Manfred Schartl

List of Publications by Year
in descending order

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471	24,938	8159	14156
papers	citations	76 h-index	128 g-index

495	495	495	15049
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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.	1.7	32
2	Genome biology of the darkedged splitfin, Girardinichthys multiradiatus, and the evolution of sex chromosomes and placentation. Genome Research, 2022, 32, 583-594.	2.4	9
3	A nonfunctional copy of the salmonid sex-determining gene (sdY) is responsible for the â€œapparentâ€•XY females in Chinook salmon, Oncorhynchus tshawytscha. G3: Genes, Genomes, Genetics, 2022, 12, .	0.8	3
4	Sexual development dysgenesis in interspecific hybrids of Medaka fish. Scientific Reports, 2022, 12, 5408.	1.6	3
5	Evolution of the Degenerated Y-Chromosome of the Swamp Guppy, Micropoecilia picta. Cells, 2022, 11, 1118.	1.8	7
6	Evolution of the canonical sex chromosomes of the guppy and its relatives. G3: Genes, Genomes, Genetics, 2022, 12, .	0.8	13
7	Equilibrated evolution of the mixed auto-/allopolyploid haplotype-resolved genome of the invasive hexaploid Prussian carp. Nature Communications, 2022, 13, .	5.8	6
8	Skipping sex: A nonrecombinant genomic assemblage of complementary reproductive modules. BioEssays, 2021, 43, e2000111.	1.2	10
9	The Developmental and Genetic Architecture of the Sexually Selected Male Ornament of Swordtails. Current Biology, 2021, 31, 911-922.e4.	1.8	24
10	The rise and fall of the ancient northern pike master sex-determining gene. ELife, 2021, 10, .	2.8	24
11	Preface to the Special Issue on Sexual Development and the Environment. Sexual Development, 2021, 15, 5-6.	1.1	0
12	Decontextualized learning for interpretable hierarchical representations of visual patterns. Patterns, 2021, 2, 100193.	3.1	3
13	Fixation of allelic gene expression landscapes and expression bias pattern shape the transcriptome of the clonal Amazon molly. Genome Research, 2021, 31, 372-379.	2.4	11
14	Reconstruction of the Origin of a Neo-Y Sex Chromosome and Its Evolution in the Spotted Knifejaw,Oplegnathus punctatus. Molecular Biology and Evolution, 2021, 38, 2615-2626.	3.5	21
15	RADSex: A computational workflow to study sex determination using restriction siteâ€associated DNA sequencing data. Molecular Ecology Resources, 2021, 21, 1715-1731.	2.2	40
16	Genomic Basis of Striking Fin Shapes and Colors in the Fighting Fish. Molecular Biology and Evolution, 2021, 38, 3383-3396.	3.5	33
17	Neoceratodus forsteri (Australian lungfish). Trends in Genetics, 2021, 37, 600-601.	2.9	0
18	Allelic diversification after transposable element exaptation promotedgsdfas the master sex determining gene of sablefish. Genome Research, 2021, 31, 1366-1380.	2.4	23

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19	A 180 Myr-old female-specific genome region in sturgeon reveals the oldest known vertebrate sex determining system with undifferentiated sex chromosomes. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200089.	1.8	41
20	Evolution of master sex determiners: TGF-Î² signalling pathways at regulatory crossroads. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200091.	1.8	60
21	The replaceable master of sex determination: bottom-up hypothesis revisited. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200090.	1.8	16
22	A brief review of vertebrate sex evolution with a pledge for integrative research: towards â€˜sexomicsâ€™. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200426.	1.8	39
23	Lessons from an unusual vertebrate sex-determining gene. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200092.	1.8	26
24	A Y-linked anti-MÃ¼llerian hormone type-II receptor is the sex-determining gene in ayu, Plecoglossus altivelis. PLoS Genetics, 2021, 17, e1009705.	1.5	25
25	A supernumerary â€œB-sexâ€•chromosome drives male sex determination in the PachÃ³n cavefish, Astyanax mexicanus. Current Biology, 2021, 31, 4800-4809.e9.	1.8	34
26	Giant lungfish genome elucidates the conquest of land by vertebrates. Nature, 2021, 590, 284-289.	13.7	132
27	Clustering of Sex-Biased Genes and Transposable Elements in the Genome of the Medaka FishOryzias latipes. Genome Biology and Evolution, 2021, 13, .	1.1	10
28	Differential expression of transposable elements in the medaka melanoma model. PLoS ONE, 2021, 16, e0251713.	1.1	1
29	A duplicated copy of id2b is an unusual sex-determining candidate gene on the Y chromosome of arapaima (Arapaima gigas). Scientific Reports, 2021, 11, 21544.	1.6	8
30	Characterization of a Yâ€specific duplication/insertion of the antiâ€Mullerian hormone type II receptor gene based on a chromosomeâ€scale genome assembly of yellow perch, Perca flavescens. Molecular Ecology Resources, 2020, 20, 531-543.	2.2	76
31	Bioinformatic methods applied to the analysis of the genes retained after the whole genome duplication events in the sterlet genome (Acipenser ruthenus). , 2020, , .		0
32	Genome Sequence of the Euryhaline Javafish Medaka, Oryzias javanicus: A Small Aquarium Fish Model for Studies on Adaptation to Salinity. G3: Genes, Genomes, Genetics, 2020, 10, 907-915.	0.8	22
33	Chromosome Distribution of Highly Conserved Tandemly Arranged Repetitive DNAs in the Siberian Sturgeon (Acipenser baerii). Genes, 2020, 11, 1375.	1.0	4
34	Oncogenic allelic interaction in Xiphophorus highlights hybrid incompatibility. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29786-29794.	3.3	21
35	Intra-Strain Genetic Variation of Platyfish (Xiphophorus maculatus) Strains Determines Tumorigenic Trajectory. Frontiers in Genetics, 2020, 11, 562594.	1.1	1
36	Global assessment of organ specific basal gene expression over a diurnal cycle with analyses of gene copies exhibiting cyclic expression patterns. BMC Genomics, 2020, 21, 787.	1.2	0

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37	Cxcl9l and Cxcr3.2 regulate recruitment of osteoclast progenitors to bone matrix in a medaka osteoporosis model. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 19276-19286.	3.3	22
38	Sex chromosome and sex locus characterization in goldfish, Carassius auratus (Linnaeus, 1758). BMC Genomics, 2020, 21, 552.	1.2	28
39	Macrophages Switch to an Osteoâ€Modulatory Profile Upon RANKL Induction in a Medaka (<scp>Oryzias latipes</scp>) Osteoporosis Model. JBMR Plus, 2020, 4, e10409.	1.3	6
40	Reconstruction of the birth of a male sex chromosome present in Atlantic herring. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24359-24368.	3.3	36
41	Evolution of MicroRNA Biogenesis Genes in the Sterlet (Acipenser ruthenus) and Other Polyploid Vertebrates. International Journal of Molecular Sciences, 2020, 21, 9562.	1.8	2
42	Natural hybridization reveals incompatible alleles that cause melanoma in swordtail fish. Science, 2020, 368, 731-736.	6.0	86
43	Melanocortin 4 receptor signaling and puberty onset regulation in Xiphophorus swordtails. General and Comparative Endocrinology, 2020, 295, 113521.	0.8	11
44	Spatial and temporal expression pattern of sex-related genes in ovo-testis of the self-fertilizing mangrove killifish (Kryptolebias marmoratus). Gene, 2020, 742, 144581.	1.0	6
45	Independent Origin of XY and ZW Sex Determination Mechanisms in Mosquitofish Sister Species. Genetics, 2020, 214, 193-209.	1.2	30
46	The sterlet sturgeon genome sequence and the mechanisms of segmental rediploidization. Nature Ecology and Evolution, 2020, 4, 841-852.	3.4	159
47	The transcriptome of the newt Cynops orientalis provides new insights into evolution and function of sexual gene networks in sarcopterygians. Scientific Reports, 2020, 10, 5445.	1.6	11
48	Crosstalk Between Retinoic Acid and Sex-Related Genes Controls Germ Cell Fate and Gametogenesis in Medaka. Frontiers in Cell and Developmental Biology, 2020, 8, 613497.	1.8	3
49	Analysis of the putative tumor suppressor gene cdkn2ab in pigment cells and melanoma of Xiphophorus and medaka. Pigment Cell and Melanoma Research, 2019, 32, 248-258.	1.5	15
50	Identification of the master sex determining gene in Northern pike (Esox lucius) reveals restricted sex chromosome differentiation. PLoS Genetics, 2019, 15, e1008013.	1.5	107
51	Red Queen revisited: Immune gene diversity and parasite load in the asexual Poecilia formosa versus its sexual host species P. mexicana. PLoS ONE, 2019, 14, e0219000.	1.1	7
52	The Piranha Genome Provides Molecular Insight Associated to Its Unique Feeding Behavior. Genome Biology and Evolution, 2019, 11, 2099-2106.	1.1	17
53	Sex and the TEs: transposable elements in sexual development and function in animals. Mobile DNA, 2019, 10, 42.	1.3	60
54	Application of the Transcriptional Disease Signature (TDSs) to Screen Melanoma-Effective Compounds in a Small Fish Model. Scientific Reports, 2019, 9, 530.	1.6	7

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55	Increase of cortisol levels after temperature stress activates dmrt1a causing femaleâ€toâ€male sex reversal and reduced germ cell number in medaka. Molecular Reproduction and Development, 2019, 86, 1405-1417.	1.0	30
56	Expression Signatures of Cisplatin- and Trametinib-Treated Early-Stage Medaka Melanomas. G3: Genes, Genomes, Genetics, 2019, 9, 2267-2276.	0.8	6
57	Analysis of the Role of the Mc4r System in Development, Growth, and Puberty of Medaka. Frontiers in Endocrinology, 2019, 10, 213.	1.5	20
58	Allele-specific expression variation at different ploidy levels in Squalius alburnoides. Scientific Reports, 2019, 9, 3688.	1.6	5
59	The genome of the arapaima (Arapaima gigas) provides insights into gigantism, fast growth and chromosomal sex determination system. Scientific Reports, 2019, 9, 5293.	1.6	25
60	A novel evolutionary conserved mechanism of RNA stability regulates synexpression of primordial germ cell-specific genes prior to the sex-determination stage in medaka. PLoS Biology, 2019, 17, e3000185.	2.6	8
61	Antarctic blackfin icefish genome reveals adaptations to extreme environments. Nature Ecology and Evolution, 2019, 3, 469-478.	3.4	115
62	Draft Genome Assembly and Annotation of the Gila Topminnow Poeciliopsis occidentalis. Frontiers in Ecology and Evolution, 2019, 7, .	1.1	3
63	The identification of patientâ€specific mutations reveals dual pathway activation in most patients with melanoma and activated receptor tyrosine kinases in BRAF/NRAS wildâ€type melanomas. Cancer, 2019, 125, 586-600.	2.0	16
64	Intersex, Hermaphroditism, and Gonadal Plasticity in Vertebrates: Evolution of the MÃ¼llerian Duct and Amh/Amhr2 Signaling. Annual Review of Animal Biosciences, 2019, 7, 149-172.	3.6	69
65	Life histories of guppies (Poecilia reticulata Peters, 1869; Poeciliidae) from the Pitch Lake in Trinidad. Caribbean Journal of Science, 2019, 49, 255.	0.2	2
66	Histopathologic features of melanocytic tumors in <i>Xiphophorus</i> melanoma receptor kinase (<i>xmrk</i>)-transgenic medaka (<i>Oryzias latipes</i>). Journal of Toxicologic Pathology, 2019, 32, 111-117.	0.3	4
67	Clonal polymorphism and high heterozygosity in the celibate genome of the Amazon molly. Nature Ecology and Evolution, 2018, 2, 669-679.	3.4	117
68	Comparison of Xiphophorus and human melanoma transcriptomes reveals conserved pathway interactions. Pigment Cell and Melanoma Research, 2018, 31, 496-508.	1.5	21
69	Expression signatures of early-stage and advanced medaka melanomas. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2018, 208, 20-28.	1.3	11
70	Die Ontogenese der Plattfische â€" auÃŸergewÃ¶hnliche Meeresbewohner. BioSpektrum, 2018, 24, 361-364.	0.0	0
71	The unusual rainbow trout sex determination gene hijacked the canonical vertebrate gonadal differentiation pathway. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12781-12786.	3.3	67
72	Gene expression variation and parental allele inheritance in a Xiphophorus interspecies hybridization model. PLoS Genetics, 2018, 14, e1007875.	1.5	8

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73	Ras-Induced miR-146a and 193a Target Jmjd6 to Regulate Melanoma Progression. Frontiers in Genetics, 2018, 9, 675.	1.1	18
74	A Comparative View on Sex Differentiation and Gametogenesis Genes in Lungfish and Coelacanths. Genome Biology and Evolution, 2018, 10, 1430-1444.	1.1	17
75	Long-term experimental hybridisation results in the evolution of a new sex chromosome in swordtail fish. Nature Communications, 2018, 9, 5136.	5.8	27
76	Sex Determination in Vertebrates. , 2018, , 159-167.		2
77	Diversity of Immunoglobulin Light Chain Genes in Non-Teleost Ray-Finned Fish Uncovers IgL Subdivision into Five Ancient Isotypes. Frontiers in Immunology, 2018, 9, 1079.	2.2	5
78	The Colorful Sex Chromosomes of Teleost Fish. Genes, 2018, 9, 233.	1.0	36
79	RNA-seq analysis identifies different transcriptomic types and developmental trajectories of primary melanomas. Oncogene, 2018, 37, 6136-6151.	2.6	91
80	Sox5 is involved in germ-cell regulation and sex determination in medaka following co-option of nested transposable elements. BMC Biology, 2018, 16, 16.	1.7	56
81	Diversity, distribution, and significance of transposable elements in the genome of the only selfing hermaphroditic vertebrate Kryptolebias marmoratus. Scientific Reports, 2017, 7, 40121.	1.6	28
82	Genome editing reveals dmrt1 as an essential male sex-determining gene in Chinese tongue sole (Cynoglossus semilaevis). Scientific Reports, 2017, 7, 42213.	1.6	144
83	The AP-1 transcription factor FOSL1 causes melanocyte reprogramming and transformation. Oncogene, 2017, 36, 5110-5121.	2.6	59
84	The genome and transcriptome of Japanese flounder provide insights into flatfish asymmetry. Nature Genetics, 2017, 49, 119-124.	9.4	178
85	Complexities of gene expression patterns in natural populations of an extremophile fish (Poecilia) Tj ETQq1 1 0.784314 rgBT /Over	2.0	21
86	The draft genome of blunt snout bream (Megalobrama amblycephala) reveals the development of intermuscular bone and adaptation to herbivorous diet. GigaScience, 2017, 6, 1-13.	3.3	95
87	Identification and Expression of Conserved and Novel RNA Variants of Medaka pax6b Gene. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2017, 328, 412-422.	0.6	5
88	Molecular genetic analysis of the melanoma regulatory locus in Xiphophorus interspecies hybrids. Molecular Carcinogenesis, 2017, 56, 1935-1944.	1.3	21
89	Case Studies of Seven Gene Families with Unusual High Retention Rate Since the Vertebrate and Teleost Whole-Genome Duplications. , 2017, , 369-396.		3
90	The roles of plasticity and evolutionary change in shaping gene expression variation in natural populations of extremophile fish. Molecular Ecology, 2017, 26, 6384-6399.	2.0	33

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91	The Small Noncoding RNA Processing Machinery of Two Living Fossil Species, Lungfish and Coelacanth, Gives New Insights into the Evolution of the Argonaute Protein Family. Genome Biology and Evolution, 2017, 9, 438-453.	1.1	11
92	Mapping heterogeneity in patient-derived melanoma cultures by single-cell RNA-seq. Oncotarget, 2017, 8, 846-862.	0.8	87
93	Xiphophorus. , 2017, , 4879-4881.		0
94	Whole Genome Duplications Shaped the Receptor Tyrosine Kinase Repertoire of Jawed Vertebrates. Genome Biology and Evolution, 2016, 8, 1600-1613.	1.1	38
95	Considerations for a European animal welfare standard to evaluate adverse phenotypes in teleost fish. EMBO Journal, 2016, 35, 1151-1154.	3.5	19
96	A vertebrate specific and essential role for sp7/osterix in osteogenesis revealed by gene knock-out in the teleost medaka. Development (Cambridge), 2016, 144, 265-271.	1.2	30
97	Retinoic acid and meiosis induction in adult versus embryonic gonads of medaka. Scientific Reports, 2016, 6, 34281.	1.6	27
98	Germ cell and tumor associated piRNAs in the medaka and Xiphophorus melanoma models. BMC Genomics, 2016, 17, 357.	1.2	13
99	X. couchianus and X. hellerii genome models provide genomic variation insight among Xiphophorus species. BMC Genomics, 2016, 17, 37.	1.2	32
100	Xiphophorus and Medaka Cancer Models. Advances in Experimental Medicine and Biology, 2016, 916, 531-552.	0.8	33
101	Evolution of the elaborate male intromittent organ of Xiphophorus fishes. Ecology and Evolution, 2016, 6, 7207-7220.	0.8	9
102	Foxl2 and Its Relatives Are Evolutionary Conserved Players in Gonadal Sex Differentiation. Sexual Development, 2016, 10, 111-129.	1.1	87
103	Genomic and Transcriptomic Approaches to Study Cancer in Small Aquarium Fish Models. Advances in Genetics, 2016, 95, 31-63.	0.8	1
104	What is a vertebrate pigment cell?. Pigment Cell and Melanoma Research, 2016, 29, 8-14.	1.5	106
105	Gene copy silencing and DNA methylation in natural and artificially produced allopolyploid fish. Journal of Experimental Biology, 2016, 219, 3072-3081.	0.8	9
106	Nonâ€canonical expression patterns and evolutionary rates of sexâ€biased genes in a seasonal fish. Molecular Reproduction and Development, 2016, 83, 1102-1115.	1.0	13
107	The Lungfish Transcriptome: A Glimpse into Molecular Evolution Events at the Transition from Water to Land. Scientific Reports, 2016, 6, 21571.	1.6	75
108	Vertebrate sex-determining genes play musical chairs. Comptes Rendus - Biologies, 2016, 339, 258-262.	0.1	65

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109	The occurrence of spermatozoa in the ovary of the gynogenetic viviparous teleost <scp>P</scp>oecilia<scp>f</scp>ormosa (POECILIIDAE). Journal of Morphology, 2016, 277, 341-350.	0.6	8
110	Dynamics of vertebrate sex chromosome evolution: from equal size to giants and dwarfs. Chromosoma, 2016, 125, 553-571.	1.0	103
111	Peroxiredoxin 6 triggers melanoma cell growth by increasing arachidonic acid-dependent lipid signalling. Biochemical Journal, 2015, 471, 267-279.	1.7	34
112	Genomic Resources Notes Accepted 1 June 2015 - 31 July 2015. Molecular Ecology Resources, 2015, 15, 1510-1512.	2.2	6
113	Transcriptional control analyses of the Xiphophorus melanoma oncogene. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2015, 178, 116-127.	1.3	6
114	Plasticity of geneâ€regulatory networks controlling sex determination: of masters, slaves, usual suspects, newcomers, and usurpators. EMBO Reports, 2015, 16, 1260-1274.	2.0	216
115	Gene Expression Dosage Regulation in an Allopolyploid Fish. PLoS ONE, 2015, 10, e0116309.	1.1	14
116	Whole Body Melanoma Transcriptome Response in Medaka. PLoS ONE, 2015, 10, e0143057.	1.1	14
117	Pheomelanin in fish?. Pigment Cell and Melanoma Research, 2015, 28, 355-356.	1.5	32
118	Evolution of Receptor Tyrosine Kinases. , 2015, , 17-36.		3
119	Insights into Sex Chromosome Evolution and Aging from the Genome of a Short-Lived Fish. Cell, 2015, 163, 1527-1538.	13.5	251
120	Transcriptomics of two evolutionary novelties: how to make a spermâ€transfer organ out of an anal fin and a sexually selected â€œswordâ€•out of a caudal fin. Ecology and Evolution, 2015, 5, 848-864.	0.8	11
121	Molecular cloning and expression analysis of dmrt1 and sox9 during gonad development and male reproductive cycle in the lambari fish, Astyanax altiparanae. Reproductive Biology and Endocrinology, 2015, 13, 2.	1.4	55
122	Defective autophagy through epg5 mutation results in failure to reduce germ plasm and mitochondria. FASEB Journal, 2015, 29, 4145-4161.	0.2	29
123	Transposable elements and early evolution of sex chromosomes in fish. Chromosome Research, 2015, 23, 545-560.	1.0	74
124	In vitro evidence for senescent multinucleated melanocytes as a source for tumor-initiating cells. Cell Death and Disease, 2015, 6, e1711-e1711.	2.7	67
125	Sex determination by multiple sex chromosomes in Xenopus tropicalis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10575-10576.	3.3	11
126	Molecular genetic response of Xiphophorus maculatusâ€“X. couchianus interspecies hybrid skin to UVB exposure. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2015, 178, 86-92.	1.3	24

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127	Copy number variation in the melanocortin 4 receptor gene and alternative reproductive tactics the swordtail Xiphophorus multilineatus. Environmental Biology of Fishes, 2015, 98, 23-33.	0.4	19
128	A Transcriptome Derived Female-Specific Marker from the Invasive Western Mosquitofish (Gambusia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.1	26
129	Beyond the zebrafish: diverse fish species for modeling human disease. DMM Disease Models and Mechanisms, 2014, 7, 181-92.	1.2	151
130	Novel Method for Analysis of Allele Specific Expression in Triploid Oryzias latipes Reveals Consistent Pattern of Allele Exclusion. PLoS ONE, 2014, 9, e100250.	1.1	7
131	Whole-genome sequence of a flatfish provides insights into ZW sex chromosome evolution and adaptation to a benthic lifestyle. Nature Genetics, 2014, 46, 253-260.	9.4	685
132	Cystathionase mediates senescence evasion in melanocytes and melanoma cells. Oncogene, 2014, 33, 771-782.	2.6	32
133	Xmrkâ€induced melanoma progression is affected by Sdf1 signals through Cxcr7. Pigment Cell and Melanoma Research, 2014, 27, 221-233.	1.5	12
134	Characterization of purine catabolic pathway genes in coelacanths. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2014, 322, 334-341.	0.6	6
135	Sex chromosome polymorphism in guppies. Chromosoma, 2014, 123, 373-383.	1.0	51
136	Comparative analysis of melanoma deregulated miRNAs in the medaka and Xiphophorus pigment cell cancer models. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2014, 163, 64-76.	1.3	24
137	Wild Sex in Zebrafish: Loss of the Natural Sex Determinant in Domesticated Strains. Genetics, 2014, 198, 1291-1308.	1.2	282
138	Design, evaluation, and screening methods for efficient targeted mutagenesis with transcription activatorâ€like effector nucleases in medaka. Development Growth and Differentiation, 2014, 56, 98-107.	0.6	78
139	Evolutionary active transposable elements in the genome of the coelacanth. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2014, 322, 322-333.	0.6	22
140	Analysis of a novel gene, Sdgc, reveals sex chromosome-dependent differences of medaka germ cells prior to gonad formation. Development (Cambridge), 2014, 141, 3363-3369.	1.2	15
141	Evolution of endothelin receptors in vertebrates. General and Comparative Endocrinology, 2014, 209, 21-34.	0.8	35
142	A RAD-Tag Genetic Map for the Platyfish (Xiphophorus maculatus) Reveals Mechanisms of Karyotype Evolution Among Teleost Fish. Genetics, 2014, 197, 625-641.	1.2	80
143	Derivation of stable zebrafish ES-like cells in feeder-free culture. Cell and Tissue Research, 2014, 357, 623-632.	1.5	18
144	A multicopy Y-chromosomal SGNH hydrolase gene expressed in the testis of the platyfish has been captured and mobilized by a Helitron transposon. BMC Genetics, 2014, 15, 44.	2.7	13

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145	The MAPK pathway as an apoptosis enhancer in melanoma. Oncotarget, 2014, 5, 5040-5053.	0.8	33
146	Comprehensive phylogenetic analysis of all species of swordtails and platies (Pisces: Genus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 712 T 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.	3.2	66
147	Divergent Expression Regulation of Gonad Development Genes in Medaka Shows Incomplete Conservation of the Downstream Regulatory Network of Vertebrate Sex Determination. Molecular Biology and Evolution, 2013, 30, 2328-2346.	3.5	65
148	Tumor angiogenesis is caused by single melanoma cells in a reactive oxygen species and NF-Î¹B dependent manner. Journal of Cell Science, 2013, 126, 3862-72.	1.2	29
149	Single-male paternity in coelacanths. Nature Communications, 2013, 4, 2488.	5.8	5
150	Gene Amplification and Functional Diversification of Melanocortin 4 Receptor at an Extremely Polymorphic Locus Controlling Sexual Maturation in the Platyfish. Genetics, 2013, 195, 1337-1352.	1.2	22
151	Hyperactivation of constitutively dimerized oncogenic EGF receptors by autocrine loops. Oncogene, 2013, 32, 2403-2411.	2.6	15
152	Alternative strategies for development of a reference transcriptome for quantification of allele specific expression in organisms having sparse genomic resources. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2013, 8, 11-16.	0.4	22
153	The African coelacanth genome provides insights into tetrapod evolution. Nature, 2013, 496, 311-316.	13.7	612
154	The evolutionary history of <scp>X</scp>iphophorus fish and their sexually selected sword: a genomeâ€wide approach using restriction siteâ€associated <scp>DNA</scp> sequencing. Molecular Ecology, 2013, 22, 2986-3001.	2.0	112
155	The genome of the platyfish, Xiphophorus maculatus, provides insights into evolutionary adaptation and several complex traits. Nature Genetics, 2013, 45, 567-572.	9.4	251
156	Evolution of a Genetic Incompatibility in the Genus Xiphophorus. Molecular Biology and Evolution, 2013, 30, 2302-2310.	3.5	21
157	Medaka Embryonic Stem Cells Are Capable of Generating Entire Organs and Embryo-Like Miniatures. Stem Cells and Development, 2013, 22, 750-757.	1.1	16
158	Characterization of Sex Determination and Sex Differentiation Genes in Latimeria. PLoS ONE, 2013, 8, e56006.	1.1	71
159	Bursted BMP Triggered Receptor Kinase Activity Drives Smad1 Mediated Long-Term Target Gene Oscillation in c2c12 Cells. PLoS ONE, 2013, 8, e59442.	1.1	2
160	p53 Gene Targeting by Homologous Recombination in Fish ES Cells. PLoS ONE, 2013, 8, e59400.	1.1	11
161	Zisupton--A Novel Superfamily of DNA Transposable Elements Recently Active in Fish. Molecular Biology and Evolution, 2012, 29, 631-645.	3.5	39
162	Parallel Differentiation of Embryonic Stem Cells into Different Cell Types by a Single Gene-Based Differentiation System. Cellular Reprogramming, 2012, 14, 106-111.	0.5	9

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163	Liver hyperplasia after tamoxifen induction of Myc in a transgenic medaka model. DMM Disease Models and Mechanisms, 2012, 5, 492-502.	1.2	7
164	Inducible and repressable oncogene-addicted hepatocellular carcinoma in Tet-on xmrk transgenic zebrafish. Journal of Hepatology, 2012, 56, 419-425.	1.8	101
165	Identification of transcriptome SNPs between Xiphophorus lines and species for assessing allele specific gene expression within F1 interspecies hybrids. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2012, 155, 102-108.	1.3	37
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