Axel Meyer

List of Publications by Year in Descending Order

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	An intronic transposon insertion associates with a trans-species color polymorphism in Midas cichlid fishes.. *Nature Communications*, **2022**, 13, 296	17.4	3
466	The repeated evolution of stripe patterns is correlated with body morphology in the adaptive radiations of East African cichlid fishes.. *Ecology and Evolution*, **2022**, 12, e8568	2.8	0
465	Genomic basis of evolutionary adaptation in a warm-blooded fish.. *Innovation(China)*, **2022**, 3, 100185	17.8	0
464	Transposon-induced epigenetic silencing in the X chromosome as a novel form of dmrt1 expression regulation during sex determination in the fighting fish.. *BMC Biology*, **2022**, 20, 5	7.3	7
463	Emergence of distinct syntenic density regimes is associated with early metazoan genomic transitions.. *BMC Genomics*, **2022**, 23, 143	4.5	0
462	Benefits and limitations of a new genome-based PCR-RFLP genotyping assay (GB-RFLP): A SNP-based detection method for identification of species in extremely young adaptive radiations.. *Ecology and Evolution*, **2022**, 12, e8751	2.8	
461	Genetic assimilation and the evolution of direction of genital asymmetry in anablepid fishes.. *Proceedings of the Royal Society B: Biological Sciences*, **2022**, 289, 20220266	4.4	
460	Dual function and associated costs of a highly exaggerated trait in a cichlid fish.. *Ecology and Evolution*, **2021**, 11, 17496-17508	2.8	0
459	Anthropogenic impact on the historical phytoplankton community of Lake Constance reconstructed by multimarker analysis of sediment-core environmental DNA. *Molecular Ecology*, **2021**, 30, 3040-3056	5.7	6
458	Reversed evolution of grazer resistance to cyanobacteria. *Nature Communications*, **2021**, 12, 1945	17.4	3
457	Diversity in visual sensitivity across Neotropical cichlid fishes via differential expression and intraretinal variation of opsin genes. *Molecular Ecology*, **2021**, 30, 1880-1891	5.7	1
456	Functional conservation and divergence of color-pattern-related agouti family genes in teleost fishes. *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, **2021**, 336, 443-450	1.8	1
455	Genomic Basis of Striking Fin Shapes and Colors in the Fighting Fish. *Molecular Biology and Evolution*, **2021**, 38, 3383-3396	8.3	13
454	Towards complete and error-free genome assemblies of all vertebrate species. *Nature*, **2021**, 592, 737-746	50.4	161
453	Neoceratodus forsteri (Australian lungfish). *Trends in Genetics*, **2021**, 37, 600-601	8.5	
452	The Developmental and Genetic Architecture of the Sexually Selected Male Ornament of Swordtails. *Current Biology*, **2021**, 31, 911-922.e4	6.3	10
451	The comparative genomic landscape of adaptive radiation in crater lake cichlid fishes. *Molecular Ecology*, **2021**, 30, 955-972	5.7	3

450	Different Sources of Allelic Variation Drove Repeated Color Pattern Divergence in Cichlid Fishes. *Molecular Biology and Evolution*, **2021**, 38, 465-477	8.3	8
449	Sympatric and Allopatric Diversification in the Adaptive Radiations of Midas Cichlids in Nicaraguan Lakes **2021**, 175-216		4
448	Genome sequences reveal global dispersal routes and suggest convergent genetic adaptations in seahorse evolution. *Nature Communications*, **2021**, 12, 1094	17.4	9
447	Nuisance species in lake constance revealed through eDNA. *Biological Invasions*, **2021**, 23, 1619-1636	2.7	1
446	Spiny and soft-rayed fin domains in acanthomorph fish are established through a BMP-- signaling network. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	1
445	Rapid adaptive radiation in a hillstream cyprinid fish in the East African White Nile River basin. *Molecular Ecology*, **2021**, 30, 5530-5550	5.7	2
444	Seadragon genome analysis provides insights into its phenotype and sex determination locus. *Science Advances*, **2021**, 7,	14.3	7
443	Of bars and stripes: A Malawi cichlid hybrid cross provides insights into genetic modularity and evolution of modifier loci underlying colour pattern diversification. *Molecular Ecology*, **2021**, 30, 4789-4803	5.7	1
442	Giant lungfish genome elucidates the conquest of land by vertebrates. *Nature*, **2021**, 590, 284-289	50.4	41
441	From asymmetrical to balanced genomic diversification during rediploidization: Subgenomic evolution in allotetraploid fish. *Science Advances*, **2020**, 6, eaaz7677	14.3	21
440	Grand Challenges in Comparative Tooth Biology. *Integrative and Comparative Biology*, **2020**, 60, 563-580	2.8	2
439	Phenotypic Plasticity in Vertebrate Dentitions. *Integrative and Comparative Biology*, **2020**, 60, 608-618	2.8	1
438	Habitat light sets the boundaries for the rapid evolution of cichlid fish vision, while sexual selection can tune it within those limits. *Molecular Ecology*, **2020**, 29, 1476-1493	5.7	5
437	Convergent Evolution of Cichlid Fish Pharyngeal Jaw Dentitions in Mollusk-Crushing Predators: Comparative X-Ray Computed Tomography of Tooth Sizes, Numbers, and Replacement. *Integrative and Comparative Biology*, **2020**, 60, 656-664	2.8	1
436	A Genomic Cluster Containing Novel and Conserved Genes is Associated with Cichlid Fish Dental Developmental Convergence. *Molecular Biology and Evolution*, **2020**, 37, 3165-3174	8.3	6
435	Developmental and Cellular Basis of Vertical Bar Color Patterns in the East African Cichlid Fish. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 62	5.7	12
434	Implementing Large Genomic Single Nucleotide Polymorphism Data Sets in Phylogenetic Network Reconstructions: A Case Study of Particularly Rapid Radiations of Cichlid Fish. *Systematic Biology*, **2020**, 69, 848-862	8.4	17
433	The sterlet sturgeon genome sequence and the mechanisms of segmental rediploidization. *Nature Ecology and Evolution*, **2020**, 4, 841-852	12.3	65

432	Reconstructing the Evolutionary History of Chromosomal Races on Islands: A Genome-Wide Analysis of Natural House Mouse Populations. *Molecular Biology and Evolution*, **2020**, 37, 2825-2837	8.3	6
431	Diving into divergence: Differentiation in swimming performances, physiology and gene expression between locally-adapted sympatric cichlid fishes. *Molecular Ecology*, **2020**, 29, 1219-1234	5.7	4
430	The mole genome reveals regulatory rearrangements associated with adaptive intersexuality. *Science*, **2020**, 370, 208-214	33.3	9
429	Optimized and affordable high-throughput sequencing workflow for preserved and nonpreserved small zooplankton specimens. *Molecular Ecology Resources*, **2020**, 20, 1632-1646	8.4	6
428	The direction of genital asymmetry is expressed stochastically in internally fertilizing anablepid fishes. *Proceedings of the Royal Society B: Biological Sciences*, **2020**, 287, 20200969	4.4	1
427	Neural innervation as a potential trigger of morphological color change and sexual dimorphism in cichlid fish. *Scientific Reports*, **2020**, 10, 12329	4.9	10
426	Contrasting signatures of genomic divergence during sympatric speciation. *Nature*, **2020**, 588, 106-111	50.4	41
425	Parallel and non-parallel changes of the gut microbiota during trophic diversification in repeated young adaptive radiations of sympatric cichlid fish. *Microbiome*, **2020**, 8, 149	16.6	4
424	Evolutionary dynamics of pre- and postzygotic reproductive isolation in cichlid fishes. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2020**, 375, 20190535	5.8	5
423	Sarcopterygian fin ontogeny elucidates the origin of hands with digits. *Science Advances*, **2020**, 6, eabc3510	14.3	17
422	Asymmetry in genitalia is in sync with lateralized mating behavior but not with the lateralization of other behaviors. *Environmental Epigenetics*, **2020**, 66, 71-81	2.4	8
421	Conservation and novelty in the microRNA genomic landscape of hyperdiverse cichlid fishes. *Scientific Reports*, **2019**, 9, 13848	4.9	12
420	Reverting ontogeny: rapid phenotypic plasticity of colour vision in cichlid fish. *Royal Society Open Science*, **2019**, 6, 190841	3.3	7
419	Lissamphibian limbs and the origins of tetrapod hox domains. *Developmental Biology*, **2019**, 456, 138-144	3.1	8
418	Divergent Allometric Trajectories in Gene Expression and Coexpression Produce Species Differences in Sympatrically Speciating Midas Cichlid Fish. *Genome Biology and Evolution*, **2019**, 11, 1644-1657	3.9	5
417	A comprehensive overview of the developmental basis and adaptive significance of a textbook polymorphism: head asymmetry in the cichlid fish Perissodus microlepis. *Hydrobiologia*, **2019**, 832, 65-84	2.4	11
416	Genome of the Malawi golden cichlid fish (Melanochromis auratus) reveals exon loss of oca2 in an amelanistic morph. *Pigment Cell and Melanoma Research*, **2019**, 32, 719-723	4.5	6
415	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

414	The genome of the arapaima (Arapaima gigas) provides insights into gigantism, fast growth and chromosomal sex determination system. *Scientific Reports*, **2019**, 9, 5293	4.9	15
413	Fragile DNA contributes to repeated evolution. *Genome Biology*, **2019**, 20, 39	18.3	3
412	Pleiotropic jaw morphology links the evolution of mechanical modularity and functional feeding convergence in Lake Malawi cichlids. *Proceedings of the Royal Society B: Biological Sciences*, **2019**, 286, 20182358	4.4	7
411	MicroRNA gene regulation in extremely young and parallel adaptive radiations of crater lake cichlid fish. *Molecular Biology and Evolution*, **2019**,	8.3	11
410	The Piranha Genome Provides Molecular Insight Associated to Its Unique Feeding Behavior. *Genome Biology and Evolution*, **2019**, 11, 2099-2106	3.9	7
409	Molecular and morphological convergence to sulfide-tolerant fishes in a new species of Jenynsia (Cyprinodontiformes: Anablepidae), the first extremophile member of the family. *PLoS ONE*, **2019**, 14, e0218810	3.7	9
408	Molecular Phylogenetic Inferences About the Evolutionary History of East African Cichlid Fish Radiations **2019**, 303-323		3
407	Evolutionary Dynamics of Structural Variation at a Key Locus for Color Pattern Diversification in Cichlid Fishes. *Genome Biology and Evolution*, **2019**, 11, 3452-3465	3.9	7
406	Early developmental and allometric patterns in the electric yellow cichlid Labidochromis caeruleus. *Journal of Fish Biology*, **2018**, 92, 1888-1901	1.9	5
405	Genetic evidence for panmixia in a colony-breeding crater lake cichlid fish. *Scientific Reports*, **2018**, 8, 1166	4.9	3
404	The skeletal ontogeny of Astatotilapia burtoni - a direct-developing model system for the evolution and development of the teleost body plan. *BMC Developmental Biology*, **2018**, 18, 8	3.1	18
403	Success of cuckoo catfish brood parasitism reflects coevolutionary history and individual experience of their cichlid hosts. *Science Advances*, **2018**, 4, eaar4380	14.3	15
402	Morphological and genetic correlates in the left□right asymmetric scale-eating cichlid fish of Lake Tanganyika. *Biological Journal of the Linnean Society*, **2018**, 124, 67-84	1.9	11
401	Evolutionary divergence of 3' UTRs in cichlid fishes. *BMC Genomics*, **2018**, 19, 433	4.5	10
400	Convergent phenotypic evolution of the visual system via different molecular routes: How Neotropical cichlid fishes adapt to novel light environments. *Evolution Letters*, **2018**, 2, 341-354	5.3	23
399	Phylogenomics uncovers early hybridization and adaptive loci shaping the radiation of Lake Tanganyika cichlid fishes. *Nature Communications*, **2018**, 9, 3159	17.4	108
398	Heterochronic opsin expression due to early light deprivation results in drastically shifted visual sensitivity in a cichlid fish: Possible role of thyroid hormone signaling. *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, **2018**, 330, 202-214	1.8	7
397	Gene(s) and individual feeding behavior: Exploring eco-evolutionary dynamics underlying left-right asymmetry in the scale-eating cichlid fish. *Ecology and Evolution*, **2018**, 8, 5495-5507	2.8	3

396	Dissecting a potential spandrel of adaptive radiation: Body depth and pectoral fin ecomorphology coevolve in Lake Malawi cichlid fishes. *Ecology and Evolution*, **2018**, 8, 11945-11953	2.8	7
395	Genome sequence of walking catfish (Clarias batrachus) provides insights into terrestrial adaptation. *BMC Genomics*, **2018**, 19, 952	4.5	22
394	Long-term experimental hybridisation results in the evolution of a new sex chromosome in swordtail fish. *Nature Communications*, **2018**, 9, 5136	17.4	14
393	Phylogenomics of a putatively convergent novelty: did hypertrophied lips evolve once or repeatedly in Lake Malawi cichlid fishes?. *BMC Evolutionary Biology*, **2018**, 18, 179	3	8
392	Agouti-related peptide 2 facilitates convergent evolution of stripe patterns across cichlid fish radiations. *Science*, **2018**, 362, 457-460	33.3	76
391	Lessons from a natural experiment: Allopatric morphological divergence and sympatric diversification in the Midas cichlid species complex are largely influenced by ecology in a deterministic way. *Evolution Letters*, **2018**, 2, 323-340	5.3	22
390	The imperiled fish fauna in the Nicaragua Canal zone. *Conservation Biology*, **2017**, 31, 86-95	6	10
389	Towards understanding the genetic basis of mouth asymmetry in the scale-eating cichlid Perissodus microlepis. *Molecular Ecology*, **2017**, 26, 77-91	5.7	21
388	Incipient speciation driven by hypertrophied lips in Midas cichlid fishes?. *Molecular Ecology*, **2017**, 26, 2348-2362	5.7	21
387	Genetic dissection of adaptive form and function in rapidly speciating cichlid fishes. *Evolution; International Journal of Organic Evolution*, **2017**, 71, 1297-1312	3.8	22
386	quaddRAD: a new high-multiplexing and PCR duplicate removal ddRAD protocol produces novel evolutionary insights in a nonradiating cichlid lineage. *Molecular Ecology*, **2017**, 26, 2783-2795	5.7	35
385	The role of rare morph advantage and conspicuousness in the stable gold-dark colour polymorphism of a crater lake Midas cichlid fish. *Journal of Animal Ecology*, **2017**, 86, 1044-1053	4.7	5
384	Phylogenomic analysis of a rapid radiation of misfit fishes (Syngnathiformes) using ultraconserved elements. *Molecular Phylogenetics and Evolution*, **2017**, 113, 33-48	4.1	29
383	Rapid and Parallel Adaptive Evolution of the Visual System of Neotropical Midas Cichlid Fishes. *Molecular Biology and Evolution*, **2017**, 34, 2469-2485	8.3	45
382	Phylogenomic analysis of Lake Malawi cichlid fishes: Further evidence that the three-stage model of diversification does not fit. *Molecular Phylogenetics and Evolution*, **2017**, 114, 40-48	4.1	9
381	Animal tracking meets migration genomics: transcriptomic analysis of a partially migratory bird species. *Molecular Ecology*, **2017**, 26, 3204-3216	5.7	30
380	Genome Compositional Organization in Gars Shows More Similarities to Mammals than to Other Ray-Finned Fish. *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, **2017**, 328, 607-619	1.8	19
379	Lateralized Feeding Behavior is Associated with Asymmetrical Neuroanatomy and Lateralized Gene Expressions in the Brain in Scale-Eating Cichlid Fish. *Genome Biology and Evolution*, **2017**, 9, 3122-3136	3.9	22

378	Tol2 transposon-mediated transgenesis in the Midas cichlid (Amphilophus citrinellus) - towards understanding gene function and regulatory evolution in an ecological model system for rapid phenotypic diversification. *BMC Developmental Biology*, **2017**, 17, 15	3.1	9
377	The Integrated Genomic Architecture and Evolution of Dental Divergence in East African Cichlid Fishes (x). *G3: Genes, Genomes, Genetics*, **2017**, 7, 3195-3202	3.2	14
376	Rapid adaptation to a novel light environment: The importance of ontogeny and phenotypic plasticity in shaping the visual system of Nicaraguan Midas cichlid fish (Amphilophus citrinellus spp.). *Molecular Ecology*, **2017**, 26, 5582-5593	5.7	31
375	Phylotranscriptomic consolidation of the jawed vertebrate timetree. *Nature Ecology and Evolution*, **2017**, 1, 1370-1378	12.3	134
374	Molecular investigation of genetic assimilation during the rapid adaptive radiations of East African cichlid fishes. *Molecular Ecology*, **2017**, 26, 6634-6653	5.7	17
373	How plasticity, genetic assimilation and cryptic genetic variation may contribute to adaptive radiations. *Molecular Ecology*, **2017**, 26, 330-350	5.7	120
372	The Identification of the Closest Living Relative(s) of Tetrapods: Phylogenomic Lessons for Resolving Short Ancient Internodes. *Systematic Biology*, **2016**, 65, 1057-1075	8.4	31
371	Critical Uncertainties and Gaps in the Environmental- and Social-Impact Assessment of the Proposed Interoceanic Canal through Nicaragua. *BioScience*, **2016**, 66, 632-645	5.7	7
370	Oil extraction imperils Africa's Great Lakes. *Science*, **2016**, 354, 561-562	33.3	4
369	Biting into the Genome to Phenome Map: Developmental Genetic Modularity of Cichlid Fish Dentitions. *Integrative and Comparative Biology*, **2016**, 56, 373-88	2.8	16
368	The Role of microRNAs in the Repeated Parallel Diversification of Lineages of Midas Cichlid Fish from Nicaragua. *Genome Biology and Evolution*, **2016**, 8, 1543-55	3.9	27
367	Are sympatrically speciating Midas cichlid fish special? Patterns of morphological and genetic variation in the closely related species Archocentrus centrarchus. *Ecology and Evolution*, **2016**, 6, 4102-14	2.8	18
366	Eco-morphological differentiation in Lake Magadi tilapia, an extremophile cichlid fish living in hot, alkaline and hypersaline lakes in East Africa. *Molecular Ecology*, **2016**, 25, 1610-25	5.7	18
365	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
364	The spotted gar genome illuminates vertebrate evolution and facilitates human-teleost comparisons. *Nature Genetics*, **2016**, 48, 427-37	36.3	352
363	Lessons Learnt, Open Research Questions and Recommendations. *Water Resources Development and Management*, **2016**, 279-292	0.1	
362	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
361	Do relaxed selection and habitat temperature facilitate biased mitogenomic introgression in a narrowly endemic fish?. *Ecology and Evolution*, **2016**, 6, 3684-3698	2.8	10

360	Genetic linkage of distinct adaptive traits in sympatrically speciating crater lake cichlid fish. *Nature Communications*, **2016**, 7, 12736	17.4	37
359	The seahorse genome and the evolution of its specialized morphology. *Nature*, **2016**, 540, 395-399	50.4	111
358	Genetic evidence for prevalence of alloparental care in a socially monogamous biparental cichlid fish, Perissodus microlepis, from Lake Tanganyika supports the "selfish shepherd effect" hypothesis. *Ecology and Evolution*, **2016**, 6, 2843-53	2.8	9
357	Chromosomal rearrangements, phenotypic variation and modularity: a case study from a contact zone between house mouse Robertsonian races in Central Italy. *Ecology and Evolution*, **2016**, 6, 1353-62	2.8	13
356	Fish Populations in East African Saline Lakes **2016**, 227-257		6
355	Evolution of the elaborate male intromittent organ of fishes. *Ecology and Evolution*, **2016**, 6, 7207-7220	2.8	4
354	Incipient sympatric speciation in Midas cichlid fish from the youngest and one of the smallest crater lakes in Nicaragua due to differential use of the benthic and limnetic habitats?. *Ecology and Evolution*, **2016**, 6, 5342-57	2.8	32
353	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
352	Ecological and Lineage-Specific Factors Drive the Molecular Evolution of Rhodopsin in Cichlid Fishes. *Molecular Biology and Evolution*, **2015**, 32, 2876-82	8.3	24
351	What big lips are good for: on the adaptive function of repeatedly evolved hypertrophied lips of cichlid fishes. *Biological Journal of the Linnean Society*, **2015**, 115, 448-455	1.9	19
350	Embryonic and larval development in the Midas cichlid fish species flock (Amphilophus spp.): a new evo-devo model for the investigation of adaptive novelties and species differences. *BMC Developmental Biology*, **2015**, 15, 12	3.1	21
349	Extreme Evolution. *Scientific American*, **2015**, 312, 70-75	0.5	4
348	Evolution: tinkering within gene regulatory landscapes. *Current Biology*, **2015**, 25, R285-8	6.3	9
347	Parallel evolution in Ugandan crater lakes: repeated evolution of limnetic body shapes in haplochromine cichlid fish. *BMC Evolutionary Biology*, **2015**, 15, 9	3	22
346	Genomics of Adaptation to Multiple Concurrent Stresses: Insights from Comparative Transcriptomics of a Cichlid Fish from One of Earth's Most Extreme Environments, the Hypersaline Soda Lake Magadi in Kenya, East Africa. *Journal of Molecular Evolution*, **2015**, 81, 90-109	3.1	30
345	Mapping active promoters by ChIP-seq profiling of H3K4me3 in cichlid fish - a first step to uncover cis-regulatory elements in ecological model teleosts. *Molecular Ecology Resources*, **2015**, 15, 761-71	8.4	9
344	Closing the genotype-phenotype gap: emerging technologies for evolutionary genetics in ecological model vertebrate systems. *BioEssays*, **2015**, 37, 213-26	4.1	40
343	Genetic and environmental effects on the morphological asymmetry in the scale-eating cichlid fish, Perissodus microlepis. *Ecology and Evolution*, **2015**, 5, 4277-86	2.8	18

342	Molecular Evolution of the Neural Crest Regulatory Network in Ray-Finned Fish. *Genome Biology and Evolution*, **2015**, 7, 3033-46	3.9	6
341	Sympatric ecological divergence associated with a color polymorphism. *BMC Biology*, **2015**, 13, 82	7.3	19
340	Sexual dimorphism in a trophically polymorphic cichlid fish?. *Journal of Morphology*, **2015**, 276, 1448-54	1.6	9
339	The phantoms of a high-seven - or - why do our thumbs stick out?. *Frontiers in Zoology*, **2015**, 12, 23	2.8	2
338	Intrastrand triplex DNA repeats in bacteria: a source of genomic instability. *Nucleic Acids Research*, **2015**, 43, 10126-42	20.1	15
337	Transcriptomics of two evolutionary novelties: how to make a sperm-transfer organ out of an anal fin and a sexually selected "sword" out of a caudal fin. *Ecology and Evolution*, **2015**, 5, 848-64	2.8	8
336	Revisiting de Beer's textbook example of heterochrony and jaw elongation in fish: calmodulin expression reflects heterochronic growth, and underlies morphological innovation in the jaws of belonoid fishes. *EvoDevo*, **2014**, 5, 8	3.2	24
335	One cost of being gold: selective predation and implications for the maintenance of the Midas cichlid colour polymorphism (Perciformes: Cichlidae). *Biological Journal of the Linnean Society*, **2014**, 111, 350-358	1.9	12
334	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
333	Differential predation on the two colour morphs of Nicaraguan Crater lake Midas cichlid fish: implications for the maintenance of its gold-dark polymorphism. *Biological Journal of the Linnean Society*, **2014**, 112, 123-131	1.9	15
332	Species-specific differences in adaptive phenotypic plasticity in an ecologically relevant trophic trait: hypertrophic lips in Midas cichlid fishes. *Evolution; International Journal of Organic Evolution*, **2014**, 68, 2086-91	3.8	30
331	Crater lake cichlids individually specialize along the benthic-limnetic axis. *Ecology and Evolution*, **2014**, 4, 1127-39	2.8	28
330	Evolutionary active transposable elements in the genome of the coelacanth. *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, **2014**, 322, 322-33	1.8	19
329	Parallel evolution of Nicaraguan crater lake cichlid fishes via non-parallel routes. *Nature Communications*, **2014**, 5, 5168	17.4	116
328	The genomic substrate for adaptive radiation in African cichlid fish. *Nature*, **2014**, 513, 375-381	50.4	656
327	Tempo and mode of recurrent polyploidization in the Carassius auratus species complex (Cypriniformes, Cyprinidae). *Heredity*, **2014**, 112, 415-27	3.6	32
326	Genetic mapping of horizontal stripes in Lake Victoria cichlid fishes: benefits and pitfalls of using RAD markers for dense linkage mapping. *Molecular Ecology*, **2014**, 23, 5224-40	5.7	47
325	Pronounced genetic differentiation of small, isolated and fragmented tilapia populations inhabiting the Magadi Soda Lake in Kenya. *Hydrobiologia*, **2014**, 739, 55-71	2.4	15

324	Regulatory gene networks that shape the development of adaptive phenotypic plasticity in a cichlid fish. *Molecular Ecology*, **2014**, 23, 4511-26	5.7	63
323	Molecular investigation of mechanical strain-induced phenotypic plasticity in the ecologically important pharyngeal jaws of cichlid fish. *Journal of Applied Ichthyology*, **2014**, 30, 630-635	0.9	21
322	The gut microbial community of Midas cichlid fish in repeatedly evolved limnetic-benthic species pairs. *PLoS ONE*, **2014**, 9, e95027	3.7	41
321	Conservation: Nicaragua Canal could wreak environmental ruin. *Nature*, **2014**, 506, 287-9	50.4	27
320	The imprinted NPAP1 gene in the Prader-Willi syndrome region belongs to a POM121-related family of retrogenes. *Genome Biology and Evolution*, **2014**, 6, 344-51	3.9	9
319	Evolution of genomic structural variation and genomic architecture in the adaptive radiations of African cichlid fishes. *Frontiers in Genetics*, **2014**, 5, 163	4.5	21
318	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
317	Crater lake habitat predicts morphological diversity in adaptive radiations of cichlid fishes. *Evolution; International Journal of Organic Evolution*, **2014**, 68, 2145-55	3.8	23
316	Evolution of the vertebrate Pax4/6 class of genes with focus on its novel member, the Pax10 gene. *Genome Biology and Evolution*, **2014**, 6, 1635-51	3.9	22
315	Introgressive hybridization and latitudinal admixture clines in North Atlantic eels. *BMC Evolutionary Biology*, **2014**, 14, 61	3	11
314	Comprehensive phylogenetic analysis of all species of swordtails and platies (Pisces: Genus Xiphophorus) uncovers a hybrid origin of a swordtail fish, Xiphophorus monticolus, and demonstrates that the sexually selected sword originated in the ancestral lineage of the genus, but was lost again secondarily. *BMC Evolutionary Biology*, **2013**, 13, 25	3	50
313	Transcriptomics of morphological color change in polychromatic Midas cichlids. *BMC Genomics*, **2013**, 14, 171	4.5	55
312	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
311	Crater lake colonization by neotropical cichlid fishes. *Evolution; International Journal of Organic Evolution*, **2013**, 67, 281-8	3.8	28
310	Multi-gene phylogeny of Madagascar's plated lizards, Zonosaurus and Tracheloptychus (Squamata: Gerrhosauridae). *Molecular Phylogenetics and Evolution*, **2013**, 69, 1215-21	4.1	4
309	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
308	The African coelacanth genome provides insights into tetrapod evolution. *Nature*, **2013**, 496, 311-6	50.4	488
307	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

306	Sequencing of the sea lamprey (Petromyzon marinus) genome provides insights into vertebrate evolution. *Nature Genetics*, **2013**, 45, 415-21, 421e1-2	36.3	465
305	Die Entschlüsselung des Genoms des Quastenflossers. *BioSpektrum*, **2013**, 19, 515-519	0.1	
304	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
303	Saltatory evolution of the ectodermal neural cortex gene family at the vertebrate origin. *Genome Biology and Evolution*, **2013**, 5, 1485-502	3.9	3
302	Revealing less derived nature of cartilaginous fish genomes with their evolutionary time scale inferred with nuclear genes. *PLoS ONE*, **2013**, 8, e66400	3.7	18
301	Resampling-based approaches to study variation in morphological modularity. *PLoS ONE*, **2013**, 8, e69376	3.7	29
300	Retinoic acid is involved in the metamorphosis of the anal fin into an intromittent organ, the gonopodium, in the green swordtail (Xiphophorus hellerii). *PLoS ONE*, **2013**, 8, e77580	3.7	5
299	A phylogeographic investigation of the hybrid origin of a species of swordtail fish from Mexico. *Molecular Ecology*, **2012**, 21, 2692-712	5.7	16
298	Asymmetric admixture and morphological variability at a suture zone: parapatric burbot subspecies (Pisces) in the Mackenzie River basin, Canada. *Hydrobiologia*, **2012**, 683, 217-229	2.4	9
297	Genomic signatures of divergent selection and speciation patterns in a 'natural experiment', the young parallel radiations of Nicaraguan crater lake cichlid fishes. *Molecular Ecology*, **2012**, 21, 4770-86	5.7	53
296	Rapid sympatric ecological differentiation of crater lake cichlid fishes within historic times. *BMC Biology*, **2012**, 10, 70	7.3	1
295	Mouth asymmetry in the textbook example of scale-eating cichlid fish is not a discrete dimorphism after all. *Proceedings of the Royal Society B: Biological Sciences*, **2012**, 279, 4715-23	4.4	23
294	Detection and phylogenetic assessment of conserved synteny derived from whole genome duplications. *Methods in Molecular Biology*, **2012**, 855, 385-95	1.4	18
293	Genomics of adaptation and speciation in cichlid fishes: recent advances and analyses in African and Neotropical lineages. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2012**, 367, 385-94	5.8	41
292	Horizontal transfers of Tc1 elements between teleost fishes and their vertebrate parasites, lampreys. *Genome Biology and Evolution*, **2012**, 4, 929-36	3.9	38
291	Introduced predator elicits deficient brood defence behaviour in a crater lake fish. *PLoS ONE*, **2012**, 7, e30064	3.7	18
290	Eggspot number and sexual selection in the cichlid fish Astatotilapia burtoni. *PLoS ONE*, **2012**, 7, e43695	3.7	8
289	Handed foraging behavior in scale-eating cichlid fish: its potential role in shaping morphological asymmetry. *PLoS ONE*, **2012**, 7, e44670	3.7	24

288	Adaptation in the age of ecological genomics: insights from parallelism and convergence. *Trends in Ecology and Evolution*, **2011**, 26, 298-306	10.9	288
287	Co-orthology of Pax4 and Pax6 to the fly eyeless gene: molecular phylogenetic, comparative genomic, and embryological analyses. *Evolution & Development*, **2011**, 13, 448-59	2.6	16
286	Independent fusions and recent origins of sex chromosomes in the evolution and diversification of glass knife fishes (Eigenmannia). *Heredity*, **2011**, 106, 391-400	3.6	31
285	Genetic structure and gene flow in an endangered native tilapia fish (Oreochromis esculentus) compared to invasive Nile tilapia (Oreochromis niloticus) in Yala swamp, East Africa. *Conservation Genetics*, **2011**, 12, 243-255	2.6	39
284	Species divergence and seasonal succession in rates of mate desertion in closely related Neotropical cichlid fishes. *Behavioral Ecology and Sociobiology*, **2011**, 65, 607-612	2.5	18
283	Adjustment of brood care behaviour in the absence of a mate in two species of Nicaraguan crater lake cichlids. *Behavioral Ecology and Sociobiology*, **2011**, 65, 613-619	2.5	20
282	Identification and characterization of gene expression involved in the coloration of cichlid fish using microarray and qRT-PCR approaches. *Journal of Molecular Evolution*, **2011**, 72, 127-37	3.1	13
281	Positive Darwinian selection drives the evolution of the morphology-related gene, EPCAM, in particularly species-rich lineages of African cichlid fishes. *Journal of Molecular Evolution*, **2011**, 73, 1-9	3.1	9
280	Ancestral and derived attributes of the dlx gene repertoire, cluster structure and expression patterns in an African cichlid fish. *EvoDevo*, **2011**, 2, 1	3.2	26
279	Adaptive phenotypic plasticity in the Midas cichlid fish pharyngeal jaw and its relevance in adaptive radiation. *BMC Evolutionary Biology*, **2011**, 11, 116	3	127
278	Unresolved orthology and peculiar coding sequence properties of lamprey genes: the KCNA gene family as test case. *BMC Genomics*, **2011**, 12, 325	4.5	52
277	Revisiting the origin of the vertebrate Hox14 by including its relict sarcopterygian members. *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, **2011**, 316, 515-25	1.8	15
276	Whole Genome Duplications and the Radiation of Vertebrates **2011**, 299-311		2
275	Heritability and adaptive significance of the number of egg-dummies in the cichlid fish Astatotilapia burtoni. *Proceedings of the Royal Society B: Biological Sciences*, **2011**, 278, 2318-24	4.4	7
274	Comparative genomics approach to detecting split-coding regions in a low-coverage genome: lessons from the chimaera Callorhinchus milii (Holocephali, Chondrichthyes). *Briefings in Bioinformatics*, **2011**, 12, 474-84	13.4	9
273	Cyclohexane-1,2-dione hydrolase from denitrifying Azoarcus sp. strain 22Lin, a novel member of the thiamine diphosphate enzyme family. *Journal of Bacteriology*, **2011**, 193, 6760-9	3.5	19
272	Transgenerational impact of intimate partner violence on methylation in the promoter of the glucocorticoid receptor. *Translational Psychiatry*, **2011**, 1, e21	8.6	364
271	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

270	Sympatric speciation without borders?. *Molecular Ecology*, **2010**, 19, 1991-3	5.7	3
269	George C. Williams (1926-2010). *Nature*, **2010**, 467, 790	50.4	0
268	2R or not 2R is not the question anymore. *Nature Reviews Genetics*, **2010**, 11, 166	30.1	43
267	Genetic support for random mating between left and right-mouth morphs in the dimorphic scale-eating cichlid fish Perissodus microlepis from Lake Tanganyika. *Journal of Fish Biology*, **2010**, 76, 1940-57	1.9	19
266	Genetic signatures in an invasive parasite of Anguilla anguilla correlate with differential stock management. *Journal of Fish Biology*, **2010**, 77, 191-210	1.9	5
265	Genetic structure of the vairone Telestes souffia in the eastern part of Lake Constance, central Europe. *Journal of Fish Biology*, **2010**, 77, 1158-64	1.9	1
264	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
263	Conservation of shh cis-regulatory architecture of the coelacanth is consistent with its ancestral phylogenetic position. *EvoDevo*, **2010**, 1, 11	3.2	14
262	Territorial aggression can be sensitive to the status of heterospecific intruders. *Behavioural Processes*, **2010**, 84, 598-601	1.6	38
261	Formation of oral and pharyngeal dentition in teleosts depends on differential recruitment of retinoic acid signaling. *FASEB Journal*, **2010**, 24, 3298-309	0.9	25
260	Genetic, comparative genomic, and expression analyses of the Mc1r locus in the polychromatic Midas cichlid fish (Teleostei, Cichlidae Amphilophus sp.) species group. *Journal of Molecular Evolution*, **2010**, 70, 405-12	3.1	30
259	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
258	Influence of Age and Size on the Response to Novel Prey by Fry of the Cichlid Fish Cichlasoma managuense (Pisces: Cichlidae). *Ethology*, **2010**, 78, 199-208	1.7	5
257	Rapid sympatric ecological differentiation of crater lake cichlid fishes within historic times. *BMC Biology*, **2010**, 8, 60	7.3	98
256	Evidence of selection upon genomic GC-content in bacteria. *PLoS Genetics*, **2010**, 6, e1001107	6	261
255	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
254	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
253	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

252	Cyclohexane-1,2-dione hydrolase: A new tool to degrade alicyclic compounds. *Journal of Molecular Catalysis B: Enzymatic*, **2009**, 61, 47-49		23
251	The origin of bmp16, a novel Bmp2/4 relative, retained in teleost fish genomes. *BMC Evolutionary Biology*, **2009**, 9, 277	3	36
250	Identification of novel genes involved in the development of the sword and gonopodium in swordtail fish. *Developmental Dynamics*, **2009**, 238, 1674-87	2.9	12
249	Genome desertification in eutherians: can gene deserts explain the uneven distribution of genes in placental mammalian genomes?. *Journal of Molecular Evolution*, **2009**, 69, 207-16	3.1	7
248	Dual control by a single gene of secondary sexual characters and mating preferences in medaka. *BMC Biology*, **2009**, 7, 64	7.3	49
247	Base composition, selection, and phylogenetic significance of indels in the recombination activating gene-1 in vertebrates. *Frontiers in Zoology*, **2009**, 6, 32	2.8	8
246	The evolutionary significance of ancient genome duplications. *Nature Reviews Genetics*, **2009**, 10, 725-32	30.1	710
245	Color assortative mating contributes to sympatric divergence of neotropical cichlid fish. *Evolution; International Journal of Organic Evolution*, **2009**, 63, 2750-7	3.8	100
244	A molecular phylogeny of True salamanders (family Salamandridae) and the evolution of terrestriality of reproductive modes. *Journal of Zoological Systematics and Evolutionary Research*, **2009**, 36, 7-16	1.9	51
243	Space, sympatry and speciation. *Journal of Evolutionary Biology*, **2009**, 22, 2332-41	2.3	127
242	Effects of constitutive expression of somatolactin alpha on skin pigmentation in medaka. *Gene*, **2009**, 442, 81-7	3.8	40
241	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
240	An organizer controls the development of the "sword," a sexually selected trait in swordtail fish. *Evolution & Development*, **2008**, 10, 403-12	2.6	10
239	The role of the Yala swamp lakes in the conservation of Lake Victoria region haplochromine cichlids: Evidence from genetic and trophic ecology studies. *Lakes and Reservoirs: Research and Management*, **2008**, 13, 95-104	1.2	13
238	Population structure of the parasitic nematode Anguillicola crassus, an invader of declining North Atlantic eel stocks. *Molecular Ecology*, **2008**, 17, 3478-95	5.7	44
237	Distinct migratory and non-migratory ecotypes of an endemic New Zealand eleotrid (Gobiomorphus cotidianus) - implications for incipient speciation in island freshwater fish species. *BMC Evolutionary Biology*, **2008**, 8, 49	3	27
236	Annotation of expressed sequence tags for the East African cichlid fish Astatotilapia burtoni and evolutionary analyses of cichlid ORFs. *BMC Genomics*, **2008**, 9, 96	4.5	47
235	Expression of zebrafish aldh1a3 (raldh3) and absence of aldh1a1 in teleosts. *Gene Expression Patterns*, **2008**, 8, 141-7	1.5	49

234	Origin, spread and demography of the Mycobacterium tuberculosis complex. *PLoS Pathogens*, **2008**, 4, e1000160	7.6	320
233	CEACAM3: an innate immune receptor directed against human-restricted bacterial pathogens. *International Journal of Medical Microbiology*, **2008**, 298, 553-60	3.7	28
232	Into the canyons: The phylogeography of the Malagasy frogs Mantella expectata and Scaphiophryne gottlebei in the arid Isalo Massif, and its significance for conservation (Amphibia: Mantellidae and Microhylidae). *Organisms Diversity and Evolution*, **2008**, 8, 368-377	1.7	7
231	Genomic analysis of cichlid fish 'natural mutants'. *Current Opinion in Genetics and Development*, **2008**, 18, 551-8	4.9	27
230	Isolation and characterization of 12 dinucleotide microsatellites in the European eel, Anguilla anguilla L., and tests of amplification in other species of eels. *Molecular Ecology Resources*, **2008**, 8, 1382-5	8.4	6
229	Rescue from oculocutaneous albinism type 4 using medaka slc45a2 cDNA driven by its own promoter. *Genetics*, **2008**, 178, 761-9	4	18
228	Noncanonical role of Hox14 revealed by its expression patterns in lamprey and shark. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 6679-83	11.5	42
227	Population genetic structure of North American burbot (Lota lota maculosa) across the Nearctic and at its contact zone with Eurasian burbot (Lota lota lota). *Canadian Journal of Fisheries and Aquatic Sciences*, **2008**, 65, 2412-2426	2.4	21
226	Will he still look good with the lights on? Spectral tuning of visual pigments in fish. *Journal of Biology*, **2008**, 7, 26		
225	Fgfr1 signalling in the development of a sexually selected trait in vertebrates, the sword of swordtail fish. *BMC Developmental Biology*, **2008**, 8, 98	3.1	29
224	Marine incursion: the freshwater herring of Lake Tanganyika are the product of a marine invasion into west Africa. *PLoS ONE*, **2008**, 3, e1979	3.7	25
223	PCR survey of hox genes in the goldfish Carassius auratus auratus. *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, **2007**, 308, 250-8	1.8	21
222	A phylogenetic and biogeographic perspective on the evolution of poeciliid fishes. *Molecular Phylogenetics and Evolution*, **2007**, 43, 986-98	4.1	132
221	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
220	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
219	Molecular phylogeny of Malagasy reed frogs, Heterixalus, and the relative performance of bioacoustics and color-patterns for resolving their systematics. *Molecular Phylogenetics and Evolution*, **2007**, 45, 14-22	4.1	27
218	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
217	Molecular phylogenetic evidence for paraphyly of the genus Sooglossus, with the description of a new genus of Seychellean frogs. *Biological Journal of the Linnean Society*, **2007**, 91, 347-359	1.9	21

216	Molecular systematics of mantelline frogs from Madagascar and the evolution of their femoral glands. *Biological Journal of the Linnean Society*, **2007**, 92, 529-539	1.9	36
215	Case studies and mathematical models of ecological speciation. 1. Cichlids in a crater lake. *Molecular Ecology*, **2007**, 16, 2893-909	5.7	115
214	Microsatellites from the vairone Leuciscus souffia (Pisces: Cyprinidae) and their application to closely related species. *Molecular Ecology Notes*, **2007**, 7, 1048-1050		14
213	Isolation and characterization of short tandem repeats in an invasive swimbladder nematode, parasitic in Atlantic freshwater eels, Anguillicola crassus. *Molecular Ecology Notes*, **2007**, 7, 1051-1053		7
212	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
211	Phylogenomic analyses of KCNA gene clusters in vertebrates: why do gene clusters stay intact?. *BMC Evolutionary Biology*, **2007**, 7, 139	3	19
210	Sampling genetic diversity in the sympatrically and allopatrically speciating Midas cichlid species complex over a 16 year time series. *BMC Evolutionary Biology*, **2007**, 7, 25	3	26
209	Comparative genomics of ParaHox clusters of teleost fishes: gene cluster breakup and the retention of gene sets following whole genome duplications. *BMC Genomics*, **2007**, 8, 312	4.5	38
208	Comparative phylogenomic analyses of teleost fish Hox gene clusters: lessons from the cichlid fish Astatotilapia burtoni. *BMC Genomics*, **2007**, 8, 317	4.5	64
207	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
206	The rise and spread of a new pathogen: seroresistant Moraxella catarrhalis. *Genome Research*, **2007**, 17, 1647-56	9.7	62
205	Positive selection and gene conversion in SPP120, a fertilization-related gene, during the East African cichlid fish radiation. *Molecular Biology and Evolution*, **2007**, 24, 2286-97	8.3	24
204	Functional diversification of sonic hedgehog paralog enhancers identified by phylogenomic reconstruction. *Genome Biology*, **2007**, 8, R106	18.3	14
203	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
202	Mitochondrial phylogeny and phylogeography of East African squeaker catfishes (Siluriformes: Synodontis). *BMC Evolutionary Biology*, **2006**, 6, 49	3	41
201	Many genes in fish have species-specific asymmetric rates of molecular evolution. *BMC Genomics*, **2006**, 7, 20	4.5	89
200	A BAC library of the East African haplochromine cichlid fish Astatotilapia burtoni. *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, **2006**, 306, 35-44	1.8	28
199	A BAC library for the goldfish Carassius auratus auratus (Cyprinidae, Cypriniformes). *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, **2006**, 306, 567-74	1.8	17

198	Repeating patterns of mimicry. *PLoS Biology*, **2006**, 4, e341	9.7	12
197	Induction and prepatterning of the zebrafish pectoral fin bud requires axial retinoic acid signaling. *Development (Cambridge)*, **2006**, 133, 2649-59	6.6	84
196	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
195	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
194	Natural hybridization in primates: one evolutionary mechanism. *Zoology*, **2006**, 109, 261-76	1.7	132
193	Hybrid origin of a swordtail species (Teleostei: Xiphophorus clemenciae) driven by sexual selection. *Molecular Ecology*, **2006**, 15, 721-30	5.7	93
192	Mitochondrial evidence for distinct phylogeographic units in the endangered Malagasy poison frog Mantella bernhardi. *Molecular Ecology*, **2006**, 15, 1617-25	5.7	26
191	Genetic admixture of burbot (Teleostei: Lota lota) in Lake Constance from two European glacial refugia. *Molecular Ecology*, **2006**, 15, 3583-600	5.7	21
190	Sympatric speciation in Nicaraguan crater lake cichlid fish. *Nature*, **2006**, 439, 719-23	50.4	505
189	Evidence for sympatric speciation? (Reply). *Nature*, **2006**, 444, E13-E13	50.4	8
188	Genetic identification of units for conservation in tomato frogs, genus Dyscophus. *Conservation Genetics*, **2006**, 7, 473-482	2.6	8
187	Genetic variation of an endangered Malagasy frog, Mantella cowani, and its phylogeographic relationship to the widespread M. baroni. *Conservation Genetics*, **2006**, 6, 1041-1047	2.6	5
186	Historical Biogeography of the New-World Pupfish Genus Cyprinodon (Teleostei: Cyprinodontidae). *Copeia*, **2005**, 2005, 320-339	1.1	80
185	Initial diversification of living amphibians predated the breakup of Pangaea. *American Naturalist*, **2005**, 165, 590-9	3.7	202
184	Analysis of the very large G-protein coupled receptor gene (Vlgr1/Mass1/USH2C) in zebrafish. *Gene*, **2005**, 353, 200-6	3.8	14
183	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
182	Large-Scale Gene and Ancient Genome Duplications **2005**, 329-368		14
181	Recurrent ecological adaptations revealed through a molecular analysis of the secretive cophyline frogs of Madagascar. *Molecular Phylogenetics and Evolution*, **2005**, 34, 315-22	4.1	48

180	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
179	Microsatellites from the burbot (Lota lota), a freshwater gadoid fish (Teleostei). *Molecular Ecology Notes*, **2005**, 5, 390-392		9
178	Old fish in a young lake: stone loach (Pisces: Barbatula barbatula) populations in Lake Constance are genetically isolated by distance. *Molecular Ecology*, **2005**, 14, 1229-39	5.7	32
177	Deciphering host migrations and origins by means of their microbes. *Molecular Ecology*, **2005**, 14, 3289-306	5.7	70
176	Evolutionary Biology: Cichlid species flocks of the past and present. *Heredity*, **2005**, 95, 419-20	3.6	4
175	Magic bullets and golden rules: data sampling in molecular phylogenetics. *Zoology*, **2005**, 108, 329-36	1.7	38
174	Hox clusters as models for vertebrate genome evolution. *Trends in Genetics*, **2005**, 21, 421-4	8.5	152
173	Out of Tanganyika: genesis, explosive speciation, key-innovations and phylogeography of the haplochromine cichlid fishes. *BMC Evolutionary Biology*, **2005**, 5, 17	3	278
172	From 2R to 3R: evidence for a fish-specific genome duplication (FSGD). *BioEssays*, **2005**, 27, 937-45	4.1	772
171	Comparative phylogenetic analyses of the adaptive radiation of Lake Tanganyika cichlid fish: nuclear sequences are less homoplasious but also less informative than mitochondrial DNA. *Journal of Molecular Evolution*, **2005**, 61, 666-81	3.1	46
170	Conservation and co-option in developmental programmes: the importance of homology relationships. *Frontiers in Zoology*, **2005**, 2, 15	2.8	19
169	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
168	Using gene-history and expression analyses to assess the involvement of LGI genes in human disorders. *Molecular Biology and Evolution*, **2005**, 22, 2209-16	8.3	18
167	Strong reproductive skew among males in the multiply mated swordtail Xiphophorus multilineatus (Teleostei). *Journal of Heredity*, **2005**, 96, 346-55	2.4	26
166	Response to Comment on "Origin of the Superflock of Cichlid Fishes from Lake Victoria, East Africa". *Science*, **2004**, 304, 963c-963c	33.3	3
165	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
164	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
163	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

162	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
161	The Midas cichlid species complex: incipient sympatric speciation in Nicaraguan cichlid fishes?. *Molecular Ecology*, **2004**, 13, 2061-76	5.7	99
160	Population-structure and genetic diversity in a haplochromine cichlid fish [corrected] of a satellite lake of Lake Victoria. *Molecular Ecology*, **2004**, 13, 2589-602	5.7	28
159	New evidence for parallel evolution of colour patterns in Malagasy poison frogs (Mantella). *Molecular Ecology*, **2004**, 13, 3763-74	5.7	89
158	Natural colonization or introduction? Phylogeographical relationships and morphological differentiation of house geckos (Hemidactylus) from Madagascar. *Biological Journal of the Linnean Society*, **2004**, 83, 115-130	1.9	39
157	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
156	Post-mating clutch piracy in an amphibian. *Nature*, **2004**, 431, 305-8	50.4	94
155	Learning from the Altmeister. *Nature*, **2004**, 428, 897	50.4	0
154	Novel evolutionary relationship among four fish model systems. *Trends in Genetics*, **2004**, 20, 424-31	8.5	73
153	The species flocks of East African cichlid fishes: recent advances in molecular phylogenetics and population genetics. *Die Naturwissenschaften*, **2004**, 91, 277-90	2	161
152	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
151	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
150	High mitochondrial diversity within and among populations of Malagasy poison frogs. *Molecular Phylogenetics and Evolution*, **2004**, 30, 295-307	4.1	25
149	Plate tectonics and biogeographical patterns of the Pseudophoxinus (Pisces: Cypriniformes) species complex of central Anatolia, Turkey. *Molecular Phylogenetics and Evolution*, **2004**, 32, 297-308	4.1	39
148	Novel phylogenetic relationships of the enigmatic brevicipitine and scaphiophrynine toads as revealed by sequences from the nuclear Rag-1 gene. *Proceedings of the Royal Society B: Biological Sciences*, **2004**, 271 Suppl 5, S378-81	4.4	23
147	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
146	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
145	Are all fishes ancient polyploids?. *Journal of Structural and Functional Genomics*, **2003**, 3, 65-73		65

144	'Natural selection merely modified while redundancy created'--Susumu Ohno's idea of the evolutionary importance of gene and genome duplications. *Journal of Structural and Functional Genomics*, **2003**, 3, vii-ix		9
143	Recent Advances in the (Molecular) Phylogeny of Vertebrates. *Annual Review of Ecology, Evolution, and Systematics*, **2003**, 34, 311-338	13.5	151
142	Closing of the Tethys Sea and the phylogeny of Eurasian killifishes (Cyprinodontiformes: Cyprinodontidae). *Journal of Evolutionary Biology*, **2003**, 16, 17-36	2.3	152
141	Phylogeography of the vairone (Leuciscus souffia, Risso 1826) in Central Europe. *Molecular Ecology*, **2003**, 12, 2371-86	5.7	59
140	Characterization and isolation of DNA microsatellite primers for Arapaima gigas, an economically important but severely over-exploited fish species of the Amazon basin. *Molecular Ecology Notes*, **2003**, 3, 128-130		38
139	Differential regulation of msx genes in the development of the gonopodium, an intromittent organ, and of the "sword," a sexually selected trait of swordtail fishes (Xiphophorus). *Evolution & Development*, **2003**, 5, 466-77	2.6	51
138	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
137	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
136	Evolutionary conservation of regulatory elements in vertebrate Hox gene clusters. *Genome Research*, **2003**, 13, 1111-22	9.7	114
135	Complete nucleotide sequence of the mitochondrial genome of a salamander, Mertensiella luschani. *Gene*, **2003**, 317, 17-27	3.8	25
134	Origin of the superflock of cichlid fishes from Lake Victoria, East Africa. *Science*, **2003**, 300, 325-9	33.3	310
133	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	3.8	11
132	Multiple overseas dispersal in amphibians. *Proceedings of the Royal Society B: Biological Sciences*, **2003**, 270, 2435-42	4.4	235
131	Genome duplication, a trait shared by 22000 species of ray-finned fish. *Genome Research*, **2003**, 13, 382-90	9.7	671
130	Are all fishes ancient polyploids? **2003**, 65-73		2
129	Are all fishes ancient polyploids?. *Journal of Structural and Functional Genomics*, **2003**, 3, 65-73		35
128	Evolution of duplicated reggie genes in zebrafish and goldfish. *Journal of Molecular Evolution*, **2002**, 54, 235-45	3.1	36
127	Molecular phylogeny and historical biogeography of the Aphanius (Pisces, Cyprinodontiformes) species complex of central Anatolia, Turkey. *Molecular Phylogenetics and Evolution*, **2002**, 25, 125-137	4.1	44

126	Exploring the potential of life-history key innovation: brook breeding in the radiation of the Malagasy treefrog genus Boophis. *Molecular Ecology*, **2002**, 11, 1453-63	5.7	37
125	Microsatellites in the genus Xiphophorus, developed in Xiphophorus montezumae. *Molecular Ecology Notes*, **2002**, 2, 4-6		27
124	Shape analysis of symmetric structures: quantifying variation among individuals and asymmetry. *Evolution; International Journal of Organic Evolution*, **2002**, 56, 1909-20	3.8	684
123	Wanda: a database of duplicated fish genes. *Nucleic Acids Research*, **2002**, 30, 109-12	20.1	29
122	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
121	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
120	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
119	Cloning of zebrafish T-box genes tbx15 and tbx18 and their expression during embryonic development. *Mechanisms of Development*, **2002**, 114, 137-41	1.7	43
118	Phylogenetic analyses suggest lateral gene transfer from the mitochondrion to the apicoplast. *Gene*, **2002**, 285, 109-18	3.8	20
117	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
116	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
115	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
114	The evolutionary position of turtles revised. *Die Naturwissenschaften*, **2001**, 88, 193-200	2	121
113	Microsatellite Analysis of Population Structure in the Endangered Hawaiian Monk Seal. *Conservation Biology*, **2001**, 15, 457-466	6	14
112	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
111	Hindbrain patterning revisited: timing and effects of retinoic acid signalling. *BioEssays*, **2001**, 23, 981-6	4.1	52
110	Evolutionary celebrities. *Nature*, **2001**, 410, 17-18	50.4	3
109	Genome duplication, divergent resolution and speciation. *Trends in Genetics*, **2001**, 17, 299-301	8.5	145

108	Revisiting recent challenges to the ancient fish-specific genome duplication hypothesis. *Current Biology*, **2001**, 11, R1005-8	6.3	46
107	Genome Duplications and Accelerated Evolution of Hox Genes and Cluster Architecture in Teleost Fishes. *American Zoologist*, **2001**, 41, 676-686		1
106	EVOLUTION: Explaining Exuberant Diversification. *Science*, **2001**, 294, 64-65	33.3	5
105	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
104	Evolution and discontinuous distribution of Rex3 retrotransposons in fish. *Molecular Biology and Evolution*, **2001**, 18, 427-31	8.3	42
103	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
102	Genome Duplications and Accelerated Evolution ofHoxGenes and Cluster Architecture in Teleost Fishes1. *American Zoologist*, **2001**, 41, 676-686		44
101	EVOLUTION: Growing Trees from Molecular Data. *Science*, **2001**, 294, 2297-2298	33.3	1
100	Kin-structured subpopulations in Eurasian perch (Perca fluviatilis L.). *Heredity*, **2001**, 86, 213-21	3.6	84
99	New takes on old lakes. *Trends in Ecology and Evolution*, **2001**, 16, 109-110	10.9	1
98	Homology evolving. *Trends in Ecology and Evolution*, **2001**, 16, 434-440	10.9	79
97	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
96	Total evidence: Molecules, morphology, and the phylogenetics of cichlid fishes **2000**, 288, 76-92		97
95	Molecular phylogeny of European muroid rodents based on complete cytochrome b sequences. *Molecular Phylogenetics and Evolution*, **2000**, 16, 37-47	4.1	121
94	Polymorphic DNA microsatellites identified in the yellow dung fly (Scathophaga stercoraria). *Molecular Ecology*, **2000**, 9, 2207-9	5.7	22
93	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
92	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
91	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

90	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
89	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
88	Fishing Stories. *Science*, **2000**, 288, 61-62	33.3	
87	Broad taxonomic applicability of microsatellites developed for the highly polymorphic neotropical cichlid, Amphilophus citrinellum. *Animal Genetics*, **2000**, 31, 151-2	2.5	14
86	Mitochondrial evidence on the phylogenetic position of caecilians (Amphibia: Gymnophiona). *Genetics*, **2000**, 155, 765-75	4	46
85	Total evidence: Molecules, morphology, and the phylogenetics of cichlid fishes **2000**, 288, 76		10
84	Total evidence: molecules, morphology, and the phylogenetics of cichlid fishes. *The Journal of Experimental Zoology*, **2000**, 288, 76-92		20
83	Construction of a variability map for eukaryotic large subunit ribosomal RNA. *Nucleic Acids Research* , **1999**, 27, 2825-31	20.1	43
82	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
81	Cichlids of the Rift Lakes. *Scientific American*, **1999**, 280, 64-69	0.5	94
80	Mitochondrial and nuclear rRNA based copepod phylogeny with emphasis on the Euchaetidae (Calanoida). *Marine Biology*, **1999**, 133, 79-90	2.5	58
79	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
78	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
77	Vertebrate genomics: More fishy tales about Hox genes. *Current Biology*, **1999**, 9, R210-3	6.3	66
76	Homology and homoplasy: the retention of genetic programmes. *Novartis Foundation Symposium*, **1999**, 222, 141-53; discussion 153-7		12
75	More genes in fish?. *BioEssays*, **1998**, 20, 511-515	4.1	223
74	Platyrrhine systematics: a simultaneous analysis of molecular and morphological data. *American Journal of Physical Anthropology*, **1998**, 106, 261-81	2.5	59
73	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

72	Cloning and characterization of a microsatellite in the mitochondrial control region of the African side-necked turtle, Pelomedusa subrufa. *Gene*, **1998**, 216, 149-53	3.8	37
71	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
70	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
69	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
68	Phylogeographic Patterns in Populations of Cichlid Fishes from Rocky Habitats in Lake Tanganyika **1997**, 97-111		18
67	Phylogenetic Relationships of Species of the Genus Brachyrhaphis (Poeciliidae) Inferred from Partial Mitochondrial DNA Sequences. *Copeia*, **1997**, 1997, 298	1.1	12
66	The radiation of characiform fishes and the limits of resolution of mitochondrial ribosomal DNA sequences. *Systematic Biology*, **1997**, 46, 75-100	8.4	155
65	The evolution of sexually selected traits in male swordtail fishes (Xiphophorus: Poeciliidae). *Heredity*, **1997**, 79, 329-337	3.6	46
64	Homology and developmental genes. *Trends in Genetics*, **1997**, 13, 432-3	8.5	153
63	Molecular phylogenetic information on the identity of the closest living relative(s) of land vertebrates. *Die Naturwissenschaften*, **1997**, 84, 389-97	2	37
62	Low Genetic Variability in the Hawaiian Monk Seal. *Conservation Biology*, **1997**, 11, 482-490	6	25
61	The complete DNA sequence of the mitochondrial genome of a "living fossil," the coelacanth (Latimeria chalumnae). *Genetics*, **1997**, 146, 995-1010	4	85
60	Molecular evolution of ependymin and the phylogenetic resolution of early divergences among euteleost fishes. *Molecular Biology and Evolution*, **1996**, 13, 556-73	8.3	43
59	Phylogenetic performance of mitochondrial protein-coding genes in resolving relationships among vertebrates. *Molecular Biology and Evolution*, **1996**, 13, 933-42	8.3	293
58	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
57	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
56	Interrelationships of Elopomorph Fishes **1996**, 175-191		30
55	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

54	Evolutionary analyses of hedgehog and Hoxd-10 genes in fish species closely related to the zebrafish. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 13036-41	11.5	46
53	Trans-species polymorphism of class II Mhc loci in danio fishes. *Immunogenetics*, **1996**, 44, 36-48	3.2	65
52	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
51	Evolution and orthology of hedgehog genes. *Trends in Genetics*, **1996**, 12, 496-7	8.5	59
50	Molecular systematics (2nd edn). *Trends in Genetics*, **1996**, 12, 534-535	8.5	2
49	Mitochondrial phylogeny of trematomid fishes (Nototheniidae, Perciformes) and the evolution of Antarctic fish. *Molecular Phylogenetics and Evolution*, **1996**, 5, 383-90	4.1	74
48	Widespread geographical distribution of mitochondrial haplotypes in rock-dwelling cichlid fishes from Lake Tanganyika. *Molecular Ecology*, **1996**, 5, 341-50	5.7	24
47	Trans-species polymorphism of class IIMhc loci in danio fishes **1996**, 44, 36		7
46	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
45	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
44	Testing the phylogeny of swordtail fishes using split decomposition and spectral analysis. *Journal of Molecular Evolution*, **1995**, 41, 666	3.1	27
43	Novel phylogeny of whales revisited but not revised. *Molecular Biology and Evolution*, **1995**, 12, 518-20	8.3	17
42	Molecules, Morphology, and Area Cladograms: A Cladistic and Biogeographic Analysis of Gambusia (Teleostei: Poeciliidae). *Systematic Biology*, **1995**, 44, 221	8.4	10
41	Predicting developmental processes from evolutionary patterns: a molecular phylogeny of the zebrafish (Danio rerio) and its relatives. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **1995**, 349, 103-111	5.8	28
40	Cytochrome b sequence variation and a molecular phylogeny of the live-bearing fish genus Gambusia (Cyprinodontiformes: Poeciliidae). *Canadian Journal of Zoology*, **1995**, 73, 213-227	1.5	31
39	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	3.8	47
38	Molecular evidence on the origin of tetrapods and the relationships of the coelacanth. *Trends in Ecology and Evolution*, **1995**, 10, 111-6	10.9	40
37	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

36	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
35	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
34	Systematics of New World monkeys (Platyrrhini, Primates) based on 16S mitochondrial DNA sequences: a comparative analysis of different weighting methods in cladistic analysis. *Molecular Phylogenetics and Evolution*, **1995**, 4, 448-56	4.1	59
33	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
32	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
31	Recurrent origin of a sexually selected trait in Xiphophorus fishes inferred from a molecular phylogeny. *Nature*, **1994**, 368, 539-42	50.4	241
30	Shortcomings of the cytochrome b gene as a molecular marker. *Trends in Ecology and Evolution*, **1994**, 9, 278-80	10.9	186
29	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
28	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
27	Mitochondrial cytochrome b: evolution and structure of the protein. *Biochimica Et Biophysica Acta - Bioenergetics*, **1993**, 1143, 243-71	4.6	273
26	Phylogenetic relationships and evolutionary processes in East African cichlid fishes. *Trends in Ecology and Evolution*, **1993**, 8, 279-84	10.9	348
25	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
24	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
23	Life History of Brachyraphis rhabdophora (Pisces: Poeciliidae). *Copeia*, **1993**, 1993, 103	1.1	19
22	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
21	Revised phylogeny of whales suggested by mitochondrial ribosomal DNA sequences. *Nature*, **1993**, 361, 346-8	50.4	161
20	Cytochrome b of fish mitochondria is strongly resistant to funiculosin, a powerful inhibitor of respiration. *Archives of Biochemistry and Biophysics*, **1992**, 295, 198-204	4.1	15
19	Molecules, fossils, and the origin of tetrapods. *Journal of Molecular Evolution*, **1992**, 35, 102-13	3.1	71

18	Genetic divergence, speciation and morphological stasis in a lineage of African cichlid fishes. *Nature* , **1992**, 358, 578-81	50.4	289
17	Unusual mitochondrial DNA polymorphism in two local populations of blue tit Parus caeruleus. *Molecular Ecology*, **1992**, 1, 27-36	5.7	123
16	African fishes. *Nature*, **1991**, 350, 467-468	50.4	25
15	Coelacanth's relationships. *Nature*, **1991**, 353, 219-219	50.4	5
14	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
13	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
12	Monophyletic origin of Lake Victoria cichlid fishes suggested by mitochondrial DNA sequences. *Nature*, **1990**, 347, 550-3	50.4	797
11	Origin of tetrapods inferred from their mitochondrial DNA affiliation to lungfish. *Journal of Molecular Evolution*, **1990**, 31, 359-64	3.1	179
10	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
9	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
8	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
7	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
6	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
5	First feeding success with two types of prey by the Central American cichlid fish, Cichlasoma managuense (Pisces, Cichlidae): morphology versus behavior. *Environmental Biology of Fishes*, **1987**, 18, 127-134	1.6	11
4	Changes in Behavior With Increasing Experience With a Novel Prey in Fry of the Central American Cichlid, Cichlasoma Managuense (Teleostei: Cichlidae). *Behaviour*, **1986**, 98, 145-167	1.4	22
3	The developmental and genetic architecture of the sexually selected male ornament of swordtails		2
2	The evolution of sexually selected traits in male swordtail fishes (Xiphophorus: Poeciliidae)		9
1	Towards complete and error-free genome assemblies of all vertebrate species		38