Noriyuki Satoh

List of Publications by Year
in descending order

469 papers	27,378 citations	7568 77 h-index	11607 135 g-index
508 all docs	508 docs citations	508 times ranked	13469 citing authors

#	Article	IF	Citations
1	The Draft Genome of <i>Ciona intestinalis</i> : Insights into Chordate and Vertebrate Origins. Science, 2002, 298, 2157-2167.	12.6	1,539
2	The amphioxus genome and the evolution of the chordate karyotype. Nature, 2008, 453, 1064-1071.	27.8	1,496
3	Using the Acropora digitifera genome to understand coral responses to environmental change. Nature, 2011, 476, 320-323.	27.8	758
4	Draft Assembly of the Symbiodinium minutum Nuclear Genome Reveals Dinoflagellate Gene Structure. Current Biology, 2013, 23, 1399-1408.	3.9	488
5	The amphioxus genome illuminates vertebrate origins and cephalochordate biology. Genome Research, 2008, 18, 1100-1111.	5.5	456
6	A Large and Consistent Phylogenomic Dataset Supports Sponges as the Sister Group to All Other Animals. Current Biology, 2017, 27, 958-967.	3.9	423
7	Horizontal Gene Transfer from Diverse Bacteria to an Insect Genome Enables a Tripartite Nested Mealybug Symbiosis. Cell, 2013, 153, 1567-1578.	28.9	373
8	Gene expression profiles of transcription factors and signaling molecules in the ascidian embryo: towards a comprehensive understanding of gene networks. Development (Cambridge), 2004, 131, 4047-4058.	2.5	371
9	Regulatory Blueprint for a Chordate Embryo. Science, 2006, 312, 1183-1187.	12.6	368
10	Genomic analysis of immunity in a Urochordate and the emergence of the vertebrate immune system: â€œwaiting for Godotâ€ Immunogenetics, 2003, 55, 570-581.	2.4	278
11	Draft Genome of the Pearl Oyster Pinctada fucata: A Platform for Understanding Bivalve Biology. DNA Research, 2012, 19, 117-130.	3.4	266
12	Deeply conserved synteny resolves early events in vertebrate evolution. Nature Ecology and Evolution, 2020, 4, 820-830.	7.8	250
13	Axial patterning in cephalochordates and the evolution of the organizer. Nature, 2007, 445, 613-617.	27.8	242
14	A cDNA resource from the basal chordateCiona intestinalis. Genesis, 2002, 33, 153-154.	1.6	233
15	Hemichordate genomes and deuterostome origins. Nature, 2015, 527, 459-465.	27.8	217
16	The ascidian tadpole larva: comparative molecular development and genomics. Nature Reviews Genetics, 2003, 4, 285-295.	16.3	210
17	A New Spiralian Phylogeny Places the Enigmatic Arrow Worms among Gnathiferans. Current Biology, 2019, 29, 312-318.e3.	3.9	201
18	Function of vertebrate T gene. Nature, 1993, 364, 582-583.	27.8	198

#	Article	IF	Citations
19	Ciona intestinalis Hox gene cluster: Its dispersed structure and residual colinear expression in development. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15118-15123.	7.1	192
20	Ciona intestinalis: an emerging model for whole-genome analyses. Trends in Genetics, 2003, 19, 376-381.	6.7	187
21	Cell lineage analysis in ascidian embryos by intracellular injection of a tracer enzyme. Developmental Biology, 1983, 99, 382-394.	2.0	186
22	Brachyury downstream notochord differentiation in the ascidian embryo. Genes and Development, 1999, 13, 1519-1523.	5.9	181
23	Identification and expression of the lamprey<i>Pax6</i>gene: evolutionary origin of the segmented brain of vertebrates. Development (Cambridge), 2001, 128, 3521-3531.	2.5	176
24	An Integrated Database of the Ascidian, Ciona intestinalis: Towards Functional Genomics. Zoological Science, 2005, 22, 837-843.	0.7	173
25	Assembly of polymorphic genomes: Algorithms and application to Ciona savignyi. Genome Research, 2005, 15, 1127-1135.	5.5	170
26	Cell lineage analysis in ascidian embryos by intracellular injection of a tracer enzyme. Developmental Biology, 1985, 110, 440-454.	2.0	169
27	The Lingula genome provides insights into brachiopod evolution and the origin of phosphate biomineralization. Nature Communications, 2015, 6, 8301.	12.8	159
28	Gene expression profiles in<i>Ciona intestinalis</i>tailbud embryos. Development (Cambridge), 2001, 128, 2893-2904.	2.5	159
29	The crown-of-thorns starfish genome as a guide for biocontrol of this coral reef pest. Nature, 2017, 544, 231-234.	27.8	157
30	An Ascidian Homolog of the Mouse Brachyury (T) Gene is Expressed Exclusively in Notochord Cells at the Fate Restricted Stage. (Ascidians/T (Brachyury) gene/sequence conservation/notochord)	1.5	152
31	Chasing tails in ascidians: developmental insights into the origin and evolution of chordates. Trends in Genetics, 1995, 11, 354-359.	6.7	150
32	The evolutionary origin of animal cellulose synthase. Development Genes and Evolution, 2004, 214, 81-88.	0.9	142
33	Characterization of Brachyury-Downstream Notochord Genes in the Ciona intestinalis Embryo. Developmental Biology, 2000, 224, 69-80.	2.0	140
34	A genomewide survey of developmentally relevant genes in Ciona intestinalis. Development Genes and Evolution, 2003, 213, 235-244.	0.9	138
35	Action of morpholinos inCiona embryos. Genesis, 2001, 30, 103-106.	1.6	136
36	Early embryonic expression of<i>FGF4/6/9</i>gene and its role in the induction of mesenchyme and notochord in<i>Ciona savignyi</i>embryos. Development (Cambridge), 2002, 129, 1729-1738.	2.5	134

#	Article	IF	Citations
37	Ciona intestinalis cDNA projects: expressed sequence tag analyses and gene expression profiles during embryogenesis. Gene, 2002, 287, 83-96.	2.2	133
38	Bivalve-specific gene expansion in the pearl oyster genome: implications of adaptation to a sessile lifestyle. Zoological Letters, 2016, 2, 3.	1.3	133
39	Chordate evolution and the three-phylum system. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141729.	2.6	132
40	Determination and regulation in the pigment cell lineage of the ascidian embryo. Developmental Biology, 1989, 132, 355-367.	2.0	131
41	A genomewide survey of developmentally relevant genes in Ciona intestinalis. Development Genes and Evolution, 2003, 213, 222-234.	0.9	130
42	A genomewide survey of developmentally relevant genes in Ciona intestinalis. Development Genes and Evolution, 2003, 213, 213-221.	0.9	129
43	Obligate bacterial mutualists evolving from environmental bacteria in natural insect populations. Nature Microbiology, 2016, 1, 15011.	13.3	129
44	Small genome symbiont underlies cuticle hardness in beetles. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8382-E8391.	7.1	127
45	Conservation of the Developmental Role ofBrachyuryin Notochord Formation in a Urochordate, the AscidianHalocynthia roretzi. Developmental Biology, 1998, 200, 158-170.	2.0	124
46	The ascidian Mesp gene specifies heart precursor cells. Development (Cambridge), 2004, 131, 2533-2541.	2.5	122
47	Mitigating Anticipated Effects of Systematic Errors Supports Sister-Group Relationship between Xenacoelomorpha and Ambulacraria. Current Biology, 2019, 29, 1818-1826.e6.	3.9	120
48	Comparative genome sequencing reveals genomic signature of extreme desiccation tolerance in the anhydrobiotic midge. Nature Communications, 2014, 5, 4784.	12.8	118
49	Metabolic and physiological interdependencies in the <i>Bathymodiolus azoricus</i> symbiosis. ISME Journal, 2017, 11, 463-477.	9.8	116
50	Two divergent Symbiodinium genomes reveal conservation of a gene cluster for sunscreen biosynthesis and recently lost genes. BMC Genomics, 2018, 19, 458.	2.8	114
51	Germ-line transgenesis of the Tc1/mariner superfamily transposon Minos in Ciona intestinalis. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 7726-7730.	7.1	113
52	Development of Ciona intestinalis Juveniles (Through 2nd Ascidian Stage). Zoological Science, 2004, 21, 285-298.	0.7	113
53	Transposon-mediated insertional mutagenesis revealed the functions of animal cellulose synthase in the ascidian Ciona intestinalis. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15134-15139.	7.1	110
54	Neural Tube Is Partially Dorsalized by Overexpression ofHrPax-37:The Ascidian Homologue ofPax-3andPax-7. Developmental Biology, 1997, 187, 240-252.	2.0	109

#	Article	IF	Citations
55	The Complex NOD-Like Receptor Repertoire of the Coral Acropora digitifera Includes Novel Domain Combinations. Molecular Biology and Evolution, 2013, 30, 167-176.	8.9	109
56	Ci-opsin1 , a vertebrate-type opsin gene, expressed in the larval ocellus of the ascidian Ciona intestinalis. FEBS Letters, 2001, 506, 69-72.	2.8	106
57	The ANISEED database: Digital representation, formalization, and elucidation of a chordate developmental program. Genome Research, 2010, 20, 1459-1468.	5.5	105
58	Multiple functions of a Zic-like gene in the differentiation of notochord, central nervous system and muscle in<i>Ciona savignyi</i>embryos. Development (Cambridge), 2002, 129, 2723-2732.	2.5	104
59	C6-Like and C3-Like Molecules from the Cephalochordate, Amphioxus, Suggest a Cytolytic Complement System in Invertebrates. Journal of Molecular Evolution, 2002, 54, 671-679.	1.8	103
60	Piecing together evolution of the vertebrate endocrine system. Trends in Genetics, 2004, 20, 359-366.	6.7	100
61	An essential role of a<i>FoxD</i>gene in notochord induction in<i>Ciona</i>embryos. Development (Cambridge), 2002, 129, 3441-3453.	2.5	100
62	Novel pattern of Brachyury gene expression in hemichordate embryos. Mechanisms of Development, 1998, 75, 139-143.	1.7	99
63	Gene Expression Profiles in Tadpole Larvae of Ciona intestinalis. Developmental Biology, 2002, 242, 188-203.	2.0	99
64	Gene expression profiles in young adult Ciona intestinalis. Development Genes and Evolution, 2002, 212, 173-185.	0.9	99
65	A genomewide survey of developmentally relevant genes in Ciona intestinalis. Development Genes and Evolution, 2003, 213, 303-313.	0.9	99
66	Nemertean and phoronid genomes reveal lophotrochozoan evolution and the origin of bilaterian heads. Nature Ecology and Evolution, 2018, 2, 141-151.	7.8	98
67	The Global Invertebrate Genomics Alliance (GIGA): Developing Community Resources to Study Diverse Invertebrate Genomes. Journal of Heredity, 2014, 105, 1-18.	2.4	96
68	Ascidian homologs of mammalian thyroid peroxidase genes are expressed in the thyroid-equivalent region of the endostyle. , 1999, 285, 158-169.		94
69	Medusozoan genomes inform the evolution of the jellyfish body plan. Nature Ecology and Evolution, 2019, 3, 811-822.	7.8	94
70	Early embryonic expression of a LIM-homeobox gene<i>Cs-lhx3</i>is downstream of Î²-catenin and responsible for the endoderm differentiation in<i>Ciona savignyi</i>embryos. Development (Cambridge), 2001, 128, 3559-3570.	2.5	93
71	Comprehensive analysis of the ascidian genome reveals novel insights into the molecular evolution of ion channel genes. Physiological Genomics, 2005, 22, 269-282.	2.3	91
72	Trunk lateral cells are neural crest-like cells in the ascidian Ciona intestinalis: Insights into the ancestry and evolution of the neural crest. Developmental Biology, 2008, 324, 152-160.	2.0	90

#	Article	IF	Citations
73	The Mitochondrial Genome of the Hemichordate Balanoglossus carnosus and the Evolution of Deuterostome Mitochondria. Genetics, 1998, 150, 1115-1123.	2.9	90
74	The ancestral gene repertoire of animal stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E7093-100.	7.1	88
75	The transcriptomic response of the coral <i>Acropora digitifera</i> to a competent <i>Symbiodinium</i> strain: the symbiosome as an arrested early phagosome. Molecular Ecology, 2016, 25, 3127-3141.	3.9	88
76	Patterning the protochordate neural tube. Current Opinion in Neurobiology, 2001, 11, 16-21.	4.2	87
77	A genomewide survey of developmentally relevant genes in Ciona intestinalis. Development Genes and Evolution, 2003, 213, 264-272.	0.9	87
78	Domain shuffling and the evolution of vertebrates. Genome Research, 2009, 19, 1393-1403.	5.5	86
79	Ependymal cells of chordate larvae are stem-like cells that form the adult nervous system. Nature, 2011, 469, 525-528.	27.8	85
80	Pattern of Brachyury gene expression in starfish embryos resembles that of hemichordate embryos but not of sea urchin embryos. Mechanisms of Development, 1999, 82, 185-189.	1.7	84
81	A zinc finger transcription factor, ZicL, is a direct activator of Brachyury in the notochord specification of Ciona intestinalis. Development (Cambridge), 2004, 131, 1279-1288.	2.5	84
82	Timing of initiation of muscle-specific gene expression in the ascidian embryo precedes that of developmental fate restriction in lineage cells. Development Growth and Differentiation, 1995, 37, 319-327.	1.5	83
83	Unprecedented Cyclization Catalyzed by a Cytochrome P450 in Benzastatin Biosynthesis. Journal of the American Chemical Society, 2018, 140, 6631-6639.	13.7	82
84	posterior end mark 2 (pem-2),pem-4,pem-5, andpem-6: Maternal Genes with Localized mRNA in the Ascidian Embryo. Developmental Biology, 1997, 192, 467-481.	2.0	81
85	Molecular evolution of fibrillar collagen in chordates, with implications for the evolution of vertebrate skeletons and chordate phylogeny. Evolution & Development, 2006, 8, 370-377.	2.0	81
86	Culture ofCiona intestinalisin closed systems. Developmental Dynamics, 2007, 236, 1832-1840.	1.8	81
87	A Nearly Complete Genome of Ciona intestinalis Type A (C.Ârobusta) Reveals the Contribution of Inversion to Chromosomal Evolution in the Genus Ciona. Genome Biology and Evolution, 2019, 11, 3144-3157.	2.5	81
88	Developmental expression of the hemichordate otx ortholog. Mechanisms of Development, 2000, 91, 337-339.	1.7	80
89	Molecular studies of hemichordate development: a key to understanding the evolution of bilateral animals and chordates. Evolution & Development, 2001, 3, 443-454.	2.0	79
90	Origin of patterning in neural tubes. Nature, 1996, 384, 123-123.	27.8	78

#	Article	IF	Citations
91	Tachykinin and Tachykinin Receptor of an Ascidian, Ciona intestinalis. Journal of Biological Chemistry, 2004, 279, 53798-53805.	3.4	77
92	Fgf genes in the basal chordate Ciona intestinalis. Development Genes and Evolution, 2002, 212, 432-438.	0.9	75
93	Eighteen Coral Genomes Reveal the Evolutionary Origin of <i>Acropora</i> Strategies to Accommodate Environmental Changes. Molecular Biology and Evolution, 2021, 38, 16-30.	8.9	75
94	Profiles of Maternally Expressed Genes in Fertilized Eggs of Ciona intestinalis. Developmental Biology, 2001, 238, 315-331.	2.0	74
95	Timing Mechanisms in Early Embryonic Development. Differentiation, 1982, 22, 156-163.	1.9	73
96	A draft genome of the brown alga,<i>Cladosiphon okamuranus</i>, S-strain: a platform for future studies of â€˜mozukuâ€™ biology. DNA Research, 2016, 23, 561-570.	3.4	73
97	How was the notochord born?. Evolution & Development, 2012, 14, 56-75.	2.0	72
98	'METACHRONOUS' CLEAVAGE AND INITIATION OF GASTRULATION IN AMPHIBIAN EMBRYOS. Development Growth and Differentiation, 1977, 19, 111-117.	1.5	71
99	The Diversity of Shell Matrix Proteins: Genome-Wide Investigation of the Pearl Oyster, Pinctada fucata. Zoological Science, 2013, 30, 801.	0.7	71
100	ERK- and JNK-signalling regulate gene networks that stimulate metamorphosis and apoptosis in tail tissues of ascidian tadpoles. Development (Cambridge), 2007, 134, 1203-1219.	2.5	70
101	Gene expression profiles in Ciona intestinalis cleavage-stage embryos. Mechanisms of Development, 2002, 112, 115-127.	1.7	69
102	A genomewide survey of developmentally relevant genes in Ciona intestinalis. Development Genes and Evolution, 2003, 213, 245-253.	0.9	69
103	Pax1/Pax9-Related Genes in an Agnathan Vertebrate, Lampetra japonica: Expression Pattern of LjPax9 Implies Sequential Evolutionary Events toward the Gnathostome Body Plan. Developmental Biology, 2000, 223, 399-410.	2.0	68
104	Massive Gene Transfer and Extensive RNA Editing of a Symbiotic Dinoflagellate Plastid Genome. Genome Biology and Evolution, 2014, 6, 1408-1422.	2.5	68
105	macho-1-related genes in Ciona embryos. Development Genes and Evolution, 2002, 212, 87-92.	0.9	66
106	A genomewide survey of developmentally relevant genes in Ciona intestinalis. Development Genes and Evolution, 2003, 213, 254-263.	0.9	66
107	Ci-Tbx6b and Ci-Tbx6c are key mediators of the maternal effect gene Ci-macho1 in muscle cell differentiation in Ciona intestinalis embryos. Developmental Biology, 2005, 282, 535-549.	2.0	65
108	The Roles of Introgression and Climate Change in the Rise to Dominance of Acropora Corals. Current Biology, 2018, 28, 3373-3382.e5.	3.9	65

#	Article	IF	Citations
109	Chitin-based barrier immunity and its loss predated mucus-colonization by indigenous gut microbiota. Nature Communications, 2018, 9, 3402.	12.8	65
110	Ascidian embryos as a model system to analyze expression and function of developmental genes. Differentiation, 2001, 68, 1-12.	1.9	64
111	Group BSoxGenes That Contribute to Specification of the Vertebrate Brain are Expressed in the Apical Organ and Ciliary Bands of Hemichordate Larvae. Zoological Science, 2002, 19, 57-66.	0.7	64
112	The invertebrate ancestry of endocannabinoid signalling: an orthologue of vertebrate cannabinoid receptors in the urochordate Ciona intestinalis. Gene, 2003, 302, 95-101.	2.2	64
113	Morpholino-based gene knockdown screen of novel genes with developmental function in Ciona intestinalis. Development (Cambridge), 2003, 130, 6485-6495.	2.5	64
114	Coordination of mitosis and morphogenesis: role of a prolonged G2 phase during chordate neurulation. Development (Cambridge), 2011, 138, 577-587.	2.5	64
115	Ancient origin of mast cells. Biochemical and Biophysical Research Communications, 2014, 451, 314-318.	2.1	64
116	Expression ofThyroid transcription factor-1 (TTF-1) gene in the ventral forebrain and endostyle of the agnathan vertebrate,Lampetra japonica. Genesis, 2001, 30, 51-58.	1.6	63
117	Expression of hedgehog genes in Ciona intestinalis embryos. Mechanisms of Development, 2002, 116, 235-238.	1.7	63
118	A Twist-like bHLH gene is a downstream factor of an endogenous FGF and determines mesenchymal fate in the ascidian embryos. Development (Cambridge), 2003, 130, 4461-4472.	2.5	62
119	Identification of downstream genes of the ascidian muscle determinant gene Ci-macho1. Developmental Biology, 2004, 274, 478-489.	2.0	62
120	Genomic overview of mRNA 5'-leader trans-splicing in the ascidian Ciona intestinalis. Nucleic Acids Research, 2006, 34, 3378-3388.	14.5	62
121	Field identification of â€˜typesâ€™ A and B of the ascidian Ciona intestinalis in a region of sympatry. Marine Biology, 2012, 159, 1611-1619.	1.5	62
122	Genomic cis-regulatory networks in the early <i>Ciona intestinalis</i> embryo. Development (Cambridge), 2010, 137, 1613-1623.	2.5	61
123	Stepwise Evolution of Coral Biomineralization Revealed with Genome-Wide Proteomics and Transcriptomics. PLoS ONE, 2016, 11, e0156424.	2.5	61
124	Large scale EST analyses in Ciona intestinalis. Development Genes and Evolution, 2003, 213, 314-318.	0.9	60
125	Three distinct lineages of mesenchymal cells in Ciona intestinalis embryos demonstrated by specific gene expression. Developmental Biology, 2004, 274, 211-224.	2.0	60
126	Microarray analysis of localization of maternal transcripts in eggs and early embryos of the ascidian, Ciona intestinalis. Developmental Biology, 2005, 284, 536-550.	2.0	60

#	Article	IF	Citations
127	Gene expression profile during the life cycle of the urochordate Ciona intestinalis. Developmental Biology, 2007, 308, 572-582.	2.0	60
128	<i>T-brain</i>homologue (<i>HpTb</i>) is involved in the archenteron induction signals of micromere descendant cells in the sea urchin embryo. Development (Cambridge), 2002, 129, 5205-5216.	2.5	60
129	Expression of AMD 1, a gene for a MyoD 1-related factor in the ascidian Halocynthia roretzi. Roux's Archives of Developmental Biology, 1994, 203, 320-327.	1.2	59
130	Coexpression and Promoter Function in Two Muscle Actin Gene Complexes of Different Structural Organization in the Ascidian Halocynthia roretzi. Developmental Biology, 1995, 169, 461-472.	2.0	59
131	T-box genes in the ascidianCiona intestinalis: Characterization of cDNAs and spatial expression. Developmental Dynamics, 2004, 230, 743-753.	1.8	59
132	Phylogenetic relationships among extant classes of echinoderms, as inferred from sequences of 18S rDNA, coincide with relationships deduced from the fossil record. Journal of Molecular Evolution, 1994, 38, 41-9.	1.8	58
133	A Novel Biological Role of Tachykinins as an Up-Regulator of Oocyte Growth: Identification of an Evolutionary Origin of Tachykininergic Functions in the Ovary of the Ascidian, Ciona intestinalis. Endocrinology, 2008, 149, 4346-4356.	2.8	58
134	The habu genome reveals accelerated evolution of venom protein genes. Scientific Reports, 2018, 8, 11300.	3.3	58
135	Autonomy of ascidian fork head/HNF-3 gene expression. Mechanisms of Development, 1997, 69, 143-154.	1.7	57
136	Molecular Characterization of Radial Spoke Subcomplex Containing Radial Spoke Protein 3 and Heat Shock Protein 40 in Sperm Flagella of the AscidianCiona intestinalis. Molecular Biology of the Cell, 2005, 16, 626-636.	2.1	57
137	<i>brachyury</i>null mutant-induced defects in juvenile ascidian endodermal organs. Development (Cambridge), 2009, 136, 35-39.	2.5	57
138	Delineating metamorphic pathways in the ascidian Ciona intestinalis. Developmental Biology, 2009, 326, 357-367.	2.0	57
139	Genome-wide SNP analysis explains coral diversity and recovery in the Ryukyu Archipelago. Scientific Reports, 2016, 5, 18211.	3.3	57
140	Temporal expression patterns of 39 Brachyury-downstream genes associated with notochord formation in the Ciona intestinalis embryo. Development Growth and Differentiation, 1999, 41, 657-664.	1.5	56
141	Deciphering the nature of the coralâ€“<i>Chromera</i> association. ISME Journal, 2018, 12, 776-790.	9.8	56
142	Early Evolution of the Metazoa and Phylogenetic Status of Diploblasts as Inferred from Amino Acid Sequence of Elongation Factor-1Î±. Molecular Phylogenetics and Evolution, 1996, 5, 414-422.	2.7	55
143	Retinoic acid affects gene expression and morphogenesis without upregulating the retinoic acid receptor in the ascidian Ciona intestinalis. Mechanisms of Development, 2003, 120, 363-372.	1.7	55
144	A cDNA resource for the cephalochordate amphioxus Branchiostoma floridae. Development Genes and Evolution, 2008, 218, 723-727.	0.9	55

#	Article	IF	Citations
145	T-brain expression in the apical organ of hemichordate tornaria larvae suggests its evolutionary link to the vertebrate forebrain. , 2000, 288, 23-31.		54
146	Genes Expressed in the Amphioxus Notochord Revealed by EST Analysis. Developmental Biology, 2000, 224, 168-177.	2.0	54
147	Hemocytes of Ciona intestinalis express multiple genes involved in innate immune host defense. Biochemical and Biophysical Research Communications, 2003, 302, 207-218.	2.1	54
148	Conserved Expression Pattern ofBMP-2/4in Hemichordate Acorn Worm and Echinoderm Sea Cucumber Embryos. Zoological Science, 2002, 19, 1113-1121.	0.7	53
149	<i>Brachyury</i>â€downstream gene sets in a chordate, <i>Ciona intestinalis</i>: integrating notochord specification, morphogenesis and chordate evolution. Evolution & Development, 2008, 10, 37-51.	2.0	53
150	Expression of epidermis-specific antigens during embryogenesis of the ascidian, Halocynthia roretzi. Developmental Biology, 1987, 121, 408-416.	2.0	52
151	Tunicate muscle actin genes. Journal of Molecular Biology, 1992, 227, 955-960.	4.2	51
152	Early development of amphioxus nervous system with special reference to segmental cell organization and putative sensory cell precursors: A study based on the expression of pan-neuronal marker geneHu/elav. The Journal of Experimental Zoology, 2001, 291, 354-364.	1.4	51
153	Expression pattern of theBrachyury gene in the arrow wormparaspadella gotoi (chaetognatha). Genesis, 2002, 32, 240-245.	1.6	51
154	EST analysis of gene expression in testis of the ascidianCiona intestinalis. Molecular Reproduction and Development, 2002, 62, 431-445.	2.0	51
155	The Mesoderm-Forming Gene brachyury Regulates Ectoderm-Endoderm Demarcation in the Coral Acropora digitifera. Current Biology, 2016, 26, 2885-2892.	3.9	51
156	CELLULAR MORPHOLOGY AND ARCHITECTURE DURING EARLY MORPHOGENESIS OF THE ASCIDIAN EGG : AN SEM STUDY. Biological Bulletin, 1978, 155, 608-614.	1.8	50
157	Mechanism of an Evolutionary Change in Muscle Cell Differentiation in Ascidians with Different Modes of Development. Developmental Biology, 1996, 174, 379-392.	2.0	50
158	Systematic analysis of embryonic expression profiles of zinc finger genes in Ciona intestinalis. Developmental Biology, 2006, 292, 546-554.	2.0	50
159	Abundant toxin-related genes in the genomes of beneficial symbionts from deep-sea hydrothermal vent mussels. ELife, 2015, 4, e07966.	6.0	50
160	Evolution of Chordate Actin Genes: Evidence from Genomic Organization and Amino Acid Sequences. Journal of Molecular Evolution, 1997, 44, 289-298.	1.8	49
161	A genomewide survey of developmentally relevant genes in Ciona intestinalis. Development Genes and Evolution, 2003, 213, 291-302.	0.9	49
162	Limited functions of Hox genes in the larval development of the ascidian <i>Ciona intestinalis</i>. Development (Cambridge), 2010, 137, 1505-1513.	2.5	49

#	Article	IF	Citations
163	Retinoic acid-driven Hox1 is required in the epidermis for forming the otic/atrial placodes during ascidian metamorphosis. Development (Cambridge), 2012, 139, 2156-2160.	2.5	48
164	Metabolic co-dependence drives the evolutionarily ancient Hydraâ€"Chlorella symbiosis. ELife, 2018, 7, .	6.0	47
165	Short Upstream Sequences Associated with the Muscle-Specific Expression of an Actin Gene in Ascidian Embryos. Developmental Biology, 1994, 166, 763-769.	2.0	45
166	The Ascidian Genome Contains Another T-Domain Gene That Is Expressed in Differentiating Muscle and the Tip of the Tail of the Embryo. Developmental Biology, 1996, 180, 773-779.	2.0	45
167	Mitochondrial rDNA Phylogeny of the Asteroidea Suggests the Primitiveness of the Paxillosida. Molecular Phylogenetics and Evolution, 1996, 6, 97-106.	2.7	45
168	Chromosomal mapping of 170 BAC clones in the ascidian Ciona intestinalis. Genome Research, 2005, 16, 297-303.	5.5	45
169	Studies on the Cytoplasmic Determinant for Muscle Cell Differentiation in Ascidian Embryos: An Attempt at Transplantation of the Myoplasm. (ascidian embryos/morphogenetic determinant/muscle) Tj ETQq1 1 0.784314 rgBT /Overl Growth and Differentiation, 1984, 26, 43-46.	1.5	44
170	An enhancer trap in the ascidian Ciona intestinalis identifies enhancers of its Musashi orthologous gene. Developmental Biology, 2004, 275, 459-472.	2.0	44
171	Autonomous muscle cell differentiation in partial ascidian embryos according to the newly verified cell lineages. Developmental Biology, 1984, 104, 322-328.	2.0	43
172	Functional and structural characterization of hemocytes of the solitary ascidian,Halocynthia roretzi. The Journal of Experimental Zoology, 1993, 265, 309-316.	1.4	43
173	Region specific gene expressions in the central nervous system of the ascidian embryo. Mechanisms of Development, 2002, 119, S275-S277.	1.7	43
174	An aboralâ€dorsalization hypothesis for chordate origin. Genesis, 2008, 46, 614-622.	1.6	43
175	Identical Genomic Organization of Two Hemichordate Hox Clusters. Current Biology, 2012, 22, 2053-2058.	3.9	43
176	Dual Gene Repertoires for Larval and Adult Shells Reveal Molecules Essential for Molluscan Shell Formation. Molecular Biology and Evolution, 2018, 35, 2751-2761.	8.9	43
177	MOTILITY OF DISSOCIATED EMBRYONIC CELLS IN XENOPUS LAEVIS: ITS SIGNIFICANCE TO MORPHOGENETIC MOVEMENTS *. Development Growth and Differentiation, 1976, 18, 55-67.	1.5	42
178	Introduction and Expression of Recombinant Genes in Ascidian Embryos. Development Growth and Differentiation, 1992, 34, 627-634.	1.5	42
179	The simple tail of chordates: Phylogenetic significance of appendicularians. Genesis, 2001, 29, 36-45.	1.6	42
180	Application of Minos, one of the Tc1/mariner superfamily transposable elements, to ascidian embryos as a tool for insertional mutagenesis. Gene, 2003, 308, 11-20.	2.2	42

#	Article	IF	Citations
181	Surfing with the tunicates into the post-genome era. Genes and Development, 2005, 19, 2407-2411.	5.9	42
182	A starfish homolog of mouse T-brain-1 is expressed in the archenteron of Asterina pectinifera embryos: Possible involvement of two T-box genes in starfish gastrulation. Development Growth and Differentiation, 2000, 42, 61-68.	1.5	41
183	A novel amphioxus cadherin that localizes to epithelial adherens junctions has an unusual domain organization with implications for chordate phylogeny. Evolution & Development, 2002, 4, 426-434.	2.0	41
184	Temporal Expression of Myosin Heavy Chain Gene during Ascidian Embryogenesis. (muscle) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td and Differentiation, 1989, 31, 71-77.	1.5	40
185	Temporal and Spatial Expression of a Muscle Actin Gene during Embryogenesis of the Ascidian Halocynthia roretzi. (Specific gene expression/a muscle actin gene/muscle lineage cells/ascidian) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.5	40
186	The Spawning and Early Development of the Hawaiian Acorn Worm (Hemichordate), Ptychodera flava. Zoological Science, 1998, 15, 85-91.	0.7	40
187	Dynamic Insertionâ€"Deletion of Introns in Deuterostome EF-1Î± Genes. Journal of Molecular Evolution, 2002, 54, 118-128.	1.8	40
188	Germline transgenesis of the ascidianCiona intestinalis by electroporation. Genesis, 2005, 41, 67-72.	1.6	40
189	A bHLH transcription factor gene, Twist-like1, is essential for the formation of mesodermal tissues of Ciona juveniles. Developmental Biology, 2005, 288, 387-396.	2.0	40
190	Coral Comparative Genomics Reveal Expanded Hox Cluster in the Cnidarian-Bilaterian Ancestor. Integrative and Comparative Biology, 2012, 52, 835-841.	2.0	40
191	Genomic organization of <scp>H</scp>ox and <scp>P</scp>ara<scp>H</scp>ox clusters in the echinoderm, <scp><i>A</i></scp><i>canthaster planci</i>. Genesis, 2014, 52, 952-958.	1.6	40
192	An ascidian homologue of vertebrate BMPs-5â€"8 is expressed in the midline of the anterior neuroectoderm and in the midline of the ventral epidermis of the embryo. Mechanisms of Development, 1996, 57, 181-190.	1.7	39
193	Duplication of an amphioxus myogenic bHLH gene is independent of vertebrate myogenic bHLH gene duplication. Gene, 1996, 171, 231-236.	2.2	39
194	Identification of candidate genes encoding the core components of the cell death machinery in the Ciona intestinalis genome. Cell Death and Differentiation, 2003, 10, 749-753.	11.2	39
195	Cellular and Molecular Mechanisms of Muscle Cell Differentiation in Ascidian Embryos. International Review of Cytology, 1990, , 221-258.	6.2	38
196	Specification of notochord cells in the ascidian embryo analysed with a specific monoclonal antibody. Cell Differentiation and Development, 1990, 30, 43-53.	0.4	38
197	Expression of theOtx gene in the ciliary bands during sea cucumber embryogenesis. Genesis, 2000, 27, 58-63.	1.6	38
198	Production of a Novel Amideâ€Containing Polyene by Activating a Cryptic Biosynthetic Gene Cluster in <i>Streptomyces</i> sp. MSC090213JE08. ChemBioChem, 2016, 17, 1464-1471.	2.6	38

#	Article	IF	Citations
199	A Spirochaete is suggested as the causative agent of Akoya oyster disease by metagenomic analysis. PLoS ONE, 2017, 12, e0182280.	2.5	38
200	Spatio-Temporal Expression Patterns of Eight Epidermis-Specific Genes in the Ascidian Embryo. Zoological Science, 1996, 13, 699-709.	0.7	38
201	Spatial expression of a forkhead homologue in the sea urchin embryo. Mechanisms of Development, 1996, 60, 163-173.	1.7	37
202	Ascidian tyrosinase gene: Its unique structure and expression in the developing brain. , 1997, 208, 363-374.		37
203	An ascidian T-box geneAs-T2 is related to theTbx6 subfamily and is associated with embryonic muscle cell differentiation. , 1999, 215, 62-68.		37
204	Identification of an intact ParaHox cluster with temporal colinearity but altered spatial colinearity in the hemichordate Ptychodera flava. BMC Evolutionary Biology, 2013, 13, 129.	3.2	37
205	The phylogenetic position of dicyemid mesozoans offers insights into spiralian evolution. Zoological Letters, 2017, 3, 6.	1.3	37
206	Isolation and Characterization of cDNA Clones for Epidermis-Specific and Muscle-Specific Genes in Ciona savignyi Embryos. Zoological Science, 1998, 15, 239-246.	0.7	36
207	Isolation and characterization of genes that are expressed during Ciona intestinalis metamorphosis. Development Genes and Evolution, 2001, 211, 184-189.	0.9	36
208	Structure and the evolutionary implication of the triplicated complement factor B genes of a urochordate ascidian, Ciona intestinalis. Immunogenetics, 2005, 56, 930-942.	2.4	36
209	An Advanced Filter-Feeder Hypothesis for Urochordate Evolution. Zoological Science, 2009, 26, 97-111.	0.7	36
210	A genome-wide survey of photoreceptor and circadian genes in the coral, Acropora digitifera. Gene, 2013, 515, 426-431.	2.2	36
211	Development of Egg Fragments of the Ascidian Ciona savignyi: The Cytoplasmic Factors Responsible for Muscle Differentiation Are Separated into a Specific Fragment. Developmental Biology, 1994, 162, 134-142.	2.0	35
212	Oligonucleotide-based microarray analysis of retinoic acid target genes in the protochordate,Ciona intestinalis. Developmental Dynamics, 2005, 233, 1571-1578.	1.8	35
213	Efficient transposition of a single <i>Minos</i> transposon copy in the genome of the ascidian <i>Ciona intestinalis</i> with a transgenic line expressing transposase in eggs. Developmental Dynamics, 2010, 239, 1076-1088.	1.8	35
214	Expression of neuropeptide- and hormone-encoding genes in the Ciona intestinalis larval brain. Developmental Biology, 2011, 352, 202-214.	2.0	35
215	A genomic approach to coral-dinoflagellate symbiosis: studies of Acropora digitifera and Symbiodinium minutum. Frontiers in Microbiology, 2014, 5, 336.	3.5	35
216	A siphonous macroalgal genome suggests convergent functions of homeobox genes in algae and land plants. DNA Research, 2019, 26, 183-192.	3.4	35

#	Article	IF	Citations
217	FGF signals are involved in the differentiation of notochord cells and mesenchyme cells of the ascidian<i>Halocynthia roretzi</i>. Development (Cambridge), 2001, 128, 2711-2721.	2.5	35
218	Protein tyrosine kinase activity of eggs of the sea urchin Strongylocentrotus purpuratus: The regulation of its increase after fertilization. Developmental Biology, 1985, 111, 515-519.	2.0	34
219	A saturation screen for cis-acting regulatory DNA in the Hox genes of Ciona intestinalis. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 679-683.	7.1	34
220	Cortical anchorages and cell type segregations of maternal postplasmic/PEM RNAs in ascidians. Developmental Biology, 2009, 336, 96-111.	2.0	34
221	Maternal factor-mediated epigenetic gene silencing in the ascidian Ciona intestinalis. Molecular Genetics and Genomics, 2010, 283, 99-110.	2.1	34
222	A draft genome of the striped catfish, Pangasianodon hypophthalmus, for comparative analysis of genes relevant to development and a resource for aquaculture improvement. BMC Genomics, 2018, 19, 733.	2.8	34
223	Regulatory cocktail for dopaminergic neurons in a protovertebrate identified by whole-embryo single-cell transcriptomics. Genes and Development, 2018, 32, 1297-1302.	5.9	34
224	Two cis-regulatory elements are essential for the muscle-specific expression of an actin gene in the ascidian embryo. Development Growth and Differentiation, 1996, 38, 565-573.	1.5	33
225	Construction of a cDNA Microarray Derived from the Ascidian Ciona intestinalis. Zoological Science, 2003, 20, 1223-1229.	0.7	33
226	A Genome-Wide Survey of Genes for Enzymes Involved in Pigment Synthesis in an Ascidian, Ciona intestinalis. Zoological Science, 2005, 22, 723-734.	0.7	33
227	Transposon mediated transgenesis in a marine invertebrate chordate: Ciona intestinalis. Genome Biology, 2007, 8, S3.	9.6	33
228	High-throughput enhancer trap by remobilization of transposonMinos inCiona intestinalis. Genesis, 2007, 45, 307-317.	1.6	33
229	Draft genome of the brown alga, Nemacystus decipiens, Onna-1 strain: Fusion of genes involved in the sulfated fucan biosynthesis pathway. Scientific Reports, 2019, 9, 4607.	3.3	33
230	A genomewide analysis of genes for the heat shock protein 70 chaperone system in the ascidian Ciona intestinalis. Cell Stress and Chaperones, 2006, 11, 23.	2.9	33
231	Expression of a Gene for Major Mitochondrial Protein, ADP/ATP Translocase, during Embryogenesis in the Ascidian Halocynthia roretzi. (Ascidian embryos/ADP/ATP translocase gene/maternal) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.5	32
232	Characterization of a hemichordate fork head/HNF-3 gene expression. Development Genes and Evolution, 2000, 210, 11-17.	0.9	32
233	Expression of muscle-related genes and two MyoD genes during amphioxus notochord development. Evolution & Development, 2003, 5, 447-458.	2.0	32
234	Gene regulatory networks for the development and evolution of the chordate heart. Genes and Development, 2006, 20, 2634-2638.	5.9	32

#	Article	IF	Citations
235	On a possible evolutionary link of the stomochord of hemichordates to pharyngeal organs of chordates. Genesis, 2014, 52, 925-934.	1.6	32
236	The phylum Vertebrata: a case for zoological recognition. Zoological Letters, 2018, 4, 32.	1.3	32
237	A Possible Trifunctional Î²-Carotene Synthase Gene Identified in the Draft Genome of Aurantiochytrium sp. Strain KH105. Genes, 2018, 9, 200.	2.4	32
238	Ascidian Homologs of Mammalian Thyroid Transcription Factor-1 Gene Are Expressed in the Endostyle. Zoological Science, 1999, 16, 559-565.	0.7	31
239	A genomewide survey of developmentally relevant genes in Ciona intestinalis. Development Genes and Evolution, 2003, 213, 273-283.	0.9	31
240	De novo discovery of a tissue-specific gene regulatory module in a chordate. Genome Research, 2005, 15, 1315-1324.	5.5	31
241	Genetic and molecular basis of the immune system in the brachiopod Lingula anatina. Developmental and Comparative Immunology, 2018, 82, 7-30.	2.3	31
242	A New Dinoflagellate Genome Illuminates a Conserved Gene Cluster Involved in Sunscreen Biosynthesis. Genome Biology and Evolution, 2021, 13, .	2.5	31
243	Enhancer detection in the ascidian <i>Ciona intestinalis</i> with transposaseâ€expressing lines of <i>Minos</i>. Developmental Dynamics, 2008, 237, 39-50.	1.8	30
244	Symbiotic bacteria associated with ascidian vanadium accumulation identified by 16S rRNA amplicon sequencing. Marine Genomics, 2019, 43, 33-42.	1.1	30
245	Early embryonic expression of FGF4/6/9 gene and its role in the induction of mesenchyme and notochord in Ciona savignyi embryos. Development (Cambridge), 2002, 129, 1729-38.	2.5	30
246	Multiple functions of a Zic-like gene in the differentiation of notochord, central nervous system and muscle in Ciona savignyi embryos. Development (Cambridge), 2002, 129, 2723-32.	2.5	30
247	Brachyury (T) gene expression and notochord development in Oikopleura longicauda (Appendicularia,) Tj ETQq1 1 0.784314 rgBT /Ov	0.9	29
248	Genomewide surveys of developmentally relevant genes in Ciona intestinalis. Development Genes and Evolution, 2003, 213, 211-212.	0.9	29
249	Microarray analysis of embryonic retinoic acid target genes in the ascidian Ciona intestinalis. Development Growth and Differentiation, 2003, 45, 249-259.	1.5	29
250	Novel Endostyle-Specific Genes in the Ascidian Ciona intestinalis. Zoological Science, 2003, 20, 1025-1030.	0.7	29
251	Chloroplast acquisition without the gene transfer in kleptoplastic sea slugs, Plakobranchus ocellatus. ELife, 2021, 10, .	6.0	29
252	Regulation of the muscle-specific expression and function of an ascidian T-box gene, As-T2. Development (Cambridge), 2001, 128, 3717-3728.	2.5	29

#	Article	IF	Citations
253	The ascidian embryo: An experimental system for studying genetic circuitry for embryonic cell specification and morphogenesis. Development Growth and Differentiation, 1996, 38, 325-340.	1.5	28
254	Differential gene expression and intracellular mRNA localization of amphioxus actin isoforms throughout development: Implications for conserved mechanisms of chordate development. Development Genes and Evolution, 1997, 207, 203-215.	0.9	28
255	Multifunctional polyketide synthase genes identified by genomic survey of the symbiotic dinoflagellate, Symbiodinium minutum. BMC Genomics, 2015, 16, 941.	2.8	28
256	Hox10-regulated endodermal cell migration is essential for development of the ascidian intestine. Developmental Biology, 2015, 403, 43-56.	2.0	28
257	DNA Replication is Required for Tissue-Specific Enzyme Development in Ascidian Embryos. Differentiation, 1982, 21, 37-40.	1.9	27
258	Towards a molecular understanding of differentiation mechanisms in ascidian embryos. BioEssays, 1987, 7, 51-56.	2.5	27
259	Ci-Rga, a gene encoding an MtN3/saliva family transmembrane protein, is essential for tissue differentiation during embryogenesis of the ascidian Ciona intestinalis. Differentiation, 2005, 73, 364-376.	1.9	27
260	<i>Brachyury</i>â€downstream notochord genes and convergent extension in <i>Ciona intestinalis</i> embryos. Development Growth and Differentiation, 2007, 49, 373-382.	1.5	27
261	Stress response in the ascidian Ciona intestinalis: transcriptional profiling of genes for the heat shock protein 70 chaperone system under heat stress and endoplasmic reticulum stress. Cell Stress and Chaperones, 2010, 15, 193-204.	2.9	27
262	Identification and Characterization of the Streptazoneâ€…E Biosynthetic Gene Cluster in <i>Streptomyces</i> sp. MSC090213JE08. ChemBioChem, 2015, 16, 2385-2391.	2.6	27
263	An essential role of a FoxD gene in notochord induction in Ciona embryos. Development (Cambridge), 2002, 129, 3441-53.	2.5	27
264	Spatial expression of the amphioxus homologue of Brachyury (T) gene during early embryogenesis of Branchiostoma belcheri. Development Growth and Differentiation, 1995, 37, 395-401.	1.5	26
265	Genomic organization and evolution of actin genes in the amphioxus Branchiostoma belcheri and Branchiostoma floridae. Gene, 1999, 227, 1-10.	2.2	26
266	Reproduction-Related Genes in the Pearl Oyster Genome. Zoological Science, 2013, 30, 826.	0.7	26
267	Evolution of the chordate regeneration blastema: Differential gene expression and conserved role of notch signaling during siphon regeneration in the ascidian Ciona. Developmental Biology, 2015, 405, 304-315.	2.0	26
268	Behavior and cellular morphology of the test cells during embryogenesis of the ascidianHalocynthia roretzi. Journal of Morphology, 1982, 171, 219-223.	1.2	25
269	Further characterization of genes expressed during Ciona intestinalis metamorphosis. Differentiation, 2002, 70, 429-437.	1.9	25
270	Rapid and stable buffer exchange system using InSitu Chip suitable for multicolor and large-scale whole-mount analyses. Development Genes and Evolution, 2006, 216, 100-104.	0.9	25

#	Article	IF	Citations
271	Development of novel, cross-species microsatellite markers for Acropora corals using next-generation sequencing technology. Frontiers in Marine Science, 2014, 1, .	2.5	25
272	Specific expression of myosin heavy chain gene in muscle lineage cells of the ascidian embryo. Roux's Archives of Developmental Biology, 1990, 199, 307-313.	1.2	24
273	Monoclonal antibody specific to signet ring cells, the vanadocytes of the tunicate,Ascidia sydneiensis samea. The Journal of Experimental Zoology, 1991, 259, 196-201.	1.4	24
274	Embryonic Expression of a Hemichordatedistal-lessGene. Zoological Science, 2001, 18, 57-61.	0.7	24
275	Identification and Sequence of Seventy-nine New Transcripts Expressed in Hemocytes of Ciona intestinalis, Three of Which May Be Involved in Characteristic Cell-cell Communication. DNA Research, 2003, 10, 203-212.	3.4	24
276	Minos transposon causes germline transgenesis of the ascidian Ciona savignyi. Development Growth and Differentiation, 2004, 46, 249-255.	1.5	24
277	Further EST analysis of endocrine genes that are preferentially expressed in the neural complex of Ciona intestinalis: Receptor and enzyme genes associated with endocrine system in the neural complex. General and Comparative Endocrinology, 2007, 150, 233-245.	1.8	24
278	Regulatory genes in the ancestral chordate genomes. Development Genes and Evolution, 2008, 218, 715-721.	0.9	24
279	A spectroscopic assessment of cellulose and the molecular mechanisms of cellulose biosynthesis in the ascidian Ciona intestinalis. Marine Genomics, 2008, 1, 9-14.	1.1	24
280	Divergent northern and southern populations and demographic history of the pearl oyster in the western Pacific revealed with genomic SNPs. Evolutionary Applications, 2020, 13, 837-853.	3.1	24
281	Developmental gene activities in ascidian embryos. Current Opinion in Genetics and Development, 1999, 9, 542-547.	3.3	23
282	Compartments in the lamprey embryonic brain as revealed by regulatory gene expression and the distribution of reticulospinal neurons. Brain Research Bulletin, 2002, 57, 271-275.	3.0	23
283	The Large Mitochondrial Genome ofSymbiodinium minutumReveals Conserved Noncoding Sequences between Dinoflagellates and Apicomplexans. Genome Biology and Evolution, 2015, 7, 2237-2244.	2.5	23
284	Unexpectedly complex gradation of coral population structure in the Nansei Islands, Japan. Ecology and Evolution, 2016, 6, 5491-5505.	1.9	23
285	Using Seawater to Document Coral-Zoothanthella Diversity: A New Approach to Coral Reef Monitoring Using Environmental DNA. Frontiers in Marine Science, 2018, 5, .	2.5	23
286	Whole-Genome Transcriptome Analyses of Native Symbionts Reveal Host Coral Genomic Novelties for Establishing Coralâ€"Algae Symbioses. Genome Biology and Evolution, 2021, 13, .	2.5	23
287	Establishing Sustainable Cell Lines of a Coral, Acropora tenuis. Marine Biotechnology, 2021, 23, 373-388.	2.4	23
288	HISTOSPECIFIC ACETYLCHOLINESTERASE DEVELOPMENT IN QUARTER ASCIDIAN EMBRYOS DERIVED FROM EACH BLASTOMERE PAIR OF THE EIGHT-CELL STAGE. Biological Bulletin, 1985, 168, 239-248.	1.8	22

#	Article	IF	Citations
289	A Monoclonal Antibody Specific to Embryonic Trunk-Lateral Cells of the Ascidian Halocynthia roretzi Stains Coelomic Cells of Juvenile and Adult Basophilic Blood Cells. (ascidians/embryonic trunk-lateral) Tj ETQq1 1 0.784314 rgBT /Overlo and Differentiation, 1989, 31, 595-600.	1.5	22
290	Cataloging transcription factor and major signaling molecule genes for functional genomic studies in Ciona intestinalis. Development Genes and Evolution, 2005, 215, 580-596.	0.9	22
291	Genome-wide network of regulatory genes for construction of a chordate embryo. Developmental Biology, 2008, 316, 498-509.	2.0	22
292	Ciona intestinalis and Oxycomanthus japonicus, Representatives of Marine Invertebrates. Experimental Animals, 2009, 58, 459-469.	1.1	22
293	Coral genomics and transcriptomics â€" Ushering in a new era in coral biology. Journal of Experimental Marine Biology and Ecology, 2011, 408, 114-119.	1.5	22
294	Alternative mRNA Splicing in Three Venom Families Underlying a Possible Production of Divergent Venom Proteins of the Habu Snake, Protobothrops flavoviridis. Toxins, 2019, 11, 581.	3.4	22
295	Isolation of cDNA Clones for Epidermis-Specific Genes of the Ascidian Embryo. (ascidian) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Differentiation, 1991, 33, 579-586.	1.5	21
296	Muscle actin genes and muscle cells in the appendicularian,Oikopleura longicauda: Phylogenetic relationships among muscle tissues in the urochordates. The Journal of Experimental Zoology, 2000, 288, 135-150.	1.4	21
297	Involvement of Rel/NF-kappaB in regulation of ascidian notochord formation. Development Growth and Differentiation, 2001, 43, 145-154.	1.5	21
298	Amphi-Eomes/Tbr1: an amphioxus cognate of vertebrateEomesodermin andT-Brain1 genes whose expression reveals evolutionarily distinct domain in amphioxus development. The Journal of Experimental Zoology, 2002, 294, 136-145.	1.4	21
299	Large-scale characterization of genes specific to the larval nervous system in the ascidianCiona intestinalis. Genesis, 2003, 36, 62-71.	1.6	21
300	A comprehensive survey of cadherin superfamily gene expression patterns in Ciona intestinalis. Gene Expression Patterns, 2008, 8, 349-356.	0.8	21
301	Diversified secondary metabolite biosynthesis gene repertoire revealed in symbiotic dinoflagellates. Scientific Reports, 2019, 9, 1204.	3.3	21
302	ORTHOSCOPE: An Automatic Web Tool for Phylogenetically Inferring Bilaterian Orthogroups with User-Selected Taxa. Molecular Biology and Evolution, 2019, 36, 621-631.	8.9	21
303	The Recently-Described Ascidian Species Molgula tectiformis Is a Direct Developer. Zoological Science, 1997, 14, 297-303.	0.7	20
304	Characterization of gill-specific genes of the acorn wormPtychodera flava. , 2000, 217, 309-319.		20
305	The expression of nonchordate deuterostome Brachyury genes in the ascidian Ciona embryo can promote the differentiation of extra notochord cells. Mechanisms of Development, 2000, 96, 155-163.	1.7	20
306	Genetic Relatedness and Variability in Inbred and Wild Populations of the Solitary Ascidian Ciona intestinalis Revealed by Arbitrarily Primed Polymerase Chain Reaction. Marine Biotechnology, 2001, 3, 58-67.	2.4	20

#	Article	IF	Citations
307	A cDNA microarray technique applied for analysis of global gene expression profiles in tributyltin-exposed ascidians. Marine Environmental Research, 2004, 58, 543-546.	2.5	20
308	Primary Genetic Linkage Maps of the Ascidian, Ciona intestinalis. Zoological Science, 2006, 23, 31-39.	0.7	20
309	Fluorescent Protein Candidate Genes in the Coral Acropora digitifera Genome. Zoological Science, 2012, 29, 260.	0.7	20
310	Mitochondrial gene order variation in the brachiopod Lingula anatina and its implications for mitochondrial evolution in lophotrochozoans. Marine Genomics, 2015, 24, 31-40.	1.1	20
311	Genetic differentiation and connectivity of morphological types of the broadcastâ€spawning coral <i>Galaxea fascicularis</i> in the Nansei Islands, Japan. Ecology and Evolution, 2016, 6, 1457-1469.	1.9	20
312	Genome and transcriptome assemblies of the kuruma shrimp,<i>Marsupenaeus japonicus</i>. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	20
313	Temporal control of rRNA synthesis in cleavage-arrested embryos of Xenopus laevis. Developmental Biology, 1985, 112, 443-450.	2.0	19
314	Regulation of the Trunkâ€"Tail Patterning in the Ascidian Embryo: A Possible Interaction of Cascades between Lithium/Î²-Catenin and Localized Maternal Factor pem. Developmental Biology, 1998, 202, 264-279.	2.0	19
315	Tissue-Specific Profile of DNA Replication in the Swimming Larvae of Ciona intestinalis. Zoological Science, 2005, 22, 301-309.	0.7	19
316	Molecular Cytogenetic Characterization of Ciona intestinalis Chromosomes. Zoological Science, 2005, 22, 511-516.	0.7	19
317	The 2nd DBCLS BioHackathon: interoperable bioinformatics Web services for integrated applications. Journal of Biomedical Semantics, 2011, 2, 4.	1.6	19
318	The crystalline phase of cellulose changes under developmental control in a marine chordate. Cellular and Molecular Life Sciences, 2011, 68, 1623-1631.	5.4	19
319	MarinegenomicsDB: An Integrated Genome Viewer for Community-Based Annotation of Genomes. Zoological Science, 2013, 30, 797-800.	0.7	19
320	GABA-Induced GnRH Release Triggers Chordate Metamorphosis. Current Biology, 2020, 30, 1555-1561.e4.	3.9	19
321	Predominant expression of a cytoskeletal actin gene in mesenchyme cells during embryogenesis of the ascidian Halocynthia roretzi. Development Growth and Differentiation, 1996, 38, 401-411.	1.5	18
322	A genomewide survey of bHLH transcription factors in the coral Acropora digitifera identifies three novel orthologous families, pearl, amber, and peridot. Development Genes and Evolution, 2012, 222, 63-76.	0.9	18
323	Identification of putative olfactory G-protein coupled receptors in Crown-of-Thorns starfish, Acanthaster planci. BMC Genomics, 2017, 18, 400.	2.8	18
324	A draft nuclear-genome assembly of the acoel flatworm<i>Praesagittifera naikaiensis</i>. GigaScience, 2019, 8, .	6.4	18

#	Article	IF	Citations
325	Periodic appearance and disappearance of microvilli associated with cleavage cycles in the egg of the ascidian, Halocynthia roretzi. Developmental Biology, 1984, 102, 488-492.	2.0	17
326	Sequence motifs shared by the 5' flanking regions of two epidermis-specific genes in the ascidian embryo. Development Growth and Differentiation, 1995, 37, 597-604.	1.5	17
327	Brachyury expression in tailless Molgulid ascidian embryos. Evolution & Development, 2002, 4, 205-211.	2.0	17
328	Ascidian Larva Reveals Ancient Origin of Vertebrate-Skeletal-Muscle Troponin I Characteristics in Chordate Locomotory Muscle. Molecular Biology and Evolution, 2003, 20, 2113-2122.	8.9	17
329	Analysis of large scale expression sequenced tags (ESTs) from the anural ascidian, Molgula tectiformis. Developmental Biology, 2007, 307, 460-482.	2.0	17
330	Novel genes involved in canonical Wnt/<i>Î²</i>â€catenin signaling pathway in early <i>Ciona intestinalis</i> embryos. Development Growth and Differentiation, 2008, 50, 215-227.	1.5	17
331	Gene regulatory networks in the early ascidian embryo. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2009, 1789, 268-273.	1.9	17
332	Interaction of notochord-derived fibrinogen-like protein with Notch regulates the patterning of the central nervous system of Ciona intestinalis embryos. Developmental Biology, 2009, 328, 1-12.	2.0	17
333	Circadian clock in Ciona intestinalis revealed by microarray analysis and oxygen consumption. Journal of Biochemistry, 2010, 147, 175-184.	1.7	17
334	The Repertoire of Chemical Defense Genes in the Coral Acropora digitifera Genome. Zoological Science, 2012, 29, 510.	0.7	17
335	Genome-Wide Survey of Genes Encoding Muscle Proteins in the Pearl Oyster,<i>Pinctada fucata</i>. Zoological Science, 2013, 30, 817-825.	0.7	17
336	Integrated omics unveil the secondary metabolic landscape of a basal dinoflagellate. BMC Biology, 2020, 18, 139.	3.8	17
337	Expression of endostyle-specific genes in the ascidian Halocynthia roretzi. Development Genes and Evolution, 1996, 206, 227-235.	0.9	16
338	A genomewide survey of developmentally relevant genes in Ciona intestinalis. Development Genes and Evolution, 2003, 213, 284-290.	0.9	16
339	Dynamic changes in developmental gene expression in the basal chordate Ciona intestinalis. Development Growth and Differentiation, 2005, 47, 187-199.	1.5	16
340	A genomic overview of short genetic variations in a basal chordate, Ciona intestinalis. BMC Genomics, 2012, 13, 208.	2.8	16
341	Molecular basis of canalization in an ascidian species complex adapted to different thermal conditions. Scientific Reports, 2015, 5, 16717.	3.3	16
342	Novel Polymorphic Microsatellite Markers Reveal Genetic Differentiation between Two Sympatric Types of Galaxea fascicularis. PLoS ONE, 2015, 10, e0130176.	2.5	16

#	Article	IF	Citations
343	The mitochondrial genome sequence of a deep-sea, hydrothermal vent limpet, Lepetodrilus nux, presents a novel vetigastropod gene arrangement. Marine Genomics, 2016, 28, 121-126.	1.1	16
344	A new species of Xenoturbella from the western Pacific Ocean and the evolution of Xenoturbella. BMC Evolutionary Biology, 2017, 17, 245.	3.2	16
345	Deuterostome Genomics: Lineage-Specific Protein Expansions That Enabled Chordate Muscle Evolution. Molecular Biology and Evolution, 2018, 35, 914-924.	8.9	16
346	Whole-Genome Sequencing Highlights Conservative Genomic Strategies of a Stress-Tolerant, Long-Lived Scleractinian Coral, <i>Porites australiensis</i> Vaughan, 1918. Genome Biology and Evolution, 2021, 13, .	2.5	16
347	A Complementary DNA for an Ascidian Embryonic Nuclear Antigen Hgv2 Encodes a Protein Closely Related to the Amphibian Histone-Binding Protein Nl1. Journal of Biochemistry, 1993, 113, 189-195.	1.7	15
348	Expression of pharyngeal gill-specific genes in the ascidian Halocynthia roretzi. Development Genes and Evolution, 1996, 206, 218-226.	0.9	15
349	Fluorescentin situHybridization to Ascidian Chromosomes. Zoological Science, 2004, 21, 153-157.	0.7	15
350	Microarray analysis of zygotic expression of transcription factor genes and cell signaling molecule genes in early <i>Ciona intestinalis</i> embryos. Development Growth and Differentiation, 2007, 49, 27-37.	1.5	15
351	M-Ras evolved independently of R-Ras and its neural function is conserved between mammalian and ascidian, which lacks classical Ras. Gene, 2009, 429, 49-58.	2.2	15
352	Evolutionary Aspects of Variability in bHLH Orthologous Families: Insights from the Pearl Oyster, Pinctada fucata. Zoological Science, 2013, 30, 868.	0.7	15
353	Dicyemid Mesozoans: A Unique Parasitic Lifestyle and a Reduced Genome. Genome Biology and Evolution, 2019, 11, 2232-2243.	2.5	15
354	Transcriptome Analyses of Immune System Behaviors in Primary Polyp of Coral Acropora digitifera Exposed to the Bacterial Pathogen Vibrio coralliilyticus under Thermal Loading. Marine Biotechnology, 2020, 22, 748-759.	2.4	15
355	Differentiation Expression in Blastomeres of Cleavage-Arrested Embryos of the Ascidian Halocynthia roretzi. (differentiation without cleavage/monoclonal antibodies/exclusive differentiation/ascidian) Tj ETQq1 1 0.784314 rgBT /Overlock	1.3	14
356	Regulated spatial expression of fusion gene constructs with the 5? upstream region of Halocynthia roretzi muscle actin gene in Ciona savignyi embryos. Roux's Archives of Developmental Biology, 1993, 203, 104-112.	1.2	14
357	Autonomy of Expression of Epidermis-Specific Genes in the Ascidian Embryo. Developmental Biology, 1994, 164, 207-218.	2.0	14
358	Expression Cloning of an Ascidian Syndecan Suggests Its Role in Embryonic Cell Adhesion and Morphogenesis. Developmental Biology, 1999, 211, 198-207.	2.0	14
359	Identification of Transcripts Expressed Preferentially in Hemocytes of Ciona intestinalis that can be Used as Molecular Markers. DNA Research, 2004, 11, 345-352.	3.4	14
360	The cell death machinery controlled by Bax and Bcl-XL is evolutionarily conserved in Ciona intestinalis. Apoptosis: an International Journal on Programmed Cell Death, 2005, 10, 1211-1220.	4.9	14

#	Article	IF	Citations
361	An In-silico Genomic Survey to Annotate Genes Coding for Early Development-Relevant Signaling Molecules in the Pearl Oyster, Pinctada fucata. Zoological Science, 2013, 30, 877.	0.7	14
362	Multiple I-Type Lysozymes in the Hydrothermal Vent Mussel Bathymodiolus azoricus and Their Role in Symbiotic Plasticity. PLoS ONE, 2016, 11, e0148988.	2.5	14
363	Hox gene cluster of the ascidian, Halocynthia roretzi, reveals multiple ancient steps of cluster disintegration during ascidian evolution. Zoological Letters, 2017, 3, 17.	1.3	14
364	A Reference Genome from the Symbiotic Hydrozoan,<i>Hydra viridissima</i>. G3: Genes, Genomes, Genetics, 2020, 10, 3883-3895.	1.8	14
365	Cell Fate Determination in the Ascidian Embryo. , 1999, , 59-74.		14
366	The accumulation of vanadium and manifestation of an antigen recognized by a monoclonal antibody specific to vanadocytes during embryogenesis in the vanadium-rich ascidian,Ascidia sydneiensis samea. The Journal of Experimental Zoology, 1993, 265, 29-34.	1.4	13
367	EST Analysis of Genes That Are Expressed in the Neural Complex of Ciona intestinalis Adults. Zoological Science, 2001, 18, 1231-1236.	0.7	13
368	Identification of Thirty-four Transcripts Expressed Specifically in Hemocytes of Ciona intestinalis and Their Expression Profiles throughout the Life Cycle. DNA Research, 2006, 13, 25-35.	3.4	13
369	Transposon-Mediated Enhancer Detection Reveals the Location, Morphology and Development of the Cupular Organs, which are Putative Hydrodynamic Sensors, in the AscidianCiona intestinalis. Zoological Science, 2010, 27, 842-850.	0.7	13
370	The chordate ancestor possessed a single copy of the Brachyury gene for notochord acquisition. Zoological Letters, 2017, 3, 4.	1.3	13
371	Functional shell matrix proteins tentatively identified by asymmetric snail shell morphology. Scientific Reports, 2020, 10, 9768.	3.3	13
372	Chromosomal Inversion Polymorphisms in Two Sympatric Ascidian Lineages. Genome Biology and Evolution, 2021, 13, .	2.5	13
373	A Genome-Wide Survey of Genes Encoding Transcription Factors in the Japanese Pearl Oyster, Pinctada fucata: I. Homeobox Genes. Zoological Science, 2013, 30, 851.	0.7	12
374	Diversification of the Light-Harvesting Complex Gene Family via Intra- and Intergenic Duplications in the Coral Symbiotic Alga Symbiodinium. PLoS ONE, 2015, 10, e0119406.	2.5	12
375	Polyzoa is back: The effect of complete gene sets on the placement of Ectoprocta and Entoprocta. Science Advances, 2022, 8, .	10.3	12
376	An Ascidian Homolog of SEC61 Is Expressed Predominantly in Epidermal Cells of the Embryo. Developmental Biology, 1994, 165, 185-192.	2.0	11
377	Association of a 66 kDa Homolog of Chlamydomonas DC2, a Subunit of the Outer Arm Docking Complex, with Outer Arm Dynein of Sperm Flagella in the Ascidian Ciona intestinalis. Zoological Science, 2006, 23, 679-687.	0.7	11
378	Novel genes involved inCiona intestinalisembryogenesis: Characterization of gene knockdown embryos. Developmental Dynamics, 2007, 236, 1820-1831.	1.8	11

#	Article	IF	Citations
379	Biochemical characterization of the skeletal matrix of the massive coral, Porites australiensis â€" The saccharide moieties and their localization. Journal of Structural Biology, 2018, 203, 219-229.	2.8	11
380	A Likely Ancient Genome Duplication in the Speciose Reef-Building Coral Genus, Acropora. IScience, 2019, 13, 20-32.	4.1	11
381	Color morphs of the coral, <i>Acropora tenuis</i>, show different responses to environmental stress and different expression profiles of fluorescent-protein genes. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	11
382	Expression of an ascidian gene in the tip of the tail of tail-bud-stage embryos. Development Genes and Evolution, 1998, 208, 164-167.	0.9	10
383	Construction of BAC libraries derived from the ascidian Ciona intestinalis.. Genes and Genetic Systems, 2002, 77, 283-285.	0.7	10
384	Direct examination of chromosomal clustering of organ-specific genes in the chordate Ciona intestinalis. Genesis, 2011, 49, 662-672.	1.6	10
385	A cDNA Resource for Gene Expression Studies of a Hemichordate, Ptychodera flava. Zoological Science, 2014, 31, 414.	0.7	10
386	ORTHOSCOPE Analysis Reveals the Presence of the Cellulose Synthase Gene in All Tunicate Genomes but Not in Other Animal Genomes. Genes, 2019, 10, 294.	2.4	10
387	Heterochirality results from reduction of maternal diaph expression in a terrestrial pulmonate snail. Zoological Letters, 2019, 5, 2.	1.3	10
388	The â€˜Shellomeâ€™ of the Crocus Clam Tridacna crocea Emphasizes Essential Components of Mollusk Shell Biomineralization. Frontiers in Genetics, 2021, 12, 674539.	2.3	10
389	Novel Mitochondrial DNA Markers for Scleractinian Corals and Generic-Level Environmental DNA Metabarcoding. Frontiers in Marine Science, 2021, 8, .	2.5	10
390	Expression of an antigen specific for trunk lateral cells in quarter embryos of the ascidian,Halocynthia roretzi. The Journal of Experimental Zoology, 1991, 258, 344-352.	1.4	9
391	Expression of Actin Genes in the Arrow Worm Paraspadella gotoi (Chaetognatha). Zoological Science, 1997, 14, 953-960.	0.7	9
392	Expression of Tbx6 , a muscle lineage T-box gene, in the tailless embryo of the ascidian Molgula tectiformis. Development Genes and Evolution, 2002, 212, 354-356.	0.9	9
393	Effects of 5-aza-2â€²-deoxycytidine on the Gene Expression Profile During Embryogenesis of the Ascidian Ciona intestinalis: A Microarray Analysis. Zoological Science, 2007, 24, 648-655.	0.7	9
394	Ambulacrarian prototypical Hox and ParaHox gene complements of the indirect-developing hemichordate Balanoglossus simodensis. Development Genes and Evolution, 2009, 219, 383-389.	0.9	9
395	Possible co-option of<i>engrailed</i>during brachiopod and mollusc shell development. Biology Letters, 2017, 13, 20170254.	2.3	9
396	Comparative genomics of four strains of the edible brown alga, Cladosiphon okamuranus. BMC Genomics, 2020, 21, 422.	2.8	9

#	Article	IF	Citations
397	Mass Isolation of Muscle Lineage Blastomeres from Ascidian Embryos. (ascidian embryos/muscle) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.5	8
398	Pattern of Segregation of Mitochondria into Muscle Lineage Cells during Embryogenesis of the Ascidian Halocynthia roretzi. (ascidian embryos/mitochondrial localization/specific antibody/muscle) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.5	8
399	Regulation of Notochord-Specific Expression of Ci-Bra Downstream Genes in Ciona intestinalis Embryos. Zoological Science, 2010, 27, 110.	0.7	8
400	A Genome-Wide Survey of Genes Encoding Transcription Factors in Japanese Pearl Oyster Pinctada fucata: II. Tbx, Fox, Ets, HMG, NFÎº;B, bZIP, and C2H2 Zinc Fingers. Zoological Science, 2013, 30, 858.	0.7	8
401	Genetic diversity of farmed and wild populations of the reefâ€building coral, <scp><i>Acropora tenuis</i></scp>. Restoration Ecology, 2018, 26, 1195-1202.	2.9	8
402	Differential gene expression in fronds and stolons of the siphonous macroalga, <i>Caulerpa lentillifera</i>. Development Growth and Differentiation, 2019, 61, 475-484.	1.5	8
403	A Preliminary Single-Cell RNA-Seq Analysis of Embryonic Cells That Express Brachyury in the Amphioxus, Branchiostoma japonicum. Frontiers in Cell and Developmental Biology, 2021, 9, 696875.	3.7	8
404	Ciona intestinalis Noto4 contains a phosphotyrosine interaction domain and is involved in the midline intercalation of notochord cells. International Journal of Developmental Biology, 2011, 55, 11-18.	0.6	8
405	A single-cell RNA-seq analysis of Brachyury-expressing cell clusters suggests a morphogenesis-associated signal center of oral ectoderm in sea urchin embryos. Developmental Biology, 2022, 483, 128-142.	2.0	8
406	Quantity of prelocalized maternal factor is associated with the timing of initiation of an epidermis-specific gene expression of the ascidian embryo. Development Genes and Evolution, 1998, 208, 151-156.	0.9	7
407	SL RNA Genes of the Ascidian Tunicates<i>Ciona intestinalis</i>and<i>Ciona savignyi</i>. Zoological Science, 2010, 27, 171-180.	0.7	7
408	Microsatellite markers for multiple Pocillopora genetic lineages offer new insights about coral populations. Scientific Reports, 2017, 7, 6729.	3.3	7
409	Isolation and characterization of novel polymorphic microsatellite loci for the deep-sea hydrothermal vent limpet, Lepetodrilus nux, and the vent-associated squat lobster, Shinkaia crosnieri. Marine Biodiversity, 2018, 48, 677-684.	1.0	7
410	Structural and functional analyses of calcium ion response factors in the mantle of Pinctada fucata. Journal of Structural Biology, 2018, 204, 240-249.	2.8	7
411	Genomeâ€wide SNP genotyping reveals hidden population structure of an acroporid species at a subtropical coral island: Implications for coral restoration. Aquatic Conservation: Marine and Freshwater Ecosystems, 2021, 31, 2429-2439.	2.0	7
412	Two new species of Rhinogobius (Gobiiformes: Oxudercidae) from Palawan, Philippines, with their phylogenetic placement. Zootaxa, 2021, 5068, 81-98.	0.5	7
413	INDUCTION OF THE WRINKLED BLASTULA FORMATION IN THE STARFISH,ASTERINA PECTINIFERA, BY MODIFIED DEVELOPMENTAL CONDITIONS. Biological Bulletin, 1978, 155, 150-160.	1.8	6
414	Both the functional specificity and autoregulative activity of two ascidian T-box genes HrBra and HrTbx6 are likely to be mediated by the DNA-binding domain. Development Growth and Differentiation, 2005, 47, 173-185.	1.5	6

#	Article	IF	Citations
415	Cloning and characterization of an ascidian homolog of the human 8-oxoguanine DNA glycosylase (Ogg1) that is involved in the repair of 8-oxo-7,8-dihydroguanine in DNA inCiona intestinalis. International Journal of Radiation Biology, 2006, 82, 241-250.	1.8	6
416	Differential Regional Expression of Genes in the Developing Brain of Ciona intestinalis Embryos. Zoological Science, 2010, 27, 103.	0.7	6
417	Probing a Coral Genome for Components of the Photoprotective Scytonemin Biosynthetic Pathway and the 2-Aminoethylphosphonate Pathway. Marine Drugs, 2013, 11, 559-570.	4.6	6
418	Telomere Shortening in the Colonial Coral<i>Acropora digitifera</i>During Development. Zoological Science, 2014, 31, 129-134.	0.7	6
419	Sustained Heterozygosity Across a Self-Incompatibility Locus in an Inbred Ascidian. Molecular Biology and Evolution, 2015, 32, 81-90.	8.9	6
420	Transposon-mediated targeted and specific knockdown of maternally expressed transcripts in the ascidian Ciona intestinalis. Scientific Reports, 2015, 4, 5050.	3.3	6
421	The Ciona intestinalis cleavage clock is independent of DNA methylation. Genomics, 2016, 108, 168-176.	2.9	6
422	Finding cell-specific expression patterns in the early Ciona embryo with single-cell RNA-seq. Scientific Reports, 2020, 10, 4961.	3.3	6
423	Ultraviolet-sensitive ooplasmic factors are responsible for the development of an endoderm-specific alkaline phosphatase in the ascidian embryo. Development Growth and Differentiation, 1996, 38, 167-173.	1.5	5
424	Regulation of ascidian Rel by its alternative splice variant. FEBS Journal, 2003, 270, 4459-4468.	0.2	5
425	Euro chordates: Ascidian community swims ahead. The 4th International Tunicate meeting in Villefranche sur Mer. Developmental Dynamics, 2008, 237, 1207-1213.	1.8	5
426	Differential gene regulation by VIV and VV ions in the branchial sac, intestine, and blood cells of a vanadium-rich ascidian, Ciona intestinalis. BioMetals, 2012, 25, 1037-1050.	4.1	5
427	Two Decades of Ascidian Developmental Biology. Current Topics in Developmental Biology, 2016, 117, 289-300.	2.2	5
428	An Investigation into the Genetic History of Japanese Populations of Three Starfish, Acanthaster planci, Linckia laevigata, and Asterias amurensis, Based on Complete Mitochondrial DNA Sequences. G3: Genes, Genomes, Genetics, 2020, 10, 2519-2528.	1.8	5
429	Ancestral Stem Cell Reprogramming Genes Active in Hemichordate Regeneration. Frontiers in Ecology and Evolution, 2022, 10, .	2.2	5
430	An 83-kDa embryonic-type nuclear antigen is detected within the germinal vesicles of oocytes of the ascidianHalocynthia roretzi. Roux's Archives of Developmental Biology, 1990, 199, 207-211.	1.2	4
431	Toward a new paradigm for studying ascidian developmental dynamics. Developmental Dynamics, 2007, 236, 1695-1697.	1.8	4
432	Differential gene expression in notochord and nerve cord fate segregation in the <i>Ciona intestinalis</i> embryo. Genesis, 2013, 51, 647-659.	1.6	4

#	Article	IF	Citations
433	Functional Analyses of MMPs for Aragonite Crystal Formation in the Ligament of Pinctada fucata. Frontiers in Marine Science, 2018, 5, .	2.5	4
434	Enhancer activities of amphioxus <i>Brachyury</i> genes in embryos of the ascidian, <i>Ciona intestinalis</i>. Genesis, 2018, 56, e23240.	1.6	4
435	Phylogenetic Analyses of Glycosyl Hydrolase Family 6 Genes in Tunicates: Possible Horizontal Transfer. Genes, 2020, 11, 937.	2.4	4
436	Expansion and Diversification of Fluorescent Protein Genes in Fifteen Acropora Species during the Evolution of Acroporid Corals. Genes, 2021, 12, 397.	2.4	4
437	Ascidian tyrosinase gene: Its unique structure and expression in the developing brain. Developmental Dynamics, 1997, 208, 363-374.	1.8	4
438	Transcriptomes of Giant Sea Anemones from Okinawa as a Tool for Understanding Their Phylogeny and Symbiotic Relationships with Anemonefish. Zoological Science, 2022, 39, .	0.7	4
439	Brachyury homolog (HpTa) is involved in the formation of archenteron and secondary mesenchyme cell differentiation in the sea urchin embryo. Zoology, 2001, 104, 99-102.	1.2	3
440	Neuropeptides and their receptors of the protochordate,<i>Ciona intestinalis:</i>The evolutionary origin of vertebrate neuropeptides. Acta Biologica Hungarica, 2008, 59, 237-239.	0.7	3
441	Early zygotic expression of transcription factors and signal molecules in fully dissociated embryonic cells of <i>Ciona intestinalis</i>: A microarray analysis. Development Growth and Differentiation, 2009, 51, 639-655.	1.5	3
442	Cross-Species, Amplifiable Microsatellite Markers for Neoverrucid Barnacles from Deep-Sea Hydrothermal Vents Developed Using Next-Generation Sequencing. International Journal of Molecular Sciences, 2014, 15, 14364-14371.	4.1	3
443	A deep dive into the development of sea squirts. Nature, 2019, 571, 333-334.	27.8	3
444	Correlation between Organelle Genetic Variation and RNA Editing in Dinoflagellates Associated with the Coral Acropora digitifera. Genome Biology and Evolution, 2020, 12, 203-209.	2.5	3
445	In vitro Symbiosis of Reef-Building Coral Cells With Photosynthetic Dinoflagellates. Frontiers in Marine Science, 2021, 8, .	2.5	3
446	Phylogenetic comparisons reveal mosaic histories of larval and adult shell matrix protein deployment in pteriomorph bivalves. Scientific Reports, 2020, 10, 22140.	3.3	3
447	Two Hidden mtDNA-Clades of Crown-of-Thorns Starfish in the Pacific Ocean. Frontiers in Marine Science, 2022, 9, .	2.5	3
448	Gray and Red Fragments of the Egg of the Ascidian Ciona savignyi: Preferential Development of Muscle Cells from Gray Fragments. (ascidian embryogenesis/morphogenetic determinants/myoplasm/egg) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.5	2
449	Trunk Lateral Cell-Specific Genes of the Ascidian Halocynthia roretzi. Zoological Science, 2001, 18, 361-366.	0.7	2
450	Genomic Resources for Ascidians: Sequenceâ§¸Expression Databases and Genome Projects. Methods in Cell Biology, 2004, 74, 759-774.	1.1	2

#	Article	IF	Citations
451	An ascidian Tâ€box gene AsT2 is related to the Tbx6 subfamily and is associated with embryonic muscle cell differentiation. Developmental Dynamics, 1999, 215, 62-68.	1.8	2
452	Development of <scp>DNA</scp> markers that distinguish male and female haploid germlings of the brown alga, <scp><i>Cladosiphon okamuranus</i></scp>. Phycological Research, 2022, 70, 160-166.	1.6	2
453	An ascidian gene encoding an SH2-domain protein is expressed in the notochord cells of the embryo. Development Growth and Differentiation, 1998, 40, 431-438.	1.5	1
454	Comparative Genomics of Deuterostomes. , 2016, , 59-79.		1
455	Review of Schismatogobius (Gobiidae) from Japan, with the description of a new species. Ichthyological Research, 2018, 65, 56-77.	0.8	1
456	Xenacoelomorph-Specific Hox Peptides: Insights into the Phylogeny of Acoels, Nemertodermatids, and Xenoturbellids. Zoological Science, 2019, 36, 395.	0.7	1
457	Active Expression of Genes for Protein Modification Enzymes in Habu Venom Glands. Toxins, 2022, 14, 300.	3.4	1
458	A genome scientific view of ascidian development. International Congress Series, 2002, 1246, 117-124.	0.2	0
459	[Comparative Genomics of Animals]. Zoological Science, 2005, 22, 1377-1379.	0.7	0
460	Culture ofCiona intestinalis in closed systems. Developmental Dynamics, 2007, 236, spc1-spc1.	1.8	0
461	Enhancer detection in the ascidianCiona intestinalis with transposase-expressing lines ofMinos. Developmental Dynamics, 2008, 237, spc1-spc1.	1.8	0
462	P100. Regulation of notochord-specific expression of Ci-Bra downstream genes in Ciona intestinalis embryos. Differentiation, 2010, 80, S50.	1.9	0
463	Draft Genome Sequence of Loktanella cinnabarina LL-001 ^T , Isolated from Deep-Sea Floor Sediment. Genome Announcements, 2013, 1, .	0.8	0
464	Transcriptomic profiling of the mussel <i>Mytilus trossulus</i> with a special emphasis on integrin-like genes during development. Invertebrate Reproduction and Development, 2019, 63, 231-240.	0.8	0
465	Gene expression profiles of dicyemid life-cycle stages may explain how dispersing larvae locate new hosts. Zoological Letters, 2019, 5, 32.	1.3	0
466	Calcitonin and calcitonin receptor of a protochordate, Ciona intestinalis. FASEB Journal, 2006, 20, A972.	0.5	0
467	A novel biological role of tachykinins as an upregulator of oocyte growth: evolutionary origin of tachykinergic functions in the ovary. FASEB Journal, 2008, 22, 1047.1.	0.5	0
468	Fusion of Dissociated Embryonic Cells in the Teleost, Oryzias latipes. IV. Changes in Cell Surface Morphology Related to This Fusion: A Scanning Electron Microscope Study. Cell Structure and Function, 1979, 4, 45-49.	1.1	0

#	Article	IF	Citations
469	Mechanisms of muscle cell differentiation in the ascidian embryo.. Seibutsu Butsuri, 1996, 36, 129-133.	0.1	0