Byrappa Venkatesh

List of Publications by Year
in descending order

184	15,972	28274	20961
papers	citations	55 h-index	115 g-index

199	199	199	15048
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Whole-Genome Shotgun Assembly and Analysis of the Genome of Fugu rubripes. Science, 2002, 297, 1301-1310.	12.6	1,432
2	Towards complete and error-free genome assemblies of all vertebrate species. Nature, 2021, 592, 737-746.	27.8	1,139
3	The genomic substrate for adaptive radiation in African cichlid fish. Nature, 2014, 513, 375-381.	27.8	874
4	Elephant shark genome provides unique insights into gnathostome evolution. Nature, 2014, 505, 174-179.	27.8	689
5	The African coelacanth genome provides insights into tetrapod evolution. Nature, 2013, 496, 311-316.	27.8	612
6	Characterization of the pufferfish (Fugu) genome as a compact model vertebrate genome. Nature, 1993, 366, 265-268.	27.8	592
7	The spotted gar genome illuminates vertebrate evolution and facilitates human-teleost comparisons. Nature Genetics, 2016, 48, 427-437.	21.4	545
8	A Trans-Species Missense SNP in Amhr2 Is Associated with Sex Determination in the Tiger Pufferfish, Takifugu rubripes (Fugu). PLoS Genetics, 2012, 8, e1002798.	3.5	518
9	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.	8.9	490
10	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.	7.1	445
11	Survey Sequencing and Comparative Analysis of the Elephant Shark (Callorhinchus milii) Genome. PLoS Biology, 2007, 5, e101.	5.6	296
12	Rapidly evolving fish genomes and teleost diversity. Current Opinion in Genetics and Development, 2008, 18, 544-550.	3.3	219
13	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.	7.1	208
14	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.	7.1	202
15	Evidence for at least six Hox clusters in the Japanese lamprey (Lethenteron japonicum). Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16044-16049.	7.1	202
16	Evolutionary Origin and Phylogeny of the Modern Holocephalans (Chondrichthyes: Chimaeriformes): A Mitogenomic Perspective. Molecular Biology and Evolution, 2010, 27, 2576-2586.	8.9	195
17	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.	4.8	193
18	The seahorse genome and the evolution of its specialized morphology. Nature, 2016, 540, 395-399.	27.8	186

#	Article	IF	Citations
19	Evolution and diversity of fish genomes. Current Opinion in Genetics and Development, 2003, 13, 588-592.	3.3	174
20	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.	7.1	168
21	Evolution of Genetic Networks Underlying the Emergence of Thymopoiesis in Vertebrates. Cell, 2009, 138, 186-197.	28.9	168
22	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.	7.1	160
23	Extensive Expansion of the Claudin Gene Family in the Teleost Fish, Fugu rubripes. Genome Research, 2004, 14, 1248-1257.	5.5	156
24	Small is beautiful: comparative genomics with the pufferfish (Fugu rubripes). Trends in Genetics, 1996, 12, 145-150.	6.7	150
25	Organization of the Fugu rubripes Hox clusters: evidence for continuing evolution of vertebrate Hox complexes. Nature Genetics, 1997, 16, 79-83.	21.4	148
26	Origin and diversity of the Sox transcription factor gene family: genome-wide analysis in Fugu rubripes. Gene, 2004, 328, 177-186.	2.2	138
27	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.	2.5	137
28	Mudskipper genomes provide insights into the terrestrial adaptation of amphibious fishes. Nature Communications, 2014, 5, 5594.	12.8	135
29	The Divergent Genomes of Teleosts. Annual Review of Animal Biosciences, 2018, 6, 47-68.	7.4	134
30	Fugu: a compact vertebrate reference genome. FEBS Letters, 2000, 476, 3-7.	2.8	120
31	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
32	The mitochondrial genome of Indonesian coelacanth Latimeria menadoensis (Sarcopterygii:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 T 227-235.	2.2	110
33	Ancient Noncoding Elements Conserved in the Human Genome. Science, 2006, 314, 1892-1892.	12.6	102
34	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.	1.8	97
35	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.	7.1	96
36	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.	7.1	94

#	Article	IF	Citations
37	A Genetic Linkage Map for the Tiger Pufferfish, Takifugu rubripes. Genetics, 2005, 171, 227-238.	2.9	93
38	The Asian arowana (Scleropages formosus) genome provides new insights into the evolution of an early lineage of teleosts. Scientific Reports, 2016, 6, 24501.	3.3	89
39	Isolation, Characterization and Evolution of Nine Pufferfish (Fugu rubripes) Actin Genes. Journal of Molecular Biology, 1996, 259, 655-665.	4.2	88
40	Nanoconfined Î²-Sheets Mechanically Reinforce the Supra-Biomolecular Network of Robust Squid Sucker Ring Teeth. ACS Nano, 2014, 8, 7170-7179.	14.6	88
41	Reconstruction of proto-vertebrate, proto-cyclostome and proto-gnathostome genomes provides new insights into early vertebrate evolution. Nature Communications, 2021, 12, 4489.	12.8	88
42	Duplication, degeneration and subfunctionalization of the nested synapsinâ€“Timp genes in Fugu. Trends in Genetics, 2003, 19, 180-183.	6.7	85
43	Specific macrophage populations promote both cardiac scar deposition and subsequent resolution in adult zebrafish. Cardiovascular Research, 2020, 116, 1357-1371.	3.8	85
44	Molecular cloning of the pufferfish (Takifugu rubripes) Mx gene and functional characterization of its promoter. Immunogenetics, 2003, 54, 705-713.	2.4	78
45	Genetic Alterations in the Tyrosine Kinase Transcriptome of Human Cancer Cell Lines. Cancer Research, 2007, 67, 11368-11376.	0.9	77
46	The Ancient Origins of Neural Substrates for Land Walking. Cell, 2018, 172, 667-682.e15.	28.9	76
47	Elephant shark (Callorhinchus milii) 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.	7.1	74
48	Genetic Basis of Tetrodotoxin Resistance in Pufferfishes. Current Biology, 2005, 15, 2069-2072.	3.9	73
49	Erythropoietin gene from a teleost fish, Fugu rubripes. Blood, 2004, 104, 1498-1503.	1.4	71
50	Ancient Vertebrate Conserved Noncoding Elements Have Been Evolving Rapidly in Teleost Fishes. Molecular Biology and Evolution, 2011, 28, 1205-1215.	8.9	71
51	Adaptive evolution of tetrodotoxin resistance in animals. Trends in Genetics, 2006, 22, 621-626.	6.7	69
52	Recurrent gene loss correlates with the evolution of stomach phenotypes in gnathostome history. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132669.	2.6	65
53	The emergence of the brain non-CpG methylation system in vertebrates. Nature Ecology and Evolution, 2021, 5, 369-378.	7.8	63
54	Early vertebrate chromosome duplications and the evolution of the neuropeptide Y receptor gene regions. BMC Evolutionary Biology, 2008, 8, 184.	3.2	62

#	Article	IF	Citations
55	Into the blue: Gene duplication and loss underlie color vision adaptations in a deep-sea chimaera, the elephant sharkCallorhinchus milii. Genome Research, 2009, 19, 415-426.	5.5	62
56	Evolutionary functional elaboration of the Elovl2/5 gene family in chordates. Scientific Reports, 2016, 6, 20510.	3.3	60
57	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.	1.8	59
58	Fugu and human sequence comparison identifies novel human genes and conserved non-coding sequences. Gene, 2002, 294, 35-44.	2.2	57
59	Chromosome-level assembly of the horseshoe crab genome provides insights into its genome evolution. Nature Communications, 2020, 11, 2322.	12.8	57
60	Evolving Hox Activity Profiles Govern Diversity in Locomotor Systems. Developmental Cell, 2014, 29, 171-187.	7.0	56
61	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.	7.1	54
62	A compact cartilaginous fish model genome. Current Biology, 2005, 15, R82-R83.	3.9	53
63	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.	7.1	52
64	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.	2.2	51
65	Tissue sampling methods and standards for vertebrate genomics. GigaScience, 2012, 1, 8.	6.4	51
66	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.	5.5	50
67	Neuropeptide Y-family peptides and receptors in the elephant shark, Callorhinchus milii confirm gene duplications before the gnathostome radiation. Genomics, 2009, 93, 254-260.	2.9	50
68	Emergence and evolution of the glycoprotein hormone and neurotrophin gene families in vertebrates. BMC Evolutionary Biology, 2011, 11, 332.	3.2	49
69	Investigation of Loss and Gain of Introns in the Compact Genomes of Pufferfishes (Fugu and) Tj ETQq1 1 0.784314 rgBT /Overlock 10	8.9	48
70	Something fishy in the rat brain: molecular genetics of the hypothalamo-neurohypophysial system. BioEssays, 1998, 20, 741-749.	2.5	47
71	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
72	Comparative genomics using fugu: A tool for the identification of conserved vertebratecis-regulatory elements. BioEssays, 2005, 27, 100-107.	2.5	45

#	Article	IF	Citations
73	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.	8.9	44
74	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.	2.2	43
75	Molecular Cloning and Genomic Structure of a Gene Encoding Interferon Regulatory Factor in the Pufferfish (Fugu rubripes). Marine Biotechnology, 2001, 3, 145-151.	2.4	41
76	STAT4is a target of the hematopoietic zinc-finger transcription factor Ikaros in T cells. FEBS Letters, 2005, 579, 4470-4478.	2.8	41
77	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.	7.1	41
78	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.	3.5	40
79	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
80	The fishes of Genome 10K. Marine Genomics, 2012, 7, 3-6.	1.1	39
81	Draft genome of the lined seahorse, Hippocampus erectus. GigaScience, 2017, 6, 1-6.	6.4	38
82	Seipin differentially regulates lipogenesis and adipogenesis through a conserved core sequence and an evolutionarily acquired C-terminus. Biochemical Journal, 2013, 452, 37-44.	3.7	37
83	A novel ICK mutation causes ciliary disruption and lethal endocrine-cerebro-osteodysplasia syndrome. Cilia, 2016, 5, 8.	1.8	37
84	Conservation of all three p53 family members and Mdm2 and Mdm4 in the cartilaginous fish. Cell Cycle, 2011, 10, 4272-4279.	2.6	36
85	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.	2.0	36
86	An ancient genomic regulatory block conserved across bilaterians and its dismantling in tetrapods by retrogene replacement. Genome Research, 2012, 22, 642-655.	5.5	35
87	CDK10 Mutations in Humans and Mice Cause Severe Growth Retardation, Spine Malformations, and Developmental Delays. American Journal of Human Genetics, 2017, 101, 391-403.	6.2	35
88	Loss-of-function mutations in UDP-Glucose 6-Dehydrogenase cause recessive developmental epileptic encephalopathy. Nature Communications, 2020, 11, 595.	12.8	35
89	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.	5.9	34
90	Large Number of Ultraconserved Elements Were Already Present in the Jawed Vertebrate Ancestor. Molecular Biology and Evolution, 2008, 26, 487-490.	8.9	33

#	Article	IF	Citations
91	The genome of the largest bony fish, ocean sunfish (Mola mola), provides insights into its fast growth rate. GigaScience, 2016, 5, 36.	6.4	32
92	Comparative genomics reveal shared genomic changes in syngnathid fishes and signatures of genetic convergence with placental mammals. National Science Review, 2020, 7, 964-977.	9.5	32
93	Seadragon genome analysis provides insights into its phenotype and sex determination locus. Science Advances, 2021, 7, .	10.3	32
94	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.	1.1	31
95	Sequencing and comparative analysis of fugu protocadherin clusters reveal diversity of protocadherin genes among teleosts. BMC Evolutionary Biology, 2007, 7, 49.	3.2	30
96	TFCONES: A database of vertebrate transcription factor-encoding genes and their associated conserved noncoding elements. BMC Genomics, 2007, 8, 441.	2.8	30
97	Transcriptional activation of elephant shark mineralocorticoid receptor by corticosteroids, progesterone, and spironolactone. Science Signaling, 2019, 12, .	3.6	30
98	Genome sequences reveal global dispersal routes and suggest convergent genetic adaptations in seahorse evolution. Nature Communications, 2021, 12, 1094.	12.8	29
99	Cloning and expression of the reverse transcriptase component of pufferfish (Fugu rubripes) telomerase. Gene, 2005, 353, 207-217.	2.2	28
100	Regulation of protocadherin gene expression by multiple neuron-restrictive silencer elements scattered in the gene cluster. Nucleic Acids Research, 2010, 38, 4985-4997.	14.5	28
101	Fugu genome does not contain mitochondrial pseudogenes. Genomics, 2006, 87, 307-310.	2.9	27
102	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.	1.8	26
103	Parathyroid hormone gene family in a cartilaginous fish, the elephant shark (<i>Callorhinchus) Tj ETQq1 1 0.784314 rgBT /Overlock 1	2.8	26
104	Overripening of ovulated eggs in goldfish, Carassius auratus: II. Possible involvement of postovulatory follicles and steroids. Fish Physiology and Biochemistry, 1995, 14, 237-246.	2.3	25
105	Evolution and Functional Characterisation of Melanopsins in a Deep-Sea Chimaera (Elephant Shark,) Tj ETQq1 1 0.784314 rgBT /Overl	2.5	25
106	A loss-of-function NUAK2 mutation in humans causes anencephaly due to impaired Hippo-YAP signaling. Journal of Experimental Medicine, 2020, 217, .	8.5	25
107	Characterization of the Runx Gene Family in a Jawless Vertebrate, the Japanese Lamprey (Lethenteron) Tj ETQq1 1 0.784314 rgBT /Ov	2.5	25
108	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.	3.8	24

#	Article	IF	Citations
109	Prostaglandins and teleost neurohypophyseal hormones induce premature parturition in the guppy, Poecilia reticulata. General and Comparative Endocrinology, 1992, 87, 28-32.	1.8	23
110	Incidentalome from Genomic Sequencing: A Barrier to Personalized Medicine?. EBioMedicine, 2016, 5, 211-216.	6.1	23
111	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.	7.1	23
112	Lampreys, the jawless vertebrates, contain three Pax6 genes with distinct expression in eye, brain and pancreas. Scientific Reports, 2019, 9, 19559.	3.3	23
113	A systematic survey of the intergenic region between the murine oxytocin- and vasopressin-encoding genes. Gene, 1996, 174, 71-78.	2.2	22
114	Novel Vertebrate Genes and Putative Regulatory Elements Identified at Kidney Disease and NR2E1/fierce Loci. Genomics, 2002, 80, 45-53.	2.9	22
115	cDNA cloning of Runx family genes from the pufferfish (Fugu rubripes). Gene, 2007, 399, 162-173.	2.2	22
116	Enforced Expression of Simian Virus 40 Large T-Antigen Leads to Testicular Germ Cell Tumors in Zebrafish. Zebrafish, 2010, 7, 333-341.	1.1	22
117	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.	1.3	22
118	Cartilaginous fishes offer unique insights into the evolution of the nuclear receptor gene repertoire in gnathostomes. General and Comparative Endocrinology, 2020, 295, 113527.	1.8	22
119	Neurone-Specific Expression and Regulation of the Pufferfish Isotocin and Vasotocin Genes in Transgenic Mice. Journal of Neuroendocrinology, 2003, 15, 1027-1036.	2.6	21
120	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.	3.8	21
121	Characterization of Gonadotropin-Releasing Hormone (GnRH) Genes From Cartilaginous Fish: Evolutionary Perspectives. Frontiers in Neuroscience, 2018, 12, 607.	2.8	21
122	Steroid hormone profile during gestation and parturition of the guppy (Poecilia reticulata). General and Comparative Endocrinology, 1990, 77, 476-483.	1.8	20
123	Evolution of the Cdk-activator Speedy/RINGO in vertebrates. Cellular and Molecular Life Sciences, 2012, 69, 3835-3850.	5.4	20
124	Chromosomeâ€level genome assembly of the coastal horseshoe crab (Tachypleus gigas). Molecular Ecology Resources, 2020, 20, 1748-1760.	4.8	20
125	Early Evolution of Vertebrate Mybs: An Integrative Perspective Combining Synteny, Phylogenetic, and Gene Expression Analyses. Genome Biology and Evolution, 2015, 7, 3009-3021.	2.5	19
126	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.	6.2	19

#	Article	IF	Citations
127	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.	1.8	18
128	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.	7.1	18
129	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.	1.8	17
130	Comparative genomics of the Hlx homeobox gene and protein: Conservation of structure and expression from fish to mammals. Gene, 2005, 352, 45-56.	2.2	17
131	The RIN Family of Ras Effectors. Methods in Enzymology, 2006, 407, 335-344.	1.0	17
132	Singapore Undiagnosed Disease Program: Genomic Analysis aids Diagnosis and Clinical Management. Archives of Disease in Childhood, 2021, 106, 31-37.	1.9	17
133	Dominant-negative NFKBIA mutation promotes IL-1Î² production causing hepatic disease with severe immunodeficiency. Journal of Clinical Investigation, 2020, 130, 5817-5832.	8.2	17
134	Structure and organization of the isotocin and vasotocin genes from teleosts. Advances in Experimental Medicine and Biology, 1995, 395, 629-38.	1.6	17
135	Steroid metabolism in teleost gonads: purification and identification of metabolites by high-performance liquid chromatography. Steroids, 1992, 57, 276-281.	1.8	16
136	Conserved synteny between the Fugu and human PTEN locus and the evolutionary conservation of vertebrate PTEN function. Oncogene, 2001, 20, 5554-5561.	5.9	16
137	Discovery of a genetic module essential for assigning leftâ€“right asymmetry in humans and ancestral vertebrates. Nature Genetics, 2022, 54, 62-72.	21.4	16
138	The regulation of retina specific expression of rhodopsin gene in vertebrates. Gene, 2003, 313, 189-200.	2.2	15
139	Uneven evolutionary rates of bradykinin B1 and B2 receptors in vertebrate lineages. Gene, 2006, 373, 100-108.	2.2	15
140	Phylogenetic and evolutionary relationships and developmental expression patterns of the zebrafish twist gene family. Development Genes and Evolution, 2009, 219, 289-300.	0.9	15
141	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.	3.5	13
142	Characterization of a hypoxia-response element in the Epo locus of the pufferfish, Takifugu rubripes. Marine Genomics, 2010, 3, 63-70.	1.1	13
143	A chromosome-level genome assembly of the Asian arowana, Scleropages formosus. Scientific Data, 2016, 3, 160105.	5.3	13
144	Identification of three somatostatin genes in lampreys. General and Comparative Endocrinology, 2016, 237, 89-97.	1.8	13

#	Article	IF	Citations
145	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
146	Mouse Transgenesis Identifies Conserved Functional Enhancers and cis-Regulatory Motif in the Vertebrate LIM Homeobox Gene Lhx2 Locus. PLoS ONE, 2011, 6, e20088.	2.5	12
147	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
148	Identification and Comparative Analysis of the Protocadherin Cluster in a Reptile, the Green Anole Lizard. PLoS ONE, 2009, 4, e7614.	2.5	11
149	Progestins and cortisol delay while estradiol-17Î² induces early parturition in the guppy, Poecilia reticulata. General and Comparative Endocrinology, 1991, 83, 297-305.	1.8	10
150	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.	2.2	10
151	Venkatesh et al. reply. Nature, 2014, 511, E9-E10.	27.8	10
152	LXRÎ± and LXRÎ² nuclear receptors evolved in the common ancestor of gnathostomes. Genome Biology and Evolution, 2017, 9, evw305.	2.5	10
153	Conservation as well as divergence in Mcidas function underlies the differentiation of multiciliated cells in vertebrates. Developmental Biology, 2020, 465, 168-177.	2.0	10
154	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.	2.5	10
155	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.	1.8	9
156	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.	2.8	9
157	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.	1.0	9
158	Novel mutation in HTRA1 in a family with diffuse white matter lesions and inflammatory features. Neurology: Genetics, 2019, 5, e345.	1.9	9
159	Cyclostomes Lack Clustered Protocadherins. Molecular Biology and Evolution, 2016, 33, 311-315.	8.9	8
160	Antigen receptor repertoires of one of the smallest known vertebrates. Science Advances, 2021, 7, .	10.3	8
161	Growth and metabolism of the catfishClarias batrachus (Linn.) fed with different experimental diets. Proceedings: Animal Sciences, 1986, 95, 457-462.	0.0	7
162	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.	4.1	7

#	Article	IF	Citations
163	Oxygenation properties of hemoglobin and the evolutionary origins of isoform multiplicity in an amphibious air-breathing fish, the blue-spotted mudskipper (Boleophthalmus pectinirostris). Journal of Experimental Biology, 2020, 223, .	1.7	7
164	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.	1.8	6
165	Genomic structure and sequence of the pufferfish (Fugu rubripes) gene encoding an actin-related protein. Gene, 1998, 211, 169-175.	2.2	6
166	The 350-fold compacted Fugu parkin gene is structurally and functionally similar to human Parkin. Gene, 2005, 346, 97-104.	2.2	6
167	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.	1.0	5
168	Basal Vertebrates Clarify the Evolutionary History of Ciliopathy-Associated Genes Tmem138 and Tmem216. Molecular Biology and Evolution, 2013, 30, 62-65.	8.9	5
169	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.	2.6	5
170	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
171	Expression of Wnt signaling skeletal development genes in the cartilaginous fish, elephant shark (Callorhinchus milii). General and Comparative Endocrinology, 2013, 193, 1-9.	1.8	4
172	Runx Family Genes in a Cartilaginous Fish, the Elephant Shark (Callorhinchus milii). PLoS ONE, 2014, 9, e93816.	2.5	4
173	On the origin of SCPP genes. Evolution & Development, 2014, 16, 125-126.	2.0	4
174	Huriez syndrome caused by a large deletion that abrogates the skinâ€specific isoform of SMARCAD1. British Journal of Dermatology, 2021, 184, 1205-1207.	1.5	3
175	The different fates of two Asian horseshoe crab species with different dispersal abilities. Evolutionary Applications, 2021, 14, 2124-2133.	3.1	3
176	Biochemical implications of sequence comparisons of the cystic fibrosis transmembrane conductance regulator. Archives of Biochemistry and Biophysics, 2002, 401, 215-222.	3.0	2
177	Application of comparative genomics to the analysis of vertebrate regulatory elements. Briefings in Functional Genomics & Proteomics, 2004, 3, 7-11.	3.8	2
178	Sydney Brennerâ€”a personal perspective. Genome Research, 2019, 29, vii-ix.	5.5	2
179	Huriez syndrome: Additional pathogenic variants supporting allelism to <scp>SMARCAD</scp> syndrome. American Journal of Medical Genetics, Part A, 2022, 188, 1752-1760.	1.2	2
180	Fugu rubripes and human survival motor neuron genes: Structural and functional similarities in comparative genome studies. Gene, 2008, 424, 108-114.	2.2	1

#	Article	IF	Citations
181	Investigation of Loss and Gain of Introns in the Compact Genomes of Pufferfishes (fugu and) Tj ETQq1 1 0.784314 rgBT /Overlock 10	8.9	1
182	Whole-Exome Sequencing to Identify Potential Genetic Risk in Substance Use Disorders: A Pilot Feasibility Study. Journal of Clinical Medicine, 2021, 10, 2810.	2.4	1
183	Early Maturity and Breeding of Two CatfishesHeteropneustes fossilis andClarias batrachus. Clean - Soil, Air, Water, 1983, 11, 473-477.	0.6	0
184	Carcinoscorpius rotundicauda (mangrove horseshoe crab). Trends in Genetics, 2022, , .	6.7	0