

Hiroshi Akashi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/155782/publications.pdf>

Version: 2024-02-01

18
papers

3,987
citations

567281

15
h-index

888059

17
g-index

37
all docs

37
docs citations

37
times ranked

5003
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of genes and genomes on the <i>Drosophila</i> phylogeny. <i>Nature</i> , 2007, 450, 203-218.	27.8	1,886
2	Metabolic efficiency and amino acid composition in the proteomes of <i>Escherichia coli</i> and <i>Bacillus subtilis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 3695-3700.	7.1	580
3	Molecular Evolution Between <i>Drosophila melanogaster</i> and <i>D. simulans</i> Reduced Codon Bias, Faster Rates of Amino Acid Substitution, and Larger Proteins in <i>D. melanogaster</i> . <i>Genetics</i> , 1996, 144, 1297-1307.	2.9	224
4	Translational Selection and Yeast Proteome Evolution. <i>Genetics</i> , 2003, 164, 1291-1303.	2.9	217
5	Mitochondrial-Nuclear Interactions and Accelerated Compensatory Evolution: Evidence from the Primate Cytochrome c Oxidase Complex. <i>Molecular Biology and Evolution</i> , 2012, 29, 337-346.	8.9	203
6	Natural Selection and the Frequency Distributions of Silent DNA Polymorphism in <i>Drosophila</i> . <i>Genetics</i> , 1997, 146, 295-307.	2.9	188
7	Inferring the Fitness Effects of DNA Mutations From Polymorphism and Divergence Data: Statistical Power to Detect Directional Selection Under Stationarity and Free Recombination. <i>Genetics</i> , 1999, 151, 221-238.	2.9	147
8	Weak Selection and Protein Evolution. <i>Genetics</i> , 2012, 192, 15-31.	2.9	124
9	Within- and between-species DNA sequence variation and the footprint of natural selection. <i>Gene</i> , 1999, 238, 39-51.	2.2	119
10	Molecular Phylogeny of the <i>Drosophila melanogaster</i> Species Subgroup. <i>Journal of Molecular Evolution</i> , 2003, 57, 562-573.	1.8	74
11	Mutation pressure, natural selection, and the evolution of base composition in <i>Drosophila</i> . <i>Genetica</i> , 1998, 102/103, 49-60.	1.1	65
12	Molecular Evolution in the <i>Drosophila melanogaster</i> Species Subgroup: Frequent Parameter Fluctuations on the Timescale of Molecular Divergence. <i>Genetics</i> , 2006, 172, 1711-1726.	2.9	44
13	Evaluation of Ancestral Sequence Reconstruction Methods to Infer Nonstationary Patterns of Nucleotide Substitution. <i>Genetics</i> , 2015, 200, 873-890.	2.9	37
14	Ancestral Inference and the Study of Codon Bias Evolution: Implications for Molecular Evolutionary Analyses of the <i>Drosophila melanogaster</i> Subgroup. <i>PLoS ONE</i> , 2007, 2, e1065.	2.5	31
15	Codon Usage Selection Can Bias Estimation of the Fraction of Adaptive Amino Acid Fixations. <i>Molecular Biology and Evolution</i> , 2016, 33, 1580-1589.	8.9	21
16	Distinguishing the Effects of Mutational Biases and Natural Selection on DNA Sequence Variation. <i>Genetics</i> , 1997, 147, 1989-1991.	2.9	14
17	Assembly constraints drive co-evolution among ribosomal constituents. <i>Nucleic Acids Research</i> , 2015, 43, 5352-5363.	14.5	13
18	Distinguishing Among Evolutionary Forces Acting on Genome-Wide Base Composition: Computer Simulation Analysis of Approximate Methods for Inferring Site Frequency Spectra of Derived Mutations. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 1755-1769.	1.8	0