

Aurora Garcia-Dorado Garcia

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,766
citations

331670

21
h-index

315739

38
g-index

60
all docs

60
docs citations

60
times ranked

1492
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding Inbreeding Depression, Purging, and Genetic Rescue. <i>Trends in Ecology and Evolution</i> , 2016, 31, 940-952.	8.7	400
2	Properties of spontaneous mutations affecting quantitative traits. <i>Genetical Research</i> , 1999, 74, 341-350.	0.9	118
3	Allelic Diversity and Its Implications for the Rate of Adaptation. <i>Genetics</i> , 2013, 195, 1373-1384.	2.9	91
4	Understanding and Predicting the Fitness Decline of Shrunk Populations: Inbreeding, Purging, Mutation, and Standard Selection. <i>Genetics</i> , 2012, 190, 1461-1476.	2.9	89
5	The Rate of Mutation and the Homozygous and Heterozygous Mutational Effects for Competitive Viability: A Long-Term Experiment With <i>Drosophila melanogaster</i> . <i>Genetics</i> , 2001, 158, 681-693.	2.9	57
6	THE GENETICS OF VIABILITY IN <i>DROSOPHILA MELANOGASTER</i> : EFFECTS OF INBREEDING AND ARTIFICIAL SELECTION. <i>Evolution; International Journal of Organic Evolution</i> , 1994, 48, 1277-1285.	2.3	50
7	Neutral genetic diversity as a useful tool for conservation biology. <i>Conservation Genetics</i> , 2021, 22, 541-545.	1.5	49
8	ON THE PERSISTENCE AND PERVASIVENESS OF A NEW MUTATION. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 2644-2646.	2.3	46
9	The Rate and Effects Distribution of Viability Mutation in <i>Drosophila</i> : Minimum Distance Estimation. <i>Evolution; International Journal of Organic Evolution</i> , 1997, 51, 1130.	2.3	44
10	THE RATE AND EFFECTS DISTRIBUTION OF VIABILITY MUTATION IN <i>DROSOPHILA</i> : MINIMUM DISTANCE ESTIMATION. <i>Evolution; International Journal of Organic Evolution</i> , 1997, 51, 1130-1139.	2.3	41
11	On the consequences of ignoring purging on genetic recommendations for minimum viable population rules. <i>Heredity</i> , 2015, 115, 185-187.	2.6	34
12	Increase of the Spontaneous Mutation Rate in a Long-Term Experiment With <i>Drosophila melanogaster</i> . <i>Genetics</i> , 2006, 173, 267-277.	2.9	32
13	Purging of deleterious burden in the endangered Iberian lynx. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2110614119.	7.1	32
14	Population genetics: Surviving under mutation pressure. <i>Current Biology</i> , 1998, 8, R235-R237.	3.9	31
15	Estimation of genetic purging under competitive conditions. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 1856-1870.	2.3	31
16	Tolerant versus sensitive genomes: The impact of deleterious mutation on fitness and conservation. <i>Conservation Genetics</i> , 2003, 4, 311-324.	1.5	30
17	Title is missing!. <i>Genetica</i> , 1998, 102/103, 255-265.	1.1	29
18	The Genetics of Viability in <i>Drosophila melanogaster</i> : Effects of Inbreeding and Artificial Selection. <i>Evolution; International Journal of Organic Evolution</i> , 1994, 48, 1277.	2.3	27

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19	The effects of spontaneous mutation on competitive fitness in <i>Drosophila melanogaster</i> . <i>Journal of Evolutionary Biology</i> , 2002, 15, 561-566.	1.7	24
20	Shortcut Predictions for Fitness Properties at the Mutation-Selection-Drift Balance and for Its Buildup After Size Reduction Under Different Management Strategies. <i>Genetics</i> , 2007, 176, 983-997.	2.9	24
21	On the Use of the Classical Tests for Detecting Linkage. <i>Journal of Heredity</i> , 1992, 83, 143-146.	2.4	23
22	The purge of genetic load through restricted panmixia in a <i>Drosophila</i> experiment. <i>Journal of Evolutionary Biology</i> , 2010, 23, 1937-1946.	1.7	23
23	The Effect of Niche Preference on Polymorphism Protection in a Heterogeneous Environment. <i>Evolution; International Journal of Organic Evolution</i> , 1986, 40, 936.	2.3	22
24	On the Consequences of Purging and Linkage on Fitness and Genetic Diversity. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 171-181.	1.8	22
25	Polymorphism from environmental heterogeneity: Some features of genetically induced niche preference. <i>Theoretical Population Biology</i> , 1987, 32, 66-75.	1.1	21
26	Temporal uniformity of the spontaneous mutational variance of quantitative traits in <i>Drosophila melanogaster</i> . <i>Genetical Research</i> , 2000, 75, 47-51.	0.9	21
27	A Simple Method to Account for Natural Selection When Predicting Inbreeding Depression. <i>Genetics</i> , 2008, 180, 1559-1566.	2.9	21
28	The Action of Purifying Selection, Mutation and Drift on Fitness Epistatic Systems. <i>Genetics</i> , 2009, 183, 299-313.	2.9	21
29	Long-term exhaustion of the inbreeding load in <i>Drosophila melanogaster</i> . <i>Heredity</i> , 2021, 127, 373-383.	2.6	20
30	Soft selection and quantitative genetic variation: a laboratory experiment. <i>Heredity</i> , 1991, 66, 313-323.	2.6	19
31	STABILIZING SELECTION DETECTED FOR BRISTLE NUMBER IN <i>DROSOPHILA MELANOGASTER</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1996, 50, 1573-1578.	2.3	19
32	On the genetic parameter determining the efficiency of purging: an estimate for <i>Drosophila</i> egg-to-pupae viability. <i>Journal of Evolutionary Biology</i> , 2013, 26, 375-385.	1.7	19
33	Reviewing the consequences of genetic purging on the success of rescue programs. <i>Conservation Genetics</i> , 2022, 23, 1-17.	1.5	19
34	Stabilizing Selection Detected for Bristle Number in <i>Drosophila melanogaster</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1996, 50, 1573.	2.3	17
35	The mutational rate of <i>Drosophila</i> viability decline: tinkering with old data. <i>Genetical Research</i> , 2002, 80, 99-105.	0.9	15
36	THE BUILD UP OF MUTATION-SELECTION-DRIFT BALANCE IN LABORATORY <i>DROSOPHILA</i> POPULATIONS. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 61, 653-665.	2.3	15

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37	Analysis of the Estimators of the Average Coefficient of Dominance of Deleterious Mutations. <i>Genetics</i> , 2004, 168, 1053-1069.	2.9	14
38	Predictive Model and Software for Inbreeding-Purging Analysis of Pedigreed Populations. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 3593-3601.	1.8	14
39	Detection of genetic purging and predictive value of purging parameters estimated in pedigreed populations. <i>Heredity</i> , 2018, 121, 38-51.	2.6	12
40	Comparing Analysis Methods for Mutation-Accumulation Data: A Simulation Study. <i>Genetics</i> , 2003, 164, 807-819.	2.9	12
41	Some evolutionary properties of parental investment per offspring in a heterogeneous environment. <i>Journal of Theoretical Biology</i> , 1990, 147, 101-114.	1.7	11
42	The Effect of Antagonistic Pleiotropy on the Estimation of the Average Coefficient of Dominance of Deleterious Mutations. <i>Genetics</i> , 2005, 171, 2097-2112.	2.9	11
43	THE ACTION OF STABILIZING SELECTION, MUTATION, AND DRIFT ON EPISTATIC QUANTITATIVE TRAITS. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 1974-1987.	2.3	11
44	A measure of the within-chromosome synergistic epistasis for <i>Drosophila</i> viability. <i>Journal of Evolutionary Biology</i> , 2005, 18, 1130-1137.	1.7	10
45	The Dynamics of the <i>roo</i> Transposable Element In Mutation-Accumulation Lines and Segregating Populations of <i>Drosophila melanogaster</i> . <i>Genetics</i> , 2007, 177, 511-522.	2.9	10
46	Regeneration of the variance of metric traits by spontaneous mutation in a <i>Drosophila</i> population. <i>Genetical Research</i> , 2010, 92, 91-102.	0.9	10
47	The consequences on fitness of equating family contributions: inferences from a <i>drosophila</i> experiment. <i>Conservation Genetics</i> , 2011, 12, 343-353.	1.5	9
48	Genetic purging in captive endangered ungulates with extremely low effective population sizes. <i>Heredity</i> , 2021, 127, 433-442.	2.6	9
49	Accumulation of lethals in highly selected lines of <i>Drosophila melanogaster</i> . <i>Theoretical and Applied Genetics</i> , 1983, 66-66, 221-223.	3.6	7
50	THE EFFECT OF SOFT SELECTION ON THE VARIABILITY OF A QUANTITATIVE TRAIT. <i>Evolution; International Journal of Organic Evolution</i> , 1990, 44, 168-179.	2.3	7
51	ON THE PERSISTENCE AND PERVASIVENESS OF A NEW MUTATION. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 2644.	2.3	7
52	An explicit model for the inbreeding load in the evolutionary analysis of selfing. <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 1381-1389.	2.3	4
53	Maximum Likelihood vs. Minimum Distance. <i>Genetics</i> , 2004, 168, 1085-1086.	2.9	3
54	The fuel of evolution. <i>Heredity</i> , 2011, 106, 535-536.	2.6	3

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55	Balanced polymorphism at the selection limit in <i>Drosophila melanogaster</i> . <i>Journal of Heredity</i> , 1987, 78, 110-111.	2.4	2
56	The Effect of Soft Selection on the Variability of a Quantitative Trait. <i>Evolution; International Journal of Organic Evolution</i> , 1990, 44, 168.	2.3	2
57	Inferences on the Role of Insertion in a Mutation Accumulation Experiment with <i>Drosophila melanogaster</i> Using RAPDs. <i>Journal of Heredity</i> , 2005, 96, 576-581.	2.4	1
58	Optimum selection strategies: studies with <i>Drosophila melanogaster</i> . <i>Genetical Research</i> , 1985, 46, 101-105.	0.9	0