Manfred Schartl

List of Publications by Year
in descending order

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		7568	13771
471	24,938	77	129
papers	citations	h-index	g-index

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

#	Article	IF	Citations
1	A duplicated copy of DMRT1 in the sex-determining region of the Y chromosome of the medaka, Oryzias latipes. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 11778-11783.	7.1	783
2	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.	5.4	738
3	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.	21.4	685
4	Medaka â€" a model organism from the far east. Nature Reviews Genetics, 2002, 3, 53-64.	16.3	672
5	The African coelacanth genome provides insights into tetrapod evolution. Nature, 2013, 496, 311-316.	27.8	612
6	Neurotrophin-6 is a new member of the nerve growth factor family. Nature, 1994, 372, 266-269.	27.8	392
7	Novel putative receptor tyrosine kinase encoded by the melanoma-inducing Tu locus in Xiphophorus. Nature, 1989, 341, 415-421.	27.8	346
8	300 million years of conserved synteny between chicken Z and human chromosome 9. Nature Genetics, 1999, 21, 258-259.	21.4	330
9	First report on chicken genes and chromosomes 2000. Cytogenetic and Genome Research, 2000, 90, 169-218.	1.1	299
10	Wild Sex in Zebrafish: Loss of the Natural Sex Determinant in Domesticated Strains. Genetics, 2014, 198, 1291-1308.	2.9	282
11	More genes in fish?. BioEssays, 1998, 20, 511-515.	2.5	264
12	Recurrent origin of a sexually selected trait in Xiphophorus fishes inferred from a molecular phylogeny. Nature, 1994, 368, 539-542.	27.8	262
13	The genome of the platyfish, Xiphophorus maculatus, provides insights into evolutionary adaptation and several complex traits. Nature Genetics, 2013, 45, 567-572.	21.4	251
14	Insights into Sex Chromosome Evolution and Aging from the Genome of a Short-Lived Fish. Cell, 2015, 163, 1527-1538.	28.9	251
15	Structure and expression of the murine retinoblastoma gene and characterization of its encoded protein. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 6474-6478.	7.1	246
16	Plasticity of geneâ€regulatory networks controlling sex determination: of masters, slaves, usual suspects, newcomers, and usurpators. EMBO Reports, 2015, 16, 1260-1274.	4.5	216
17	Sex chromosome evolution in non-mammalian vertebrates. Current Opinion in Genetics and Development, 2004, 14, 634-641.	3.3	210
18	Pluripotency and differentiation of embryonic stem cell lines from the medakafish (Oryzias latipes). Mechanisms of Development, 1996, 60, 33-44.	1.7	197

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19	Incorporation of subgenomic amounts of DNA as compensation for mutational load in a gynogenetic fish. Nature, 1995, 373, 68-71.	27.8	192
20	Evolution of pigment synthesis pathways by gene and genome duplication in fish. BMC Evolutionary Biology, 2007, 7, 74.	3.2	191
21	Variability of genetic sex determination in poeciliid fishes. Genetica, 2001, 111, 101-110.	1.1	184
22	The genome and transcriptome of Japanese flounder provide insights into flatfish asymmetry. Nature Genetics, 2017, 49, 119-124.	21.4	178
23	Governing Sex Determination in Fish: Regulatory Putsches and Ephemeral Dictators. Sexual Development, 2007, 1, 85-99.	2.0	176
24	Production of medakafish chimeras from a stable embryonic stem cell line. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 3679-3684.	7.1	168
25	Dmrt1 genes at the crossroads: a widespread and central class of sexual development factors in fish. FEBS Journal, 2011, 278, 1010-1019.	4.7	165
26	Conserved synteny between the chicken Z sex chromosome and human chromosome 9 includes the male regulatory gene <i>DMRT1:</i> a comparative (re)view on avian sex determination. Cytogenetic and Genome Research, 2000, 89, 67-78.	1.1	159
27	Genomic organization of the sex-determining and adjacent regions of the sex chromosomes of medaka. Genome Research, 2006, 16, 815-826.	5.5	159
28	The sterlet sturgeon genome sequence and the mechanisms of segmental rediploidization. Nature Ecology and Evolution, 2020, 4, 841-852.	7.8	159
29	Evolutionary Origin of the Medaka Y Chromosome. Current Biology, 2004, 14, 1664-1669.	3.9	153
30	Beyond the zebrafish: diverse fish species for modeling human disease. DMM Disease Models and Mechanisms, 2014, 7, 181-92.	2.4	151
31	Absence of the Candidate Male Sex-Determining Gene dmrt1b(Y) of Medaka from Other Fish Species. Current Biology, 2003, 13, 416-420.	3.9	149
32	Genome editing reveals dmrt1 as an essential male sex-determining gene in Chinese tongue sole (Cynoglossus semilaevis). Scientific Reports, 2017, 7, 42213.	3.3	144
33	Evolutionary Origin of a Parthenoform, The Amazon Molly Poecilia formosa, on the Basis of a Molecular Genealogy. Evolution; International Journal of Organic Evolution, 1995, 49, 827.	2.3	143
34	Genomic Organization and Expression of the Doublesex-Related Gene Cluster in Vertebrates and Detection of Putative Regulatory Regions for DMRT1. Genomics, 2001, 77, 8-17.	2.9	137
35	Second report on chicken genes and chromosomes 2005. Cytogenetic and Genome Research, 2005, 109, 415-479.	1.1	136
36	Giant lungfish genome elucidates the conquest of land by vertebrates. Nature, 2021, 590, 284-289.	27.8	132

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37	Multiple Lineages of the Non-LTR Retrotransposon Rex1 with Varying Success in Invading Fish Genomes. Molecular Biology and Evolution, 2000, 17, 1673-1684.	8.9	131
38	Biogeography of the Amazon molly, Poecilia formosa. Journal of Biogeography, 2002, 29, 1-6.	3.0	129
39	Evolutionary Dynamics of the DM Domain Gene Family in Metazoans. Journal of Molecular Evolution, 2003, 57, S241-S249.	1.8	122
40	A bisexually reproducing all-triploid vertebrate. Nature Genetics, 2002, 30, 325-328.	21.4	121
41	The non-LTR retrotransposon Rex3 from the fish Xiphophorus is widespread among teleosts. Molecular Biology and Evolution, 1999, 16, 1427-1438.	8.9	119
42	Distribution of telomeric (TTAGGG)n sequences in avian chromosomes. Chromosoma, 2002, 111, 215-227.	2.2	117
43	Clonal polymorphism and high heterozygosity in the celibate genome of the Amazon molly. Nature Ecology and Evolution, 2018, 2, 669-679.	7.8	117
44	Determination of Onset of Sexual Maturation and Mating Behavior by Melanocortin Receptor 4 Polymorphisms. Current Biology, 2010, 20, 1729-1734.	3.9	116
45	From Mendelian to molecular genetics: the Xiphophorus melanoma model. Trends in Genetics, 2006, 22, 654-661.	6.7	115
46	Antarctic blackfin icefish genome reveals adaptations to extreme environments. Nature Ecology and Evolution, 2019, 3, 469-478.	7.8	115
47	Evidence for recent gene flow between north-eastern and south-eastern Madagascan poison frogs from a phylogeography of the Mantella cowani group. Frontiers in Zoology, 2007, 4, 1.	2.0	112
48	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.	3.9	112
49	Noninvasive determination of genome size and ploidy level in fishes by flow cytometry: detection of triploidPoecilia formosa. Cytometry, 2000, 39, 91-95.	1.8	109
50	Subfunctionalization of DuplicatemitfGenes Associated With Differential Degeneration of Alternative Exons in Fish. Genetics, 2002, 161, 259-267.	2.9	109
51	Identification of the master sex determining gene in Northern pike (Esox lucius) reveals restricted sex chromosome differentiation. PLoS Genetics, 2019, 15, e1008013.	3.5	107
52	Tumor Suppression in Xiphophorus by an Accidentally Acquired Promoter. Science, 1993, 259, 816-819.	12.6	106
53	What is a vertebrate pigment cell?. Pigment Cell and Melanoma Research, 2016, 29, 8-14.	3.3	106
54	Xiphophorus As An In Vivo Model for Studies on Normal and Defective Control of Oncogenes. Advances in Cancer Research, 1984, 42, 191-275.	5.0	105

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55	Hybrid origin of a swordtail species (Teleostei: Xiphophorus clemenciae) driven by sexual selection. Molecular Ecology, 2006, 15, 721-730.	3.9	105
56	Differential expression of antiâ€MÃ¼llerian hormone (amh) and antiâ€MÃ¼llerian hormone receptor type II (amhrII) in the teleost medaka. Developmental Dynamics, 2007, 236, 271-281.	1.8	105
57	Pigmentation Pathway Evolution after Whole-Genome Duplication in Fish. Genome Biology and Evolution, 2009, 1, 479-493.	2.5	104
58	Dynamics of vertebrate sex chromosome evolution: from equal size to giants and dwarfs. Chromosoma, 2016, 125, 553-571.	2.2	103
59	Inducible and repressable oncogene-addicted hepatocellular carcinoma in Tet-on xmrk transgenic zebrafish. Journal of Hepatology, 2012, 56, 419-425.	3.7	101
60	Platyfish and swordtails: a genetic system for the analysis of molecular mechanisms in tumor formation. Trends in Genetics, 1995, 11, 185-189.	6.7	100
61	Transcriptional Rewiring of the Sex Determining dmrt1 Gene Duplicate by Transposable Elements. PLoS Genetics, 2010, 6, e1000844.	3.5	100
62	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.	6.4	95
63	A comparative view on sex determination in medaka. Mechanisms of Development, 2004, 121, 639-645.	1.7	91
64	Divergent expression patterns of Sox9 duplicates in teleosts indicate a lineage specific subfunctionalization. Development Genes and Evolution, 2005, 215, 297-305.	0.9	91
65	RNA-seq analysis identifies different transcriptomic types and developmental trajectories of primary melanomas. Oncogene, 2018, 37, 6136-6151.	5.9	91
66	Synaptophysin: a substrate for the protein tyrosine kinase pp60c-src in intact synaptic vesicles. Oncogene, 1990, 5, 1019-24.	5.9	90
67	Molecular cloning and characterization of DMRT genes from the medaka Oryzias latipes and the platyfish Xiphophorus maculatus. Gene, 2002, 295, 213-222.	2.2	89
68	Specification of primordial germ cells in medaka (Oryzias latipes). BMC Developmental Biology, 2007, 7, 3.	2.1	89
69	Non-LTR Retrotransposons Encoding a Restriction Enzyme-Like Endonuclease in Vertebrates. Journal of Molecular Evolution, 2001, 52, 351-360.	1.8	88
70	Activation of p59Fyn Leads to Melanocyte Dedifferentiation by Influencing MKP-1-regulated Mitogen-activated Protein Kinase Signaling. Journal of Biological Chemistry, 2002, 277, 6443-6454.	3.4	87
71	Mitf expression is sufficient to direct differentiation of medaka blastula derived stem cells to melanocytes. Development (Cambridge), 2003, 130, 6545-6553.	2.5	87
72	Developmentally regulated and non-sex-specific expression of autosomal dmrt genes in embryos of the Medaka fish (Oryzias latipes). Mechanisms of Development, 2004, 121, 997-1005.	1.7	87

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73	High tandem repeat content in the genome of the short-lived annual fish Nothobranchius furzeri: a new vertebrate model for aging research. Genome Biology, 2009, 10, R16.	9.6	87
74	Foxl2 and Its Relatives Are Evolutionary Conserved Players in Gonadal Sex Differentiation. Sexual Development, 2016, 10, 111-129.	2.0	87
75	Mapping heterogeneity in patient-derived melanoma cultures by single-cell RNA-seq. Oncotarget, 2017, 8, 846-862.	1.8	87
76	Monophyletic origin of multiple clonal lineages in an asexual fish (Poecilia formosa). Molecular Ecology, 2010, 19, 5204-5215.	3.9	86
77	Natural hybridization reveals incompatible alleles that cause melanoma in swordtail fish. Science, 2020, 368, 731-736.	12.6	86
78	Identification and comparative expression analysis of a secondwt1 gene in zebrafish. Developmental Dynamics, 2006, 235, 554-561.	1.8	84
79	The origin and evolution of a unisexual hybrid:Poecilia formosa. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 2901-2909.	4.0	84
80	Pigmentary function and evolution of tyrp1 gene duplicates in fish. Pigment Cell and Melanoma Research, 2009, 22, 839-850.	3.3	83
81	Oncogene activation in melanocytes links reactive oxygen to multinucleated phenotype and senescence. Oncogene, 2008, 27, 7070-7082.	5.9	81
82	The Endothelin System: Evolution of Vertebrate-Specific Ligand-Receptor Interactions by Three Rounds of Genome Duplication. Molecular Biology and Evolution, 2009, 26, 783-799.	8.9	81
83	A RAD-Tag Genetic Map for the Platyfish (Xiphophorus maculatus) Reveals Mechanisms of Karyotype Evolution Among Teleost Fish. Genetics, 2014, 197, 625-641.	2.9	80
84	p53 and c-Jun Functionally Synergize in the Regulation of the DNA Repair Gene hMSH2 in Response to UV. Journal of Biological Chemistry, 2000, 275, 37469-37473.	3.4	79
85	Dosage Compensation by Gene-Copy Silencing in a Triploid Hybrid Fish. Current Biology, 2008, 18, 1344-1348.	3.9	79
86	A Mutated EGFR Is Sufficient to Induce Malignant Melanoma with Genetic Background-Dependent Histopathologies. Journal of Investigative Dermatology, 2010, 130, 249-258.	0.7	79
87	Medaka dmY/dmrt1Y is not the universal primary sex-determining gene in fish. Trends in Genetics, 2003, 19, 196-199.	6.7	78
88	Synteny conservation of the Z chromosome in 14 avian species (11 families) supports a role for Z dosage in avian sex determination. Cytogenetic and Genome Research, 2008, 122, 150-156.	1.1	78
89	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.	1.5	78
90	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.	4.8	76

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91	Early stages of sex chromosome differentiation in fish as analysed by simple repetitive DNA sequences. Chromosoma, 1992, 101, 301-310.	2.2	75
92	Amplification of a long terminal repeat-like element on the Y chromosome of the platyfish, Xiphophorus maculatus. Chromosoma, 2000, 109, 173-180.	2.2	75
93	The Lungfish Transcriptome: A Glimpse into Molecular Evolution Events at the Transition from Water to Land. Scientific Reports, 2016, 6, 21571.	3.3	75
94	Male Mate Choice in Mixed Bisexual/Unisexual Breeding Complexes of Poecilia (Teleostei:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	1.1	74
95	miR-196 regulates axial patterning and pectoral appendage initiation. Developmental Biology, 2011, 357, 463-477.	2.0	74
96	Transposable elements and early evolution of sex chromosomes in fish. Chromosome Research, 2015, 23, 545-560.	2.2	74
97	Chromosomal evidence for laboratory synthesis of a triploid hybrid between the gynogenetic teleost Poecilia formosa and its host species. Journal of Fish Biology, 1995, 47, 619-623.	1.6	73
98	Evolution of melanocortin receptors in teleost fish: The melanocortin type 1 receptor. Gene, 2007, 401, 114-122.	2.2	73
99	The Expression in Eukaryotes of a Tyrosine Kinase Which is Reactive with pp60v-src Antibodies. Differentiation, 1982, 23, 109-114.	1.9	71
100	Characterization of Sex Determination and Sex Differentiation Genes in Latimeria. PLoS ONE, 2013, 8, e56006.	2.5	71
101	Common Spontaneous Sex-Reversed XX males of the Medaka Oryzias latipes. Genetics, 2003, 163, 245-251.	2.9	71
102	Transient expression directed by homologus and heterologous prometer and enhancer sequences in fish cells. Nucleic Acids Research, 1990, 18, 3299-3305.	14.5	70
103	Ectopic Expression of Neurogenin 2 Alone is Sufficient to Induce Differentiation of Embryonic Stem Cells into Mature Neurons. PLoS ONE, 2012, 7, e38651.	2.5	70
104	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.	7.4	69
105	Sex Determination: Switch and Suppress. Current Biology, 2011, 21, R656-R659.	3.9	68
106	Differential expression of the cellular src gene during vertebrate development. Developmental Biology, 1984, 105, 415-422.	2.0	67
107	Sex chromosome polymorphism and heterogametic males revealed by two cloned DNA probes in the ZW/ZZ fish Leporinus elongatus. Chromosoma, 1994, 103, 31-39.	2.2	67
108	Human malignant melanoma. A genetic disease?. Cancer, 1995, 75, 1228-1237.	4.1	67

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109	In vitro evidence for senescent multinucleated melanocytes as a source for tumor-initiating cells. Cell Death and Disease, 2015, 6, e1711-e1711.	6.3	67
110	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.	7.1	67
111	Brainâ€Derived Neurotrophic Factor Is More Highly Conserved in Structure and Function than Nerve Growth Factor During Vertebrate Evolution. Journal of Neurochemistry, 1992, 59, 432-442.	3.9	66
112	Automictic Reproduction in Interspecific Hybrids of Poeciliid Fish. Current Biology, 2007, 17, 1948-1953.	3.9	66
113	Comprehensive phylogenetic analysis of all species of swordtails and platies (Pisces: Genus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 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
114	Autocrine stimulation by osteopontin contributes to antiapoptotic signalling of melanocytes in dermal collagen. Cancer Research, 2002, 62, 4820-8.	0.9	66
115	EVOLUTIONARY ORIGIN OF A PARTHENOFORM, THE AMAZON MOLLYPOECILIA FORMOSA, ON THE BASIS OF A MOLECULAR GENEALOGY. Evolution; International Journal of Organic Evolution, 1995, 49, 827-835.	2.3	65
116	Chromosome repatterning in three representative parrots (Psittaciformes) inferred from comparative chromosome painting. Cytogenetic and Genome Research, 2007, 117, 43-53.	1.1	65
117	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.	8.9	65
118	Vertebrate sex-determining genes play musical chairs. Comptes Rendus - Biologies, 2016, 339, 258-262.	0.2	65
119	Melanoma Loss-of-Function Mutants in Xiphophorus Caused by Xmrk-Oncogene Deletion and Gene Disruption by a Transposable Element. Genetics, 1999, 153, 1385-1394.	2.9	65
120	A VERTEBRATE REPRODUCTIVE SYSTEM INVOLVING THREE PLOIDY LEVELS: HYBRID ORIGIN OF TRIPLOIDS IN A CONTACT ZONE OF DIPLOID AND TETRAPLOID PALEARCTIC GREEN TOADS (BUFO VIRIDIS SUBGROUP)*. Evolution; International Journal of Organic Evolution, 2010, 64, 944-959.	2.3	63
121	The giant B chromosome of the cyprinid fish Alburnus alburnus harbours a retrotransposon-derived repetitive DNA sequence. Chromosome Research, 2003, 11, 23-35.	2.2	62
122	The Xmrk receptor tyrosine kinase is activated in Xiphophorus malignant melanoma.. EMBO Journal, 1992, 11, 4239-4246.	7.8	61
123	Functional Divergence of Two Zebrafish Midkine Growth Factors Following Fish-Specific Gene Duplication. Genome Research, 2003, 13, 1067-1081.	5.5	60
124	Sex and the TEs: transposable elements in sexual development and function in animals. Mobile DNA, 2019, 10, 42.	3.6	60
125	Evolution of master sex determiners: TGF-Î² signalling pathways at regulatory crossroads. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200091.	4.0	60
126	Retention of the Developmental Pluripotency in Medaka Embryonic Stem Cells after Gene Transfer and Long-term Drug Selection for Gene Targeting in Fish. Transgenic Research, 2004, 13, 41-50.	2.4	59

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127	The AP-1 transcription factor FOSL1 causes melanocyte reprogramming and transformation. Oncogene, 2017, 36, 5110-5121.	5.9	59
128	Transcriptional activation of the melanoma inducing Xmrk oncogene in Xiphophorus. Oncogene, 1991, 6, 73-80.	5.9	59
129	Tissue-Specific Expression ofdmrtGenes in Embryos and Adults of the PlatyfishXiphophorus maculatus. Zebrafish, 2006, 3, 325-337.	1.1	57
130	Sex Determination Diversity and Sex Chromosome Evolution in Poeciliid Fish. Sexual Development, 2009, 3, 68-77.	2.0	57
131	Chromosomal evidence for laboratory synthesis of a triploid hybrid between the gynogenetic teleostPoecilia formosaand its host species. Journal of Fish Biology, 1995, 47, 619-623.	1.6	57
132	STAT5 Contributes to Interferon Resistance of Melanoma Cells. Current Biology, 2005, 15, 1629-1639.	3.9	56
133	Multiple origins of tetraploid taxa in the Eurasian Bufo viridis subgroup. Genetica, 2005, 124, 255-272.	1.1	56
134	Sox5 is involved in germ-cell regulation and sex determination in medaka following co-option of nested transposable elements. BMC Biology, 2018, 16, 16.	3.8	56
135	The Macromelanophore Locus and the Melanoma Oncogene Xmrk Are Separate Genetic Entities in the Genome of Xiphophorus. Genetics, 1998, 149, 1909-1920.	2.9	56
136	Inhibition of primordial germ cell proliferation by the medaka male determining gene Dmrt1bY. BMC Developmental Biology, 2007, 7, 99.	2.1	55
137	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.	3.3	55
138	Intragenic Sex-Chromosomal Crossovers of Xmrk Oncogene Alleles Affect Pigment Pattern Formation and the Severity of Melanoma in Xiphophorus. Genetics, 1999, 151, 773-783.	2.9	55
139	Expression of the c-src protooncogene in human skin tumors. Cancer Research, 1987, 47, 235-40.	0.9	54
140	Identification of a fish protein associated with a kinase activity and related to the Rous sarcoma virus transforming protein. Cancer Research, 1982, 42, 2429-33.	0.9	54
141	On the stability of dispensable constituents of the eukaryotic genome: stability of coding sequences versus truly hypervariable sequences in a clonal vertebrate, the amazon molly, Poecilia formosa.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 8759-8763.	7.1	53
142	Localization of aCDKN2 gene in linkage group V ofXiphophorus fishes defines it as a candidate for theDIFF tumor suppressor. , 1998, 22, 210-220.		52
143	Dispensable and indispensable genes in an ameiotic fish, the Amazon molly <i>Poecilia formosa</i>. Cytogenetic and Genome Research, 1998, 80, 193-198.	1.1	52
144	Lack of ultraviolet-light inducibility of the medakafish (Oryzias latipes) tumor suppressor gene p53. Gene, 2001, 264, 197-203.	2.2	52

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145	Construction and initial analysis of bacterial artificial chromosome (BAC) contigs from the sex-determining region of the platyfish Xiphophorus maculatus. Gene, 2002, 295, 247-254.	2.2	52
146	Sex Determination and Sex Chromosome Evolution: Insights from Medaka. Sexual Development, 2009, 3, 88-98.	2.0	52
147	Homology of melanoma-inducing loci in the genus Xiphophorus.. Genetics, 1990, 126, 1083-1091.	2.9	52
148	Transient expression of foreign DNA during embryonic and larval development of the medaka fish (Oryzias latipes). Molecular Genetics and Genomics, 1991, 226-226, 129-140.	2.4	51
149	Cloning of the dmrt1 gene of Xiphophorus maculatus: dmY/dmrt1Y is not the master sex-determining gene in the platyfish. Gene, 2003, 317, 59-66.	2.2	51
150	Sex chromosome polymorphism in guppies. Chromosoma, 2014, 123, 373-383.	2.2	51
151	Efficiency of cell culture derivation from blastula embryos and of chimera formation in the medaka () Tj ETQq1 1 0.784314 rgBT /Over 1998, 208, 595-602.	0.9	50
152	Male mating behaviour of a molly, Poecilia latipunctata : a third host for the sperm-dependent Amazon molly, Poecilia formosa. Acta Ethologica, 2002, 5, 45-49.	0.9	50
153	Activation of STAT5 triggers proliferation and contributes to anti-apoptotic signalling mediated by the oncogenic Xmrk kinase. Oncogene, 2002, 21, 1668-1678.	5.9	50
154	Sequential SDF1a and b-induced mobility guides Medaka PGC migration. Developmental Biology, 2008, 320, 319-327.	2.0	50
155	Spontaneous melanoma formation in nonhybrid Xiphophorus. Cancer Research, 1995, 55, 159-65.	0.9	50
156	Fish retroposons related to the Penelope element of Drosophila virilis define a new group of retrotransposable elements. Molecular Genetics and Genomics, 2001, 265, 711-720.	2.1	49
157	Ty3/Gypsy Retrotransposon Fossils in Mammalian Genomes: Did They Evolve into New Cellular Functions?. Molecular Biology and Evolution, 2001, 18, 266-270.	8.9	49
158	Ligand-independent Dimerization and Activation of the Oncogenic Xmrk Receptor by Two Mutations in the Extracellular Domain. Journal of Biological Chemistry, 2001, 276, 3333-3340.	3.4	49
159	MMP13 mediates cell cycle progression in melanocytes and melanoma cells: in vitro studies of migration and proliferation. Molecular Cancer, 2010, 9, 201.	19.2	49
160	Evolution and Discontinuous Distribution of Rex3 Retrotransposons in Fish. Molecular Biology and Evolution, 2001, 18, 427-431.	8.9	47
161	Zebrafish and medaka as models for bone research including implications regarding space-related issues. Protoplasma, 2006, 229, 209-214.	2.1	47
162	Simultaneous Mendelian and clonal genome transmission in a sexually reproducing, all-triploid vertebrate. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 1293-1299.	2.6	47

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163	Primitive sex chromosomes in poeciliid fishes harbor simple repetitive DNA sequences. The Journal of Experimental Zoology, 1993, 265, 301-308.	1.4	46
164	Activation of the mouse Oct4 promoter in medaka embryonic stem cells and its use for ablation of spontaneous differentiation. Mechanisms of Development, 2004, 121, 933-943.	1.7	46
165	Evolution of Xmrk: an oncogene, but also a speciation gene?. BioEssays, 2008, 30, 822-832.	2.5	46
166	Stable Inheritance of Host Species-Derived Microchromosomes in the Gynogenetic Fish Poecilia formosa. Genetics, 2007, 177, 917-926.	2.9	45
167	Jule from the Fish Xiphophorus Is the First Complete Vertebrate Ty3/Gypsy Retrotransposon from the Mag Family. Molecular Biology and Evolution, 2001, 18, 101-111.	8.9	43
168	Hormonal Induction and Stability of Monosex Populations in the Medaka (Oryzias latipes): Expression of Sex-Specific Marker Genes. Biology of Reproduction, 2003, 69, 673-678.	2.7	42
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