Brian R Morton

List of Publications by Year
in descending order

20 papers	1,084 citations	623574 14 h-index	794469 19 g-index
20 all docs	20 docs citations	20 times ranked	1306 citing authors

#	Article	IF	Citations
1	Multifaceted biological insights from a draft genome sequence of the tobacco hornworm moth, Manduca sexta. Insect Biochemistry and Molecular Biology, 2016, 76, 118-147.	1.2	154
2	The Evolution of Chloroplast RNA Editing. Molecular Biology and Evolution, 2006, 23, 1912-1921.	3.5	127
3	Selection on the codon bias of chloroplast and cyanelle genes in different plant and algal lineages. Journal of Molecular Evolution, 1998, 46, 449-459.	0.8	115
4	A chloroplast DNA mutational hotspot and gene conversion in a noncoding region near rbcL in the grass family (Poaceae). Current Genetics, 1993, 24, 357-365.	0.8	112
5	A reference gene set for chemosensory receptor genes of Manduca sexta. Insect Biochemistry and Molecular Biology, 2015, 66, 51-63.	1.2	108
6	The Role of Context-Dependent Mutations in Generating Compositional and Codon Usage Bias in Grass Chloroplast DNA. Journal of Molecular Evolution, 2003, 56, 616-629.	0.8	103
7	Variation in Mutation Dynamics Across the Maize Genome as a Function of Regional and Flanking Base Composition. Genetics, 2006, 172, 569-577.	1.2	70
8	The Influence of Specific Neighboring Bases on Substitution Bias in Noncoding Regions of the Plant Chloroplast Genome. Journal of Molecular Evolution, 1997, 45, 227-231.	0.8	68
9	Molecular Phylogenetics of Poaceae: An Expanded Analysis ofrbcL Sequence Data. Molecular Phylogenetics and Evolution, 1996, 5, 352-358.	1.2	51
10	Selective Constraints on Codon Usage of Nuclear Genes from Arabidopsis thaliana. Molecular Biology and Evolution, 2006, 24, 122-129.	3.5	43
11	Codon Adaptation of Plastid Genes. PLoS ONE, 2016, 11, e0154306.	1.1	37
12	Identification of chemosensory receptor genes in Manduca sexta and knockdown by RNA interference. BMC Genomics, 2012, 13, 211.	1.2	25
13	Separating the effects of mutation and selection in producing DNA skew in bacterial chromosomes. BMC Genomics, 2007, 8, 369.	1.2	22
14	Selection on the codon bias ofChlamydomonas reinhardtii chloroplast genes and the plantpsbA gene. Journal of Molecular Evolution, 1996, 43, 28-31.	0.8	16
15	Context-Dependent Mutation Dynamics, Not Selection, Explains the Codon Usage Bias of Most Angiosperm Chloroplast Genes. Journal of Molecular Evolution, 2022, 90, 17-29.	0.8	11
16	Analysis of Site Frequency Spectra from Arabidopsis with Context-Dependent Corrections for Ancestral Misinference. Plant Physiology, 2009, 149, 616-624.	2.3	8
17	Assessing Substitution Variation Across Sites in Grass Chloroplast DNA. Journal of Molecular Evolution, 2007, 64, 605-613.	0.8	7
18	Context-Dependent Substitution Dynamics in Plastid DNA Across a Wide Range of Taxonomic Groups. Journal of Molecular Evolution, 2022, 90, 44-55.	0.8	3

#	Article	IF	Citations
19	Substitution rate heterogeneity across hexanucleotide contexts in noncoding chloroplast DNA. G3: Genes, Genomes, Genetics, 0, , .	0.8	3
20	Evidence from simulation studies for selective constraints on the codon usage of the Angiosperm psbA gene. PLoS Computational Biology, 2021, 17, e1009535.	1.5	1