Byrappa Venkatesh

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8913950/publications.pdf

Version: 2024-02-01

184 papers	15,972 citations	32410 55 h-index	23841 115 g-index
199 all docs	199 docs citations	199 times ranked	16694 citing authors

#	Article	IF	Citations
1	Huriez syndrome: Additional pathogenic variants supporting allelism to <scp>SMARCAD</scp> syndrome. American Journal of Medical Genetics, Part A, 2022, 188, 1752-1760.	0.7	2
2	Discovery of a genetic module essential for assigning leftâ€“right asymmetry in humans and ancestral vertebrates. Nature Genetics, 2022, 54, 62-72.	9.4	16
3	Carcinoscorpius rotundicauda (mangrove horseshoe crab). Trends in Genetics, 2022, , .	2.9	0
4	Singapore Undiagnosed Disease Program: Genomic Analysis aids Diagnosis and Clinical Management. Archives of Disease in Childhood, 2021, 106, 31-37.	1.0	17
5	The emergence of the brain non-CpG methylation system in vertebrates. Nature Ecology and Evolution, 2021, 5, 369-378.	3.4	63
6	Antigen receptor repertoires of one of the smallest known vertebrates. Science Advances, 2021, 7, .	4.7	8
7	Genome sequences reveal global dispersal routes and suggest convergent genetic adaptations in seahorse evolution. Nature Communications, 2021, 12, 1094.	5.8	29
8	Huriez syndrome caused by a large deletion that abrogates the skinâ€specific isoform of <i>SMARCAD1</i>. British Journal of Dermatology, 2021, 184, 1205-1207.	1.4	3
9	Towards complete and error-free genome assemblies of all vertebrate species. Nature, 2021, 592, 737-746.	13.7	1,139
10	Whole-Exome Sequencing to Identify Potential Genetic Risk in Substance Use Disorders: A Pilot Feasibility Study. Journal of Clinical Medicine, 2021, 10, 2810.	1.0	1
11	Reconstruction of proto-vertebrate, proto-cyclostome and proto-gnathostome genomes provides new insights into early vertebrate evolution. Nature Communications, 2021, 12, 4489.	5.8	88
12	The different fates of two Asian horseshoe crab species with different dispersal abilities. Evolutionary Applications, 2021, 14, 2124-2133.	1.5	3
13	Seadragon genome analysis provides insights into its phenotype and sex determination locus. Science Advances, 2021, 7, .	4.7	32
14	Oxygenation properties of hemoglobin and the evolutionary origins of isoform multiplicity in an amphibious air-breathing fish, the blue-spotted mudskipper (<i>Boleophthalmus pectinirostris</i>). Journal of Experimental Biology, 2020, 223, .	0.8	7
15	Specific macrophage populations promote both cardiac scar deposition and subsequent resolution in adult zebrafish. Cardiovascular Research, 2020, 116, 1357-1371.	1.8	85
16	Comparative genomics reveal shared genomic changes in syngnathid fishes and signatures of genetic convergence with placental mammals. National Science Review, 2020, 7, 964-977.	4.6	32
17	Chromosomeâ€level genome assembly of the coastal horseshoe crab (<i>Tachypleus gigas</i>). Molecular Ecology Resources, 2020, 20, 1748-1760.	2.2	20
18	Conservation as well as divergence in Mcidas function underlies the differentiation of multiciliated cells in vertebrates. Developmental Biology, 2020, 465, 168-177.	0.9	10

#	Article	IF	Citations
19	A loss-of-function NUAK2 mutation in humans causes anencephaly due to impaired Hippo-YAP signaling. Journal of Experimental Medicine, 2020, 217, .	4.2	25
20	Chromosome-level assembly of the horseshoe crab genome provides insights into its genome evolution. Nature Communications, 2020, 11, 2322.	5.8	57
21	Cartilaginous fishes offer unique insights into the evolution of the nuclear receptor gene repertoire in gnathostomes. General and Comparative Endocrinology, 2020, 295, 113527.	0.8	22
22	Loss-of-function mutations in UDP-Glucose 6-Dehydrogenase cause recessive developmental epileptic encephalopathy. Nature Communications, 2020, 11, 595.	5.8	35
23	Dominant-negative NFKBIA mutation promotes IL-1Î² production causing hepatic disease with severe immunodeficiency. Journal of Clinical Investigation, 2020, 130, 5817-5832.	3.9	17
24	Transcriptional activation of elephant shark mineralocorticoid receptor by corticosteroids, progesterone, and spironolactone. Science Signaling, 2019, 12, .	1.6	30
25	Evolutionary Plasticity in Detoxification Gene Modules: The Preservation and Loss of the Pregnane X Receptor in Chondrichthyes Lineages. International Journal of Molecular Sciences, 2019, 20, 2331.	1.8	7
26	Sydney Brennerâ€"a personal perspective. Genome Research, 2019, 29, vii-ix.	2.4	2
27	Novel mutation in HTRA1 in a family with diffuse white matter lesions and inflammatory features. Neurology: Genetics, 2019, 5, e345.	0.9	9
28	Lampreys, the jawless vertebrates, contain three Pax6 genes with distinct expression in eye, brain and pancreas. Scientific Reports, 2019, 9, 19559.	1.6	23
29	The Divergent Genomes of Teleosts. Annual Review of Animal Biosciences, 2018, 6, 47-68.	3.6	134
30	The Ancient Origins of Neural Substrates for Land Walking. Cell, 2018, 172, 667-682.e15.	13.5	76
31	Novel mutations in the ciliopathy-associated gene CPLANE1 (C5orf42) cause OFD syndrome type VI rather than Joubert syndrome. European Journal of Medical Genetics, 2018, 61, 585-595.	0.7	22
32	Expansions, diversification, and interindividual copy number variations of AID/APOBEC family cytidine deaminase genes in lampreys. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3211-E3220.	3.3	23
33	Retention of fatty acyl desaturase 1 (fads1) in Elopomorpha and Cyclostomata provides novel insights into the evolution of long-chain polyunsaturated fatty acid biosynthesis in vertebrates. BMC Evolutionary Biology, 2018, 18, 157.	3.2	40
34	Comprehensive phylogeny of ray-finned fishes (Actinopterygii) based on transcriptomic and genomic data. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6249-6254.	3.3	445
35	Characterization of Gonadotropin-Releasing Hormone (GnRH) Genes From Cartilaginous Fish: Evolutionary Perspectives. Frontiers in Neuroscience, 2018, 12, 607.	1.4	21
36	Reversal of Phenotypic Abnormalities by CRISPR/Cas9-Mediated Gene Correction in Huntington Disease Patient-Derived Induced Pluripotent StemÂCells. Stem Cell Reports, 2017, 8, 619-633.	2.3	193

#	ARTICLE	IF	CITATIONS
37	Loss-of-Function Mutations in LGI4, a Secreted Ligand Involved in Schwann Cell Myelination, Are Responsible for Arthrogryposis Multiplex Congenita. American Journal of Human Genetics, 2017, 100, 659-665.	2.6	19
38	Voltage-gated sodium channel gene repertoire of lampreys: gene duplications, tissue-specific expression and discovery of a long-lost gene. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170824.	1.2	5
39	CDK10 Mutations in Humans and Mice Cause Severe Growth Retardation, Spine Malformations, and Developmental Delays. American Journal of Human Genetics, 2017, 101, 391-403.	2.6	35
40	Lampreys, the jawless vertebrates, contain only two ParaHox gene clusters. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9146-9151.	3.3	18
41	Draft genome of the lined seahorse, Hippocampus erectus. GigaScience, 2017, 6, 1-6.	3.3	38
42	LXRÎ± and LXRÎ² nuclear receptors evolved in the common ancestor of gnathostomes. Genome Biology and Evolution, 2017, 9, evw305.	1.1	10
43	Evolutionary functional elaboration of the Elovl2/5 gene family in chordates. Scientific Reports, 2016, 6, 20510.	1.6	60
44	A chromosome-level genome assembly of the Asian arowana, Scleropages formosus. Scientific Data, 2016, 3, 160105.	2.4	13
45	The seahorse genome and the evolution of its specialized morphology. Nature, 2016, 540, 395-399.	13.7	186
46	The Asian arowana (Scleropages formosus) genome provides new insights into the evolution of an early lineage of teleosts. Scientific Reports, 2016, 6, 24501.	1.6	89
47	The p53â€“Mdm2 interaction and the E3 ligase activity of Mdm2/Mdm4 are conserved from lampreys to humans. Genes and Development, 2016, 30, 281-292.	2.7	34
48	The genome of the largest bony fish, ocean sunfish (Mola mola), provides insights into its fast growth rate. GigaScience, 2016, 5, 36.	3.3	32
49	Identification of three somatostatin genes in lampreys. General and Comparative Endocrinology, 2016, 237, 89-97.	0.8	13
50	Incidentalome from Genomic Sequencing: A Barrier to Personalized Medicine?. EBioMedicine, 2016, 5, 211-216.	2.7	23
51	A novel ICK mutation causes ciliary disruption and lethal endocrine-cerebro-osteodysplasia syndrome. Cilia, 2016, 5, 8.	1.8	37
52	Cyclostomes Lack Clustered Protocadherins. Molecular Biology and Evolution, 2016, 33, 311-315.	3.5	8
53	The spotted gar genome illuminates vertebrate evolution and facilitates human-teleost comparisons. Nature Genetics, 2016, 48, 427-437.	9.4	545
54	Ancient Duplications and Expression Divergence in the Globin Gene Superfamily of Vertebrates: Insights from the Elephant Shark Genome and Transcriptome. Molecular Biology and Evolution, 2015, 32, 1684-1694.	3.5	44

#	ARTICLE	IF	CITATIONS
55	Early Evolution of Vertebrate Mybs: An Integrative Perspective Combining Synteny, Phylogenetic, and Gene Expression Analyses. Genome Biology and Evolution, 2015, 7, 3009-3021.	1.1	19
56	Runx Family Genes in a Cartilaginous Fish, the Elephant Shark (Callorhinchus milii). PLoS ONE, 2014, 9, e93816.	1.1	4
57	Mudskipper genomes provide insights into the terrestrial adaptation of amphibious fishes. Nature Communications, 2014, 5, 5594.	5.8	135
58	Venkatesh et al. reply. Nature, 2014, 511, E9-E10.	13.7	10
59	A survey of ancient conserved non-coding elements in the PAX6 locus reveals a landscape of interdigitated cis-regulatory archipelagos. Developmental Biology, 2014, 387, 214-228.	0.9	36
60	Recurrent gene loss correlates with the evolution of stomach phenotypes in gnathostome history. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132669.	1.2	65
61	Elephant shark genome provides unique insights into gnathostome evolution. Nature, 2014, 505, 174-179.	13.7	689
62	The genomic substrate for adaptive radiation in African cichlid fish. Nature, 2014, 513, 375-381.	13.7	874
63	Nanoconfined Î²-Sheets Mechanically Reinforce the Supra-Biomolecular Network of Robust Squid Sucker Ring Teeth. ACS Nano, 2014, 8, 7170-7179.	7.3	88
64	Evolving Hox Activity Profiles Govern Diversity in Locomotor Systems. Developmental Cell, 2014, 29, 171-187.	3.1	56
65	On the origin of SCPP genes. Evolution & Development, 2014, 16, 125-126.	1.1	4
66	Characterization of the Runx Gene Family in a Jawless Vertebrate, the Japanese Lamprey (Lethenteron) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.1	25
67	Expression of Wnt signaling skeletal development genes in the cartilaginous fish, elephant shark (Callorhinchus milii). General and Comparative Endocrinology, 2013, 193, 1-9.	0.8	4
68	The African coelacanth genome provides insights into tetrapod evolution. Nature, 2013, 496, 311-316.	13.7	612
69	Seipin differentially regulates lipogenesis and adipogenesis through a conserved core sequence and an evolutionarily acquired C-terminus. Biochemical Journal, 2013, 452, 37-44.	1.7	37
70	Sequencing of Pax6 Loci from the Elephant Shark Reveals a Family of Pax6 Genes in Vertebrate Genomes, Forged by Ancient Duplications and Divergences. PLoS Genetics, 2013, 9, e1003177.	1.5	40
71	Evidence for at least six Hox clusters in the Japanese lamprey (<i>Lethenteron japonicum</i>). Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16044-16049.	3.3	202
72	Basal Vertebrates Clarify the Evolutionary History of Ciliopathy-Associated Genes Tmem138 and Tmem216. Molecular Biology and Evolution, 2013, 30, 62-65.	3.5	5

#	ARTICLE	IF	CITATIONS
73	A Trans-Species Missense SNP in Amhr2 Is Associated with Sex Determination in the Tiger Pufferfish, Takifugu rubripes (Fugu). PLoS Genetics, 2012, 8, e1002798.	1.5	518
74	An ancient genomic regulatory block conserved across bilaterians and its dismantling in tetrapods by retrogene replacement. Genome Research, 2012, 22, 642-655.	2.4	35
75	The fifth neurohypophysial hormone receptor is structurally related to the V2-type receptor but functionally similar to V1-type receptors. General and Comparative Endocrinology, 2012, 178, 519-528.	0.8	59
76	Tissue sampling methods and standards for vertebrate genomics. GigaScience, 2012, 1, 8.	3.3	51
77	The fishes of Genome 10K. Marine Genomics, 2012, 7, 3-6.	0.4	39
78	Evolution of the Cdk-activator Speedy/RINGO in vertebrates. Cellular and Molecular Life Sciences, 2012, 69, 3835-3850.	2.4	20
79	Evolution and Functional Characterisation of Melanopsins in a Deep-Sea Chimaera (Elephant Shark,) Tj ETQq1 1 0.784314 rgBT /Overloc	1.1	25
80	Sequencing and Analysis of Full-Length cDNAs, 5â€²-ESTs and 3â€²-ESTs from a Cartilaginous Fish, the Elephant Shark (Callorhinchus milii). PLoS ONE, 2012, 7, e47174.	1.1	10
81	Mouse Transgenesis Identifies Conserved Functional Enhancers and cis-Regulatory Motif in the Vertebrate LIM Homeobox Gene Lhx2 Locus. PLoS ONE, 2011, 6, e20088.	1.1	12
82	Integration of the Genetic Map and Genome Assembly of Fugu Facilitates Insights into Distinct Features of Genome Evolution in Teleosts and Mammals. Genome Biology and Evolution, 2011, 3, 424-442.	1.1	137
83	Emergence and evolution of the glycoprotein hormone and neurotrophin gene families in vertebrates. BMC Evolutionary Biology, 2011, 11, 332.	3.2	49
84	Conservation of all three p53 family members and Mdm2 and Mdm4 in the cartilaginous fish. Cell Cycle, 2011, 10, 4272-4279.	1.3	36
85	Ancient Vertebrate Conserved Noncoding Elements Have Been Evolving Rapidly in Teleost Fishes. Molecular Biology and Evolution, 2011, 28, 1205-1215.	3.5	71
86	Functional conservation of a forebrain enhancer from the elephant shark (Callorhinchus milii) in zebrafish and mice. BMC Evolutionary Biology, 2010, 10, 157.	3.2	11
87	Parathyroid hormone gene family in a cartilaginous fish, the elephant shark (<i>Callorhinchus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	3.1	26
88	Regulation of protocadherin gene expression by multiple neuron-restrictive silencer elements scattered in the gene cluster. Nucleic Acids Research, 2010, 38, 4985-4997.	6.5	28
89	Characterization of a hypoxia-response element in the Epo locus of the pufferfish, Takifugu rubripes. Marine Genomics, 2010, 3, 63-70.	0.4	13
90	Evolutionary Origin and Phylogeny of the Modern Holocephalans (Chondrichthyes: Chimaeriformes): A Mitogenomic Perspective. Molecular Biology and Evolution, 2010, 27, 2576-2586.	3.5	195

#	Article	IF	Citations
91	Enforced Expression of Simian Virus 40 Large T-Antigen Leads to Testicular Germ Cell Tumors in Zebrafish. Zebrafish, 2010, 7, 333-341.	0.5	22
92	Into the blue: Gene duplication and loss underlie color vision adaptations in a deep-sea chimaera, the elephant shark<i>Callorhinchus milii</i>. Genome Research, 2009, 19, 415-426.	2.4	62
93	Elephant shark (<i>Callorhinchus milii</i>) provides insights into the evolution of Hox gene clusters in gnathostomes. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16327-16332.	3.3	74
94	Characterization of the neurohypophysial hormone gene loci in elephant shark and the Japanese lamprey: origin of the vertebrate neurohypophysial hormone genes. BMC Evolutionary Biology, 2009, 9, 47.	3.2	118
95	Phylogenetic and evolutionary relationships and developmental expression patterns of the zebrafish twist gene family. Development Genes and Evolution, 2009, 219, 289-300.	0.4	15
96	Evolution of Genetic Networks Underlying the Emergence of Thymopoiesis in Vertebrates. Cell, 2009, 138, 186-197.	13.5	168
97	Neuropeptide Y-family peptides and receptors in the elephant shark, Callorhinchus milii confirm gene duplications before the gnathostome radiation. Genomics, 2009, 93, 254-260.	1.3	50
98	Identification and Comparative Analysis of the Protocadherin Cluster in a Reptile, the Green Anole Lizard. PLoS ONE, 2009, 4, e7614.	1.1	11
99	Evolution of the neuropeptide Y family: New genes by chromosome duplications in early vertebrates and in teleost fishes. General and Comparative Endocrinology, 2008, 155, 705-716.	0.8	97
100	Early vertebrate chromosome duplications and the evolution of the neuropeptide Y receptor gene regions. BMC Evolutionary Biology, 2008, 8, 184.	3.2	62
101	Sequence and organization of coelacanth neurohypophysial hormone genes: Evolutionary history of the vertebrate neurohypophysial hormone gene locus. BMC Evolutionary Biology, 2008, 8, 93.	3.2	46
102	Rapidly evolving fish genomes and teleost diversity. Current Opinion in Genetics and Development, 2008, 18, 544-550.	1.5	219
103	Fugu rubripes and human survival motor neuron genes: Structural and functional similarities in comparative genome studies. Gene, 2008, 424, 108-114.	1.0	1
104	Elephant shark sequence reveals unique insights into the evolutionary history of vertebrate genes: A comparative analysis of the protocadherin cluster. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3819-3824.	3.3	41
105	Large Number of Ultraconserved Elements Were Already Present in the Jawed Vertebrate Ancestor. Molecular Biology and Evolution, 2008, 26, 487-490.	3.5	33
106	Investigation of Loss and Gain of Introns in the Compact Genomes of Pufferfishes (fugu and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142	3.5	1
107	Investigation of Loss and Gain of Introns in the Compact Genomes of Pufferfishes (Fugu and) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.5	48
108	Survey Sequencing and Comparative Analysis of the Elephant Shark (Callorhinchus milii) Genome. PLoS Biology, 2007, 5, e101.	2.6	296

#	ARTICLE	IF	CITATIONS
109	Genetic Alterations in the Tyrosine Kinase Transcriptome of Human Cancer Cell Lines. Cancer Research, 2007, 67, 11368-11376.	0.4	77
110	cDNA cloning of Runx family genes from the pufferfish (Fugu rubripes). Gene, 2007, 399, 162-173.	1.0	22
111	Sequencing and comparative analysis of fugu protocadherin clusters reveal diversity of protocadherin genes among teleosts. BMC Evolutionary Biology, 2007, 7, 49.	3.2	30
112	TFCONES: A database of vertebrate transcription factor-encoding genes and their associated conserved noncoding elements. BMC Genomics, 2007, 8, 441.	1.2	30
113	Ancient Noncoding Elements Conserved in the Human Genome. Science, 2006, 314, 1892-1892.	6.0	102
114	Tetraodon genome analysis provides further evidence for whole-genome duplication in the ray-finned fish lineage. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2006, 1, 13-19.	0.4	9
115	Comparative genomics of the human and Fugu voltage-gated calcium channel Î±1-subunit gene family reveals greater diversity in Fugu. Gene, 2006, 366, 117-127.	1.0	10
116	Uneven evolutionary rates of bradykinin B1 and B2 receptors in vertebrate lineages. Gene, 2006, 373, 100-108.	1.0	15
117	Fugu genome does not contain mitochondrial pseudogenes. Genomics, 2006, 87, 307-310.	1.3	27
118	Adaptive evolution of tetrodotoxin resistance in animals. Trends in Genetics, 2006, 22, 621-626.	2.9	69
119	Highly conserved syntenic blocks at the vertebrate Hox loci and conserved regulatory elements within and outside Hox gene clusters. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6994-6999.	3.3	94
120	The RIN Family of Ras Effectors. Methods in Enzymology, 2006, 407, 335-344.	0.4	17
121	Pufferfish and Zebrafish Have Five Distinct NPY Receptor Subtypes, but Have Lost Appetite Receptors Y1 and Y5. Annals of the New York Academy of Sciences, 2005, 1040, 375-377.	1.8	24
122	Ray-Fin Fish Tetraploidization Gave Rise to Pufferfish Duplicates of NPY and PYY, but Zebrafish NPY Duplicate Was Lost. Annals of the New York Academy of Sciences, 2005, 1040, 476-478.	1.8	21
123	A compact cartilaginous fish model genome. Current Biology, 2005, 15, R82-R83.	1.8	53
124	Genetic Basis of Tetrodotoxin Resistance in Pufferfishes. Current Biology, 2005, 15, 2069-2072.	1.8	73
125	Comparative genomics using fugu: A tool for the identification of conserved vertebratecis-regulatory elements. BioEssays, 2005, 27, 100-107.	1.2	45
126	A Genetic Linkage Map for the Tiger Pufferfish, Takifugu rubripes. Genetics, 2005, 171, 227-238.	1.2	93

#	Article	IF	Citations
127	The 350-fold compacted Fugu parkin gene is structurally and functionally similar to human Parkin. Gene, 2005, 346, 97-104.	1.0	6
128	The mitochondrial genome of Indonesian coelacanth Latimeria menadoensis (Sarcopterygii:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 T 227-235.	1.0	110
129	Comparative genomics of the Hlx homeobox gene and protein: Conservation of structure and expression from fish to mammals. Gene, 2005, 352, 45-56.	1.0	17
130	Cloning and expression of the reverse transcriptase component of pufferfish (Fugu rubripes) telomerase. Gene, 2005, 353, 207-217.	1.0	28
131	STAT4is a target of the hematopoietic zinc-finger transcription factor Ikaros in T cells. FEBS Letters, 2005, 579, 4470-4478.	1.3	41
132	Application of comparative genomics to the analysis of vertebrate regulatory elements. Briefings in Functional Genomics & Proteomics, 2004, 3, 7-11.	3.8	2
133	Extensive Expansion of the Claudin Gene Family in the Teleost Fish, Fugu rubripes. Genome Research, 2004, 14, 1248-1257.	2.4	156
134	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, 4900-4905.	3.3	168
135	Variation in sequence and organization of splicing regulatory elements in vertebrate genes. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15700-15705.	3.3	208
136	Mapping of three translocation breakpoints associated with orofacial clefting within 6p24 and identification of new transcripts within the region. Cytogenetic and Genome Research, 2004, 105, 47-53.	0.6	31
137	Origin and diversity of the Sox transcription factor gene family: genome-wide analysis in Fugu rubripes. Gene, 2004, 328, 177-186.	1.0	138
138	Fugu Genome Analysis Provides Evidence for a Whole-Genome Duplication Early During the Evolution of Ray-Finned Fishes. Molecular Biology and Evolution, 2004, 21, 1146-1151.	3.5	490
139	Compact intergenic regions of the pufferfish genome facilitate isolation of gene promoters: characterization of Fugu 3â€²-phosphoadenosine 5â€²-phosphosulfate synthase 2 (fPapss2) gene promoter function in transgenic Xenopus. FEBS Letters, 2004, 556, 59-63.	1.3	9
140	Erythropoietin gene from a teleost fish, Fugu rubripes. Blood, 2004, 104, 1498-1503.	0.6	71
141	Molecular cloning of the pufferfish (Takifugu rubripes) Mx gene and functional characterization of its promoter. Immunogenetics, 2003, 54, 705-713.	1.2	78
142	Duplication, degeneration and subfunctionalization of the nested synapsinâ€"Timp genes in Fugu. Trends in Genetics, 2003, 19, 180-183.	2.9	85
143	Neurone-Specific Expression and Regulation of the Pufferfish Isotocin and Vasotocin Genes in Transgenic Mice. Journal of Neuroendocrinology, 2003, 15, 1027-1036.	1.2	21
144	Evolution and diversity of fish genomes. Current Opinion in Genetics and Development, 2003, 13, 588-592.	1.5	174

#	ARTICLE	IF	CITATIONS
145	The regulation of retina specific expression of rhodopsin gene in vertebrates. Gene, 2003, 313, 189-200.	1.0	15
146	Hox gene clusters in the Indonesian coelacanth, Latimeria menadoensis. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1084-1088.	3.3	54
147	Conserved regulation of the lymphocyte-specific expression of lck in the Fugu and mammals. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 2936-2941.	3.3	52
148	Novel Vertebrate Genes and Putative Regulatory Elements Identified at Kidney Disease and NR2E1/fierce Loci. Genomics, 2002, 80, 45-53.	1.3	22
149	Whole-Genome Shotgun Assembly and Analysis of the Genome of Fugu rubripes. Science, 2002, 297, 1301-1310.	6.0	1,432
150	Characterization of the Platelet-derived Growth Factor Receptor Alpha and c-kit Genes in the Pufferfish Fugu rubripes. DNA Sequence, 2002, 13, 263-270.	0.7	4
151	Biochemical implications of sequence comparisons of the cystic fibrosis transmembrane conductance regulator. Archives of Biochemistry and Biophysics, 2002, 401, 215-222.	1.4	2
152	Identification and analysis of additional copies of the platelet-derived growth factor receptor and colony stimulating factor 1 receptor genes in fugu. Gene, 2002, 295, 255-264.	1.0	43
153	Fugu and human sequence comparison identifies novel human genes and conserved non-coding sequences. Gene, 2002, 294, 35-44.	1.0	57
154	Molecular Cloning and Genomic Structure of a Gene Encoding Interferon Regulatory Factor in the Pufferfish (Fugu rubripes). Marine Biotechnology, 2001, 3, 145-151.	1.1	41
155	Conserved synteny between the Fugu and human PTEN locus and the evolutionary conservation of vertebrate PTEN function. Oncogene, 2001, 20, 5554-5561.	2.6	16
156	Molecular synapomorphies resolve evolutionary relationships of extant jawed vertebrates. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 11382-11387.	3.3	160
157	Fugu: a compact vertebrate reference genome. FEBS Letters, 2000, 476, 3-7.	1.3	120
158	Late changes in spliceosomal introns define clades in vertebrate evolution. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 10267-10271.	3.3	202
159	Something fishy in the rat brain: molecular genetics of the hypothalamo-neurohypophysial system. BioEssays, 1998, 20, 741-749.	1.2	47
160	Genomic structure and sequence of the pufferfish (Fugu rubripes) gene encoding an actin-related protein. Gene, 1998, 211, 169-175.	1.0	6
161	Genomic structure and sequence of the pufferfish (Fugu rubripes) growth hormone-encoding gene: a comparative analysis of teleost growth hormone genes. Gene, 1997, 187, 211-215.	1.0	51
162	Transgenic rats reveal functional conservation of regulatory controls between the Fugu isotocin and rat oxytocin genes. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 12462-12466.	3.3	96

#	Article	IF	Citations
163	Organization of the Fugu rubripes Hox clusters: evidence for continuing evolution of vertebrate Hox complexes. Nature Genetics, 1997, 16, 79-83.	9.4	148
164	A systematic survey of the intergenic region between the murine oxytocin- and vasopressin-encoding genes. Gene, 1996, 174, 71-78.	1.0	22
165	Isolation, Characterization and Evolution of Nine Pufferfish (Fugu rubripes) Actin Genes. Journal of Molecular Biology, 1996, 259, 655-665.	2.0	88
166	Small is beautiful: comparative genomics with the pufferfish (Fugu rubripes). Trends in Genetics, 1996, 12, 145-150.	2.9	150
167	Conserved linkage between the puffer fish (Fugu rubripes) and human genes for platelet-derived growth factor receptor and macrophage colony-stimulating factor receptor.. Genome Research, 1996, 6, 1185-1191.	2.4	50
168	Overripening of ovulated eggs in goldfish, Carassius auratus: II. Possible involvement of postovulatory follicles and steroids. Fish Physiology and Biochemistry, 1995, 14, 237-246.	0.9	25
169	Structure and organization of the isotocin and vasotocin genes from teleosts. Advances in Experimental Medicine and Biology, 1995, 395, 629-38.	0.8	17
170	Characterization of the pufferfish (Fugu) genome as a compact model vertebrate genome. Nature, 1993, 366, 265-268.	13.7	592
171	Steroid metabolism in teleost gonads: purification and identification of metabolites by high-performance liquid chromatography. Steroids, 1992, 57, 276-281.	0.8	16
172	Steroid metabolism by ovarian follicles and extrafollicular tissue of the guppy (Poecilia reticulata) during oocyte growth and gestation. General and Comparative Endocrinology, 1992, 86, 378-394.	0.8	18
173	Steroid production by ovarian follicles of the viviparous guppy (Poecilia reticulata) and its regulation by precursor substrates, dibutyryl cAMP and forskolin. General and Comparative Endocrinology, 1992, 85, 450-461.	0.8	9
174	Effects of neurohypophyseal and adenohypophyseal hormones, steroids, eicosanoids, and extrafollicular tissue on ovulation in vitro of guppy (Poecilia reticulata) embryos. General and Comparative Endocrinology, 1992, 87, 20-27.	0.8	6
175	Prostaglandins and teleost neurohypophyseal hormones induce premature parturition in the guppy, Poecilia reticulata. General and Comparative Endocrinology, 1992, 87, 28-32.	0.8	23
176	Prostaglandin synthesis in vitro by ovarian follicles and extrafollicular tissue of the viviparous guppy (Poecilia reticulata) and its regulation. The Journal of Experimental Zoology, 1992, 262, 405-413.	1.4	12
177	Progestins and cortisol delay while estradiol-17Î² induces early parturition in the guppy, Poecilia reticulata. General and Comparative Endocrinology, 1991, 83, 297-305.	0.8	10
178	5Î±-Pregnane-3Î²,7Î±,17,20Î±- and -20Î²-tetrols as metabolites of progesterone and 17-hydroxyprogesterone in carp (Cyprinus carpio) ovarian incubations. General and Comparative Endocrinology, 1991, 84, 401-404.	0.8	17
179	Optimization of the High-Performance Liquid Chromatographic Separation of Steroids by the Overlapping Resolution Mapping Procedure. Journal of Liquid Chromatography and Related Technologies, 1991, 14, 2445-2455.	0.9	5
180	Steroid hormone profile during gestation and parturition of the guppy (Poecilia reticulata). General and Comparative Endocrinology, 1990, 77, 476-483.	0.8	20

#	ARTICLE	IF	CITATIONS
181	Blood steroid levels in the goldfish: Measurement of six ovarian steroids in small volumes of serum by reverse-phase high-performance liquid chromatography and radioimmunoassay. General and Comparative Endocrinology, 1989, 76, 398-407.	0.8	26
182	Growth and metabolism of the catfishClarias batrachus (Linn.) fed with different experimental diets. Proceedings: Animal Sciences, 1986, 95, 457-462.	0.0	7
183	Early Maturity and Breeding of Two CatfishesHeteropneustes fossilis andClarias batrachus. Clean - Soil, Air, Water, 1983, 11, 473-477.	0.8	0
184	Studies on the growth rate of the grass carp Ctenopharyngodon idella (Valenciennes) fed on two aquatic weeds and a terrestrial grass. Aquaculture, 1978, 13, 45-53.	1.7	13