

Marcos TÃ³lio Oliveira

List of Publications by Year in descending order

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34
papers

680
citations

516710

16
h-index

580821

25
g-index

35
all docs

35
docs citations

35
times ranked

956
citing authors

#	ARTICLE	IF	CITATIONS
1	Replicating animal mitochondrial DNA. <i>Genetics and Molecular Biology</i> , 2013, 36, 308-315.	1.3	59
2	Structure and evolution of the mitochondrial genomes of <i>Haematobia irritans</i> and <i>Stomoxys calcitrans</i> : The Muscidae (Diptera: Calyptratae) perspective. <i>Molecular Phylogenetics and Evolution</i> , 2008, 48, 850-857.	2.7	52
3	Animal Mitochondrial DNA Replication. <i>The Enzymes</i> , 2016, 39, 255-292.	1.7	49
4	Selection signatures in Canchim beef cattle. <i>Journal of Animal Science and Biotechnology</i> , 2016, 7, 29.	5.3	49
5	Reduced Stimulation of Recombinant DNA Polymerase $\hat{3}$ and Mitochondrial DNA (mtDNA) Helicase by Variants of Mitochondrial Single-stranded DNA-binding Protein (mtSSB) Correlates with Defects in mtDNA Replication in Animal Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 40649-40658.	3.4	45
6	Mitochondrial genotype modulates mtDNA copy number and organismal phenotype in <i>Drosophila</i> . <i>Mitochondrion</i> , 2017, 34, 75-83.	3.4	38
7	Functional Roles of the N- and C-Terminal Regions of the Human Mitochondrial Single-Stranded DNA-Binding Protein. <i>PLoS ONE</i> , 2010, 5, e15379.	2.5	36
8	The Mitochondrial DNA Control Region of Muscidae Flies: Evolution and Structural Conservation in a Dipteran Context. <i>Journal of Molecular Evolution</i> , 2007, 64, 519-527.	1.8	31
9	Animal models of mitochondrial DNA transactions in disease and ageing. <i>Experimental Gerontology</i> , 2010, 45, 489-502.	2.8	29
10	The mitochondrial genome of the terrestrial carnivorous plant <i>Utricularia reniformis</i> (Lentibulariaceae): Structure, comparative analysis and evolutionary landmarks. <i>PLoS ONE</i> , 2017, 12, e0180484.	2.5	24
11	Parallel Multiplicative Target Screening against Divergent Bacterial Replicases: Identification of Specific Inhibitors with Broad Spectrum Potential. <i>Biochemistry</i> , 2010, 49, 2551-2562.	2.5	23
12	A Cytoplasmic Suppressor of a Nuclear Mutation Affecting Mitochondrial Functions in <i>Drosophila</i> . <i>Genetics</i> , 2012, 192, 483-493.	2.9	23
13	Structure, function and evolution of the animal mitochondrial replicative DNA helicase. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2016, 51, 53-64.	5.2	23
14	Alternative respiratory chain enzymes: Therapeutic potential and possible pitfalls. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 854-866.	3.8	21
15	Identification and characterization of regions of difference between the <i>Salmonella Gallinarum</i> biovar <i>Gallinarum</i> and the <i>Salmonella Gallinarum</i> biovar <i>Pullorum</i> genomes. <i>Infection, Genetics and Evolution</i> , 2015, 30, 74-81.	2.3	19
16	Evolution of the Metazoan Mitochondrial Replicase. <i>Genome Biology and Evolution</i> , 2015, 7, 943-959.	2.5	18
17	Evolutionary and structural analysis of the cytochrome c oxidase subunit I (COI) gene from <i>Haematobia irritans</i> , <i>Stomoxys calcitrans</i> and <i>Musca domestica</i> (Diptera: Muscidae) mitochondrial DNA. <i>DNA Sequence</i> , 2005, 16, 156-160.	0.7	16
18	Diiron centre mutations in <i>Ciona intestinalis</i> alternative oxidase abolish enzymatic activity and prevent rescue of cytochrome oxidase deficiency in flies. <i>Scientific Reports</i> , 2016, 5, 18295.	3.3	15

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19	Expression of <i>Ciona intestinalis</i> AOX causes male reproductive defects in <i>Drosophila melanogaster</i> . <i>BMC Developmental Biology</i> , 2017, 17, 9.	2.1	14
20	Developmental arrest in <i>Drosophila melanogaster</i> caused by mitochondrial DNA replication defects cannot be rescued by the alternative oxidase. <i>Scientific Reports</i> , 2018, 8, 10882.	3.3	14
21	Lethal Interaction of Nuclear and Mitochondrial Genotypes in <i>Drosophila melanogaster</i> . <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 2225-2234.	1.8	13
22	Comparative Purification Strategies for <i>Drosophila</i> and Human Mitochondrial DNA Replication Proteins: DNA Polymerase β and Mitochondrial Single-Stranded DNA-Binding Protein. <i>Methods in Molecular Biology</i> , 2009, 554, 37-58.	0.9	12
23	Roles of the mitochondrial replisome in mitochondrial DNA deletion formation. <i>Genetics and Molecular Biology</i> , 2020, 43, e20190069.	1.3	11
24	Structural rearrangements in the mitochondrial genome of <i>Drosophila melanogaster</i> induced by elevated levels of the replicative DNA helicase. <i>Nucleic Acids Research</i> , 2018, 46, 3034-3046.	14.5	10
25	Alternative oxidase confers nutritional limitation on <i>Drosophila</i> development. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2019, 331, 341-356.	1.9	7
26	Regulated hypothermia in response to endotoxin in birds. <i>Journal of Physiology</i> , 2021, 599, 2969-2986.	2.9	7
27	Improving Access to the Control Region and tRNA Gene Clusters of Dipteran Mitochondrial DNA. <i>Journal of Medical Entomology</i> , 2006, 43, 636-639.	1.8	6
28	Remdesivir triphosphate blocks DNA synthesis and increases exonucleolysis by the replicative mitochondrial DNA polymerase, Pol β . <i>Mitochondrion</i> , 2021, 61, 147-158.	3.4	5
29	Xenotopic expression of alternative electron transport enzymes in animal mitochondria and their impact in health and disease. <i>Cell Biology International</i> , 2018, 42, 664-669.	3.0	4
30	The Essential, Ubiquitous Single-Stranded DNA-Binding Proteins. <i>Methods in Molecular Biology</i> , 2021, 2281, 1-21.	0.9	3
31	An Affordable and Efficient "Homemade" Platform for <i>Drosophila</i> Behavioral Studies, and an Accompanying Protocol for Larval Mitochondrial Respirometry. <i>Journal of Visualized Experiments</i> , 2021, .	0.3	2
32	of Variant Forms of the Mitochondrial DNA Twinkle by the Mitochondrial Single-Stranded DNA-Binding. <i>Methods in Molecular Biology</i> , 2021, 2281, 313-322.	0.9	1
33	Preface. <i>The Enzymes</i> , 2016, 39, xi.	1.7	0
34	Stimulation of the human mitochondrial replicase by deletion mutants of mitochondrial single-stranded DNA-binding protein. <i>FASEB Journal</i> , 2008, 22, 595.2.	0.5	0