, 1875-1889.	8.9	31
32	Bottlenecks, population differentiation and apparent selection at microsatellite loci in Australian <i>Drosophila buzzatii</i> . <i>Heredity</i> , 2009, 102, 389-401.	2.6	29
33	Stress affects the epigenetic marks added by natural transposable element insertions in <i>Drosophila melanogaster</i> . <i>Scientific Reports</i> , 2018, 8, 12197.	3.3	29
34	Diverse families of transposable elements affect the transcriptional regulation of stress-response genes in <i>Drosophila melanogaster</i> . <i>Nucleic Acids Research</i> , 2019, 47, 6842-6857.	14.5	29
35	Distinct genotypes and phenotypes in European and American strains of <i>Drosophila suzukii</i> : implications for biology and management of an invasive organism. <i>Journal of Pest Science</i> , 2020, 93, 77-89.	3.7	29
36	Inferring the Strength of Selection in <i>Drosophila</i> under Complex Demographic Models. <i>Molecular Biology and Evolution</i> , 2008, 26, 513-526.	8.9	28

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37	Molecular Characterization and Chromosomal Distribution of Galileo, Kepler and Newton, Three Foldback Transposable Elements of the <i>Drosophila buzzatii</i> Species Complex. Sequence data from this article have been deposited in the EMBL/GenBank Data Libraries under accession nos. AY756161, AY756162, AY756163, AY756164, AY756165, AY756166, AY756167, AY756168, AY756169, AY756170.. <i>Genetics</i> , 2005, 169, 2047-2059.	2.9	27
38	Testing Chromosomal Phylogenies and Inversion Breakpoint Reuse in <i>Drosophila</i> . <i>Genetics</i> , 2007, 175, 167-177.	2.9	27
39	Transposable elements contribute to the genomic response to insecticides in <i>Drosophila melanogaster</i> . <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190341.	4.0	27
40	The discovery, distribution, and diversity of DNA viruses associated with <i>Drosophila melanogaster</i> in Europe. <i>Virus Evolution</i> , 2021, 7, veab031.	4.9	25
41	Exploring the Phenotypic Space and the Evolutionary History of a Natural Mutation in <i>Drosophila melanogaster</i> . <i>Molecular Biology and Evolution</i> , 2015, 32, 1800-1814.	8.9	24
42	Beyond <i>scn</i> SNPs: how to detect selection on transposable element insertions. <i>Methods in Ecology and Evolution</i> , 2017, 8, 728-737.	5.2	23
43	Genome-wide patterns of local adaptation in Western European <i>Drosophila melanogaster</i> natural populations. <i>Scientific Reports</i> , 2018, 8, 16143.	3.3	22
44	Regulatory regions in natural transposable element insertions drive interindividual differences in response to immune challenges in <i>Drosophila</i> . <i>Genome Biology</i> , 2021, 22, 265.	8.8	22
45	A BAC-based physical map of the <i>Drosophila buzzatii</i> genome. <i>Genome Research</i> , 2005, 15, 885-889.	5.5	21
46	Nonadaptive Explanations for Signatures of Partial Selective Sweeps in <i>Drosophila</i> . <i>Molecular Biology and Evolution</i> , 2008, 25, 1025-1042.	8.9	21
47	New Insights on the Evolution of Genome Content: Population Dynamics of Transposable Elements in Flies and Humans. <i>Methods in Molecular Biology</i> , 2019, 1910, 505-530.	0.9	21
48	Benchmarking the performance of Pool-seq SNP callers using simulated and real sequencing data. <i>Molecular Ecology Resources</i> , 2021, 21, 1216-1229.	4.8	19
49	Abundance and chromosomal distribution of six <i>Drosophila buzzatii</i> transposons: BuT1, BuT2, BuT3, BuT4, BuT5, and BuT6. <i>Chromosoma</i> , 2006, 115, 403-412.	2.2	17
50	MITEs – The Ultimate Parasites. <i>Science</i> , 2009, 325, 1352-1353.	12.6	17
51	Temperature, rainfall and wind variables underlie environmental adaptation in natural populations of <i>Drosophila melanogaster</i> . <i>Molecular Ecology</i> , 2021, 30, 938-954.	3.9	15
52	Duplicative and Conservative Transpositions of Larval serum protein 1 Genes in the Genus <i>Drosophila</i> . Sequence data from this article have been deposited with the EMBL/GenBank Data Libraries under accession nos. AY561258 and AY561259.. <i>Genetics</i> , 2004, 168, 253-264.	2.9	12
53	Cloning and sequencing of the breakpoint regions of inversion 5g fixed in <i>Drosophila buzzatii</i> . <i>Chromosoma</i> , 2009, 118, 349-360.	2.2	12
54	LOW OCCURRENCE OF GENE TRANSPOSITION EVENTS DURING THE EVOLUTION OF THE GENUS <i>DROSOPHILA</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 1325.	2.3	11

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55	Polymorphic Inversions Underlie the Shared Genetic Susceptibility of Obesity-Related Diseases. <i>American Journal of Human Genetics</i> , 2020, 106, 846-858.	6.2	11
56	<i>T-lex3</i> : an accurate tool to genotype and estimate population frequencies of transposable elements using the latest short-read whole genome sequencing data. <i>Bioinformatics</i> , 2020, 36, 1191-1197.	4.1	10
57	Molecular organization of the <i>Drosophila melanogaster</i> Adh chromosomal region in <i>D. repleta</i> and <i>D. buzzatii</i> , two distantly related species of the <i>Drosophila</i> subgenus. <i>Chromosome Research</i> , 2000, 8, 375-385.	2.2	9
58	Natural and laboratory mutations in <i>kuzbanian</i> are associated with zinc stress phenotypes in <i>Drosophila melanogaster</i> . <i>Scientific Reports</i> , 2017, 7, 42663.	3.3	9
59	A unique cluster of roo insertions in the promoter region of a stress response gene in <i>Drosophila melanogaster</i> . <i>Mobile DNA</i> , 2019, 10, 10.	3.6	8
60	Evolutionary insights from large scale resequencing datasets in <i>Drosophila melanogaster</i> . <i>Current Opinion in Insect Science</i> , 2019, 31, 70-76.	4.4	8
61	The Dominance Effect of the Adaptive Transposable Element Insertion <i>Bari-Jeh</i> Depends on the Genetic Background. <i>Genome Biology and Evolution</i> , 2015, 7, 1260-1266.	2.5	7
62	Transposable element variants and their potential adaptive impact in urban populations of the malaria vector <i>Anopheles coluzzii</i> . <i>Genome Research</i> , 2022, 32, 189-202.	5.5	5
63	Identifying chromosomal subpopulations based on their recombination histories advances the study of the genetic basis of phenotypic traits. <i>Genome Research</i> , 2020, 30, 1802-1814.	5.5	4
64	Lack of population differentiation patterns of previously identified putatively adaptive transposable element insertions at microgeographic scales. <i>Biology Direct</i> , 2015, 10, 50.	4.6	3
65	Transposable Elements in <i>Anopheles</i> Species: Refining Annotation Strategies Towards Population Genomics Analyses. <i>Population Genomics</i> , 2020, , 1.	0.5	1