

Marek LuboÅ›ny

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,388
citations

623734

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434195

31
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all docs

32
docs citations

32
times ranked

804
citing authors

#	ARTICLE	IF	CITATIONS
1	Did doubly uniparental inheritance (DUI) of mtDNA originate as a cytoplasmic male sterility (CMS) system?. <i>BioEssays</i> , 2022, 44, e2100283.	2.5	12
2	No evidence of DUI in the Mediterranean alien species <i>Brachidontes pharaonis</i> (P. Fisher, 1870) despite mitochondrial heteroplasmy. <i>Scientific Reports</i> , 2022, 12, .	3.3	7
3	The longest mitochondrial protein in metazoans is encoded by the male-transmitted mitogenome of the bivalve <i>Scrobicularia plana</i> . <i>Biology Letters</i> , 2022, 18, .	2.3	6
4	A proposed method for analyzing molecular signatures to detect hermaphroditism in freshwater mussels: a case study using the eastern floater (<i>Pyganodon cataracta</i>). <i>Canadian Journal of Zoology</i> , 2021, 99, 450-458.	1.0	1
5	Expanding the Search for Sperm Transmission Elements in the Mitochondrial Genomes of Bivalve Mollusks. <i>Genes</i> , 2021, 12, 1211.	2.4	4
6	The ORF in the control region of the female-transmitted <i>Mytilus</i> mtDNA codes for a protein. <i>Gene</i> , 2020, 725, 144161.	2.2	11
7	<i>Semimytilus algosus</i> : first known hermaphroditic mussel with doubly uniparental inheritance of mitochondrial DNA. <i>Scientific Reports</i> , 2020, 10, 11256.	3.3	12
8	Highly divergent mitogenomes of <i>Geukensia demissa</i> (Bivalvia, Mytilidae) with extreme AT content. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2020, 58, 571-580.	1.4	8
9	An Unusual Evolutionary Strategy: The Origins, Genetic Repertoire, and Implications of Doubly Uniparental Inheritance of Mitochondrial DNA in Bivalves. , 2020, , 301-323.		6
10	Putative Mitochondrial Sex Determination in the Bivalvia: Insights From a Hybrid Transcriptome Assembly in Freshwater Mussels. <i>Frontiers in Genetics</i> , 2019, 10, 840.	2.3	18
11	The male and female complete mitochondrial genomes of the threatened freshwater pearl mussel <i>Margaritifera margaritifera</i> (Linnaeus, 1758) (Bivalvia: Margaritiferidae). <i>Mitochondrial DNA Part B: Resources</i> , 2019, 4, 1417-1420.	0.4	8
12	Metabolic remodelling associated with mtDNA: insights into the adaptive value of doubly uniparental inheritance of mitochondria. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20182708.	2.6	25
13	Next-generation sequencing of <i>Dreissena polymorpha</i> transcriptome sheds light on its mitochondrial DNA. <i>Hydrobiologia</i> , 2018, 810, 255-263.	2.0	8
14	Postglacial expansion of the Arctic keystone copepod <i>Calanus glacialis</i> . <i>Marine Biodiversity</i> , 2018, 48, 1027-1035.	1.0	15
15	Actively transcribed and expressed <i>atp8</i> gene in <i>Mytilus edulis</i> mussels. <i>PeerJ</i> , 2018, 6, e4897.	2.0	20
16	Mitogenomics of <i>Perumytilus purpuratus</i> (Bivalvia: Mytilidae) and its implications for doubly uniparental inheritance of mitochondria. <i>PeerJ</i> , 2018, 6, e5593.	2.0	12
17	Sequence motifs associated with paternal transmission of mitochondrial DNA in the horse mussel, <i>Modiolus modiolus</i> (Bivalvia: Mytilidae). <i>Gene</i> , 2017, 605, 32-42.	2.2	14
18	Next generation sequencing of gonadal transcriptome suggests standard maternal inheritance of mitochondrial DNA in <i>Eurhomalea rufa</i> (Veneridae). <i>Marine Genomics</i> , 2017, 31, 21-23.	1.1	7

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19	Mitochondrial genomes of the key zooplankton copepods Arctic <i>Calanus glacialis</i> and North Atlantic <i>Calanus finmarchicus</i> with the longest crustacean non-coding regions. <i>Scientific Reports</i> , 2017, 7, 13702.	3.3	9
20	Evolution of sex-dependent mtDNA transmission in freshwater mussels (<i>Bivalvia</i> : <i>Unionida</i>). <i>Scientific Reports</i> , 2017, 7, 1551.	3.3	40
21	In silico analyses of mitochondrial ORFans in freshwater mussels (<i>Bivalvia</i> : <i>Unionoida</i>) provide a framework for future studies of their origin and function. <i>BMC Genomics</i> , 2016, 17, 597.	2.8	38
22	Analysis of the coding potential of the ORF in the control region of the female-transmitted <i>Mytilus</i> mtDNA. <i>Gene</i> , 2016, 576, 586-588.	2.2	10
23	Pursuing the quest for better understanding the taxonomic distribution of the system of doubly uniparental inheritance of mtDNA. <i>PeerJ</i> , 2016, 4, e2760.	2.0	81
24	Atypical mitochondrial inheritance patterns in eukaryotes. <i>Genome</i> , 2015, 58, 423-431.	2.0	86
25	A Comparative Analysis of Mitochondrial ORFans: New Clues on Their Origin and Role in Species with Doubly Uniparental Inheritance of Mitochondria. <i>Genome Biology and Evolution</i> , 2013, 5, 1408-1434.	2.5	82
26	Light and Transmission Electron Microscopy of Two Spermatogenic Pathways and Unimorphic Spermatozoa in <i>Venusta concha ellipsiformis</i> (Conrad, 1836) (<i>Bivalvia</i> : <i>Unionoida</i>). <i>Malacologia</i> , 2012, 55, 263-284.	0.4	14
27	Evidence for a Fourteenth mtDNA-Encoded Protein in the Female-Transmitted mtDNA of Marine Mussels (<i>Bivalvia</i> : <i>Mytilidae</i>). <i>PLoS ONE</i> , 2011, 6, e19365.	2.5	50
28	Novel Protein Genes in Animal mtDNA: A New Sex Determination System in Freshwater Mussels (<i>Bivalvia</i> : <i>Unionoida</i>)?. <i>Molecular Biology and Evolution</i> , 2011, 28, 1645-1659.	8.9	156
29	Mitochondrial phylogenomics of the <i>Bivalvia</i> (Mollusca): searching for the origin and mitogenomic correlates of doubly uniparental inheritance of mtDNA. <i>BMC Evolutionary Biology</i> , 2010, 10, 50.	3.2	148
30	Characterization of a mitochondrial ORF from the gender-associated mtDNAs of <i>Mytilus</i> spp. (<i>Bivalvia</i> : <i>Tj ETQq0 0 0 rgBT / Overlock 10</i>	1.1	72
31	Comparative Mitochondrial Genomics of Freshwater Mussels (<i>Bivalvia</i> : <i>Unionoida</i>) With Doubly Uniparental Inheritance of mtDNA: Gender-Specific Open Reading Frames and Putative Origins of Replication. <i>Genetics</i> , 2009, 183, 1575-1589.	2.9	114
32	The unusual system of doubly uniparental inheritance of mtDNA: isn't one enough?. <i>Trends in Genetics</i> , 2007, 23, 465-474.	6.7	294