

John H Postlethwait

List of Publications by Year in descending order

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334
papers

35,528
citations

6124

83
h-index

5481

169
g-index

357
all docs

357
docs citations

357
times ranked

32283
citing authors

#	ARTICLE	IF	CITATIONS
1	Advancing human disease research with fish evolutionary mutant models. <i>Trends in Genetics</i> , 2022, 38, 22-44.	2.9	23
2	Bone microstructure and bone mineral density are not systemically different in Antarctic icefishes and related Antarctic notothenioids. <i>Journal of Anatomy</i> , 2022, 240, 34-49.	0.9	3
3	Discovery of novel fish papillomaviruses: From the Antarctic to the commercial fish market. <i>Virology</i> , 2022, 565, 65-72.	1.1	10
4	FishmiRNA: An Evolutionarily Supported MicroRNA Annotation and Expression Database for Ray-Finned Fishes. <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	16
5	Elevated mercury and PCB concentrations in Dolly Varden (<i>Salvelinus malma</i>) collected near a formerly used defense site on Sivuqaq, Alaska. <i>Science of the Total Environment</i> , 2022, 826, 154067.	3.9	5
6	An ancient truncated duplication of the anti- $\text{M}\mu\text{1}$ allergen receptor type 2 gene is a potential conserved master sex determinant in the Pangasiidae catfish family. <i>Molecular Ecology Resources</i> , 2022, 22, 2411-2428.	2.2	13
7	Coordinated patterning of zebrafish caudal fin symmetry by a central and two peripheral organizers. <i>Developmental Dynamics</i> , 2022, 251, 1306-1321.	0.8	6
8	Aldh2 is a lineage-specific metabolic gatekeeper in melanocyte stem cells. <i>Development (Cambridge)</i> , 2022, 149, .	1.2	4
9	Environmentally-induced sex reversal in fish with chromosomal vs. polygenic sex determination. <i>Environmental Research</i> , 2022, 213, 113549.	3.7	14
10	Expression Pattern of nos1 in the Developing Nervous System of Ray-Finned Fish. <i>Genes</i> , 2022, 13, 918.	1.0	4
11	Evolution and developmental expression of the sodium-iodide symporter (<i>scp</i> , <i>NIS</i>) Tj ETQq1 1 0.784314 rgBT /Over 15, 1079-1098.	1.5	4
12	A parasite outbreak in notothenioid fish in an Antarctic fjord. <i>IScience</i> , 2022, 25, 104588.	1.9	3
13	Transgene-mediated skeletal phenotypic variation in zebrafish. <i>Journal of Fish Biology</i> , 2021, 98, 956-970.	0.7	5
14	The Developmental and Genetic Architecture of the Sexually Selected Male Ornament of Swordtails. <i>Current Biology</i> , 2021, 31, 911-922.e4.	1.8	24
15	The rise and fall of the ancient northern pike master sex-determining gene. <i>ELife</i> , 2021, 10, .	2.8	24
16	The SARS-CoV-2 receptor and other key components of the Renin-Angiotensin-Aldosterone System related to COVID-19 are expressed in enterocytes in larval zebrafish. <i>Biology Open</i> , 2021, 10, .	0.6	14
17	RADSex: A computational workflow to study sex determination using restriction site-associated DNA sequencing data. <i>Molecular Ecology Resources</i> , 2021, 21, 1715-1731.	2.2	40
18	Evolution after Whole-Genome Duplication: Teleost MicroRNAs. <i>Molecular Biology and Evolution</i> , 2021, 38, 3308-3331.	3.5	31

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19	A complex genetic architecture in zebrafish relatives <i>Danio quagga</i> and <i>D. kyathit</i> underlies development of stripes and spots. <i>PLoS Genetics</i> , 2021, 17, e1009364.	1.5	13
20	Model organisms contribute to diagnosis and discovery in the undiagnosed diseases network: current state and a future vision. <i>Orphanet Journal of Rare Diseases</i> , 2021, 16, 206.	1.2	53
21	Heterozygous loss-of-function variants significantly expand the phenotypes associated with loss of GDF11. <i>Genetics in Medicine</i> , 2021, 23, 1889-1900.	1.1	13
22	A Y-linked anti-Müllerian hormone type-II receptor is the sex-determining gene in ayu, <i>Plecoglossus altivelis</i> . <i>PLoS Genetics</i> , 2021, 17, e1009705.	1.5	25
23	A supernumerary X-sex chromosome drives male sex determination in the Pachón cavefish, <i>Astyanax mexicanus</i> . <i>Current Biology</i> , 2021, 31, 4800-4809.e9.	1.8	34
24	A fish with no sex: gonadal and adrenal functions partition between zebrafish <i>NR5A1</i> co-orthologs. <i>Genetics</i> , 2021, 217, .	1.2	6
25	Circulating miRNA repertoire as a biomarker of metabolic and reproductive states in rainbow trout. <i>BMC Biology</i> , 2021, 19, 235.	1.7	18
26	Unification of miRNA and isomiR research: the mirGFF3 format and the mirtop API. <i>Bioinformatics</i> , 2020, 36, 698-703.	1.8	33
27	Characterization of a Y-specific duplication/insertion of the anti-Müllerian hormone type II receptor gene based on a chromosome-scale genome assembly of yellow perch, <i>Perca flavescens</i> .	2.2	76
28	<i>Zebrafish Genetics</i> . , 2020, , 25-39.		1
29	Sex chromosome and sex locus characterization in goldfish, <i>Carassius auratus</i> (Linnaeus, 1758). <i>BMC Genomics</i> , 2020, 21, 552.	1.2	28
30	Toward controlled breeding of the blackfin icefish <i>Chaenocephalus aceratus</i> (Linnberg 1906): determination of spermatozoa concentration and evaluation of short- and long-term preservation of semen. <i>Polar Biology</i> , 2020, 43, 1583-1593.	0.5	1
31	De novo EIF2AK1 and EIF2AK2 Variants Are Associated with Developmental Delay, Leukoencephalopathy, and Neurologic Decompensation. <i>American Journal of Human Genetics</i> , 2020, 106, 570-583.	2.6	37
32	Multiple independent chromosomal fusions accompanied the radiation of the Antarctic teleost genus <i>Trematomus</i> (Notothenioidei:Nototheniidae). <i>BMC Evolutionary Biology</i> , 2020, 20, 39.	3.2	11
33	Biogeography of the Antarctic dragonfishes <i>Acanthodraco dewitti</i> and <i>Psilodraco breviceps</i> with re-description of <i>Acanthodraco dewitti</i> larvae (Notothenioidei: Bathydraconidae). <i>Polar Biology</i> , 2020, 43, 565-572.	0.5	4
34	The biotic and abiotic environment of zebrafish. , 2020, , 3-16.		1
35	The sterlet sturgeon genome sequence and the mechanisms of segmental rediploidization. <i>Nature Ecology and Evolution</i> , 2020, 4, 841-852.	3.4	159
36	The genome sequence of the channel bull blenny, <i>Cottoperca gobio</i> (Günther, 1861). <i>Wellcome Open Research</i> , 2020, 5, 148.	0.9	18

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37	A comprehensive iterative approach is highly effective in diagnosing individuals who are exome negative. <i>Genetics in Medicine</i> , 2019, 21, 161-172.	1.1	60
38	Identification of the master sex determining gene in Northern pike (<i>Esox lucius</i>) reveals restricted sex chromosome differentiation. <i>PLoS Genetics</i> , 2019, 15, e1008013.	1.5	107
39	Epigenetic factors Dnmt1 and Uhrf1 coordinate intestinal development. <i>Developmental Biology</i> , 2019, 455, 473-484.	0.9	19
40	De Novo Variants in WDR37 Are Associated with Epilepsy, Colobomas, Dysmorphism, Developmental Delay, Intellectual Disability, and Cerebellar Hypoplasia. <i>American Journal of Human Genetics</i> , 2019, 105, 413-424.	2.6	43
41	Magnetic Resonance Imaging characteristics in case of TOR1AIP1 muscular dystrophy. <i>Clinical Imaging</i> , 2019, 58, 108-113.	0.8	6
42	Evolutionary Origin and Nomenclature of Vertebrate <i>Wnt11</i> -Family Genes. <i>Zebrafish</i> , 2019, 16, 469-476.	0.5	12
43	Eye Degeneration and Loss of <i>otx5b</i> Expression in the Cavefish <i>Sinocyclocheilus tileihornes</i> . <i>Journal of Molecular Evolution</i> , 2019, 87, 199-208.	0.8	10
44	A Search for Sex-Linked Loci in the Agamid Lizard, <i>Calotes versicolor</i> . <i>Sexual Development</i> , 2019, 13, 143-150.	1.1	4
45	A Hormone That Lost Its Receptor: Anti-Müllerian Hormone (AMH) in Zebrafish Gonad Development and Sex Determination. <i>Genetics</i> , 2019, 213, 529-553.	1.2	45
46	The Molecular Evolution of Circadian Clock Genes in Spotted Gar (<i>Lepisosteus oculatus</i>). <i>Genes</i> , 2019, 10, 622.	1.0	10
47	De Novo Pathogenic Variants in N-cadherin Cause a Syndromic Neurodevelopmental Disorder with Corpus Callosum, Axon, Cardiac, Ocular, and Genital Defects. <i>American Journal of Human Genetics</i> , 2019, 105, 854-868.	2.6	29
48	Application of the Transcriptional Disease Signature (TDSs) to Screen Melanoma-Effective Compounds in a Small Fish Model. <i>Scientific Reports</i> , 2019, 9, 530.	1.6	7
49	Lysosomal Storage and Albinism Due to Effects of a De Novo <i>CLCN7</i> Variant on Lysosomal Acidification. <i>American Journal of Human Genetics</i> , 2019, 104, 1127-1138.	2.6	59
50	Expression Signatures of Cisplatin- and Trametinib-Treated Early-Stage Medaka Melanomas. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 2267-2276.	0.8	6
51	Heterozygous variants in <i>MYBPC1</i> are associated with an expanded neuromuscular phenotype beyond arthrogryposis. <i>Human Mutation</i> , 2019, 40, 1115-1126.	1.1	19
52	IgG4-related disease: Association with a rare gene variant expressed in cytotoxic T cells. <i>Molecular Genetics & Genomic Medicine</i> , 2019, 7, e686.	0.6	8
53	miRNA analysis with Prost! reveals evolutionary conservation of organ-enriched expression and post-transcriptional modifications in three-spined stickleback and zebrafish. <i>Scientific Reports</i> , 2019, 9, 3913.	1.6	40
54	Intergeneric hybrids inform reproductive isolating barriers in the Antarctic icefish radiation. <i>Scientific Reports</i> , 2019, 9, 5989.	1.6	12

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55	The genome of the arapaima (<i>Arapaima gigas</i>) provides insights into gigantism, fast growth and chromosomal sex determination system. <i>Scientific Reports</i> , 2019, 9, 5293.	1.6	25
56	Neuroendocrinology of reproduction: Is gonadotropin-releasing hormone (GnRH) dispensable?. <i>Frontiers in Neuroendocrinology</i> , 2019, 53, 100738.	2.5	36
57	Antarctic blackfin icefish genome reveals adaptations to extreme environments. <i>Nature Ecology and Evolution</i> , 2019, 3, 469-478.	3.4	115
58	Bi-allelic Variants in TONSL Cause SPONASTRIME Dysplasia and a Spectrum of Skeletal Dysplasia Phenotypes. <i>American Journal of Human Genetics</i> , 2019, 104, 422-438.	2.6	27
59	Adaptation of Proteins to the Cold in Antarctic Fish: A Role for Methionine?. <i>Genome Biology and Evolution</i> , 2019, 11, 220-231.	1.1	25
60	Expanding the Spectrum of BAF-Related Disorders: De Novo Variants in SMARCC2 Cause a Syndrome with Intellectual Disability and Developmental Delay. <i>American Journal of Human Genetics</i> , 2019, 104, 164-178.	2.6	59
61	Female Sex Development and Reproductive Duct Formation Depend on Wnt4a in Zebrafish. <i>Genetics</i> , 2019, 211, 219-233.	1.2	43
62	PO 2 Profiles in the Retina of the Hemoglobin-less Icefishes. <i>FASEB Journal</i> , 2019, 33, lb413.	0.2	1
63	Bone Mineral Density Reduction Explains Buoyancy Adaptations in Notothenioids. <i>FASEB Journal</i> , 2019, 33, lb146.	0.2	0
64	Biallelic Mutations in ATP5F1D, which Encodes a Subunit of ATP Synthase, Cause a Metabolic Disorder. <i>American Journal of Human Genetics</i> , 2018, 102, 494-504.	2.6	59
65	Evolution of caudal fin ray development and caudal fin hypural diastema complex in spotted gar, teleosts, and other neopterygian fishes. <i>Developmental Dynamics</i> , 2018, 247, 832-853.	0.8	25
66	Brain of the blind: transcriptomics of the golden-line cavefish brain. <i>Environmental Epigenetics</i> , 2018, 64, 765-773.	0.9	8
67	Endocrine disruption and differential gene expression in sentinel fish on St. Lawrence Island, Alaska: Health implications for indigenous residents. <i>Environmental Pollution</i> , 2018, 234, 279-287.	3.7	17
68	Skeletal development in the heterocercal caudal fin of spotted gar (<i>Lepisosteus oculatus</i>) and other lepisosteiformes. <i>Developmental Dynamics</i> , 2018, 247, 724-740.	0.8	9
69	Comparison of <i>Xiphophorus</i> and human melanoma transcriptomes reveals conserved pathway interactions. <i>Pigment Cell and Melanoma Research</i> , 2018, 31, 496-508.	1.5	21
70	Expression signatures of early-stage and advanced medaka melanomas. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2018, 208, 20-28.	1.3	11
71	Manganese accumulates in the brain of northern quolls (<i>Dasyurus hallucatus</i>) living near an active mine. <i>Environmental Pollution</i> , 2018, 233, 377-386.	3.7	12
72	Gene expression variation and parental allele inheritance in a <i>Xiphophorus</i> interspecies hybridization model. <i>PLoS Genetics</i> , 2018, 14, e1007875.	1.5	8

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73	Effect of Genetic Diagnosis on Patients with Previously Undiagnosed Disease. <i>New England Journal of Medicine</i> , 2018, 379, 2131-2139.	13.9	261
74	Reply to: "Subfunctionalization versus neofunctionalization after whole-genome duplication". <i>Nature Genetics</i> , 2018, 50, 910-911.	9.4	17
75	IRF2BPL Is Associated with Neurological Phenotypes. <i>American Journal of Human Genetics</i> , 2018, 103, 245-260.	2.6	69
76	Exogenous iodide ameliorates perchlorate-induced thyroid phenotypes in threespine stickleback. <i>General and Comparative Endocrinology</i> , 2017, 243, 60-69.	0.8	14
77	The Undiagnosed Diseases Network: Accelerating Discovery about Health and Disease. <i>American Journal of Human Genetics</i> , 2017, 100, 185-192.	2.6	142
78	A Recurrent De Novo Variant in NACC1 Causes a Syndrome Characterized by Infantile Epilepsy, Cataracts, and Profound Developmental Delay. <i>American Journal of Human Genetics</i> , 2017, 100, 343-351.	2.6	35
79	MARRVEL: Integration of Human and Model Organism Genetic Resources to Facilitate Functional Annotation of the Human Genome. <i>American Journal of Human Genetics</i> , 2017, 100, 843-853.	2.6	181
80	The zebrafish kidney mutant zeppelin reveals that <i>brca2/fancd1</i> is essential for pronephros development. <i>Developmental Biology</i> , 2017, 428, 148-163.	0.9	38
81	BAC Recombineering of the <i>Agouti</i> Loci from Spotted Gar and Zebrafish Reveals the Evolutionary Ancestry of Dorsal-Ventral Pigment Asymmetry in Fish. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2017, 328, 697-708.	0.6	18
82	Molecular genetic analysis of the melanoma regulatory locus in <i>Xiphophorus</i> interspecies hybrids. <i>Molecular Carcinogenesis</i> , 2017, 56, 1935-1944.	1.3	21
83	A Syndromic Neurodevelopmental Disorder Caused by De Novo Variants in EBF3. <i>American Journal of Human Genetics</i> , 2017, 100, 128-137.	2.6	96
84	Evolution of gene expression after whole-genome duplication: New insights from the spotted gar genome. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2017, 328, 709-721.	0.6	52
85	The Spotted Gar: Genomic Journeys into a Lost World. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2017, 328, 593-595.	0.6	1
86	Gonadal soma controls ovarian follicle proliferation through <i>Gsdf</i> in zebrafish. <i>Developmental Dynamics</i> , 2017, 246, 925-945.	0.8	68
87	Model Organisms Facilitate Rare Disease Diagnosis and Therapeutic Research. <i>Genetics</i> , 2017, 207, 9-27.	1.2	165
88	Cold Fusion: Massive Karyotype Evolution in the Antarctic Bullhead Notothen <i>Notothenia coriiceps</i> . <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 2195-2207.	0.8	22
89	Characterization and husbandry of wild broodstock of the blackfin icefish <i>Chaenocephalus aceratus</i> (L�nnberg 1906) from the Palmer Archipelago (Southern Ocean) for breeding purposes. <i>Polar Biology</i> , 2017, 40, 2499-2516.	0.5	8
90	SCPP Genes and Their Relatives in Gar: Rapid Expansion of Mineralization Genes in Osteichthyans. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2017, 328, 645-665.	0.6	25

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91	Pth4, an ancient parathyroid hormone lost in eutherian mammals, reveals a new brain-bone signaling pathway. <i>FASEB Journal</i> , 2017, 31, 569-583.	0.2	17
92	Evolution Reshaped Life for the Water Column: The Skeleton of the Antarctic Silverfish <i>Pleuragramma antarctica</i> Boulenger, 1902. <i>Advances in Polar Ecology</i> , 2017, , 3-26.	1.3	5
93	Evolutionary divergence of the vertebrate TNFAIP8 gene family: Applying the spotted gar orthology bridge to understand ohnolog loss in teleosts. <i>PLoS ONE</i> , 2017, 12, e0179517.	1.1	7
94	Lipid droplet biology and evolution illuminated by the characterization of a novel perilipin in teleost fish. <i>ELife</i> , 2017, 6, .	2.8	47
95	Variations on a theme: Genomics of sex determination in the cichlid fish <i>Astatotilapia burtoni</i> . <i>BMC Genomics</i> , 2016, 17, 883.	1.2	34
96	MicroRNA Profiling during Craniofacial Development: Potential Roles for Mir23b and Mir133b. <i>Frontiers in Physiology</i> , 2016, 7, 281.	1.3	30
97	Germ cell and tumor associated piRNAs in the medaka and <i>Xiphophorus</i> melanoma models. <i>BMC Genomics</i> , 2016, 17, 357.	1.2	13
98	Gene evolution and gene expression after whole genome duplication in fish: the PhyloFish database. <i>BMC Genomics</i> , 2016, 17, 368.	1.2	288
99	<i>X. couchianus</i> and <i>X. hellerii</i> genome models provide genomic variation insight among <i>Xiphophorus</i> species. <i>BMC Genomics</i> , 2016, 17, 37.	1.2	32
100	Genomic conservation of erythropoietic microRNAs (erythromiRs) in white-blooded Antarctic icefish. <i>Marine Genomics</i> , 2016, 30, 27-34.	0.4	19
101	De Novo Truncating Variants in ASXL2 Are Associated with a Unique and Recognizable Clinical Phenotype. <i>American Journal of Human Genetics</i> , 2016, 99, 991-999.	2.6	68
102	Foxl2 and Its Relatives Are Evolutionary Conserved Players in Gonadal Sex Differentiation. <i>Sexual Development</i> , 2016, 10, 111-129.	1.1	87
103	Embryogenesis and early skeletogenesis in the antarctic bullhead notothen, <i>Notothenia coriiceps</i> . <i>Developmental Dynamics</i> , 2016, 245, 1066-1080.	0.8	19
104	Characterization and Evolution of the Spotted Gar Retina. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2016, 326, 403-421.	0.6	19
105	A Genetic Map for the Only Self-Fertilizing Vertebrate. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 1095-1106.	0.8	24
106	Pharyngeal morphogenesis requires <i>fras1</i> - <i>itga8</i> -dependent epithelial-mesenchymal interaction. <i>Developmental Biology</i> , 2016, 416, 136-148.	0.9	33
107	Vertebrate sex-determining genes play musical chairs. <i>Comptes Rendus - Biologies</i> , 2016, 339, 258-262.	0.1	65
108	The spotted gar genome illuminates vertebrate evolution and facilitates human-teleost comparisons. <i>Nature Genetics</i> , 2016, 48, 427-437.	9.4	545

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109	Perchlorate Exposure Reduces Primordial Germ Cell Number in Female Threespine Stickleback. PLoS ONE, 2016, 11, e0157792.	1.1	14
110	Ancient origin of lubricated joints in bony vertebrates. ELife, 2016, 5, .	2.8	69
111	Transcriptomes of post-mitotic neurons identify the usage of alternative pathways during adult and embryonic neuronal differentiation. BMC Genomics, 2015, 16, 1100.	1.2	21
112	Whole Body Melanoma Transcriptome Response in Medaka. PLoS ONE, 2015, 10, e0143057.	1.1	14
113	Molecular evolution and functional divergence of zebrafish (<i>Danio rerio</i>) cryptochrome genes. Scientific Reports, 2015, 5, 8113.	1.6	52
114	Wrecks of Ancient Life: Genetic Variants Vetted by Natural Selection. Genetics, 2015, 200, 675-678.	1.2	3
115	Circadian Modulation of Dopamine Levels and Dopaminergic Neuron Development Contributes to Attention Deficiency and Hyperactive Behavior. Journal of Neuroscience, 2015, 35, 2572-2587.	1.7	111
116	Perchlorate exposure does not modulate temporal variation of whole-body thyroid and androgen hormone content in threespine stickleback. General and Comparative Endocrinology, 2015, 219, 45-52.	0.8	10
117	Developmental timing of perchlorate exposure alters threespine stickleback dermal bone. General and Comparative Endocrinology, 2015, 219, 36-44.	0.8	7
118	Developmental timing of sodium perchlorate exposure alters angiogenesis, thyroid follicle proliferation and sexual maturation in stickleback. General and Comparative Endocrinology, 2015, 219, 24-35.	0.8	27
119	miRNA Nomenclature: A View Incorporating Genetic Origins, Biosynthetic Pathways, and Sequence Variants. Trends in Genetics, 2015, 31, 613-626.	2.9	164
120	Two Zebrafish <i>hsd3b</i> Genes Are Distinct in Function, Expression, and Evolution. Endocrinology, 2015, 156, 2854-2862.	1.4	23
121	Deep conservation of wrist and digit enhancers in fish. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 803-808.	3.3	121
122	Perchlorate disrupts embryonic androgen synthesis and reproductive development in threespine stickleback without changing whole-body levels of thyroid hormone. General and Comparative Endocrinology, 2015, 210, 130-144.	0.8	32
123	Phylogeny of Zebrafish, a Model Species, within <i>Danio</i> , a Model Genus. Molecular Biology and Evolution, 2015, 32, 635-652.	3.5	85
124	A new model army: Emerging fish models to study the genomics of vertebrate EvoDevo. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2015, 324, 316-341.	0.6	98
125	The genome sequence of the Antarctic bullhead notothen reveals evolutionary adaptations to a cold environment. Genome Biology, 2014, 15, 468.	3.8	86
126	Evolution of the <i>miR199-214</i> cluster and vertebrate skeletal development. RNA Biology, 2014, 11, 281-294.	1.5	54

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127	Connectivity of vertebrate genomes: Paired-related homeobox (Prrx) genes in spotted gar, basal teleosts, and tetrapods. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2014, 163, 24-36.	1.3	22
128	Expanding the annotation of zebrafish microRNAs based on small RNA sequencing. <i>Gene</i> , 2014, 546, 386-389.	1.0	33
129	Wild Sex in Zebrafish: Loss of the Natural Sex Determinant in Domesticated Strains. <i>Genetics</i> , 2014, 198, 1291-1308.	1.2	282
130	A RAD-Tag Genetic Map for the Platyfish (<i>Xiphophorus maculatus</i>) Reveals Mechanisms of Karyotype Evolution Among Teleost Fish. <i>Genetics</i> , 2014, 197, 625-641.	1.2	80
131	Temporally and Spatially Restricted Gene Expression Profiling. <i>Current Genomics</i> , 2014, 15, 278-292.	0.7	13
132	The African coelacanth genome provides insights into tetrapod evolution. <i>Nature</i> , 2013, 496, 311-316.	13.7	612
133	The zebrafish reference genome sequence and its relationship to the human genome. <i>Nature</i> , 2013, 496, 498-503.	13.7	3,708
134	The genome of the platyfish, <i>Xiphophorus maculatus</i> , provides insights into evolutionary adaptation and several complex traits. <i>Nature Genetics</i> , 2013, 45, 567-572.	9.4	251
135	Differentially-expressed opsin genes identified in <i>Sinocyclocheilus</i> cavefish endemic to China. <i>Environmental Epigenetics</i> , 2013, 59, 170-174.	0.9	16
136	Comparative Oncogenomic Analysis of Copy Number Alterations in Human and Zebrafish Tumors Enables Cancer Driver Discovery. <i>PLoS Genetics</i> , 2013, 9, e1003734.	1.5	30
137	Evolution of the Eye Transcriptome under Constant Darkness in <i>Sinocyclocheilus</i> Cavefish. <i>Molecular Biology and Evolution</i> , 2013, 30, 1527-1543.	3.5	83
138	EML1 (CNG-Modulin) Controls Light Sensitivity in Darkness and under Continuous Illumination in Zebrafish Retinal Cone Photoreceptors. <i>Journal of Neuroscience</i> , 2013, 33, 17763-17776.	1.7	33
139	Retinoic Acid Metabolic Genes, Meiosis, and Gonadal Sex Differentiation in Zebrafish. <i>PLoS ONE</i> , 2013, 8, e73951.	1.1	83
140	Dynamic Evolution of the LPS-Detoxifying Enzyme Intestinal Alkaline Phosphatase in Zebrafish and Other Vertebrates. <i>Frontiers in Immunology</i> , 2012, 3, 314.	2.2	50
141	Duplicated zebrafish co-orthologs of parathyroid hormone-related peptide (PTHrP, Pthlh) play different roles in craniofacial skeletogenesis. <i>Journal of Endocrinology</i> , 2012, 214, 421-435.	1.2	32
142	fras1 shapes endodermal pouch 1 and stabilizes zebrafish pharyngeal skeletal development. <i>Development (Cambridge)</i> , 2012, 139, 2804-2813.	1.2	25
143	Identification of transcriptome SNPs between <i>Xiphophorus</i> lines and species for assessing allele specific gene expression within F1 interspecies hybrids. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2012, 155, 102-108.	1.3	37
144	Polyploidy in Fish and the Teleost Genome Duplication. , 2012, , 341-383.		102

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145	Evolution of the osteoblast: skeletogenesis in gar and zebrafish. BMC Evolutionary Biology, 2012, 12, 27.	3.2	62
146	Sox9 Is Upstream of MicroRNA-140 in Cartilage. Applied Biochemistry and Biotechnology, 2012, 166, 64-71.	1.4	74
147	Multiple Sex-Associated Regions and a Putative Sex Chromosome in Zebrafish Revealed by RAD Mapping and Population Genomics. PLoS ONE, 2012, 7, e40701.	1.1	211
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