Axel Meyer

List of Publications by Citations

467 papers	36,347 citations	97 h-index	176 g-index
505 ext. papers	41,651 ext. citations	8 avg, IF	7.48 L-index

#	Paper	IF	Citations
467	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, 6196-200	11.5	3800
466	Monophyletic origin of Lake Victoria cichlid fishes suggested by mitochondrial DNA sequences. *Nature*, **1990**, 347, 550-3	50.4	797
465	From 2R to 3R: evidence for a fish-specific genome duplication (FSGD). *BioEssays*, **2005**, 27, 937-45	4.1	772
464	The evolutionary significance of ancient genome duplications. *Nature Reviews Genetics*, **2009**, 10, 725-32	30.1	710
463	Shape analysis of symmetric structures: quantifying variation among individuals and asymmetry. *Evolution; International Journal of Organic Evolution*, **2002**, 56, 1909-20	3.8	684
462	Genome duplication, a trait shared by 22000 species of ray-finned fish. *Genome Research*, **2003**, 13, 382-90	9.7	671
461	The genomic substrate for adaptive radiation in African cichlid fish. *Nature*, **2014**, 513, 375-381	50.4	656
460	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	9	637
459	Sympatric speciation in Nicaraguan crater lake cichlid fish. *Nature*, **2006**, 439, 719-23	50.4	505
458	The African coelacanth genome provides insights into tetrapod evolution. *Nature*, **2013**, 496, 311-6	50.4	488
457	Sequencing of the sea lamprey (Petromyzon marinus) genome provides insights into vertebrate evolution. *Nature Genetics*, **2013**, 45, 415-21, 421e1-2	36.3	465
456	Phylogenetic timing of the fish-specific genome duplication correlates with the diversification of teleost fish. *Journal of Molecular Evolution*, **2004**, 59, 190-203	3.1	464
455	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, 1638-43	11.5	444
454	Asymmetric paralog evolution between the "cryptic" gene Bmp16 and its well-studied sister genes Bmp2 and Bmp4. *Scientific Reports*, **2019**, 9, 3136	4.9	392
453	Comparative genomics provides evidence for an ancient genome duplication event in fish. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2001**, 356, 1661-79	5.8	386
452	Transgenerational impact of intimate partner violence on methylation in the promoter of the glucocorticoid receptor. *Translational Psychiatry*, **2011**, 1, e21	8.6	364
451	The spotted gar genome illuminates vertebrate evolution and facilitates human-teleost comparisons. *Nature Genetics*, **2016**, 48, 427-37	36.3	352

450	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	3.8	349
449	Phylogenetic relationships and evolutionary processes in East African cichlid fishes. *Trends in Ecology and Evolution*, **1993**, 8, 279-84	10.9	348
448	Origin, spread and demography of the Mycobacterium tuberculosis complex. *PLoS Pathogens*, **2008**, 4, e1000160	7.6	320
447	Origin of the superflock of cichlid fishes from Lake Victoria, East Africa. *Science*, **2003**, 300, 325-9	33.3	310
446	Phylogenetic performance of mitochondrial protein-coding genes in resolving relationships among vertebrates. *Molecular Biology and Evolution*, **1996**, 13, 933-42	8.3	293
445	Genetic divergence, speciation and morphological stasis in a lineage of African cichlid fishes. *Nature* , **1992**, 358, 578-81	50.4	289
444	Adaptation in the age of ecological genomics: insights from parallelism and convergence. *Trends in Ecology and Evolution*, **2011**, 26, 298-306	10.9	288
443	Out of Tanganyika: genesis, explosive speciation, key-innovations and phylogeography of the haplochromine cichlid fishes. *BMC Evolutionary Biology*, **2005**, 5, 17	3	278
442	Mitochondrial cytochrome b: evolution and structure of the protein. *Biochimica Et Biophysica Acta - Bioenergetics*, **1993**, 1143, 243-71	4.6	273
441	Evidence of selection upon genomic GC-content in bacteria. *PLoS Genetics*, **2010**, 6, e1001107	6	261
440	Timing of genome duplications relative to the origin of the vertebrates: did cyclostomes diverge before or after?. *Molecular Biology and Evolution*, **2009**, 26, 47-59	8.3	247
439	Recurrent origin of a sexually selected trait in Xiphophorus fishes inferred from a molecular phylogeny. *Nature*, **1994**, 368, 539-42	50.4	241
438	Multiple overseas dispersal in amphibians. *Proceedings of the Royal Society B: Biological Sciences*, **2003**, 270, 2435-42	4.4	235
437	More genes in fish?. *BioEssays*, **1998**, 20, 511-515	4.1	223
436	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, 113-35	8.4	218
435	Initial diversification of living amphibians predated the breakup of Pangaea. *American Naturalist*, **2005**, 165, 590-9	3.7	202
434	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, 1589-98	4.4	188
433	Shortcomings of the cytochrome b gene as a molecular marker. *Trends in Ecology and Evolution*, **1994**, 9, 278-80	10.9	186

432	Rapid evolution and selection inferred from the transcriptomes of sympatric crater lake cichlid fishes. *Molecular Ecology*, **2010**, 19 Suppl 1, 197-211	5.7	180
431	GLOBAL SURVEY OF MITOCHONDRIAL DNA SEQUENCES IN THE THREESPINE STICKLEBACK: EVIDENCE FOR RECENT MIGRATIONS. *Evolution; International Journal of Organic Evolution*, **1994**, 48, 608-622	3.8	180
430	Origin of tetrapods inferred from their mitochondrial DNA affiliation to lungfish. *Journal of Molecular Evolution*, **1990**, 31, 359-64	3.1	179
429	Microsporidia: accumulating molecular evidence that a group of amitochondriate and suspectedly primitive eukaryotes are just curious fungi. *Gene*, **2000**, 246, 1-8	3.8	175
428	Complete mitochondrial genome suggests diapsid affinities of turtles. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 14226-31	11.5	172
427	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, 11343-7	11.5	167
426	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	3.8	167
425	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, 10230-5	11.5	164
424	The species flocks of East African cichlid fishes: recent advances in molecular phylogenetics and population genetics. *Die Naturwissenschaften*, **2004**, 91, 277-90	2	161
423	Revised phylogeny of whales suggested by mitochondrial ribosomal DNA sequences. *Nature*, **1993**, 361, 346-8	50.4	161
422	Towards complete and error-free genome assemblies of all vertebrate species. *Nature*, **2021**, 592, 737-746	50.4	161
421	The ghost of selection past: rates of evolution and functional divergence of anciently duplicated genes. *Journal of Molecular Evolution*, **2001**, 53, 436-46	3.1	158
420	Origin of the antitropical distribution pattern in marine mussels (Mytilus spp.): routes and timing of transequatorial migration. *Marine Biology*, **2000**, 136, 69-77	2.5	158
419	The radiation of characiform fishes and the limits of resolution of mitochondrial ribosomal DNA sequences. *Systematic Biology*, **1997**, 46, 75-100	8.4	155
418	Homology and developmental genes. *Trends in Genetics*, **1997**, 13, 432-3	8.5	153
417	Closing of the Tethys Sea and the phylogeny of Eurasian killifishes (Cyprinodontiformes: Cyprinodontidae). *Journal of Evolutionary Biology*, **2003**, 16, 17-36	2.3	152
416	Hox clusters as models for vertebrate genome evolution. *Trends in Genetics*, **2005**, 21, 421-4	8.5	152
415	Recent Advances in the (Molecular) Phylogeny of Vertebrates. *Annual Review of Ecology, Evolution, and Systematics*, **2003**, 34, 311-338	13.5	151

414	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	3.1	149
413	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, 4900-5	11.5	148
412	Genome duplication, divergent resolution and speciation. *Trends in Genetics*, **2001**, 17, 299-301	8.5	145
411	The dynamics of male brooding, mating patterns, and sex roles in pipefishes and seahorses (family Syngnathidae). *Evolution; International Journal of Organic Evolution*, **2003**, 57, 1374-86	3.8	141
410	Novel relationships among ten fish model species revealed based on a phylogenomic analysis using ESTs. *Journal of Molecular Evolution*, **2006**, 62, 772-84	3.1	140
409	Ecological and evolutionary consequences of the trophic polymorphism in Cichlasoma citrinellum (Pisces: Cichlidae). *Biological Journal of the Linnean Society*, **1990**, 39, 279-299	1.9	139
408	Geometric morphometric analyses provide evidence for the adaptive character of the Tanganyikan cichlid fish radiations. *Evolution; International Journal of Organic Evolution*, **2007**, 61, 560-78	3.8	138
407	Patterns of nucleotide change in mitochondrial ribosomal RNA genes and the phylogeny of piranhas. *Journal of Molecular Evolution*, **1996**, 42, 169-82	3.1	135
406	Phylotranscriptomic consolidation of the jawed vertebrate timetree. *Nature Ecology and Evolution*, **2017**, 1, 1370-1378	12.3	134
405	A phylogenetic and biogeographic perspective on the evolution of poeciliid fishes. *Molecular Phylogenetics and Evolution*, **2007**, 43, 986-98	4.1	132
404	Natural hybridization in primates: one evolutionary mechanism. *Zoology*, **2006**, 109, 261-76	1.7	132
403	A novel song parameter correlates with extra-pair paternity and reflects male longevity. *Proceedings of the Royal Society B: Biological Sciences*, **2002**, 269, 1479-85	4.4	132
402	Cost of morphological specialization: feeding performance of the two morphs in the trophically polymorphic cichlid fish, Cichlasoma citrinellum. *Oecologia*, **1989**, 80, 431-436	2.9	128
401	Adaptive phenotypic plasticity in the Midas cichlid fish pharyngeal jaw and its relevance in adaptive radiation. *BMC Evolutionary Biology*, **2011**, 11, 116	3	127
400	Space, sympatry and speciation. *Journal of Evolutionary Biology*, **2009**, 22, 2332-41	2.3	127
399	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, 1763-82	5.8	126
398	Phylogeny and comparative substitution rates of frogs inferred from sequences of three nuclear genes. *Molecular Biology and Evolution*, **2004**, 21, 1188-200	8.3	125
397	Male pregnancy in seahorses and pipefishes (family Syngnathidae): rapid diversification of paternal brood pouch morphology inferred from a molecular phylogeny. *Journal of Heredity*, **2001**, 92, 159-66	2.4	125

396	An updated and comprehensive rRNA phylogeny of (crown) eukaryotes based on rate-calibrated evolutionary distances. *Journal of Molecular Evolution*, **2000**, 51, 565-76	3.1	123
395	Unusual mitochondrial DNA polymorphism in two local populations of blue tit Parus caeruleus. *Molecular Ecology*, **1992**, 1, 27-36	5.7	123
394	The evolutionary position of turtles revised. *Die Naturwissenschaften*, **2001**, 88, 193-200	2	121
393	Molecular phylogeny of European muroid rodents based on complete cytochrome b sequences. *Molecular Phylogenetics and Evolution*, **2000**, 16, 37-47	4.1	121
392	How plasticity, genetic assimilation and cryptic genetic variation may contribute to adaptive radiations. *Molecular Ecology*, **2017**, 26, 330-350	5.7	120
391	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, 567-82	4.1	118
390	Parallel evolution of Nicaraguan crater lake cichlid fishes via non-parallel routes. *Nature Communications*, **2014**, 5, 5168	17.4	116
389	Case studies and mathematical models of ecological speciation. 1. Cichlids in a crater lake. *Molecular Ecology*, **2007**, 16, 2893-909	5.7	115
388	Ancient lakes as evolutionary reservoirs: evidence from the thalassoid gastropods of Lake Tanganyika. *Proceedings of the Royal Society B: Biological Sciences*, **2004**, 271, 529-36	4.4	115
387	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, 2541-9	4.4	114
386	Evolutionary conservation of regulatory elements in vertebrate Hox gene clusters. *Genome Research*, **2003**, 13, 1111-22	9.7	114
385	The seahorse genome and the evolution of its specialized morphology. *Nature*, **2016**, 540, 395-399	50.4	111
384	Phylogenomics uncovers early hybridization and adaptive loci shaping the radiation of Lake Tanganyika cichlid fishes. *Nature Communications*, **2018**, 9, 3159	17.4	108
383	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	3.1	106
382	Incipient speciation in sympatric Nicaraguan crater lake cichlid fishes: sexual selection versus ecological diversification. *Proceedings of the Royal Society B: Biological Sciences*, **2000**, 267, 2133-41	4.4	105
381	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, 1017-30	4.1	104
380	Searching for the closest living relative(s) of tetrapods through evolutionary analyses of mitochondrial and nuclear data. *Molecular Biology and Evolution*, **1998**, 15, 506-17	8.3	104
379	Mitochondrial DNA phylogeny of the family Cichlidae: monophyly and fast molecular evolution of the neotropical assemblage. *Journal of Molecular Evolution*, **1999**, 48, 703-11	3.1	104

378	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	2	102
377	Color assortative mating contributes to sympatric divergence of neotropical cichlid fish. *Evolution; International Journal of Organic Evolution*, **2009**, 63, 2750-7	3.8	100
376	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	8.3	100
375	The Midas cichlid species complex: incipient sympatric speciation in Nicaraguan cichlid fishes?. *Molecular Ecology*, **2004**, 13, 2061-76	5.7	99
374	Population structure in two sympatric species of the Lake Tanganyika cichlid tribe Eretmodini: evidence for introgression. *Molecular Ecology*, **2001**, 10, 1207-25	5.7	99
373	Rapid sympatric ecological differentiation of crater lake cichlid fishes within historic times. *BMC Biology*, **2010**, 8, 60	7.3	98
372	Body shape variation in cichlid fishes of the Amphilophus citrinellus species complex. *Biological Journal of the Linnean Society*, **2003**, 80, 397-408	1.9	97
371	Total evidence: Molecules, morphology, and the phylogenetics of cichlid fishes **2000**, 288, 76-92		97
370	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, 1165-80	4	95
369	Post-mating clutch piracy in an amphibian. *Nature*, **2004**, 431, 305-8	50.4	94
368	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, 7380-3	11.5	94
367	Cichlids of the Rift Lakes. *Scientific American*, **1999**, 280, 64-69	0.5	94
366	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, 5449-54	11.5	94
365	The complete nucleotide sequence of the mitochondrial genome of the lungfish (Protopterus dolloi) supports its phylogenetic position as a close relative of land vertebrates. *Genetics*, **1996**, 142, 1249-63	4	94
364	Hybrid origin of a swordtail species (Teleostei: Xiphophorus clemenciae) driven by sexual selection. *Molecular Ecology*, **2006**, 15, 721-30	5.7	93
363	Three rounds (1R/2R/3R) of genome duplications and the evolution of the glycolytic pathway in vertebrates. *BMC Biology*, **2006**, 4, 16	7.3	92
362	What, if anything, is a Tilapia?-mitochondrial ND2 phylogeny of tilapiines and the evolution of parental care systems in the African cichlid fishes. *Molecular Biology and Evolution*, **2002**, 19, 865-83	8.3	90
361	Many genes in fish have species-specific asymmetric rates of molecular evolution. *BMC Genomics*, **2006**, 7, 20	4.5	89

360	New evidence for parallel evolution of colour patterns in Malagasy poison frogs (Mantella). *Molecular Ecology*, **2004**, 13, 3763-74	5.7	89
359	Genomic architecture of ecologically divergent body shape in a pair of sympatric crater lake cichlid fishes. *Molecular Ecology*, **2014**, 23, 1828-45	5.7	88
358	The evolutionary history of Xiphophorus fish and their sexually selected sword: a genome-wide approach using restriction site-associated DNA sequencing. *Molecular Ecology*, **2013**, 22, 2986-3001	5.7	86
357	The evolution and maintenance of Hox gene clusters in vertebrates and the teleost-specific genome duplication. *International Journal of Developmental Biology*, **2009**, 53, 765-73	1.9	86
356	TaxI: a software tool for DNA barcoding using distance methods. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2005**, 360, 1975-80	5.8	85
355	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, 1772-6	11.5	85
354	The complete DNA sequence of the mitochondrial genome of a "living fossil," the coelacanth (Latimeria chalumnae). *Genetics*, **1997**, 146, 995-1010	4	85
353	Induction and prepatterning of the zebrafish pectoral fin bud requires axial retinoic acid signaling. *Development (Cambridge)*, **2006**, 133, 2649-59	6.6	84
352	Kin-structured subpopulations in Eurasian perch (Perca fluviatilis L.). *Heredity*, **2001**, 86, 213-21	3.6	84
351	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	7.3	83
350	Genomic incompatibilities in the diploid and tetraploid offspring of the goldfish × common carp cross. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 1327-32	11.5	80
349	Historical Biogeography of the New-World Pupfish Genus Cyprinodon (Teleostei: Cyprinodontidae). *Copeia*, **2005**, 2005, 320-339	1.1	80
348	Beyond the neckless phenotype: influence of reduced retinoic acid signaling on motor neuron development in the zebrafish hindbrain. *Developmental Biology*, **2004**, 271, 119-29	3.1	80
347	Homology evolving. *Trends in Ecology and Evolution*, **2001**, 16, 434-440	10.9	79
346	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	3.2	78
345	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	5.8	78
344	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, 153-62	4.4	78
343	Epigenetic modifications of the glucocorticoid receptor gene are associated with the vulnerability to psychopathology in childhood maltreatment. *Translational Psychiatry*, **2015**, 5, e571	8.6	77

342	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, 359-72	3.1	77
341	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, 231-6	4.4	77
340	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	8.3	77
339	Agouti-related peptide 2 facilitates convergent evolution of stripe patterns across cichlid fish radiations. *Science*, **2018**, 362, 457-460	33.3	76
338	Multilocus phylogeny of cichlid fishes (Pisces: Perciformes): evolutionary comparison of microsatellite and single-copy nuclear loci. *Molecular Biology and Evolution*, **1998**, 15, 798-808	8.3	74
337	Mitochondrial phylogeny of trematomid fishes (Nototheniidae, Perciformes) and the evolution of Antarctic fish. *Molecular Phylogenetics and Evolution*, **1996**, 5, 383-90	4.1	74
336	Novel evolutionary relationship among four fish model systems. *Trends in Genetics*, **2004**, 20, 424-31	8.5	73
335	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	71
334	Mitochondrial phylogeny of the endemic mouthbrooding lineages of cichlid fishes from Lake Tanganyika in eastern Africa. *Molecular Biology and Evolution*, **1993**, 10, 751-68	8.3	71
333	Global Survey of Mitochondrial DNA Sequences in the Threespine Stickleback: Evidence for Recent Migrations. *Evolution; International Journal of Organic Evolution*, **1994**, 48, 608	3.8	71
332	Mitochondrial DNA sequences and multiple data sets: a phylogenetic study of phytophagous beetles (Chrysomelidae: Ophraella). *Molecular Biology and Evolution*, **1995**, 12, 627-40	8.3	71
331	Molecules, fossils, and the origin of tetrapods. *Journal of Molecular Evolution*, **1992**, 35, 102-13	3.1	71
330	Shaping development through mechanical strain: the transcriptional basis of diet-induced phenotypic plasticity in a cichlid fish. *Molecular Ecology*, **2013**, 22, 4516-31	5.7	70
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328	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, 13404-9	11.5	69
327	Asymmetric evolution in two fish-specifically duplicated receptor tyrosine kinase paralogons involved in teleost coloration. *Molecular Biology and Evolution*, **2006**, 23, 1192-202	8.3	67
326	A HISTORY OF HOST ASSOCIATIONS AND EVOLUTIONARY DIVERSIFICATION FOR OPHRAELLA (COLEOPTERA: CHRYSOMELIDAE): NEW EVIDENCE FROM MITOCHONDRIAL DNA. *Evolution; International Journal of Organic Evolution*, **1995**, 49, 1008-1017	3.8	67
325	A previously unrecognized radiation of ranid frogs in Southern Africa revealed by nuclear and mitochondrial DNA sequences. *Molecular Phylogenetics and Evolution*, **2005**, 37, 674-85	4.1	66

324	Vertebrate genomics: More fishy tales about Hox genes. *Current Biology*, **1999**, 9, R210-3	6.3	66
323	Multispecies Outcomes of Sympatric Speciation after Admixture with the Source Population in Two Radiations of Nicaraguan Crater Lake Cichlids. *PLoS Genetics*, **2016**, 12, e1006157	6	66
322	The sterlet sturgeon genome sequence and the mechanisms of segmental rediploidization. *Nature Ecology and Evolution*, **2020**, 4, 841-852	12.3	65
321	Parsing parallel evolution: ecological divergence and differential gene expression in the adaptive radiations of thick-lipped Midas cichlid fishes from Nicaragua. *Molecular Ecology*, **2013**, 22, 650-69	5.7	65
320	Are all fishes ancient polyploids?. *Journal of Structural and Functional Genomics*, **2003**, 3, 65-73		65
319	Trans-species polymorphism of class II Mhc loci in danio fishes. *Immunogenetics*, **1996**, 44, 36-48	3.2	65
318	Comparative phylogenomic analyses of teleost fish Hox gene clusters: lessons from the cichlid fish Astatotilapia burtoni. *BMC Genomics*, **2007**, 8, 317	4.5	64
317	Regulatory gene networks that shape the development of adaptive phenotypic plasticity in a cichlid fish. *Molecular Ecology*, **2014**, 23, 4511-26	5.7	63
316	The rise and spread of a new pathogen: seroresistant Moraxella catarrhalis. *Genome Research*, **2007**, 17, 1647-56	9.7	62
315	Dealing with saturation at the amino acid level: a case study based on anciently duplicated zebrafish genes. *Gene*, **2002**, 295, 205-11	3.8	62
314	Phylogeny of all major groups of cetaceans based on DNA sequences from three mitochondrial genes. *Molecular Biology and Evolution*, **1994**, 11, 939-48	8.3	62
313	Complete mitochondrial genome sequences of the South american and the Australian lungfish: testing of the phylogenetic performance of mitochondrial data sets for phylogenetic problems in tetrapod relationships. *Journal of Molecular Evolution*, **2004**, 59, 834-48	3.1	61
312	The evolutionary genomics of cichlid fishes: explosive speciation and adaptation in the postgenomic era. *Annual Review of Genomics and Human Genetics*, **2014**, 15, 417-41	9.7	60
311	A hybrid genetic linkage map of two ecologically and morphologically divergent Midas cichlid fishes (Amphilophus spp.) obtained by massively parallel DNA sequencing (ddRADSeq). *G3: Genes, Genomes, Genetics*, **2013**, 3, 65-74	3.2	59
310	Platyrrhine systematics: a simultaneous analysis of molecular and morphological data. *American Journal of Physical Anthropology*, **1998**, 106, 261-81	2.5	59
309	Multiple origin of viviparity in Southeast Asian gastropods (Cerithioidea: Pachychilidae) and its evolutionary implications. *Evolution; International Journal of Organic Evolution*, **2004**, 58, 2215-26	3.8	59
308	Phylogeography of the vairone (Leuciscus souffia, Risso 1826) in Central Europe. *Molecular Ecology*, **2003**, 12, 2371-86	5.7	59
307	Evolution and orthology of hedgehog genes. *Trends in Genetics*, **1996**, 12, 496-7	8.5	59

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305	Mitochondrial and nuclear rRNA based copepod phylogeny with emphasis on the Euchaetidae (Calanoida). *Marine Biology*, **1999**, 133, 79-90	2.5	58
304	A microsatellite-based genetic linkage map of the cichlid fish, Astatotilapia burtoni (Teleostei): a comparison of genomic architectures among rapidly speciating cichlids. *Genetics*, **2009**, 182, 387-97	4	57
303	Transcriptomics of morphological color change in polychromatic Midas cichlids. *BMC Genomics*, **2013**, 14, 171	4.5	55
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