

# 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

14  
h-index

434195

31  
g-index

32  
all docs

32  
docs citations

32  
times ranked

804  
citing authors

#	ARTICLE	IF	CITATIONS
1	The unusual system of doubly uniparental inheritance of mtDNA: isn't one enough?. Trends in Genetics, 2007, 23, 465-474.	6.7	294
2	Novel Protein Genes in Animal mtDNA: A New Sex Determination System in Freshwater Mussels (Bivalvia: Unionoida)?. Molecular Biology and Evolution, 2011, 28, 1645-1659.	8.9	156
3	Mitochondrial phylogenomics of the Bivalvia (Mollusca): searching for the origin and mitogenomic correlates of doubly uniparental inheritance of mtDNA. BMC Evolutionary Biology, 2010, 10, 50.	3.2	148
4	Comparative Mitochondrial Genomics of Freshwater Mussels (Bivalvia: Unionoida) With Doubly Uniparental Inheritance of mtDNA: Gender-Specific Open Reading Frames and Putative Origins of Replication. Genetics, 2009, 183, 1575-1589.	2.9	114
5	Atypical mitochondrial inheritance patterns in eukaryotes. Genome, 2015, 58, 423-431.	2.0	86
6	A Comparative Analysis of Mitochondrial ORFans: New Clues on Their Origin and Role in Species with Doubly Uniparental Inheritance of Mitochondria. Genome Biology and Evolution, 2013, 5, 1408-1434.	2.5	82
7	Pursuing the quest for better understanding the taxonomic distribution of the system of doubly uniparental inheritance of mtDNA. PeerJ, 2016, 4, e2760.	2.0	81
8	Characterization of a mitochondrial ORF from the gender-associated mtDNAs of Mytilus spp. (Bivalvia: Mytilidae). PLoS ONE, 2011, 6, e19365.	1.1	72
9	Evidence for a Fourteenth mtDNA-Encoded Protein in the Female-Transmitted mtDNA of Marine Mussels (Bivalvia: Mytilidae). PLoS ONE, 2011, 6, e19365.	2.5	50
10	Evolution of sex-dependent mtDNA transmission in freshwater mussels (Bivalvia: Unionoida). Scientific Reports, 2017, 7, 1551.	3.3	40
11	In silico analyses of mitochondrial ORFans in freshwater mussels (Bivalvia: Unionoida) provide a framework for future studies of their origin and function. BMC Genomics, 2016, 17, 597.	2.8	38
12	Metabolic remodelling associated with mtDNA: insights into the adaptive value of doubly uniparental inheritance of mitochondria. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20182708.	2.6	25
13	Actively transcribed and expressed <i>atp8</i> gene in <i>Mytilus edulis</i> mussels. PeerJ, 2018, 6, e4897.	2.0	20
14	Putative Mitochondrial Sex Determination in the Bivalvia: Insights From a Hybrid Transcriptome Assembly in Freshwater Mussels. Frontiers in Genetics, 2019, 10, 840.	2.3	18
15	Postglacial expansion of the Arctic keystone copepod <i>Calanus glacialis</i> . Marine Biodiversity, 2018, 48, 1027-1035.	1.0	15
16	Light and Transmission Electron Microscopy of Two Spermatogenic Pathways and Unimorphic Spermatozoa in <i>Venustaconcha ellipsiformis</i> (Conrad, 1836) (Bivalvia: Unionoida). Malacologia, 2012, 55, 263-284.	0.4	14
17	Sequence motifs associated with paternal transmission of mitochondrial DNA in the horse mussel, <i>Modiolus modiolus</i> (Bivalvia: Mytilidae). Gene, 2017, 605, 32-42.	2.2	14
18	Semimytilus algosus: first known hermaphroditic mussel with doubly uniparental inheritance of mitochondrial DNA. Scientific Reports, 2020, 10, 11256.	3.3	12

#	ARTICLE	IF	CITATIONS
19	Mitogenomics of <i>Perumytilus purpuratus</i> (Bivalvia: Mytilidae) and its implications for doubly uniparental inheritance of mitochondria. PeerJ, 2018, 6, e5593.	2.0	12
20	Did doubly uniparental inheritance (DUI) of mtDNA originate as a cytoplasmic male sterility (CMS) system?. BioEssays, 2022, 44, e2100283.	2.5	12
21	The ORF in the control region of the female-transmitted Mytilus mtDNA codes for a protein. Gene, 2020, 725, 144161.	2.2	11
22	Analysis of the coding potential of the ORF in the control region of the female-transmitted Mytilus mtDNA. Gene, 2016, 576, 586-588.	2.2	10
23	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. Scientific Reports, 2017, 7, 13702.	3.3	9
24	Next-generation sequencing of <i>Dreissena polymorpha</i> transcriptome sheds light on its mitochondrial DNA. Hydrobiologia, 2018, 810, 255-263.	2.0	8
25	The male and female complete mitochondrial genomes of the threatened freshwater pearl mussel <i>Margaritifera margaritifera</i> (Linnaeus, 1758) (Bivalvia: Margaritiferidae). Mitochondrial DNA Part B: Resources, 2019, 4, 1417-1420.	0.4	8
26	Highly divergent mitogenomes of <i>Geukensia demissa</i> (Bivalvia, Mytilidae) with extreme AT content. Journal of Zoological Systematics and Evolutionary Research, 2020, 58, 571-580.	1.4	8
27	Next generation sequencing of gonadal transcriptome suggests standard maternal inheritance of mitochondrial DNA in <i>Eurhomalea rufa</i> (Veneridae). Marine Genomics, 2017, 31, 21-23.	1.1	7
28	No evidence of DUI in the Mediterranean alien species <i>Brachidontes pharaonis</i> (P. Fisher, 1870) despite mitochondrial heteroplasmy. Scientific Reports, 2022, 12, .	3.3	7
29	An Unusual Evolutionary Strategy: The Origins, Genetic Repertoire, and Implications of Doubly Uniparental Inheritance of Mitochondrial DNA in Bivalves. , 2020, , 301-323.		6
30	The longest mitochondrial protein in metazoans is encoded by the male-transmitted mitogenome of the bivalve <i>Scrobicularia plana</i> . Biology Letters, 2022, 18, .	2.3	6
31	Expanding the Search for Sperm Transmission Elements in the Mitochondrial Genomes of Bivalve Mollusks. Genes, 2021, 12, 1211.	2.4	4
32	A proposed method for analyzing molecular signatures to detect hermaphroditism in freshwater mussels: a case study using the eastern floater ( <i>Pyganodon cataracta</i> ). Canadian Journal of Zoology, 2021, 99, 450-458.	1.0	1