Aurora Garcia-Dorado Garcia

List of Publications by Year
in descending order

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	Reviewing the consequences of genetic purging on the success of rescue programs. Conservation Genetics, 2022, 23, 1-17.	1.5	19
2	Purging of deleterious burden in the endangered Iberian lynx. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2110614119.	7.1	32
3	Neutral genetic diversity as a useful tool for conservation biology. Conservation Genetics, 2021, 22, 541-545.	1.5	49
4	Long-term exhaustion of the inbreeding load in Drosophila melanogaster. Heredity, 2021, 127, 373-383.	2.6	20
5	Genetic purging in captive endangered ungulates with extremely low effective population sizes. Heredity, 2021, 127, 433-442.	2.6	9
6	Detection of genetic purging and predictive value of purging parameters estimated in pedigreed populations. Heredity, 2018, 121, 38-51.	2.6	12
7	An explicit model for the inbreeding load in the evolutionary analysis of selfing. Evolution; International Journal of Organic Evolution, 2017, 71, 1381-1389.	2.3	4
8	Estimation of genetic purging under competitive conditions. Evolution; International Journal of Organic Evolution, 2016, 70, 1856-1870.	2.3	31
9	On the Consequences of Purging and Linkage on Fitness and Genetic Diversity. G3: Genes, Genomes, Genetics, 2016, 6, 171-181.	1.8	22
10	Predictive Model and Software for Inbreeding-Purging Analysis of Pedigreed Populations. G3: Genes, Genomes, Genetics, 2016, 6, 3593-3601.	1.8	14
11	Understanding Inbreeding Depression, Purging, and Genetic Rescue. Trends in Ecology and Evolution, 2016, 31, 940-952.	8.7	400
12	On the consequences of ignoring purging on genetic recommendations for minimum viable population rules. Heredity, 2015, 115, 185-187.	2.6	34
13	THE ACTION OF STABILIZING SELECTION, MUTATION, AND DRIFT ON EPISTATIC QUANTITATIVE TRAITS. Evolution; International Journal of Organic Evolution, 2014, 68, 1974-1987.	2.3	11
14	On the genetic parameter determining the efficiency of purging: an estimate for <scp>D</scp>rosophila eggâ€toâ€pupae viability. Journal of Evolutionary Biology, 2013, 26, 375-385.	1.7	19
15	Allelic Diversity and Its Implications for the Rate of Adaptation. Genetics, 2013, 195, 1373-1384.	2.9	91
16	Understanding and Predicting the Fitness Decline of Shrunk Populations: Inbreeding, Purging, Mutation, and Standard Selection. Genetics, 2012, 190, 1461-1476.	2.9	89
17	The fuel of evolution. Heredity, 2011, 106, 535-536.	2.6	3
18	The consequences on fitness of equating family contributions: inferences from a drosophila experiment. Conservation Genetics, 2011, 12, 343-353.	1.5	9

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19	The purge of genetic load through restricted panmixia in a Drosophila experiment. Journal of Evolutionary Biology, 2010, 23, 1937-1946.	1.7	23
20	Regeneration of the variance of metric traits by spontaneous mutation in aDrosophilapopulation. Genetical Research, 2010, 92, 91-102.	0.9	10
21	The Action of Purifying Selection, Mutation and Drift on Fitness Epistatic Systems. Genetics, 2009, 183, 299-313.	2.9	21
22	A Simple Method to Account for Natural Selection When Predicting Inbreeding Depression. Genetics, 2008, 180, 1559-1566.	2.9	21
23	Shortcut Predictions for Fitness Properties at the Mutationâ€“Selectionâ€“Drift Balance and for Its Buildup After Size Reduction Under Different Management Strategies. Genetics, 2007, 176, 983-997.	2.9	24
24	The Dynamics of therooTransposable Element In Mutation-Accumulation Lines and Segregating Populations ofDrosophila melanogaster. Genetics, 2007, 177, 511-522.	2.9	10
25	THE BUILD UP OF MUTATION?SELECTION? DRIFT BALANCE IN LABORATORY DROSOPHILA POPULATIONS. Evolution; International Journal of Organic Evolution, 2007, 61, 653-665.	2.3	15
26	Increase of the Spontaneous Mutation Rate in a Long-Term Experiment With Drosophila melanogaster. Genetics, 2006, 173, 267-277.	2.9	32
27	A measure of the within-chromosome synergistic epistasis for Drosophila viability. Journal of Evolutionary Biology, 2005, 18, 1130-1137.	1.7	10
28	Inferences on the Role of Insertion in a Mutation Accumulation Experiment with Drosophila melanogaster Using RAPDs. Journal of Heredity, 2005, 96, 576-581.	2.4	1
29	The Effect of Antagonistic Pleiotropy on the Estimation of the Average Coefficient of Dominance of Deleterious Mutations. Genetics, 2005, 171, 2097-2112.	2.9	11
30	Maximum Likelihood vs. Minimum Distance. Genetics, 2004, 168, 1085-1086.	2.9	3
31	Analysis of the Estimators of the Average Coefficient of Dominance of Deleterious Mutations. Genetics, 2004, 168, 1053-1069.	2.9	14
32	Tolerant versus sensitive genomes: The impact of deleterious mutation on fitness and conservation. Conservation Genetics, 2003, 4, 311-324.	1.5	30
33	ON THE PERSISTENCE AND PERVASIVENESS OF A NEW MUTATION. Evolution; International Journal of Organic Evolution, 2003, 57, 2644-2646.	2.3	46
34	ON THE PERSISTENCE AND PERVASIVENESS OF A NEW MUTATION. Evolution; International Journal of Organic Evolution, 2003, 57, 2644.	2.3	7
35	Comparing Analysis Methods for Mutation-Accumulation Data: A Simulation Study. Genetics, 2003, 164, 807-819.	2.9	12
36	The mutational rate of Drosophila viability decline: tinkering with old data. Genetical Research, 2002, 80, 99-105.	0.9	15

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37	The effects of spontaneous mutation on competitive fitness inDrosophila melanogaster. Journal of Evolutionary Biology, 2002, 15, 561-566.	1.7	24
38	The Rate of Mutation and the Homozygous and Heterozygous Mutational Effects for Competitive Viability: A Long-Term Experiment With Drosophila melanogaster. Genetics, 2001, 158, 681-693.	2.9	57
39	Temporal uniformity of the spontaneous mutational variance of quantitative traits in Drosophila melanogaster. Genetical Research, 2000, 75, 47-51.	0.9	21
40	Properties of spontaneous mutations affecting quantitative traits. Genetical Research, 1999, 74, 341-350.	0.9	118
41	Title is missing!. Genetica, 1998, 102/103, 255-265.	1.1	29
42	Population genetics: Surviving under mutation pressure. Current Biology, 1998, 8, R235-R237.	3.9	31
43	The Rate and Effects Distribution of Viability Mutation in Drosophila: Minimum Distance Estimation. Evolution; International Journal of Organic Evolution, 1997, 51, 1130.	2.3	44
44	THE RATE AND EFFECTS DISTRIBUTION OF VIABILITY MUTATION IN DROSOPHILA : MINIMUM DISTANCE ESTIMATION. Evolution; International Journal of Organic Evolution, 1997, 51, 1130-1139.	2.3	41
45	Stabilizing Selection Detected for Bristle Number in Drosophila melanogaster. Evolution; International Journal of Organic Evolution, 1996, 50, 1573.	2.3	17
46	STABILIZING SELECTION DETECTED FOR BRISTLE NUMBER IN DROSOPHILA MELANOGASTER. Evolution; International Journal of Organic Evolution, 1996, 50, 1573-1578.	2.3	19
47	The Genetics of Viability in Drosophila melanogaster: Effects of Inbreeding and Artificial Selection. Evolution; International Journal of Organic Evolution, 1994, 48, 1277.	2.3	27
48	THE GENETICS OF VIABILITY IN DROSOPHILA MELANOGASTER : EFFECTS OF INBREEDING AND ARTIFICIAL SELECTION. Evolution; International Journal of Organic Evolution, 1994, 48, 1277-1285.	2.3	50
49	On the Use of the Classical Tests for Detecting Linkage. Journal of Heredity, 1992, 83, 143-146.	2.4	23
50	Soft selection and quantitative genetic variation: a laboratory experiment. Heredity, 1991, 66, 313-323.	2.6	19
51	THE EFFECT OF SOFT SELECTION ON THE VARIABILITY OF A QUANTITATIVE TRAIT. Evolution; International Journal of Organic Evolution, 1990, 44, 168-179.	2.3	7
52	Some evolutionary properties of parental investment per offspring in a heterogeneous environment. Journal of Theoretical Biology, 1990, 147, 101-114.	1.7	11
53	The Effect of Soft Selection on the Variability of a Quantitative Trait. Evolution; International Journal of Organic Evolution, 1990, 44, 168.	2.3	2
54	Balanced polymorphism at the selection limit in Drosophila melanogaster. Journal of Heredity, 1987, 78, 110-111.	2.4	2

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55	Polymorphism from environmental heterogeneity: Some features of genetically induced niche preference. Theoretical Population Biology, 1987, 32, 66-75.	1.1	21
56	The Effect of Niche Preference on Polymorphism Protection in a Heterogeneous Environment. Evolution; International Journal of Organic Evolution, 1986, 40, 936.	2.3	22
57	Optimum selection strategies: studies with Drosophila melanogaster. Genetical Research, 1985, 46, 101-105.	0.9	0
58	Accumulation of lethals in highly selected lines of Drosophila melanogaster. Theoretical and Applied Genetics, 1983, 66-66, 221-223.	3.6	7