# Brian R Morton

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | Codon Adaptation of Plastid Genes. PLoS ONE, 2016, 11, e0154306. | 1.1 | 37 |
| 6 | A reference gene set for chemosensory receptor genes of Manduca sexta. Insect Biochemistry and Molecular Biology, 2015, 66, 51-63. | 1.2 | 108 |
| 7 | Identification of chemosensory receptor genes in Manduca sexta and knockdown by RNA interference. BMC Genomics, 2012, 13, 211. | 1.2 | 25 |
| 8 | Analysis of Site Frequency Spectra from Arabidopsis with Context-Dependent Corrections for Ancestral Misinference. Plant Physiology, 2009, 149, 616-624. | 2.3 | 8 |
| 9 | Separating the effects of mutation and selection in producing DNA skew in bacterial chromosomes. BMC Genomics, 2007, 8, 369. | 1.2 | 22 |
| 10 | Assessing Substitution Variation Across Sites in Grass Chloroplast DNA. Journal of Molecular Evolution, 2007, 64, 605-613. | 0.8 | 7 |
| 11 | The Evolution of Chloroplast RNA Editing. Molecular Biology and Evolution, 2006, 23, 1912-1921. | 3.5 | 127 |
| 12 | 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 |
| 13 | Selective Constraints on Codon Usage of Nuclear Genes from Arabidopsis thaliana. Molecular Biology and Evolution, 2006, 24, 122-129. | 3.5 | 43 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | Selection on the codon bias ofChlamydomonas reinhardtii chloroplast genes and the plantpsbA gene. Journal of Molecular Evolution, 1996, 43, 28-31. | 0.8 | 16 |
| 18 | Molecular Phylogenetics of Poaceae: An Expanded Analysis ofrbcL Sequence Data. Molecular Phylogenetics and Evolution, 1996, 5, 352-358. | 1.2 | 51 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | Substitution rate heterogeneity across hexanucleotide contexts in noncoding chloroplast DNA. G3: Genes, Genomes, Genetics, 0, , . | 0.8 | 3 |