

Yutaka Satou

List of Publications by Year in descending order

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154
papers

12,175
citations

23567

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105
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159
all docs

159
docs citations

159
times ranked

6187
citing authors

#	ARTICLE	IF	CITATIONS
1	The Draft Genome of <i>Ciona intestinalis</i> : Insights into Chordate and Vertebrate Origins. <i>Science</i> , 2002, 298, 2157-2167.	12.6	1,539
2	The amphioxus genome and the evolution of the chordate karyotype. <i>Nature</i> , 2008, 453, 1064-1071.	27.8	1,496
3	The amphioxus genome illuminates vertebrate origins and cephalochordate biology. <i>Genome Research</i> , 2008, 18, 1100-1111.	5.5	456
4	Gene expression profiles of transcription factors and signaling molecules in the ascidian embryo: towards a comprehensive understanding of gene networks. <i>Development (Cambridge)</i> , 2004, 131, 4047-4058.	2.5	371
5	Regulatory Blueprint for a Chordate Embryo. <i>Science</i> , 2006, 312, 1183-1187.	12.6	368
6	Axial patterning in cephalochordates and the evolution of the organizer. <i>Nature</i> , 2007, 445, 613-617.	27.8	242
7	A cDNA resource from the basal chordate <i>Ciona intestinalis</i> . <i>Genesis</i> , 2002, 33, 153-154.	1.6	233
8	Improved genome assembly and evidence-based global gene model set for the chordate <i>Ciona intestinalis</i> : new insight into intron and operon populations. <i>Genome Biology</i> , 2008, 9, R152.	9.6	192
9	<i>Ciona intestinalis</i> : an emerging model for whole-genome analyses. <i>Trends in Genetics</i> , 2003, 19, 376-381.	6.7	187
10	An Integrated Database of the Ascidian, <i>Ciona intestinalis</i> : Towards Functional Genomics. <i>Zoological Science</i> , 2005, 22, 837-843.	0.7	173
11	Assembly of polymorphic genomes: Algorithms and application to <i>Ciona savignyi</i> . <i>Genome Research</i> , 2005, 15, 1127-1135.	5.5	170
12	Gene expression profiles in <i>Ciona intestinalis</i> tailbud embryos. <i>Development (Cambridge)</i> , 2001, 128, 2893-2904.	2.5	159
13	Gene regulatory networks underlying the compartmentalization of the <i>Ciona</i> central nervous system. <i>Development (Cambridge)</i> , 2009, 136, 285-293.	2.5	144
14	The evolutionary origin of animal cellulose synthase. <i>Development Genes and Evolution</i> , 2004, 214, 81-88.	0.9	142
15	Characterization of Brachyury-Downstream Notochord Genes in the <i>Ciona intestinalis</i> Embryo. <i>Developmental Biology</i> , 2000, 224, 69-80.	2.0	140
16	A genomewide survey of developmentally relevant genes in <i>Ciona intestinalis</i> . <i>Development Genes and Evolution</i> , 2003, 213, 235-244.	0.9	138
17	Action of morpholinos in <i>Ciona</i> embryos. <i>Genesis</i> , 2001, 30, 103-106.	1.6	136
18	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. <i>Development (Cambridge)</i> , 2002, 129, 1729-1738.	2.5	134

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19	Ciona intestinalis cDNA projects: expressed sequence tag analyses and gene expression profiles during embryogenesis. <i>Gene</i> , 2002, 287, 83-96.	2.2	133
20	A genomewide survey of developmentally relevant genes in <i>Ciona intestinalis</i> . <i>Development Genes and Evolution</i> , 2003, 213, 222-234.	0.9	130
21	A genomewide survey of developmentally relevant genes in <i>Ciona intestinalis</i> . <i>Development Genes and Evolution</i> , 2003, 213, 213-221.	0.9	129
22	The ascidian <i>Mesp</i> gene specifies heart precursor cells. <i>Development (Cambridge)</i> , 2004, 131, 2533-2541.	2.5	122
23	Caspases: evolutionary aspects of their functions in vertebrates. <i>Journal of Fish Biology</i> , 2009, 74, 727-753.	1.6	110
24	Ci-opsin1, a vertebrate-type opsin gene, expressed in the larval ocellus of the ascidian <i>Ciona intestinalis</i> . <i>FEBS Letters</i> , 2001, 506, 69-72.	2.8	106
25	The ANISEED database: Digital representation, formalization, and elucidation of a chordate developmental program. <i>Genome Research</i> , 2010, 20, 1459-1468.	5.5	105
26	Multiple functions of a Zic-like gene in the differentiation of notochord, central nervous system and muscle in <i>Ciona savignyi</i> embryos. <i>Development (Cambridge)</i> , 2002, 129, 2723-2732.	2.5	104
27	An essential role of a <i>FoxD</i> gene in notochord induction in <i>Ciona</i> embryos. <i>Development (Cambridge)</i> , 2002, 129, 3441-3453.	2.5	100
28	Gene Expression Profiles in Tadpole Larvae of <i>Ciona intestinalis</i> . <i>Developmental Biology</i> , 2002, 242, 188-203.	2.0	99
29	Gene expression profiles in young adult <i>Ciona intestinalis</i> . <i>Development Genes and Evolution</i> , 2002, 212, 173-185.	0.9	99
30	A genomewide survey of developmentally relevant genes in <i>Ciona intestinalis</i> . <i>Development Genes and Evolution</i> , 2003, 213, 303-313.	0.9	99
31	Early embryonic expression of a LIM-homeobox gene <i>Cs-lhx3</i> is downstream of β -catenin and responsible for the endoderm differentiation in <i>Ciona savignyi</i> embryos. <i>Development (Cambridge)</i> , 2001, 128, 3559-3570.	2.5	93
32	Comprehensive analysis of the ascidian genome reveals novel insights into the molecular evolution of ion channel genes. <i>Physiological Genomics</i> , 2005, 22, 269-282.	2.3	91
33	ANISEED 2017: extending the integrated ascidian database to the exploration and evolutionary comparison of genome-scale datasets. <i>Nucleic Acids Research</i> , 2018, 46, D718-D725.	14.5	90
34	Blastema induction in aneurogenic state and <i>Prrx-1</i> regulation by MMPs and FGFs in <i>Ambystoma mexicanum</i> limb regeneration. <i>Developmental Biology</i> , 2011, 355, 263-274.	2.0	89
35	A genomewide survey of developmentally relevant genes in <i>Ciona intestinalis</i> . <i>Development Genes and Evolution</i> , 2003, 213, 264-272.	0.9	87
36	A zinc finger transcription factor, <i>ZicL</i> , is a direct activator of <i>Brachyury</i> in the notochord specification of <i>Ciona intestinalis</i> . <i>Development (Cambridge)</i> , 2004, 131, 1279-1288.	2.5	84

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37	Timing of initiation of muscle-specific gene expression in the ascidian embryo precedes that of developmental fate restriction in lineage cells. <i>Development Growth and Differentiation</i> , 1995, 37, 319-327.	1.5	83
38	posterior end mark 2 (pem-2), pem-4, pem-5, and pem-6: Maternal Genes with Localized mRNA in the Ascidian Embryo. <i>Developmental Biology</i> , 1997, 192, 467-481.	2.0	81
39	A Nearly Complete Genome of <i>Ciona intestinalis</i> Type A (<i>C. robusta</i>) Reveals the Contribution of Inversion to Chromosomal Evolution in the Genus <i>Ciona</i> . <i>Genome Biology and Evolution</i> , 2019, 11, 3144-3157.	2.5	81
40	High-throughput protein expression screening and purification in <i>Escherichia coli</i> . <i>Methods</i> , 2011, 55, 65-72.	3.8	80
41	Tachykinin and Tachykinin Receptor of an Ascidian, <i>Ciona intestinalis</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 53798-53805.	3.4	77
42	Fgf genes in the basal chordate <i>Ciona intestinalis</i> . <i>Development Genes and Evolution</i> , 2002, 212, 432-438.	0.9	75
43	Profiles of Maternally Expressed Genes in Fertilized Eggs of <i>Ciona intestinalis</i> . <i>Developmental Biology</i> , 2001, 238, 315-331.	2.0	74
44	Gene expression profiles in <i>Ciona intestinalis</i> cleavage-stage embryos. <i>Mechanisms of Development</i> , 2002, 112, 115-127.	1.7	69
45	A genomewide survey of developmentally relevant genes in <i>Ciona intestinalis</i> . <i>Development Genes and Evolution</i> , 2003, 213, 245-253.	0.9	69
46	posterior end mark 3 (pem-3), an Ascidian Maternally Expressed Gene with Localized mRNA Encodes a Protein with <i>Caenorhabditis elegans</i> MEX-3-like KH Domains. <i>Developmental Biology</i> , 1999, 212, 337-350.	2.0	66
47	macho-1-related genes in <i>Ciona</i> embryos. <i>Development Genes and Evolution</i> , 2002, 212, 87-92.	0.9	66
48	A genomewide survey of developmentally relevant genes in <i>Ciona intestinalis</i> . <i>Development Genes and Evolution</i> , 2003, 213, 254-263.	0.9	66
49	Ci-Tbx6b and Ci-Tbx6c are key mediators of the maternal effect gene Ci-macho1 in muscle cell differentiation in <i>Ciona intestinalis</i> embryos. <i>Developmental Biology</i> , 2005, 282, 535-549.	2.0	65
50	The invertebrate ancestry of endocannabinoid signalling: an orthologue of vertebrate cannabinoid receptors in the urochordate <i>Ciona intestinalis</i> . <i>Gene</i> , 2003, 302, 95-101.	2.2	64
51	Morpholino-based gene knockdown screen of novel genes with developmental function in <i>Ciona intestinalis</i> . <i>Development (Cambridge)</i> , 2003, 130, 6485-6495.	2.5	64
52	Expression of hedgehog genes in <i>Ciona intestinalis</i> embryos. <i>Mechanisms of Development</i> , 2002, 116, 235-238.	1.7	63
53	A Twist-like bHLH gene is a downstream factor of an endogenous FGF and determines mesenchymal fate in the ascidian embryos. <i>Development (Cambridge)</i> , 2003, 130, 4461-4472.	2.5	62
54	Identification of downstream genes of the ascidian muscle determinant gene Ci-macho1. <i>Developmental Biology</i> , 2004, 274, 478-489.	2.0	62

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55	Genomic overview of mRNA 5'-leader trans-splicing in the ascidian <i>Ciona intestinalis</i> . <i>Nucleic Acids Research</i> , 2006, 34, 3378-3388.	14.5	62
56	Genomic cis-regulatory networks in the early <i>Ciona intestinalis</i> embryo. <i>Development (Cambridge)</i> , 2010, 137, 1613-1623.	2.5	61
57	Large scale EST analyses in <i>Ciona intestinalis</i> . <i>Development Genes and Evolution</i> , 2003, 213, 314-318.	0.9	60
58	Three distinct lineages of mesenchymal cells in <i>Ciona intestinalis</i> embryos demonstrated by specific gene expression. <i>Developmental Biology</i> , 2004, 274, 211-224.	2.0	60
59	Microarray analysis of localization of maternal transcripts in eggs and early embryos of the ascidian, <i>Ciona intestinalis</i> . <i>Developmental Biology</i> , 2005, 284, 536-550.	2.0	60
60	Gene expression profile during the life cycle of the urochordate <i>Ciona intestinalis</i> . <i>Developmental Biology</i> , 2007, 308, 572-582.	2.0	60
61	T-box genes in the ascidian <i>Ciona intestinalis</i> : Characterization of cDNAs and spatial expression. <i>Developmental Dynamics</i> , 2004, 230, 743-753.	1.8	59
62	Guidelines for the nomenclature of genetic elements in tunicate genomes. <i>Genesis</i> , 2015, 53, 1-14.	1.6	59
63	Retinoic acid affects gene expression and morphogenesis without upregulating the retinoic acid receptor in the ascidian <i>Ciona intestinalis</i> . <i>Mechanisms of Development</i> , 2003, 120, 363-372.	1.7	55
64	A cDNA resource for the cephalochordate amphioxus <i>Branchiostoma floridae</i> . <i>Development Genes and Evolution</i> , 2008, 218, 723-727.	0.9	55
65	Hemocytes of <i>Ciona intestinalis</i> express multiple genes involved in innate immune host defense. <i>Biochemical and Biophysical Research Communications</i> , 2003, 302, 207-218.	2.1	54
66	EST analysis of gene expression in testis of the ascidian <i>Ciona intestinalis</i> . <i>Molecular Reproduction and Development</i> , 2002, 62, 431-445.	2.0	51
67	Systematic analysis of embryonic expression profiles of zinc finger genes in <i>Ciona intestinalis</i> . <i>Developmental Biology</i> , 2006, 292, 546-554.	2.0	50
68	A genomewide survey of developmentally relevant genes in <i>Ciona intestinalis</i> . <i>Development Genes and Evolution</i> , 2003, 213, 291-302.	0.9	49
69	Conserved function of caspase-8 in apoptosis during bony fish evolution. <i>Gene</i> , 2007, 396, 134-148.	2.2	49
70	Chromosomal mapping of 170 BAC clones in the ascidian <i>Ciona intestinalis</i> . <i>Genome Research</i> , 2005, 16, 297-303.	5.5	45
71	Region specific gene expressions in the central nervous system of the ascidian embryo. <i>Mechanisms of Development</i> , 2002, 119, S275-S277.	1.7	43
72	A bHLH transcription factor gene, <i>Twist-like1</i> , is essential for the formation of mesodermal tissues of <i>Ciona</i> juveniles. <i>Developmental Biology</i> , 2005, 288, 387-396.	2.0	40

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73	High-throughput sequence analysis of <i>Ciona intestinalis</i> SL trans-spliced mRNAs: Alternative expression modes and gene function correlates. <i>Genome Research</i> , 2010, 20, 636-645.	5.5	40
74	Multiple Signaling Pathways Coordinate to Induce a Threshold Response in a Chordate Embryo. <i>PLoS Genetics</i> , 2013, 9, e1003818.	3.5	39
75	A Maternal System Initiating the Zygotic Developmental Program through Combinatorial Repression in the Ascidian Embryo. <i>PLoS Genetics</i> , 2016, 12, e1006045.	3.5	38
76	Genetic pathways for differentiation of the peripheral nervous system in ascidians. <i>Nature Communications</i> , 2015, 6, 8719.	12.8	37
77	Isolation and Characterization of cDNA Clones for Epidermis-Specific and Muscle-Specific Genes in <i>Ciona savignyi</i> Embryos. <i>Zoological Science</i> , 1998, 15, 239-246.	0.7	36
78	Isolation and characterization of genes that are expressed during <i>Ciona intestinalis</i> metamorphosis. <i>Development Genes and Evolution</i> , 2001, 211, 184-189.	0.9	36
79	Expression of neuropeptide- and hormone-encoding genes in the <i>Ciona intestinalis</i> larval brain. <i>Developmental Biology</i> , 2011, 352, 202-214.	2.0	35
80	A saturation screen for cis-acting regulatory DNA in the Hox genes of <i>Ciona intestinalis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 679-683.	7.1	34
81	Two cis-regulatory elements are essential for the muscle-specific expression of an actin gene in the ascidian embryo. <i>Development Growth and Differentiation</i> , 1996, 38, 565-573.	1.5	33
82	Construction of a cDNA Microarray Derived from the Ascidian <i>Ciona intestinalis</i> . <i>Zoological Science</i> , 2003, 20, 1223-1229.	0.7	33
83	A Genome-Wide Survey of Genes for Enzymes Involved in Pigment Synthesis in an Ascidian, <i>Ciona intestinalis</i> . <i>Zoological Science</i> , 2005, 22, 723-734.	0.7	33
84	An intrinsic genetic program for autonomous differentiation of muscle cells in the ascidian embryo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 9315-9321.	7.1	32
85	Gene regulatory networks for the development and evolution of the chordate heart. <i>Genes and Development</i> , 2006, 20, 2634-2638.	5.9	32
86	The evolutionary conservation of the core components necessary for the extrinsic apoptotic signaling pathway, in Medaka fish. <i>BMC Genomics</i> , 2007, 8, 141.	2.8	32
87	A time delay gene circuit is required for palp formation in the ascidian embryo. <i>Development (Cambridge)</i> , 2013, 140, 4703-4708.	2.5	32
88	A genomewide survey of developmentally relevant genes in <i>Ciona intestinalis</i> . <i>Development Genes and Evolution</i> , 2003, 213, 273-283.	0.9	31
89	Cis-Acting Transcriptional Repression Establishes a Sharp Boundary in Chordate Embryos. <i>Science</i> , 2012, 337, 964-967.	12.6	31
90	Gene regulatory systems that control gene expression in the <i>Ciona</i> embryo. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2015, 91, 33-51.	3.8	30

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91	Early embryonic expression of FGF4/6/9 gene and its role in the induction of mesenchyme and notochord in <i>Ciona savignyi</i> embryos. <i>Development (Cambridge)</i> , 2002, 129, 1729-38.	2.5	30
92	Multiple functions of a Zic-like gene in the differentiation of notochord, central nervous system and muscle in <i>Ciona savignyi</i> embryos. <i>Development (Cambridge)</i> , 2002, 129, 2723-32.	2.5	30
93	Brachyury (T) gene expression and notochord development in <i>Oikopleura longicauda</i> (Appendicularia). <i>Trends in Ecology and Evolution</i> , 2002, 17, 108-114.	0.9	29
94	Genomewide surveys of developmentally relevant genes in <i>Ciona intestinalis</i> . <i>Development Genes and Evolution</i> , 2003, 213, 211-212.	0.9	29
95	Expression of FoxE and FoxQ genes in the endostyle of <i>Ciona intestinalis</i> . <i>Development Genes and Evolution</i> , 2003, 213, 416-419.	0.9	29
96	Novel Endostyle-Specific Genes in the Ascidian <i>Ciona intestinalis</i> . <i>Zoological Science</i> , 2003, 20, 1025-1030.	0.7	29
97	Controlling Cell Fate Specification System by Key Genes Determined from Network Structure. <i>IScience</i> , 2018, 4, 281-293.	4.1	28
98	An essential role of a FoxD gene in notochord induction in <i>Ciona</i> embryos. <i>Development (Cambridge)</i> , 2002, 129, 3441-53.	2.5	27
99	Further characterization of genes expressed during <i>Ciona intestinalis</i> metamorphosis. <i>Differentiation</i> , 2002, 70, 429-437.	1.9	25
100	The Apoptotic Initiator Caspase-8: Its Functional Ubiquity and Genetic Diversity during Animal Evolution. <i>Molecular Biology and Evolution</i> , 2014, 31, 3282-3301.	8.9	25
101	Further EST analysis of endocrine genes that are preferentially expressed in the neural complex of <i>Ciona intestinalis</i> : Receptor and enzyme genes associated with endocrine system in the neural complex. <i>General and Comparative Endocrinology</i> , 2007, 150, 233-245.	1.8	24
102	Regulatory genes in the ancestral chordate genomes. <i>Development Genes and Evolution</i> , 2008, 218, 715-721.	0.9	24
103	CIPRO 2.5: <i>Ciona intestinalis</i> protein database, a unique integrated repository of large-scale omics data, bioinformatic analyses and curated annotation, with user rating and reviewing functionality. <i>Nucleic Acids Research</i> , 2011, 39, D807-D814.	14.5	24
104	Transcriptome dynamics in early embryos of the ascidian, <i>Ciona intestinalis</i> . <i>Developmental Biology</i> , 2013, 384, 375-385.	2.0	24
105	Developmental gene activities in ascidian embryos. <i>Current Opinion in Genetics and Development</i> , 1999, 9, 542-547.	3.3	23
106	Cataloging transcription factor and major signaling molecule genes for functional genomic studies in <i>Ciona intestinalis</i> . <i>Development Genes and Evolution</i> , 2005, 215, 580-596.	0.9	22
107	Muscle actin genes and muscle cells in the appendicularian, <i>Oikopleura longicauda</i> : Phylogenetic relationships among muscle tissues in the urochordates. <i>The Journal of Experimental Zoology</i> , 2000, 288, 135-150.	1.4	21
108	Large-scale characterization of genes specific to the larval nervous system in the ascidian <i>Ciona intestinalis</i> . <i>Genesis</i> , 2003, 36, 62-71.	1.6	21

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109	<i>Tfap2</i> and <i>Sox1/2/3</i> cooperatively specify ectodermal fates in ascidian embryos. <i>Development (Cambridge)</i> , 2017, 144, 33-37.	2.5	21
110	A pipeline for the systematic identification of non-redundant full-ORF cDNAs for polymorphic and evolutionary divergent genomes: Application to the ascidian <i>Ciona intestinalis</i> . <i>Developmental Biology</i> , 2015, 404, 149-163.	2.0	20
111	Differential temporal control of <i>Foxa.a</i> and <i>Zic-r.b</i> specifies brain versus notochord fate in the ascidian embryo. <i>Development (Cambridge)</i> , 2017, 144, 38-43.	2.5	20
112	<i>Foxg</i> specifies sensory neurons in the anterior neural plate border of the ascidian embryo. <i>Nature Communications</i> , 2019, 10, 4911.	12.8	20
113	A single-cell analysis of the molecular lineage of chordate embryogenesis. <i>Science Advances</i> , 2020, 6, .	10.3	18
114	A Manually Curated Gene Model Set for an Ascidian, <i>Ciona robusta</i> (<i>Ciona intestinalis</i> Type A). <i>Zoological Science</i> , 2022, 39, .	0.7	18
115	Ascidian Larva Reveals Ancient Origin of Vertebrate-Skeletal-Muscle Troponin I Characteristics in Chordate Locomotory Muscle. <i>Molecular Biology and Evolution</i> , 2003, 20, 2113-2122.	8.9	17
116	Analysis of large scale expression sequenced tags (ESTs) from the anural ascidian, <i>Molgula tectiformis</i> . <i>Developmental Biology</i> , 2007, 307, 460-482.	2.0	17
117	Gene regulatory networks in the early ascidian embryo. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2009, 1789, 268-273.	1.9	17
118	A genomewide survey of developmentally relevant genes in <i>Ciona intestinalis</i> . <i>Development Genes and Evolution</i> , 2003, 213, 284-290.	0.9	16
119	Dynamic changes in developmental gene expression in the basal chordate <i>Ciona intestinalis</i> . <i>Development Growth and Differentiation</i> , 2005, 47, 187-199.	1.5	16
120	A genomic overview of short genetic variations in a basal chordate, <i>Ciona intestinalis</i> . <i>BMC Genomics</i> , 2012, 13, 208.	2.8	16
121	Fluorescent in situ hybridization to ascidian chromosomes. <i>Zoological Science</i> , 2004, 21, 153-157.	0.7	15
122	M-Ras evolved independently of R-Ras and its neural function is conserved between mammalian and ascidian, which lacks classical Ras. <i>Gene</i> , 2009, 429, 49-58.	2.2	15
123	Antagonism between β -catenin and <i>Gata.a</i> sequentially segregates the germ layers of ascidian embryos. <i>Development (Cambridge)</i> , 2016, 143, 4167-4172.	2.5	15
124	High-Throughput Protein Production Combined with High-Throughput SELEX Identifies an Extensive Atlas of <i>Ciona robusta</i> Transcription Factor DNA-Binding Specificities. <i>Methods in Molecular Biology</i> , 2019, 2025, 487-517.	0.9	15
125	Expression Cloning of an Ascidian Syndecan Suggests Its Role in Embryonic Cell Adhesion and Morphogenesis. <i>Developmental Biology</i> , 1999, 211, 198-207.	2.0	14
126	Identification of transcripts expressed preferentially in hemocytes of <i>Ciona intestinalis</i> that can be used as molecular markers. <i>DNA Research</i> , 2004, 11, 345-352.	3.4	14

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127	The cell death machinery controlled by Bax and Bcl-XL is evolutionarily conserved in <i>Ciona intestinalis</i> . <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2005, 10, 1211-1220.	4.9	14
128	Differential gene expression along the animal-vegetal axis in the ascidian embryo is maintained by a dual functional protein Foxd. <i>PLoS Genetics</i> , 2017, 13, e1006741.	3.5	14
129	The regulatory pathway from genes directly activated by maternal factors to muscle structural genes in ascidian embryos. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	13
130	Chromosomal Inversion Polymorphisms in Two Sympatric Ascidian Lineages. <i>Genome Biology and Evolution</i> , 2021, 13, .	2.5	13
131	A Boolean Function for Neural Induction Reveals a Critical Role of Direct Intercellular Interactions in Patterning the Ectoderm of the Ascidian Embryo. <i>PLoS Computational Biology</i> , 2015, 11, e1004687.	3.2	13
132	The genetic program to specify ectodermal cells in ascidian embryos. <i>Development Growth and Differentiation</i> , 2020, 62, 301-310.	1.5	12
133	Blood System Formation in the Urochordate <i>Ciona intestinalis</i> Requires the Variable Receptor vCRL1. <i>Molecular Biology and Evolution</i> , 2012, 29, 3081-3093.	8.9	11
134	Distinct regulation of <i>Snail</i> in two muscle lineages of the ascidian embryo achieves temporal coordination of muscle development. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	11
135	Construction of BAC libraries derived from the ascidian <i>Ciona intestinalis</i> . <i>Genes and Genetic Systems</i> , 2002, 77, 283-285.	0.7	10
136	Microinjection of Exogenous Nucleic Acids into Eggs: <i>Ciona</i> Species. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1029, 5-13.	1.6	10
137	Dynamics of two key maternal factors that initiate zygotic regulatory programs in ascidian embryos. <i>Developmental Biology</i> , 2018, 437, 50-59.	2.0	9
138	Cell geometry, signal dampening, and a bimodal transcriptional response underlie the spatial precision of an ERK-mediated embryonic induction. <i>Developmental Cell</i> , 2021, 56, 2966-2979.e10.	7.0	9
139	Gene-regulatory networks in the <i>Ciona</i> embryos. <i>Briefings in Functional Genomics & Proteomics</i> , 2009, 8, 250-255.	3.8	8
140	Initiation of the zygotic genetic program in the ascidian embryo. <i>Seminars in Cell and Developmental Biology</i> , 2018, 84, 111-117.	5.0	8
141	A gene regulatory network for cell fate specification in <i>Ciona</i> embryos. <i>Current Topics in Developmental Biology</i> , 2020, 139, 1-33.	2.2	8
142	Dysregulation of a potassium channel, THIK-1, targeted by caspase-8 accelerates cell shrinkage. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 2766-2783.	4.1	7
143	Gata is ubiquitously required for the earliest zygotic gene transcription in the ascidian embryo. <i>Developmental Biology</i> , 2020, 458, 215-227.	2.0	7
144	Tbx15/18/22 shares a binding site with Tbx6-r.b to maintain expression of a muscle structural gene in ascidian late embryos. <i>Developmental Biology</i> , 2022, 483, 1-12.	2.0	7

#	ARTICLE	IF	CITATIONS
145	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 in <i>Ciona intestinalis</i> . <i>International Journal of Radiation Biology</i> , 2006, 82, 241-250.	1.8	6
146	Sustained Heterozygosity Across a Self-Incompatibility Locus in an Inbred Ascidian. <i>Molecular Biology and Evolution</i> , 2015, 32, 81-90.	8.9	6
147	Using linkage logic theory to control dynamics of a gene regulatory network of a chordate embryo. <i>Scientific Reports</i> , 2021, 11, 4001.	3.3	6
148	The gene regulatory system for specifying germ layers in early embryos of the simple chordate. <i>Science Advances</i> , 2021, 7, .	10.3	6
149	Cis-regulatory code for determining the action of Foxd as both an activator and a repressor in ascidian embryos. <i>Developmental Biology</i> , 2021, 476, 11-17.	2.0	5
150	Differential gene expression in notochord and nerve cord fate segregation in the <i>Ciona intestinalis</i> embryo. <i>Genesis</i> , 2013, 51, 647-659.	1.6	4
151	Ascidian Zic Genes. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1046, 87-106.	1.6	3
152	Two distinct motifs for Zic-r.a drive specific gene expression in two cell lineages. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	2
153	Protein kinases and protein phosphatases encoded in the <i>Ciona robusta</i> genome. <i>Genesis</i> , 2022, 60, e23471.	1.6	2
154	CIPRO 2.5: <i>Ciona intestinalis</i> Protein integrated database with large-scale omics data, bioinformatic analyses and curated annotation, with ability for user rating and comments. <i>Nature Precedings</i> , 2011, , .	0.1	0