Eleftherios Zouros

List of Publications by Year
in descending order

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54 papers	2,839 citations	218677 26 h-index	175258 52 g-index
54 all docs	54 docs citations	54 times ranked	1665 citing authors

#	Article	IF	Citations
1	Animal mitochondrial DNA recombination revisited. Trends in Ecology and Evolution, 2003, 18, 411-417.	8.7	228
2	Mitochondrial DNA inheritance. Nature, 1994, 368, 818-818.	27.8	213
3	Direct evidence for extensive paternal mitochondrial DNA inheritance in the marine mussel Mytilus. Nature, 1992, 359, 412-414.	27.8	209
4	Direct Evidence for Homologous Recombination in Mussel (Mytilus galloprovincialis) Mitochondrial DNA. Molecular Biology and Evolution, 2001, 18, 1168-1175.	8.9	181
5	Biparental Inheritance Through Uniparental Transmission: The Doubly Uniparental Inheritance (DUI) of Mitochondrial DNA. Evolutionary Biology, 2013, 40, 1-31.	1.1	181
6	Increasing genomic information in bivalves through new EST collections in four species: Development of new genetic markers for environmental studies and genome evolution. Gene, 2008, 408, 27-36.	2.2	132
7	The Complete Maternal and Paternal Mitochondrial Genomes of the Mediterranean Mussel Mytilus galloprovincialis: Implications for the Doubly Uniparental Inheritance Mode of mtDNA. Molecular Biology and Evolution, 2005, 22, 952-967.	8.9	126
8	Male-Dependent Doubly Uniparental Inheritance of Mitochondrial DNA and Female-Dependent Sex-Ratio in the Mussel Mytilus galloprovincialis. Genetics, 1997, 145, 1073-1082.	2.9	126
9	The distribution of male-transmitted and female-transmitted mitochondrial DNA types in somatic tissues of blue mussels: Implications for the operation of doubly uniparental inheritance of mitochondrial DNA. Genome, 1998, 41, 818-824.	2.0	112
10	Evolution and inheritance of animal mitochondrial DNA: rules and exceptions. Journal of Biological Research, 2017, 24, 2.	2.1	96
11	Differential Segregation Patterns of Sperm Mitochondria in Embryos of the Blue Mussel (Mytilus) Tj ETQq1 1 0.784314 rgBT /Overloc	2.9	95
12	Degree of Selective Constraint as an Explanation of the Different Rates of Evolution of Gender-Specific Mitochondrial DNA Lineages in the Mussel Mytilus. Genetics, 1996, 143, 1349-1357.	2.9	89
13	Evidence That the Large Noncoding Sequence Is the Main Control Region of Maternally and Paternally Transmitted Mitochondrial Genomes of the Marine Mussel (Mytilus spp.)Sequence data from this article have been deposited with the EMBL/GenBank Data Libraries under accession nos. AY350784, AY350785, AY350786, AY350787, AY350788, AY350789, AY350790, AY350791, AY350792, AY350793, AY350794.. Genetics, 2004, 167, 835-850.	2.9	76
14	Genetics of Mother-Dependent Sex Ratio in Blue Mussels (Mytilus spp.) and Implications for Doubly Uniparental Inheritance of Mitochondrial DNA. Genetics, 2002, 161, 1579-1588.	2.9	75
15	The Fate of Paternal Mitochondrial DNA in Developing Female Mussels, Mytilus edulis: Implications for the Mechanism of Doubly Uniparental Inheritance of Mitochondrial DNA. Genetics, 1998, 148, 341-347.	2.9	67
16	No evidence for presence of maternal mitochondrial DNA in the sperm of Mytilus galloprovincialis males. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 2483-2489.	2.6	62
17	Species-Specific Segregation of Gender-Associated Mitochondrial DNA Types in an Area Where Two Mussel Species (Mytilus edulis and M. trossulus) Hybridize. Genetics, 1996, 143, 1359-1367.	2.9	60
18	Segregation of sperm mitochondria in two- and four-cell embryos of the blue mussel Mytilus edulis: implications for the mechanism of doubly uniparental inheritance of mitochondrial DNA. Genome, 2006, 49, 799-807.	2.0	57

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19	Recombination in Animal Mitochondrial DNA: Evidence from Published Sequences. Molecular Biology and Evolution, 2001, 18, 2127-2131.	8.9	56
20	Paternal mtDNA and Maleness Are Co-Inherited but Not Causally Linked in Mytilid Mussels. PLoS ONE, 2009, 4, e6976.	2.5	49
21	A mitochondrial genome with a reversed transmission route in the Mediterranean mussel Mytilus galloprovincialis. Gene, 2007, 406, 79-90.	2.2	39
22	The Control Region of Maternally and Paternally Inherited Mitochondrial Genomes of Three Species of the Sea Mussel Genus Mytilus. Genetics, 2009, 181, 1045-1056.	2.9	35
23	Ancient DNA forces reconsideration of evolutionary history of Mediterranean pygmy elephantids. Biology Letters, 2006, 2, 451-454.	2.3	34
24	Genetic Variation Underlying Protein Expression in Eggs of the Marine Mussel Mytilus edulis. Molecular and Cellular Proteomics, 2009, 8, 132-144.	3.8	34
25	Incompatibilities between Y chromosome and autosomes are responsible for male hybrid sterility in crosses between Drosophila virilis and Drosophila texana. Heredity, 1996, 76, 603-609.	2.6	31
26	Dispersed discrete length polymorphism of mitochondrial DNA in the scallop Placopecten magellanicus (Gmelin). Current Genetics, 1993, 23, 365-369.	1.7	29
27	Homologous Recombination between Highly Diverged Mitochondrial Sequences: Examples from Maternally and Paternally Transmitted Genomes. Molecular Biology and Evolution, 2011, 28, 1847-1859.	8.9	29
28	A protein binding site in the M mitochondrial genome of Mytilus galloprovincialis may be responsible for its paternal transmission. Gene, 2015, 562, 83-94.	2.2	26
29	The atypical presence of the paternal mitochondrial DNA in somatic tissues of male and female individuals of the blue mussel species Mytilus galloprovincialis. BMC Research Notes, 2010, 3, 222.	1.4	24
30	Extensive mitochondrial heteroplasmy in hybrid water frog (<scp>P</scp>elophylax spp.) populations from <scp>S</scp>outheast <scp>E</scp>urope. Ecology and Evolution, 2015, 5, 4529-4541.	1.9	23
31	Proteomic Analysis of Eggs from Mytilus edulis Females Differing in Mitochondrial DNA Transmission Mode. Molecular and Cellular Proteomics, 2013, 12, 3068-3080.	3.8	20
32	Negative Covariance Suggests Mutation Bias in a Two-Locus Microsatellite System in the Fish Sparus aurata. Genetics, 1998, 150, 1567-1575.	2.9	20
33	No Evidence for Absence of Paternal mtDNA in Male Progeny From Pair Matings of the Mussel Mytilus galloprovincialis. Genetics, 2007, 176, 1367-1369.	2.9	19
34	Doubly Uniparental Inheritance of mtDNA: An Unappreciated Defiance of a General Rule. Advances in Anatomy, Embryology and Cell Biology, 2019, 231, 25-49.	1.6	19
35	Differential Segregation Patterns of Sperm Mitochondria in Embryos of the Blue Mussel (Mytilus) Tj ETQq1 1 0.784314 rgBT /Over	2.9	19
36	Female-dependent transmission of paternal mtDNA is a shared feature of bivalve species with doubly uniparental inheritance (DUI) of mitochondrial DNA. Journal of Zoological Systematics and Evolutionary Research, 2015, 53, 200-204.	1.4	18

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37	Molecular Phylogeny of the Extinct Pleistocene Dwarf Elephant Palaeoloxodon antiquus falconeri from Tilos Island, Dodekanisa, Greece. Journal of Molecular Evolution, 2002, 55, 364-374.	1.8	14
38	Nucleotide Content Gradients in Maternally and Paternally Inherited Mitochondrial Genomes of the Mussel Mytilus. Journal of Molecular Evolution, 2007, 65, 124-136.	1.8	13
39	Doubly uniparental inheritance of mitochondrial DNA: Might it be simpler than we thought?. Journal of Zoological Systematics and Evolutionary Research, 2020, 58, 624-631.	1.4	13
40	Multiple Events Are Responsible for an Insertion in a Paternally Inherited Mitochondrial Genome of the Mussel Mytilus galloprovincialis. Genetics, 2006, 172, 2695-2698.	2.9	12
41	Characterization of Two Alcohol Dehydrogenase (Adh) Loci from the Olive Fruit Fly, Bactrocera (Dacus) oleae and Implications for Adh Duplication in Dipteran Insects. Journal of Molecular Evolution, 2001, 52, 29-39.	1.8	10
42	Tracing the History of an Enzyme Polymorphism: The Case of Alcohol Dehydrogenase-2 (Adh-2) of the Olive Fruit Fly Bactrocera oleae. Molecular Biology and Evolution, 2003, 20, 293-306.	8.9	10
43	The mRNAs of maternally and paternally inherited mtDNAs of the mussel Mytilus galloprovincialis: Start/end points and polycistronic transcripts. Gene, 2013, 520, 156-165.	2.2	8
44	Species-specific characteristics of spermatogenesis in Drosophila mojavensis (Patterson) (Diptera :) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.4	7
45	Biochemical differences between products of the ADH locus in olive fruit fly (Bactrocera oleae). Biochemical Genetics, 1998, 36, 259-269.	1.7	7
46	Does the ORF in the control region of Mytilus mtDNA code for a protein product?. Gene, 2014, 546, 448-450.	2.2	7
47	RARER NEED NOT BE BETTER IF COMMONER IS WORSE: FREQUENCY-DEPENDENT SELECTION FOR DEVELOPMENTAL TIME AT THE ALCOHOL DEHYDROGENASE LOCUS OF THE OLIVE FRUIT FLY, BACTROCERA OLEAE. Evolution; International Journal of Organic Evolution, 1999, 53, 518-526.	2.3	5
48	Exploring the Evolutionary History of the Alcohol Dehydrogenase Gene (Adh) Duplication in Species of the Family Tephritidae. Journal of Molecular Evolution, 2003, 57, 170-180.	1.8	5
49	The rRNA and tRNA transcripts of maternally and paternally inherited mitochondrial DNAs of Mytilus galloprovincialis suggest presence of a â€œdegradosomeâ€•in mussel mitochondria and necessitate the re-annotation of the l-rRNA/CR boundary. Gene, 2014, 540, 78-85.	2.2	5
50	It remains a mammoth DNA fragment. A reply to and. Biology Letters, 2007, 3, 61-64.	2.3	4
51	No sex-specific protein-binding site in the VD1 of the F mitochondrial genome of the mussel Mytilus galloprovincialis. Gene Reports, 2016, 5, 148-150.	0.8	4
52	Cloning and structural characterization of the 6-phosphogluconate dehydrogenase locus of the medfly Ceratitis capitata and the olive fruit fly Bactrocera oleae. Biochemical and Biophysical Research Communications, 2006, 341, 721-727.	2.1	3
53	Incompatibility Analysis of Male Hybrid Sterility in Two Drosophila Species: Lack of Evidence for Maternal, Cytoplasmic, or Transposable Element Effects. American Naturalist, 1995, 145, 1006-1014.	2.1	3
54	Promoting evolution: the brand new Hellenic Evolutionary Society (HEVOS). Journal of Biological Research, 2019, 26, 6.	2.1	0