Mutsumi Nishida

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/10556200/publications.pdf

Version: 2024-02-01

112 papers	10,098 citations	25034 57 h-index	34986 98 g-index
115 all docs	115 docs citations	115 times ranked	6899 citing authors

#	Article	IF	Citations
1	Major patterns of higher teleostean phylogenies: a new perspective based on 100 complete mitochondrial DNA sequences. Molecular Phylogenetics and Evolution, 2003, 26, 121-138.	2.7	668
2	MitoFish and MitoAnnotator: A Mitochondrial Genome Database of Fish with an Accurate and Automatic Annotation Pipeline. Molecular Biology and Evolution, 2013, 30, 2531-2540.	8.9	651
3	Mitogenomic Exploration of Higher Teleostean Phylogenies: A Case Study for Moderate-Scale Evolutionary Genomics with 38 Newly Determined Complete Mitochondrial DNA Sequences. Molecular Biology and Evolution, 2001, 18, 1993-2009.	8.9	360
4	Sequence evolution of mitochondrial tRNA genes and deep-branch animal phylogenetics. Journal of Molecular Evolution, 1993, 37, 380-98.	1.8	350
5	Use of Mitogenomic Information in Teleostean Molecular Phylogenetics: A Tree-Based Exploration under the Maximum-Parsimony Optimality Criterion. Molecular Phylogenetics and Evolution, 2000, 17, 437-455.	2.7	325
6	Organization of the Mitochondrial Genome of a Deep-Sea Fish, Gonostoma gracile (Teleostei:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Biotechnology, 1999, 1, 416-426.	2.4	294
7	Basal actinopterygian relationships: a mitogenomic perspective on the phylogeny of the â€œancient fishâ€• Molecular Phylogenetics and Evolution, 2003, 26, 110-120.	2.7	265
8	Comparison of SARS-CoV-2 detection in nasopharyngeal swab and saliva. Journal of Infection, 2020, 81, e145-e147.	3.3	212
9	The Complete Nucleotide Sequence of a Snake (Dinodon semicarinatus) Mitochondrial Genome With Two Identical Control Regions. Genetics, 1998, 150, 313-329.	2.9	198
10	Phylogenetic Relationships and Ancient Incomplete Lineage Sorting Among Cichlid Fishes in Lake Tanganyika as Revealed by Analysis of the Insertion of Retroposons. Molecular Biology and Evolution, 2001, 18, 2057-2066.	8.9	191
11	Evolutionary history of Otophysi (Teleostei), a major clade of the modern freshwater fishes: Pangaean origin and Mesozoic radiation. BMC Evolutionary Biology, 2011, 11, 177.	3.2	188
12	Structure and variation of the mitochondrial genome of fishes. BMC Genomics, 2016, 17, 719.	2.8	187
13	Mitochondrial Genomics of Ostariophysan Fishes: Perspectives on Phylogeny and Biogeography. Journal of Molecular Evolution, 2003, 56, 464-472.	1.8	171
14	A Mitogenomic Perspective on the Basal Teleostean Phylogeny: Resolving Higher-Level Relationships with Longer DNA Sequences. Molecular Phylogenetics and Evolution, 2001, 20, 275-285.	2.7	162
15	Molecular phylogeny and evolution of the freshwater eels genus Anguilla based on the whole mitochondrial genome sequences. Molecular Phylogenetics and Evolution, 2005, 34, 134-146.	2.7	159
16	Basal euteleostean relationships: a mitogenomic perspective on the phylogenetic reality of the â€œProtacanthopterygiiâ€• Molecular Phylogenetics and Evolution, 2003, 27, 476-488.	2.7	157
17	Body plan convergence in the evolution of skates and rays (Chondrichthyes: Batoidea). Molecular Phylogenetics and Evolution, 2012, 63, 28-42.	2.7	154
18	Complete mitochondrial DNA sequence of the Japanese sardine Sardinops melanostictus +. Fisheries Science, 2000, 66, 924-932.	1.6	152

#	Article	IF	Citations
19	Mass Screening of Asymptomatic Persons for Severe Acute Respiratory Syndrome Coronavirus 2 Using Saliva. Clinical Infectious Diseases, 2021, 73, e559-e565.	5.8	139
20	Evolutionary Origin of the Scombridae (Tunas and Mackerels): Members of a Paleogene Adaptive Radiation with 14 Other Pelagic Fish Families. PLoS ONE, 2013, 8, e73535.	2.5	136
21	Mitogenomic evaluation of the historical biogeography of cichlids toward reliable dating of teleostean divergences. BMC Evolutionary Biology, 2008, 8, 215.	3.2	135
22	Reconstructing the phylogenetic relationships of the earthâ€™s most diverse clade of freshwater fishesâ€"order Cypriniformes (Actinopterygii: Ostariophysi): A case study using multiple nuclear loci and the mitochondrial genome. Molecular Phylogenetics and Evolution, 2009, 51, 500-514.	2.7	129
23	Deep-ocean origin of the freshwater eels. Biology Letters, 2010, 6, 363-366.	2.3	127
24	The phylogenetic position of toadfishes (order Batrachoidiformes) in the higher ray-finned fish as inferred from partitioned Bayesian analysis of 102 whole mitochondrial genome sequences. Biological Journal of the Linnean Society, 2005, 85, 289-306.	1.6	126
25	Independent evolution of the specialized pharyngeal jaw apparatus in cichlid and labrid fishes. BMC Evolutionary Biology, 2007, 7, 10.	3.2	125
26	The mitochondrial genome of spotted green pufferfish Tetraodon nigroviridis (Teleostei:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (T Genetic Systems, 2006, 81, 29-39.	0.7	112
27	The mitochondrial genome of Indonesian coelacanth Latimeria menadoensis (Sarcopterygii:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 227-235.	2.2	110
28	Speciation in the open ocean. Nature, 1997, 389, 803-804.	27.8	108
29	Complete mitochondrial DNA sequence of the swimming crab, Portunus trituberculatus (Crustacea:) Tj ETQq1 1 0.784314 rgBT /Overlock	2.2	107
30	Evolution of the Deep-Sea Gulper Eel Mitochondrial Genomes: Large-Scale Gene Rearrangements Originated Within the Eels. Molecular Biology and Evolution, 2003, 20, 1917-1924.	8.9	105
31	Interrelationships of the 11 gasterosteiform families (sticklebacks, pipefishes, and their relatives): A new perspective based on whole mitogenome sequences from 75 higher teleosts. Molecular Phylogenetics and Evolution, 2008, 46, 224-236.	2.7	105
32	Mitogenomic evidence for the monophyly of elopomorph fishes (Teleostei) and the evolutionary origin of the leptocephalus larva. Molecular Phylogenetics and Evolution, 2004, 32, 274-286.	2.7	104
33	Molecular Phylogeny of Osteoglossoids: A New Model for Gondwanian Origin and Plate Tectonic Transportation of the Asian Arowana. Molecular Biology and Evolution, 2000, 17, 1869-1878.	8.9	97
34	Molecular systematics of the gonorynchiform fishes (Teleostei) based on whole mitogenome sequences: Implications for higher-level relationships within the Otocephala. Molecular Phylogenetics and Evolution, 2005, 37, 165-177.	2.7	94
35	Complete mitochondrial DNA sequence of the Japanese spiny lobster, Panulirus japonicus (Crustacea:) Tj ETQq1 1 0.784314 rgBT /Over	2.2	92
36	Interrelationships of Atherinomorpha (medakas, flyingfishes, killifishes, silversides, and their) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td Evolution, 2008, 49, 598-605.	2.7	91

#	Article	IF	Citations
37	Phylogeny and biogeography of highly diverged freshwater fish species (Leuciscinae, Cyprinidae,) Tj ETQq1 1 0.784314 rgBT /Overlock	2.2	91
38	Divergence time of the two regional medaka populations in Japan as a new time scale for comparative genomics of vertebrates. Biology Letters, 2009, 5, 812-816.	2.3	90
39	The complete DNA sequence of the mitochondrial genome of the self-fertilizing fish Rivulus marmoratus (Cyprinodontiformes, Rivulidae) and the first description of duplication of a control region in fish. Gene, 2001, 280, 1-7.	2.2	89
40	Explosive Speciation of Takifugu: Another Use of Fugu as a Model System for Evolutionary Biology. Molecular Biology and Evolution, 2008, 26, 623-629.	8.9	89
41	Phylogenetic relationships among anchovies, sardines, herrings and their relatives (Clupeiformes), inferred from whole mitogenome sequences. Molecular Phylogenetics and Evolution, 2007, 43, 1096-1105.	2.7	87
42	Phylogenetic position of tetraodontiform fishes within the higher teleosts: Bayesian inferences based on 44 whole mitochondrial genome sequences. Molecular Phylogenetics and Evolution, 2007, 45, 89-101.	2.7	84
43	Deep-sea mystery solved: astonishing larval transformations and extreme sexual dimorphism unite three fish families. Biology Letters, 2009, 5, 235-239.	2.3	83
44	Comparable Ages for the Independent Origins of Electrogenesis in African and South American Weakly Electric Fishes. PLoS ONE, 2012, 7, e36287.	2.5	83
45	Evolutionary history of anglerfishes (Teleostei: Lophiiformes): a mitogenomic perspective. BMC Evolutionary Biology, 2010, 10, 58.	3.2	82
46	Evidence from mitochondrial genomics supports the lower Mesozoic of South Asia as the time and place of basal divergence of cypriniform fishes (Actinopterygii: Ostariophysi). Zoological Journal of the Linnean Society, 2011, 161, 633-662.	2.3	79
47	Complete Mitochondrial DNA Sequence of Conger myriaster (Teleostei: Anguilliformes): Novel Gene Order for Vertebrate Mitochondrial Genomes and the Phylogenetic Implications for Anguilliform Families. Journal of Molecular Evolution, 2001, 52, 311-320.	1.8	75
48	Large-scale gene rearrangements in the mitochondrial genomes of two calanoid copepods Eucalanus bungii and Neocalanus cristatus (Crustacea), with notes on new versatile primers for the srRNA and COI genes. Gene, 2004, 332, 71-78.	2.2	75
49	Complete mitochondrial DNA sequence of the Lake Biwa wild strain of common carp (Cyprinus carpio) Tj ETQq1 1 0.784314 rgBT /Ov	3.5	75
50	Teleost fish with specific genome duplication as unique models of vertebrate evolution. Environmental Biology of Fishes, 2010, 88, 169-188.	1.0	72
51	Multiple Invasions into Freshwater by Pufferfishes (Teleostei: Tetraodontidae): A Mitogenomic Perspective. PLoS ONE, 2011, 6, e17410.	2.5	71
52	Molecular phylogenetic perspective on the evolution of the deep-sea fish genusCyclothone (Stomiiformes: Gonostomatidae). Ichthyological Research, 1996, 43, 375-398.	0.8	66
53	Complete mitochondrial DNA sequence of the Japanese eel Anguilla japonica +. Fisheries Science, 2001, 67, 118-125.	1.6	65
54	Gene Rearrangements and Evolution of tRNA Pseudogenes in the Mitochondrial Genome of the Parrotfish (Teleostei: Perciformes: Scaridae). Journal of Molecular Evolution, 2004, 59, 287-297.	1.8	62

#	Article	IF	Citations
55	Stickleback phylogenies resolved: Evidence from mitochondrial genomes and 11 nuclear genes. Molecular Phylogenetics and Evolution, 2009, 50, 401-404.	2.7	62
56	Complete mitochondrial DNA sequence of Aulopus japonicus (Teleostei: Aulopiformes), a basal Eurypterygii: longer DNA sequences and higher-level relationships. Ichthyological Research, 2001, 48, 213-223.	0.8	61
57	Evolution of the Mitochondrial Genome in Cephalochordata as Inferred from Complete Nucleotide Sequences from Two Epigonichthys Species. Journal of Molecular Evolution, 2005, 60, 526-537.	1.8	58
58	The historical biogeography of the freshwater knifefishes using mitogenomic approaches: A Mesozoic origin of the Asian notopterids (Actinopterygii: Osteoglossomorpha). Molecular Phylogenetics and Evolution, 2009, 51, 486-499.	2.7	58
59	Complete mitochondrial DNA sequence of the Japanese anchovy Engraulis japonicus. Fisheries Science, 2001, 67, 828-835.	1.6	57
60	Temporal pattern of loss/persistence of duplicate genes involved in signal transduction and metabolic pathways after teleost-specific genome duplication. BMC Evolutionary Biology, 2009, 9, 127.	3.2	57
61	Mitogenomic evaluation of the unique facial nerve pattern as a phylogenetic marker within the percifom fishes (Teleostei: Percomorpha). Molecular Phylogenetics and Evolution, 2009, 53, 258-266.	2.7	55
62	Mitogenomic sequences and evidence from unique gene rearrangements corroborate evolutionary relationships of myctophiformes (Neoteleostei). BMC Evolutionary Biology, 2013, 13, 111.	3.2	55
63	The mitogenomic contributions to molecular phylogenetics and evolution of fishes: a 15-year retrospect. Ichthyological Research, 2015, 62, 29-71.	0.8	55
64	PCR-Based Approach for Sequencing Mitochondrial Genomes of Decapod Crustaceans, with a Practical Example from Kuruma Prawn (Marsupenaeus japonicus). Marine Biotechnology, 2004, 6, 419-429.	2.4	53
65	DNA sequences identify numerous cryptic species of the vertebrate: A lesson from the gobioid fish Schindleria. Molecular Phylogenetics and Evolution, 2007, 44, 53-62.	2.7	53
66	Revision of the systematics of the cardinalfishes (Percomorpha: Apogonidae) based on molecular analyses and comparative reevaluation of morphological characters. Zootaxa, 2014, 3846, 151-203.	0.5	53
67	Evolution and origin of vomeronasal-type odorant receptor gene repertoire in fishes. BMC Evolutionary Biology, 2006, 6, 76.	3.2	51
68	Evolution of feeding specialization in Tanganyikan scale-eating cichlids: a molecular phylogenetic approach. BMC Evolutionary Biology, 2007, 7, 195.	3.2	51
69	Using SINEs to Probe Ancient Explosive Speciation: "Hidden" Radiation of African Cichlids?. Molecular Biology and Evolution, 2003, 20, 924-930.	8.9	50
70	Complete mitochondrial DNA sequence of ayu Plecoglossus altivelis. Fisheries Science, 2001, 67, 474-481.	1.6	49
71	A new perspective on phylogeny and evolution of tetraodontiform fishes (Pisces: Acanthopterygii) based on whole mitochondrial genome sequences: Basal ecological diversification?. BMC Evolutionary Biology, 2008, 8, 212.	3.2	48
72	Monophyly, phylogenetic position and inter-familial relationships of the Alepocephaliformes (Teleostei) based on whole mitogenome sequences. Molecular Phylogenetics and Evolution, 2008, 47, 1111-1121.	2.7	42

#	Article	IF	Citations
73	Round and pointed-head grenadier fishes (Actinopterygii: Gadiformes) represent a single sister group: Evidence from the complete mitochondrial genome sequences. Molecular Phylogenetics and Evolution, 2006, 40, 129-138.	2.7	40
74	Intron-loss evolution of hatching enzyme genes in Teleostei. BMC Evolutionary Biology, 2010, 10, 260.	3.2	39
75	Mitochondrial genome and a nuclear gene indicate a novel phylogenetic position of deep-sea tube-eye fish (Stylephoridae). Ichthyological Research, 2007, 54, 323-332.	0.8	38
76	Efficacy of a novel SARS-CoV-2 detection kit without RNA extraction and purification. International Journal of Infectious Diseases, 2020, 98, 16-17.	3.3	38
77	Retroposition of the AFC Family of SINEs (Short Interspersed Repetitive Elements) Before and During the Adaptive Radiation of Cichlid Fishes in Lake Malawi and Related Inferences About Phylogeny. Journal of Molecular Evolution, 2001, 53, 496-507.	1.8	35
78	Molecular Phylogeny and Evolution of the Deep-Sea Fish GenusSternoptyx. Molecular Phylogenetics and Evolution, 1998, 10, 11-22.	2.7	34
79	Equivalent SARS-CoV-2 viral loads by PCR between nasopharyngeal swab and saliva in symptomatic patients. Scientific Reports, 2021, 11, 4500.	3.3	34
80	Parallel Mitogenome Sequencing Alleviates Random Rooting Effect in Phylogeography. Genome Biology and Evolution, 2016, 8, 1267-1278.	2.5	33
81	SARS-CoV-2 detection by fluorescence loop-mediated isothermal amplification with and without RNA extraction. Journal of Infection and Chemotherapy, 2021, 27, 410-412.	1.7	32
82	New primers for amplifying and sequencing the mitochondrial ND4/ND5 gene region of the Cypriniformes (Actinopterygii: Ostariophysi). Ichthyological Research, 2006, 53, 75-81.	0.8	30
83	Mitochondrial genomes and phylogeny of the ocean sunfishes (Tetraodontiformes: Molidae). Ichthyological Research, 2004, 51, 269-273.	0.8	29
84	Higher and lower-level relationships of the deep-sea fish order Alepocephaliformes (Teleostei:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 2009, 98, 923-936.	1.6	26
85	Conservation of the egg envelope digestion mechanism of hatching enzyme in euteleostean fishes. FEBS Journal, 2010, 277, 4973-4987.	4.7	26
86	Mitogenomic circumscription of a novel percomorph fish clade mainly comprising â€œSyngnathoideiâ€• (Teleostei). Gene, 2014, 542, 146-155.	2.2	26
87	Molecular Phylogeny and Larval Morphological Diversity of the Lanternfish Genus Hygophum (Teleostei: Myctophidae). Molecular Phylogenetics and Evolution, 2000, 15, 103-114.	2.7	25
88	Organization of the Mitochondrial Genome of Antarctic Krill Euphausia superba (Crustacea:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 T	2.4	25
89	Mitogenomic phylogeny of the Percichthyidae and Centrarchiformes (Percomorphaceae): comparison with recent nuclear gene-based studies and simultaneous analysis. Gene, 2014, 549, 46-57.	2.2	25
90	Intraspecific variation in the mitochondrial genome among local populations of Medaka Oryzias latipes. Gene, 2010, 457, 13-24.	2.2	24

#	Article	IF	Citations
91	Molecular phylogeny and stripe pattern evolution in the cardinalfish genus Apogon. Molecular Phylogenetics and Evolution, 2006, 38, 90-99.	2.7	22
92	Post-duplication charge evolution of phosphoglucose isomerases in teleost fishes through weak selection on many amino acid sites. BMC Evolutionary Biology, 2007, 7, 204.	3.2	22
93	Molecular Systematics of the Deep-Sea Fish GenusGonostoma(Stomiiformes: Gonostomatidae): Two Paraphyletic Clades and Resurrection ofSigmops. Copeia, 2000, 2000, 378-389.	1.3	20
94	Mitochondrial DNA divergence in yoshinobori gobies (Rhinogobius species complex) between the Bonin Islands and the Japanâ€“Ryukyu Archipelago. Ichthyological Research, 2005, 52, 410-413.	0.8	20
95	Mitochondrial Molecular Clocks and the Origin of Euteleostean Biodiversity: Familial Radiation of Perciforms May Have Predated the Cretaceous/Tertiary Boundary. , 2000, , 35-52.		20
96	Molecular phylogeny and possible scenario of ponyfish (Perciformes:Leiognathidae) evolution. Molecular Phylogenetics and Evolution, 2004, 31, 904-909.	2.7	19
97	Unexpected Ceiling of Genetic Differentiation in the Control Region of the Mitochondrial DNA between Different Subspecies of the Ayu Plecoglossus altivelis. Zoological Science, 2005, 22, 401-410.	0.7	19
98	Molecular phylogeny of the antitropical genus Pseudolabrus (Perciformes: Labridae): evidence for a Southern Hemisphere origin. Molecular Phylogenetics and Evolution, 2004, 32, 375-382.	2.7	18
99	Performance of Qualitative and Quantitative Antigen Tests for SARS-CoV-2 Using Saliva. Infectious Disease Reports, 2021, 13, 742-747.	3.1	17
100	The phylogenetic position of an undescribed paedomorphic clupeiform taxon: mitogenomic evidence. Ichthyological Research, 2008, 55, 328-334.	0.8	14
101	Unique patterns of pelvic fin evolution: A case study of balistoid fishes (Pisces: Tetraodontiformes) based on whole mitochondrial genome sequences. Molecular Phylogenetics and Evolution, 2009, 50, 179-189.	2.7	13
102	Cryptic species of the gobioid paedomorphic genus Schindleria from Palau, Western Pacific Ocean. Ichthyological Research, 2011, 58, 62-66.	0.8	13
103	Molecular co-evolution of a protease and its substrate elucidated by analysis of the activity of predicted ancestral hatching enzyme. BMC Evolutionary Biology, 2013, 13, 231.	3.2	11
104	Electric charge divergence in proteins: insights into the evolution of their three-dimensional properties. Gene, 2009, 441, 3-11.	2.2	5
105	Remarkable consistency of exon-intron structure of hatching enzyme genes and molecular phylogenetic relationships of teleostean fishes. Environmental Biology of Fishes, 2012, 94, 567-576.	1.0	5
106	Effect of varying storage conditions on diagnostic test outcomes of SARS-CoV-2. Journal of Infection, 2021, 83, 119-145.	3.3	5
107	Tandem repeat sequence segments in control region of bronze featherback Notopterus notopterus mitochondrial DNA. Fisheries Science, 2006, 72, 1319-1321.	1.6	4
108	Older age is associated with sustained detection of SARS-CoV-2 in nasopharyngeal swab samples. Journal of Infection, 2021, 82, 159-198.	3.3	4

#	Article	IF	Citations
109	Low genetic differentiation between two geographically separated populations of demersal gadiform fishes in the Southern Hemisphere. Genes and Genetic Systems, 2011, 86, 339-349.	0.7	3
110	Two Hidden mtDNA-Clades of Crown-of-Thorns Starfish in the Pacific Ocean. Frontiers in Marine Science, 2022, 9, .	2.5	3
111	Heterotypy in the N-Terminal Region of Growth/Differentiation Factor 5 (GDF5) Mature Protein during Teleost Evolution. Molecular Biology and Evolution, 2008, 25, 797-800.	8.9	1
112	Genetic Comparison of Two Choerodon (Osteichthyes : Perciformes : Labridae) Color-types from the Southern Coasts of Japan. Species Diversity, 2002, 7, 387-392.	0.4	1