Axel Meyer

List of Publications by Year
in descending order

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478 papers	46,385 citations	2197 102 h-index	3508 188 g-index
507 all docs	507 docs citations	507 times ranked	36778 citing authors

#	Article	IF	Citations
1	Dynamics of mitochondrial DNA evolution in animals: amplification and sequencing with conserved primers.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 6196-6200.	3.3	4,373
2	Asymmetric paralog evolution between the â€œcrypticâ€•gene Bmp16 and its well-studied sister genes Bmp2 and Bmp4. Scientific Reports, 2019, 9, 3136.	1.6	1,637
3	Towards complete and error-free genome assemblies of all vertebrate species. Nature, 2021, 592, 737-746.	13.7	1,139
4	From 2R to 3R: evidence for a fish-specific genome duplication (FSGD). BioEssays, 2005, 27, 937-945.	1.2	929
5	The evolutionary significance of ancient genome duplications. Nature Reviews Genetics, 2009, 10, 725-732.	7.7	919
6	Monophyletic origin of Lake Victoria cichlid fishes suggested by mitochondrial DNA sequences. Nature, 1990, 347, 550-553.	13.7	891
7	The genomic substrate for adaptive radiation in African cichlid fish. Nature, 2014, 513, 375-381.	13.7	874
8	SHAPE ANALYSIS OF SYMMETRIC STRUCTURES: QUANTIFYING VARIATION AMONG INDIVIDUALS AND ASYMMETRY. Evolution; International Journal of Organic Evolution, 2002, 56, 1909-1920.	1.1	804
9	Genome Duplication, a Trait Shared by 22,000 Species of Ray-Finned Fish. Genome Research, 2003, 13, 382-390.	2.4	787
10	Gene and genome duplications in vertebrates: the one-to-four (-to-eight in fish) rule and the evolution of novel gene functions. Current Opinion in Cell Biology, 1999, 11, 699-704.	2.6	738
11	The African coelacanth genome provides insights into tetrapod evolution. Nature, 2013, 496, 311-316.	13.7	612
12	Sequencing of the sea lamprey (Petromyzon marinus) genome provides insights into vertebrate evolution. Nature Genetics, 2013, 45, 415-421.	9.4	588
13	Sympatric speciation in Nicaraguan crater lake cichlid fish. Nature, 2006, 439, 719-723.	13.7	579
14	The spotted gar genome illuminates vertebrate evolution and facilitates human-teleost comparisons. Nature Genetics, 2016, 48, 427-437.	9.4	545
15	Phylogenetic Timing of the Fish-Specific Genome Duplication Correlates with the Diversification of Teleost Fish. Journal of Molecular Evolution, 2004, 59, 190-203.	0.8	533
16	Major events in the genome evolution of vertebrates: Paranome age and size differ considerably between ray-finned fishes and land vertebrates. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 1638-1643.	3.3	489
17	Comparative genomics provides evidence for an ancient genome duplication event in fish. Philosophical Transactions of the Royal Society B: Biological Sciences, 2001, 356, 1661-1679.	1.8	450
18	Transgenerational impact of intimate partner violence on methylation in the promoter of the glucocorticoid receptor. Translational Psychiatry, 2011, 1, e21-e21.	2.4	433

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19	Phylogenetic relationships and evolutionary processes in East African cichlid fishes. Trends in Ecology and Evolution, 1993, 8, 279-284.	4.2	393
20	PHENOTYPIC PLASTICITY AND HETEROCHRONY IN CICHLASOMA MANAGUENSE (PISCES, CICHLIDAE) AND THEIR IMPLICATIONS FOR SPECIATION IN CICHLID FISHES. Evolution; International Journal of Organic Evolution, 1987, 41, 1357-1369.	1.1	380
21	Origin, Spread and Demography of the Mycobacterium tuberculosis Complex. PLoS Pathogens, 2008, 4, e1000160.	2.1	378
22	Phylogenetic performance of mitochondrial protein-coding genes in resolving relationships among vertebrates. Molecular Biology and Evolution, 1996, 13, 933-942.	3.5	371
23	Adaptation in the age of ecological genomics: insights from parallelism and convergence. Trends in Ecology and Evolution, 2011, 26, 298-306.	4.2	366
24	Origin of the Superflock of Cichlid Fishes from Lake Victoria, East Africa. Science, 2003, 300, 325-329.	6.0	357
25	Evidence of Selection upon Genomic GC-Content in Bacteria. PLoS Genetics, 2010, 6, e1001107.	1.5	355
26	Mitochondrial cytochrome b: evolution and structure of the protein. Biochimica Et Biophysica Acta - Bioenergetics, 1993, 1143, 243-271.	0.5	328
27	Genetic divergence, speciation and morphological stasis in a lineage of African cichlid fishes. Nature, 1992, 358, 578-581.	13.7	318
28	Out of Tanganyika: genesis, explosive speciation, key-innovations and phylogeography of the haplochromine cichlid fishes. BMC Evolutionary Biology, 2005, 5, 17.	3.2	313
29	Timing of Genome Duplications Relative to the Origin of the Vertebrates: Did Cyclostomes Diverge before or after?. Molecular Biology and Evolution, 2008, 26, 47-59.	3.5	281
30	Multiple overseas dispersal in amphibians. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 2435-2442.	1.2	276
31	More genes in fish?. BioEssays, 1998, 20, 511-515.	1.2	264
32	Recurrent origin of a sexually selected trait in Xiphophorus fishes inferred from a molecular phylogeny. Nature, 1994, 368, 539-542.	13.7	262
33	Phylotranscriptomic consolidation of the jawed vertebrate timetree. Nature Ecology and Evolution, 2017, 1, 1370-1378.	3.4	247
34	Phylogeny of the Lake Tanganyika Cichlid Species Flock and Its Relationship to the Central and East African Haplochromine Cichlid Fish Faunas. Systematic Biology, 2002, 51, 113-135.	2.7	243
35	Initial Diversification of Living Amphibians Predated the Breakup of Pangaea. American Naturalist, 2005, 165, 590-599.	1.0	228
36	Shortcomings of the cytochrome b gene as a molecular marker. Trends in Ecology and Evolution, 1994, 9, 278-280.	4.2	216

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37	Evolutionary conservation of microsatellite flanking regions and their use in resolving the phylogeny of cichlid fishes (Pisces: Perciformes). Proceedings of the Royal Society B: Biological Sciences, 1996, 263, 1589-1598.	1.2	215
38	Origin of tetrapods inferred from their mitochondrial DNA affiliation to lungfish. Journal of Molecular Evolution, 1990, 31, 359-364.	0.8	206
39	Microsporidia: accumulating molecular evidence that a group of amitochondriate and suspectedly primitive eukaryotes are just curious fungi. Gene, 2000, 246, 1-8.	1.0	204
40	Rapid evolution and selection inferred from the transcriptomes of sympatric crater lake cichlid fishes. Molecular Ecology, 2010, 19, 197-211.	2.0	203
41	GLOBAL SURVEY OF MITOCHONDRIAL DNA SEQUENCES IN THE THREESPINE STICKLEBACK: EVIDENCE FOR RECENT MIGRATIONS. Evolution; International Journal of Organic Evolution, 1994, 48, 608-622.	1.1	199
42	Complete mitochondrial genome suggests diapsid affinities of turtles. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 14226-14231.	3.3	194
43	The species flocks of East African cichlid fishes: recent advances in molecular phylogenetics and population genetics. Die Naturwissenschaften, 2004, 91, 277-90.	0.6	191
44	Recent Advances in the (Molecular) Phylogeny of Vertebrates. Annual Review of Ecology, Evolution, and Systematics, 2003, 34, 311-338.	3.8	190
45	Origin of the antitropical distribution pattern in marine mussels (Mytilus spp.): routes and timing of transequatorial migration. Marine Biology, 2000, 136, 69-77.	0.7	189
46	Revised phylogeny of whales suggested by mitochondrial ribosomal DNA sequences. Nature, 1993, 361, 346-348.	13.7	187
47	Independent adaptation to riverine habitats allowed survival of ancient cetacean lineages. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 11343-11347.	3.3	186
48	The seahorse genome and the evolution of its specialized morphology. Nature, 2016, 540, 395-399.	13.7	186
49	Closing of the Tethys Sea and the phylogeny of Eurasian killifishes (Cyprinodontiformes:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	0.8	182
50	Replicated evolution of trophic specializations in an endemic cichlid fish lineage from Lake Tanganyika. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 10230-10235.	3.3	181
51	The Cytochrome b Gene as a Phylogenetic Marker: The Limits of Resolution for Analyzing Relationships Among Cichlid Fishes. Journal of Molecular Evolution, 2001, 53, 89-103.	0.8	180
52	The Radiation of Characiform Fishes and the Limits of Resolution of Mitochondrial Ribosomal DNA Sequences. Systematic Biology, 1997, 46, 75-100.	2.7	177
53	THE DYNAMICS OF MALE BROODING, MATING PATTERNS, AND SEX ROLES IN PIPEFISHES AND SEAHORSES (FAMILY SYNGNATHIDAE). Evolution; International Journal of Organic Evolution, 2003, 57, 1374-1386.	1.1	176
54	Hox clusters as models for vertebrate genome evolution. Trends in Genetics, 2005, 21, 421-424.	2.9	173

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55	Phenotypic Plasticity and Heterochrony in Cichlasoma managuense (Pisces, Chichlidae) and their Implications for Speciation in Cichlid Fishes. Evolution; International Journal of Organic Evolution, 1987, 41, 1357.	1.1	172
56	The Ghost of Selection Past: Rates of Evolution and Functional Divergence of Anciently Duplicated Genes. Journal of Molecular Evolution, 2001, 53, 436-446.	0.8	172
57	Ecological and evolutionary consequences of the trophic polymorphism in Cichlasoma citrinellum (Pisces: Cichlidae). Biological Journal of the Linnean Society, 1990, 39, 279-299.	0.7	171
58	Homology and developmental genes. Trends in Genetics, 1997, 13, 432-433.	2.9	169
59	Nuclear protein-coding genes support lungfish and not the coelacanth as the closest living relatives of land vertebrates. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4900-4905.	3.3	168
60	A novel song parameter correlates with extra-pair paternity and reflects male longevity. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 1479-1485.	1.2	162
61	Local variation and parallel evolution: morphological and genetic diversity across a species complex of neotropical crater lake cichlid fishes. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 1763-1782.	1.8	162
62	Phylogenomics uncovers early hybridization and adaptive loci shaping the radiation of Lake Tanganyika cichlid fishes. Nature Communications, 2018, 9, 3159.	5.8	162
63	A phylogenetic and biogeographic perspective on the evolution of poeciliid fishes. Molecular Phylogenetics and Evolution, 2007, 43, 986-998.	1.2	160
64	How plasticity, genetic assimilation and cryptic genetic variation may contribute to adaptive radiations. Molecular Ecology, 2017, 26, 330-350.	2.0	160
65	The sterlet sturgeon genome sequence and the mechanisms of segmental rediploidization. Nature Ecology and Evolution, 2020, 4, 841-852.	3.4	159
66	Male Pregnancy in Seahorses and Pipefishes (Family Syngnathidae): Rapid Diversification of Paternal Brood Pouch Morphology Inferred From a Molecular Phylogeny. , 2001, 92, 159-166.		157
67	Genome duplication, divergent resolution and speciation. Trends in Genetics, 2001, 17, 299-301.	2.9	157
68	Parallel evolution of Nicaraguan crater lake cichlid fishes via non-parallel routes. Nature Communications, 2014, 5, 5168.	5.8	157
69	Space, sympatry and speciation. Journal of Evolutionary Biology, 2009, 22, 2332-2341.	0.8	152
70	Natural hybridization in primates: One evolutionary mechanism. Zoology, 2006, 109, 261-276.	0.6	151
71	GEOMETRIC MORPHOMETRIC ANALYSES PROVIDE EVIDENCE FOR THE ADAPTIVE CHARACTER OF THE TANGANYIKAN CICHLID FISH RADIATIONS. Evolution; International Journal of Organic Evolution, 2007, 61, 560-578.	1.1	151
72	Limitations of Metazoan 18S rRNA Sequence Data: Implications for Reconstructing a Phylogeny of the Animal Kingdom and Inferring the Reality of the Cambrian Explosion. Journal of Molecular Evolution, 1998, 47, 394-405.	0.8	150

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73	Novel Relationships Among Ten Fish Model Species Revealed Based on a Phylogenomic Analysis Using ESTs. Journal of Molecular Evolution, 2006, 62, 772-784.	0.8	150
74	Adaptive phenotypic plasticity in the Midas cichlid fish pharyngeal jaw and its relevance in adaptive radiation. BMC Evolutionary Biology, 2011, 11, 116.	3.2	147
75	Patterns of nucleotide change in mitochondrial ribosomal RNA genes and the phylogeny of piranhas. Journal of Molecular Evolution, 1996, 42, 169-182.	0.8	144
76	Molecular Phylogeny of European Muroid Rodents Based on Complete Cytochrome b Sequences. Molecular Phylogenetics and Evolution, 2000, 16, 37-47.	1.2	138
77	Revealing cryptic diversity using molecular phylogenetics and phylogeography in frogs of the Scinax ruber and Rhinella margaritifera species groups. Molecular Phylogenetics and Evolution, 2007, 43, 567-582.	1.2	138
78	Escalation and trophic specialization drive adaptive radiation of freshwater gastropods in ancient lakes on Sulawesi, Indonesia. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 2541-2549.	1.2	137
79	An Updated and Comprehensive rRNA Phylogeny of (Crown) Eukaryotes Based on Rate-Calibrated Evolutionary Distances. Journal of Molecular Evolution, 2000, 51, 565-576.	0.8	136
80	Phylogeny and Comparative Substitution Rates of Frogs Inferred from Sequences of Three Nuclear Genes. Molecular Biology and Evolution, 2004, 21, 1188-1200.	3.5	136
81	Unusual mitochondrial DNA polymorphism in two local populations of blue tit Parus caeruleus. Molecular Ecology, 1992, 1, 27-36.	2.0	135
82	Phylogenetic analysis of the South American electric fishes (order Gymnotiformes) and the evolution of their electrogenic system: a synthesis based on morphology, electrophysiology, and mitochondrial sequence data.. Molecular Biology and Evolution, 1995, 12, 298-318.	3.5	134
83	Cost of morphological specialization: feeding performance of the two morphs in the trophically polymorphic cichlid fish, Cichlasoma citrinellum. Oecologia, 1989, 80, 431-436.	0.9	132
84	Case studies and mathematical models of ecological speciation. 1. Cichlids in a crater lake. Molecular Ecology, 2007, 16, 2893-2909.	2.0	132
85	Giant lungfish genome elucidates the conquest of land by vertebrates. Nature, 2021, 590, 284-289.	13.7	132
86	Agouti-related peptide 2 facilitates convergent evolution of stripe patterns across cichlid fish radiations. Science, 2018, 362, 457-460.	6.0	131
87	Evolutionary Conservation of Regulatory Elements in Vertebrate Hox Gene Clusters. Genome Research, 2003, 13, 1111-1122.	2.4	130
88	The evolutionary position of turtles revised. Die Naturwissenschaften, 2001, 88, 193-200.	0.6	128
89	Ancient lakes as evolutionary reservoirs: evidence from the thalassoid gastropods of Lake Tanganyika. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 529-536.	1.2	128
90	Mitochondrial DNA Phylogeny of the Family Cichlidae: Monophyly and Fast Molecular Evolution of the Neotropical Assemblage. Journal of Molecular Evolution, 1999, 48, 703-711.	0.8	127

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91	Total evidence: Molecules, morphology, and the phylogenetics of cichlid fishes. , 2000, 288, 76-92.		125
92	The Complete Nucleotide Sequence of the Mitochondrial Genome of the Lungfish (Protopterus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142, 1249-1263.	1.2	124
93	Incipient speciation in sympatric Nicaraguan crater lake cichlid fishes: sexual selection versus ecological diversification. Proceedings of the Royal Society B: Biological Sciences, 2000, 267, 2133-2141.	1.2	123
94	Nuclear gene phylogeny of narrow-mouthed toads (Family: Microhylidae) and a discussion of competing hypotheses concerning their biogeographical origins. Molecular Phylogenetics and Evolution, 2007, 44, 1017-1030.	1.2	121
95	COLOR ASSORTATIVE MATING CONTRIBUTES TO SYMPATRIC DIVERGENCE OF NEOTROPICAL CICHLID FISH. Evolution; International Journal of Organic Evolution, 2009, 63, 2750-2757.	1.1	120
96	Cichlids of the Rift Lakes. Scientific American, 1999, 280, 64-69.	1.0	119
97	Genomic incompatibilities in the diploid and tetraploid offspring of the goldfish Ã— common carp cross. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1327-1332.	3.3	119
98	The Complete Mitochondrial DNA Sequence of the Bichir (Polypterus ornatipinnis), a Basal Ray-Finned Fish: Ancient Establishment of the Consensus Vertebrate Gene Order. Genetics, 1996, 144, 1165-1180.	1.2	119
99	The Midas cichlid species complex: incipient sympatric speciation in Nicaraguan cichlid fishes?. Molecular Ecology, 2004, 13, 2061-2076.	2.0	116
100	Contrasting signatures of genomic divergence during sympatric speciation. Nature, 2020, 588, 106-111.	13.7	115
101	Searching for the Closest Living Relative(s) of Tetrapods Through Evolutionary Analysis of Mitochondrial and Nuclear Data. Molecular Biology and Evolution, 1998, 15, 506-517.	3.5	114
102	Evolutionary relationships of the coelacanth, lungfishes, and tetrapods based on the 28S ribosomal RNA gene.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 5449-5454.	3.3	112
103	Rapid sympatric ecological differentiation of crater lake cichlid fishes within historic times. BMC Biology, 2010, 8, 60.	1.7	112
104	The evolutionary history of <scp>X</scp>iphophorus fish and their sexually selected sword: a genomeâ€wide approach using restriction siteâ€associated <scp>DNA</scp> sequencing. Molecular Ecology, 2013, 22, 2986-3001.	2.0	112
105	Large sequence divergence among mitochondrial DNA genotypes within populations of eastern African black-backed jackals.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 1772-1776.	3.3	110
106	Morphometrics and allometry in the trophically polymorphic cichlid fish,Cichlasoma citrinellum: Alternative adaptations and ontogenetic changes in shape. Journal of Zoology, 1990, 221, 237-260.	0.8	110
107	The Complete DNA Sequence of the Mitochondrial Genome of a â€œLiving Fossil,â€•the Coelacanth (Latimeria chalumnae). Genetics, 1997, 146, 995-1010.	1.2	107
108	Population structure in two sympatric species of the Lake Tanganyika cichlid tribe Eretmodini: evidence for introgression. Molecular Ecology, 2001, 10, 1207-1225.	2.0	105

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109	Body shape variation in cichlid fishes of the Amphilophus citrinellus species complex. Biological Journal of the Linnean Society, 2003, 80, 397-408.	0.7	105
110	Three rounds (1R/2R/3R) of genome duplications and the evolution of the glycolytic pathway in vertebrates. BMC Biology, 2006, 4, 16.	1.7	105
111	Hybrid origin of a swordtail species (Teleostei: Xiphophorus clemenciae) driven by sexual selection. Molecular Ecology, 2006, 15, 721-730.	2.0	105
112	Post-mating clutch piracy in an amphibian. Nature, 2004, 431, 305-308.	13.7	104
113	TaxI: a software tool for DNA barcoding using distance methods. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 1975-1980.	1.8	104
114	On the origin of and phylogenetic relationships among living amphibians. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 7380-7383.	3.3	103
115	Mitochondrial DNA sequences and multiple data sets: a phylogenetic study of phytophagous beetles (Chrysomelidae: Ophraella).. Molecular Biology and Evolution, 1995, 12, 627-40.	3.5	102
116	Epigenetic modifications of the glucocorticoid receptor gene are associated with the vulnerability to psychopathology in childhood maltreatment. Translational Psychiatry, 2015, 5, e571-e571.	2.4	102
117	The evolution and maintenance of Hox gene clusters in vertebrates and the teleost-specific genome duplication. International Journal of Developmental Biology, 2009, 53, 765-773.	0.3	101
118	Many genes in fish have species-specific asymmetric rates of molecular evolution. BMC Genomics, 2006, 7, 20.	1.2	100
119	Genomic architecture of ecologically divergent body shape in a pair of sympatric crater lake cichlid fishes. Molecular Ecology, 2014, 23, 1828-1845.	2.0	99
120	What, if Anything, is a Tilapia?â€”Mitochondrial ND2 Phylogeny of Tilapiines and the Evolution of Parental Care Systems in the African Cichlid Fishes. Molecular Biology and Evolution, 2002, 19, 865-883.	3.5	98
121	Multispecies Outcomes of Sympatric Speciation after Admixture with the Source Population in Two Radiations of Nicaraguan Crater Lake Cichlids. PLoS Genetics, 2016, 12, e1006157.	1.5	97
122	New evidence for parallel evolution of colour patterns in Malagasy poison frogs (Mantella). Molecular Ecology, 2004, 13, 3763-3774.	2.0	96
123	Population genetic analysis of Arapaima gigas, one of the largest freshwater fishes of the Amazon basin: implications for its conservation. Animal Conservation, 2005, 8, 297-308.	1.5	96
124	Mitochondrial phylogeny of the endemic mouthbrooding lineages of cichlid fishes from Lake Tanganyika in eastern Africa.. Molecular Biology and Evolution, 1993, 10, 751-68.	3.5	95
125	Historical Biogeography of the New-World Pupfish Genus Cyprinodon (Teleostei: Cyprinodontidae). Copeia, 2005, 2005, 320-339.	1.4	95
126	Induction and prepatterning of the zebrafish pectoral fin bud requires axial retinoic acid signaling. Development (Cambridge), 2006, 133, 2649-2659.	1.2	94

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127	Adaptive sequence evolution in a color gene involved in the formation of the characteristic egg-dummies of male haplochromine cichlid fishes. BMC Biology, 2007, 5, 51.	1.7	93
128	Mitochondrial phylogeny of the Lamprologini, the major substrate spawning lineage of cichild fishes from Lake Tanganyika in eastern Africa.. Molecular Biology and Evolution, 1994, 11, 691-703.	3.5	92
129	Kin-structured subpopulations in Eurasian perch (Perca fluviatilis L.). Heredity, 2001, 86, 213-221.	1.2	92
130	The evolution of copulatory organs, internal fertilization, placentae and viviparity in killifishes (Cyprinodontiformes) inferred from a DNA phylogeny of the tyrosine kinase gene X-src. Proceedings of the Royal Society B: Biological Sciences, 1993, 254, 153-162.	1.2	90
131	Phylogeography, colonization and population history of the Midas cichlid species complex (Amphilophus spp.) in the Nicaraguan crater lakes. BMC Evolutionary Biology, 2010, 10, 326.	3.2	90
132	Molecules, fossils, and the origin of tetrapods. Journal of Molecular Evolution, 1992, 35, 102-13.	0.8	89
133	Beyond the neckless phenotype: influence of reduced retinoic acid signaling on motor neuron development in the zebrafish hindbrain. Developmental Biology, 2004, 271, 119-129.	0.9	89
134	The phylogenetic position of the zebrafish (Danio rerio) , a model system in developmental biology: an invitation to the comparative method. Proceedings of the Royal Society B: Biological Sciences, 1993, 252, 231-236.	1.2	88
135	Homology evolving. Trends in Ecology and Evolution, 2001, 16, 434-440.	4.2	88
136	Phylogeny of all major groups of cetaceans based on DNA sequences from three mitochondrial genes.. Molecular Biology and Evolution, 1994, 11, 939-48.	3.5	86
137	Mitochondrial phylogeography of rock-dwelling cichlid fishes reveals evolutionary influence of historical lake level fluctuations of Lake Tanganyika, Africa. Philosophical Transactions of the Royal Society B: Biological Sciences, 1996, 351, 797-805.	1.8	86
138	Shaping development through mechanical strain: the transcriptional basis of dietâ€induced phenotypic plasticity in a cichlid fish. Molecular Ecology, 2013, 22, 4516-4531.	2.0	85
139	Vertebrate genomics: More fishy tales about Hox genes. Current Biology, 1999, 9, R210-R213.	1.8	83
140	Transcriptomics of morphological color change in polychromatic Midas cichlids. BMC Genomics, 2013, 14, 171.	1.2	83
141	Regulatory gene networks that shape the development of adaptive phenotypic plasticity in a cichlid fish. Molecular Ecology, 2014, 23, 4511-4526.	2.0	83
142	Pleistocene desiccation in East Africa bottlenecked but did not extirpate the adaptive radiation of Lake Victoria haplochromine cichlid fishes. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13404-13409.	3.3	82
143	Parsing parallel evolution: ecological divergence and differential gene expression in the adaptive radiations of thickâ€lipped <scp>M</scp>idas cichlid fishes from <scp>N</scp>icaragua. Molecular Ecology, 2013, 22, 650-669.	2.0	82
144	A HISTORY OF HOST ASSOCIATIONS AND EVOLUTIONARY DIVERSIFICATION FOROPHRAELLA(COLEOPTERA: CHRYSOMELIDAE): NEW EVIDENCE FROM MITOCHONDRIAL DNA. Evolution; International Journal of Organic Evolution, 1995, 49, 1008-1017.	1.1	81

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145	Multilocus Phylogeny of Chichlid Fishes (Pisces: Perciformes): Evolutionary Comparison of Microsatellite and Single-Copy Nuclear Loci. Molecular Biology and Evolution, 1998, 15, 798-808.	3.5	81
146	Evolution of Receptors for Growth Hormone and Somatolactin in Fish and Land Vertebrates: Lessons from the Lungfish and Sturgeon Orthologues. Journal of Molecular Evolution, 2007, 65, 359-372.	0.8	80
147	A Hybrid Genetic Linkage Map of Two Ecologically and Morphologically Divergent Midas Cichlid Fishes (Amphilophusspp.) Obtained by Massively Parallel DNA Sequencing (ddRADSeq). G3: Genes, Genomes, Genetics, 2013, 3, 65-74.	0.8	79
148	Mitochondrial Phylogeny of Trematomid Fishes (Nototheniidae, Perciformes) and the Evolution of Antarctic Fish. Molecular Phylogenetics and Evolution, 1996, 5, 383-390.	1.2	78
149	Global Survey of Mitochondrial DNA Sequences in the Threespine Stickleback: Evidence for Recent Migrations. Evolution; International Journal of Organic Evolution, 1994, 48, 608.	1.1	77
150	Deciphering host migrations and origins by means of their microbes. Molecular Ecology, 2005, 14, 3289-3306.	2.0	77
151	Comparative phylogenomic analyses of teleost fish Hox gene clusters: lessons from the cichlid fish Astatotilapia burtoni. BMC Genomics, 2007, 8, 317.	1.2	77
152	A previously unrecognized radiation of ranid frogs in Southern Africa revealed by nuclear and mitochondrial DNA sequences. Molecular Phylogenetics and Evolution, 2005, 37, 674-685.	1.2	76
153	Novel evolutionary relationship among four fish model systems. Trends in Genetics, 2004, 20, 424-431.	2.9	74
154	The Evolutionary Genomics of Cichlid Fishes: Explosive Speciation and Adaptation in the Postgenomic Era. Annual Review of Genomics and Human Genetics, 2014, 15, 417-441.	2.5	74
155	Platyrrhine systematics: A simultaneous analysis of molecular and morphological data. , 1998, 106, 261-281.		73
156	The rise and spread of a new pathogen: Seroresistant Moraxella catarrhalis. Genome Research, 2007, 17, 1647-1656.	2.4	73
157	Trans-species polymorphism of class IIMhc loci in danio fishes. Immunogenetics, 1996, 44, 36-48.	1.2	72
158	Are all fishes ancient polyploids?. Journal of Structural and Functional Genomics, 2003, 3, 65-73.	1.2	71
159	Asymmetric Evolution in Two Fish-Specifically Duplicated Receptor Tyrosine Kinase Paralogons Involved in Teleost Coloration. Molecular Biology and Evolution, 2006, 23, 1192-1202.	3.5	71
160	Unresolved orthology and peculiar coding sequence properties of lamprey genes: the KCNA gene family as test case. BMC Genomics, 2011, 12, 325.	1.2	70
161	The Gut Microbial Community of Midas Cichlid Fish in Repeatedly Evolved Limnetic-Benthic Species Pairs. PLoS ONE, 2014, 9, e95027.	1.1	68
162	Phylogeography of the vairone (Leuciscus souffia , Risso 1826) in Central Europe. Molecular Ecology, 2003, 12, 2371-2386.	2.0	67

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