Ricardo B R Azevedo

List of Publications by Year
in descending order

40 papers	2,507 citations	304743 22 h-index	289244 40 g-index
51 all docs	51 docs citations	51 times ranked	2562 citing authors

#	Article	IF	Citations
1	Historical Contingency Causes Divergence in Adaptive Expression of the lac Operon. Molecular Biology and Evolution, 2021, 38, 2869-2879.	8.9	6
2	A branching process model of evolutionary rescue. Mathematical Biosciences, 2021, 341, 108708.	1.9	1
3	Population structure promotes the evolution of costly sex in artificial gene networks. Evolution; International Journal of Organic Evolution, 2019, 73, 1089-1100.	2.3	4
4	Influence of Electronâ€“Holes on DNA Sequence-Specific Mutation Rates. Genome Biology and Evolution, 2018, 10, 1039-1047.	2.5	12
5	accuMUlate: a mutation caller designed for mutation accumulation experiments. Bioinformatics, 2018, 34, 2659-2660.	4.1	11
6	The Evolution of Small-RNA-Mediated Silencing of an Invading Transposable Element. Genome Biology and Evolution, 2018, 10, 3038-3057.	2.5	32
7	Correlated Selection on Amino Acid Deletion and Replacement in Mammalian Protein Sequences. Journal of Molecular Evolution, 2018, 86, 365-378.	1.8	1
8	Spiraling Complexity: A Test of the Snowball Effect in a Computational Model of RNA Folding. Genetics, 2017, 206, 377-388.	2.9	25
9	Low Base-Substitution Mutation Rate in the Germline Genome of the CiliateTetrahymena thermophil. Genome Biology and Evolution, 2016, 8, evw223.	2.5	38
10	An Evolving Genetic Architecture Interacts with Hillâ€“Robertson Interference to Determine the Benefit of Sex. Genetics, 2016, 203, 923-936.	2.9	20
11	An Evolutionary Classification of Genomic Function. Genome Biology and Evolution, 2015, 7, 642-645.	2.5	73
12	Accumulation of Spontaneous Mutations in the Ciliate Tetrahymena thermophila. Genetics, 2013, 195, 527-540.	2.9	22
13	On the Immortality of Television Sets: "Function" in the Human Genome According to the Evolution-Free Gospel of ENCODE. Genome Biology and Evolution, 2013, 5, 578-590.	2.5	427
14	Estimation of the rate and effect of new beneficial mutations in asexual populations. Theoretical Population Biology, 2012, 81, 168-178.	1.1	16
15	SEX RATIO EVOLUTION UNDER PROBABILISTIC SEX DETERMINATION. Evolution; International Journal of Organic Evolution, 2011, 65, 2050-2060.	2.3	17
16	Developmental motifs reveal complex structure in cell lineages. Complexity, 2011, 16, 48-57.	1.6	10
17	Neutral Evolution of Robustness in Drosophila microRNA Precursors. Molecular Biology and Evolution, 2011, 28, 2115-2123.	8.9	23
18	Redundancy and the Evolution of Cis-Regulatory Element Multiplicity. PLoS Computational Biology, 2010, 6, e1000848.	3.2	20

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19	Genetic Architecture and the Evolution of Sex. Journal of Heredity, 2010, 101, S142-S157.	2.4	24
20	Networking networks. Evolution & Development, 2008, 10, 514-515.	2.0	2
21	npr-1 Regulates Foraging and Dispersal Strategies in Caenorhabditis elegans. Current Biology, 2008, 18, 1694-1699.	3.9	78
22	A generative bias towards average complexity in artificial cell lineages. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 1741-1751.	2.6	12
23	Sexual reproduction selects for robustness and negative epistasis in artificial gene networks. Nature, 2006, 440, 87-90.	27.8	211
24	The simplicity of metazoan cell lineages. Nature, 2005, 433, 152-156.	27.8	39
25	Global Regulation of Hox Gene Expression in C. elegans by a SAM Domain Protein. Developmental Cell, 2003, 4, 903-915.	7.0	50
26	Temperature modulates epidermal cell size in Drosophila melanogaster. Journal of Insect Physiology, 2002, 48, 231-237.	2.0	105
27	A novel mode of ecdysozoan growth in Caenorhabditis elegans. Evolution & Development, 2002, 4, 16-27.	2.0	82
28	Spontaneous Mutational Variation for Body Size in Caenorhabditis elegans. Genetics, 2002, 162, 755-765.	2.9	67
29	TESTING LIFE-HISTORY PLEIOTROPY IN CAENORHABDITIS ELEGANS. Evolution; International Journal of Organic Evolution, 2001, 55, 1795-1804.	2.3	37
30	A power law for cells. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 5699-5704.	7.1	46
31	Adaptation and constraint in the evolution of Drosophila melanogaster wing shape. Evolution & Development, 2000, 2, 114-124.	2.0	117
32	Cellular basis of wing size variation in Drosophila melanogaster: a comparison of latitudinal clines on two continents. Heredity, 2000, 84, 338-347.	2.6	89
33	The demise of the Platonic worm. Nematology, 2000, 2, 71-79.	0.6	12
34	Variable cell number in nematodes. Nature, 1999, 402, 253-253.	27.8	66
35	Latitudinal Variation of Wing: Thorax Size Ratio and Wing-Aspect Ratio in Drosophila melanogaster. Evolution; International Journal of Organic Evolution, 1998, 52, 1353.	2.3	62
36	LATITUDINAL VARIATION OF WING:THORAX SIZE RATIO AND WING-ASPECT RATIO INDROSOPHILA MELANOGASTER. Evolution; International Journal of Organic Evolution, 1998, 52, 1353-1362.	2.3	102

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37	Lifeâ€History Consequences of Egg Size inDrosophila Melanogaster. American Naturalist, 1997, 150, 250-282.	2.1	131
38	Genetic and Environmental Responses to Temperature of Drosophila melanogaster From a Latitudinal Cline. Genetics, 1997, 146, 881-890.	2.9	219
39	Thermal Evolution of Egg Size in Drosophila melanogaster. Evolution; International Journal of Organic Evolution, 1996, 50, 2338.	2.3	77
40	THERMAL EVOLUTION OF EGG SIZE INDROSOPHILA MELANOGASTER. Evolution; International Journal of Organic Evolution, 1996, 50, 2338-2345.	2.3	111