

Noriyuki Satoh

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481 papers	22,310 citations	72 h-index	125 g-index
508 ext. papers	25,109 ext. citations	5.1 avg, IF	6.69 L-index

#	Paper	IF	Citations
481	The draft genome of <i>Ciona intestinalis</i> : insights into chordate and vertebrate origins. <i>Science</i> , 2002 , 298, 2157-67	33.3	1354
480	The amphioxus genome and the evolution of the chordate karyotype. <i>Nature</i> , 2008 , 453, 1064-71	50.4	1266
479	Using the <i>Acropora digitifera</i> genome to understand coral responses to environmental change. <i>Nature</i> , 2011 , 476, 320-3	50.4	608
478	The amphioxus genome illuminates vertebrate origins and cephalochordate biology. <i>Genome Research</i> , 2008 , 18, 1100-11	9.7	387
477	Draft assembly of the <i>Symbiodinium minutum</i> nuclear genome reveals dinoflagellate gene structure. <i>Current Biology</i> , 2013 , 23, 1399-408	6.3	351
476	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, 4047-58	6.6	319
475	Regulatory blueprint for a chordate embryo. <i>Science</i> , 2006 , 312, 1183-7	33.3	307
474	A Large and Consistent Phylogenomic Dataset Supports Sponges as the Sister Group to All Other Animals. <i>Current Biology</i> , 2017 , 27, 958-967	6.3	289
473	Horizontal gene transfer from diverse bacteria to an insect genome enables a tripartite nested mealybug symbiosis. <i>Cell</i> , 2013 , 153, 1567-78	56.2	285
472	Genomic analysis of immunity in a Urochordate and the emergence of the vertebrate immune system: "waiting for Godot". <i>Immunogenetics</i> , 2003 , 55, 570-81	3.2	237
471	Draft genome of the pearl oyster <i>Pinctada fucata</i> : a platform for understanding bivalve biology. <i>DNA Research</i> , 2012 , 19, 117-30	4.5	236
470	A cDNA resource from the basal chordate <i>Ciona intestinalis</i> . <i>Genesis</i> , 2002 , 33, 153-4	1.9	220
469	Axial patterning in cephalochordates and the evolution of the organizer. <i>Nature</i> , 2007 , 445, 613-7	50.4	203
468	The ascidian tadpole larva: comparative molecular development and genomics. <i>Nature Reviews Genetics</i> , 2003 , 4, 285-95	30.1	188
467	Function of vertebrate T gene. <i>Nature</i> , 1993 , 364, 582-3	50.4	183
466	<i>Ciona intestinalis</i> : an emerging model for whole-genome analyses. <i>Trends in Genetics</i> , 2003 , 19, 376-81	8.5	177
465	<i>Ciona intestinalis</i> Hox gene cluster: Its dispersed structure and residual colinear expression in development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 15118-23	11.5	176

464	Cell lineage analysis in ascidian embryos by intracellular injection of a tracer enzyme. I. Up to the eight-cell stage. <i>Developmental Biology</i> , 1983 , 99, 382-94	3.1	167
463	Brachyury downstream notochord differentiation in the ascidian embryo. <i>Genes and Development</i> , 1999 , 13, 1519-23	12.6	158
462	Identification and expression of the lamprey Pax6 gene: evolutionary origin of the segmented brain of vertebrates. <i>Development (Cambridge)</i> , 2001 , 128, 3521-3531	6.6	156
461	Cell lineage analysis in ascidian embryos by intracellular injection of a tracer enzyme. II. The 16- and 32-cell stages. <i>Developmental Biology</i> , 1985 , 110, 440-54	3.1	154
460	Assembly of polymorphic genomes: algorithms and application to <i>Ciona savignyi</i> . <i>Genome Research</i> , 2005 , 15, 1127-35	9.7	150
459	An integrated database of the ascidian, <i>Ciona intestinalis</i> : towards functional genomics. <i>Zoological Science</i> , 2005 , 22, 837-43	0.8	149
458	Hemichordate genomes and deuterostome origins. <i>Nature</i> , 2015 , 527, 459-65	50.4	144
457	Chasing tails in ascidians: developmental insights into the origin and evolution of chordates. <i>Trends in Genetics</i> , 1995 , 11, 354-9	8.5	140
456	An Ascidian Homolog of the Mouse Brachyury (T) Gene is Expressed Exclusively in Notochord Cells at the Fate Restricted Stage. <i>Development Growth and Differentiation</i> , 1994 , 36, 9-18	3	133
455	Gene expression profiles in <i>Ciona intestinalis</i> tailbud embryos. <i>Development (Cambridge)</i> , 2001 , 128, 2898-2904	133	
454	Action of morpholinos in <i>Ciona</i> embryos. <i>Genesis</i> , 2001 , 30, 103-6	1.9	129
453	<i>Ciona intestinalis</i> cDNA projects: expressed sequence tag analyses and gene expression profiles during embryogenesis. <i>Gene</i> , 2002 , 287, 83-96	3.8	126
452	Characterization of Brachyury-downstream notochord genes in the <i>Ciona intestinalis</i> embryo. <i>Developmental Biology</i> , 2000 , 224, 69-80	3.1	125
451	Determination and regulation in the pigment cell lineage of the ascidian embryo. <i>Developmental Biology</i> , 1989 , 132, 355-67	3.1	125
450	The evolutionary origin of animal cellulose synthase. <i>Development Genes and Evolution</i> , 2004 , 214, 81-8	1.8	123
449	A genomewide survey of developmentally relevant genes in <i>Ciona intestinalis</i> . II. Genes for homeobox transcription factors. <i>Development Genes and Evolution</i> , 2003 , 213, 222-34	1.8	120
448	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, 1729-1738	6.6	119
447	A genomewide survey of developmentally relevant genes in <i>Ciona intestinalis</i> . III. Genes for Fox, ETS, nuclear receptors and NFkappaB. <i>Development Genes and Evolution</i> , 2003 , 213, 235-44	1.8	117

446	Conservation of the developmental role of Brachyury in notochord formation in a urochordate, the ascidian <i>Balocynthia roretzi</i> . <i>Developmental Biology</i> , 1998 , 200, 158-70	3.1	116
445	A New Spiralian Phylogeny Places the Enigmatic Arrow Worms among Gnathiferans. <i>Current Biology</i> , 2019 , 29, 312-318.e3	6.3	116
444	A genomewide survey of developmentally relevant genes in <i>Ciona intestinalis</i> . I. Genes for bHLH transcription factors. <i>Development Genes and Evolution</i> , 2003 , 213, 213-21	1.8	114
443	The ascidian Mesp gene specifies heart precursor cells. <i>Development (Cambridge)</i> , 2004 , 131, 2533-41	6.6	109
442	Chordate evolution and the three-phylum system. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281, 20141729	4.4	107
441	The Lingula genome provides insights into brachiopod evolution and the origin of phosphate biomineralization. <i>Nature Communications</i> , 2015 , 6, 8301	17.4	105
440	Neural tube is partially dorsalized by overexpression of HrPax-37: the ascidian homologue of Pax-3 and Pax-7. <i>Developmental Biology</i> , 1997 , 187, 240-52	3.1	105
439	Germ-line transgenesis of the Tc1/mariner superfamily transposon Minos in <i>Ciona intestinalis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 7726-30	11.5	103
438	Bivalve-specific gene expansion in the pearl oyster genome: implications of adaptation to a sessile lifestyle. <i>Zoological Letters</i> , 2016 , 2, 3	3	95
437	Transposon-mediated insertional mutagenesis revealed the functions of animal cellulose synthase in the ascidian <i>Ciona intestinalis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 15134-9	11.5	93
436	Development of <i>Ciona intestinalis</i> juveniles (through 2nd ascidian stage). <i>Zoological Science</i> , 2004 , 21, 285-98	0.8	93
435	The ANISEED database: digital representation, formalization, and elucidation of a chordate developmental program. <i>Genome Research</i> , 2010 , 20, 1459-68	9.7	92
434	A genomewide survey of developmentally relevant genes in <i>Ciona intestinalis</i> . X. Genes for cell junctions and extracellular matrix. <i>Development Genes and Evolution</i> , 2003 , 213, 303-13	1.8	92
433	Gene expression profiles in tadpole larvae of <i>Ciona intestinalis</i> . <i>Developmental Biology</i> , 2002 , 242, 188-203	9.3	92
432	An essential role of aFoxD gene in notochord induction in <i>Ciona</i> embryos. <i>Development (Cambridge)</i> , 2002 , 129, 3441-3453	6.6	92
431	Novel pattern of Brachyury gene expression in hemichordate embryos. <i>Mechanisms of Development</i> , 1998 , 75, 139-43	1.7	91
430	Deeply conserved synteny resolves early events in vertebrate evolution. <i>Nature Ecology and Evolution</i> , 2020 , 4, 820-830	12.3	91
429	The crown-of-thorns starfish genome as a guide for biocontrol of this coral reef pest. <i>Nature</i> , 2017 , 544, 231-234	50.4	90

428	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	6.6	90
427	Piecing together evolution of the vertebrate endocrine system. <i>Trends in Genetics</i> , 2004 , 20, 359-66	8.5	89
426	C6-like and C3-like molecules from the cephalochordate, amphioxus, suggest a cytolytic complement system in invertebrates. <i>Journal of Molecular Evolution</i> , 2002 , 54, 671-9	3.1	87
425	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	3.8	86
424	Comparative genome sequencing reveals genomic signature of extreme desiccation tolerance in the anhydrobiotic midge. <i>Nature Communications</i> , 2014 , 5, 4784	17.4	85
423	Patterning the protochordate neural tube. <i>Current Opinion in Neurobiology</i> , 2001 , 11, 16-21	7.6	84
422	Comprehensive analysis of the ascidian genome reveals novel insights into the molecular evolution of ion channel genes. <i>Physiological Genomics</i> , 2005 , 22, 269-82	3.6	83
421	Ascidian homologs of mammalian thyroid peroxidase genes are expressed in the thyroid-equivalent region of the endostyle. <i>The Journal of Experimental Zoology</i> , 1999 , 285, 158-69		83
420	Trunk lateral cells are neural crest-like cells in the ascidian <i>Ciona intestinalis</i> : insights into the ancestry and evolution of the neural crest. <i>Developmental Biology</i> , 2008 , 324, 152-60	3.1	82
419	Obligate bacterial mutualists evolving from environmental bacteria in natural insect populations. <i>Nature Microbiology</i> , 2016 , 1, 15011	26.6	81
418	Early embryonic expression of a LIM-homeobox gene <i>Cs-lhx3</i> is downstream of <i>Eatenin</i> and responsible for the endoderm differentiation in <i>Ciona savignyi</i> embryos. <i>Development (Cambridge)</i> , 2001 , 128, 3559-3570	6.6	81
417	Posterior end mark 2 (<i>pem-2</i>), <i>pem-4</i> , <i>pem-5</i> , and <i>pem-6</i> : maternal genes with localized mRNA in the ascidian embryo. <i>Developmental Biology</i> , 1997 , 192, 467-81	3.1	79
416	A genomewide survey of developmentally relevant genes in <i>Ciona intestinalis</i> . VI. Genes for Wnt, TGF β , Hedgehog and JAK/STAT signaling pathways. <i>Development Genes and Evolution</i> , 2003 , 213, 264-72	1.8	79
415	Gene expression profiles in young adult <i>Ciona intestinalis</i> . <i>Development Genes and Evolution</i> , 2002 , 212, 173-85	1.8	77
414	The mitochondrial genome of the hemichordate <i>Balanoglossus carnosus</i> and the evolution of deuterostome mitochondria. <i>Genetics</i> , 1998 , 150, 1115-23	4	76
413	The complex NOD-like receptor repertoire of the coral <i>Acropora digitifera</i> includes novel domain combinations. <i>Molecular Biology and Evolution</i> , 2013 , 30, 167-76	8.3	75
412	Molecular evolution of fibrillar collagen in chordates, with implications for the evolution of vertebrate skeletons and chordate phylogeny. <i>Evolution & Development</i> , 2006 , 8, 370-7	2.6	75
411	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, 1279-88	6.6	75

410	Metabolic and physiological interdependencies in the <i>Bathymodiolus azoricus</i> symbiosis. <i>ISME Journal</i> , 2017 , 11, 463-477	11.9	72
409	Domain shuffling and the evolution of vertebrates. <i>Genome Research</i> , 2009 , 19, 1393-403	9.7	72
408	Culture of <i>Ciona intestinalis</i> in closed systems. <i>Developmental Dynamics</i> , 2007 , 236, 1832-40	2.9	72
407	Timing mechanisms in early embryonic development. <i>Differentiation</i> , 1982 , 22, 156-63	3.5	71
406	Two divergent <i>Symbiodinium</i> genomes reveal conservation of a gene cluster for sunscreen biosynthesis and recently lost genes. <i>BMC Genomics</i> , 2018 , 19, 458	4.5	70
405	The Global Invertebrate Genomics Alliance (GIGA): developing community resources to study diverse invertebrate genomes. <i>Journal of Heredity</i> , 2014 , 105, 1-18	2.4	70
404	Small genome symbiont underlies cuticle hardness in beetles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E8382-E8391	11.5	69
403	The ancestral gene repertoire of animal stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E7093-100	11.5	68
402	Ependymal cells of chordate larvae are stem-like cells that form the adult nervous system. <i>Nature</i> , 2011 , 469, 525-8	50.4	68
401	Profiles of maternally expressed genes in fertilized eggs of <i>Ciona intestinalis</i> . <i>Developmental Biology</i> , 2001 , 238, 315-31	3.1	68
400	Fgf genes in the basal chordate <i>Ciona intestinalis</i> . <i>Development Genes and Evolution</i> , 2002 , 212, 432-8	1.8	67
399	Pattern of Brachyury gene expression in starfish embryos resembles that of hemichordate embryos but not of sea urchin embryos. <i>Mechanisms of Development</i> , 1999 , 82, 185-9	1.7	67
398	Origin of patterning in neural tubes. <i>Nature</i> , 1996 , 384, 123	50.4	67
397	The transcriptomic response of the coral <i>Acropora digitifera</i> to a competent <i>Symbiodinium</i> strain: the symbiosome as an arrested early phagosome. <i>Molecular Ecology</i> , 2016 , 25, 3127-41	5.7	66
396	A genomewide survey of developmentally relevant genes in <i>Ciona intestinalis</i> . IV. Genes for HMG transcriptional regulators, bZip and GATA/Gli/Zic/Snail. <i>Development Genes and Evolution</i> , 2003 , 213, 245-53	1.8	65
395	A genomewide survey of developmentally relevant genes in <i>Ciona intestinalis</i> . V. Genes for receptor tyrosine kinase pathway and Notch signaling pathway. <i>Development Genes and Evolution</i> , 2003 , 213, 254-63	1.8	65
394	Gene expression profiles in <i>Ciona intestinalis</i> cleavage-stage embryos. <i>Mechanisms of Development</i> , 2002 , 112, 115-27	1.7	64
393	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		64

392	Tachykinin and tachykinin receptor of an ascidian, <i>Ciona intestinalis</i> : evolutionary origin of the vertebrate tachykinin family. <i>Journal of Biological Chemistry</i> , 2004 , 279, 53798-805	5.4	63
391	macho-1-Related genes in <i>Ciona</i> embryos. <i>Development Genes and Evolution</i> , 2002 , 212, 87-92	1.8	62
390	Pax1/Pax9-Related genes in an agnathan vertebrate, <i>Lampetra japonica</i> : expression pattern of LjPax9 implies sequential evolutionary events toward the gnathostome body plan. <i>Developmental Biology</i> , 2000 , 223, 399-410	3.1	61
389	Large scale EST analyses in <i>Ciona intestinalis</i> : its application as Northern blot analyses. <i>Development Genes and Evolution</i> , 2003 , 213, 314-8	1.8	60
388	Morpholino-based gene knockdown screen of novel genes with developmental function in <i>Ciona intestinalis</i> . <i>Development (Cambridge)</i> , 2003 , 130, 6485-95	6.6	60
387	Expression of thyroid transcription factor-1 (TTF-1) gene in the ventral forebrain and endostyle of the agnathan vertebrate, <i>Lampetra japonica</i> . <i>Genesis</i> , 2001 , 30, 51-8	1.9	60
386	Mitigating Anticipated Effects of Systematic Errors Supports Sister-Group Relationship between Xenacoelomorpha and Ambulacraria. <i>Current Biology</i> , 2019 , 29, 1818-1826.e6	6.3	59
385	ERK- and JNK-signalling regulate gene networks that stimulate metamorphosis and apoptosis in tail tissues of ascidian tadpoles. <i>Development (Cambridge)</i> , 2007 , 134, 1203-19	6.6	59
384	Genomic overview of mRNA 5'-leader trans-splicing in the ascidian <i>Ciona intestinalis</i> . <i>Nucleic Acids Research</i> , 2006 , 34, 3378-88	20.1	59
383	Molecular studies of hemichordate development: a key to understanding the evolution of bilateral animals and chordates. <i>Evolution & Development</i> , 2001 , 3, 443-54	2.6	59
382	Developmental expression of the hemichordate otx ortholog. <i>Mechanisms of Development</i> , 2000 , 91, 337-9	1.7	59
381	Massive gene transfer and extensive RNA editing of a symbiotic dinoflagellate plastid genome. <i>Genome Biology and Evolution</i> , 2014 , 6, 1408-22	3.9	58
380	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	3.8	58
379	Ascidian embryos as a model system to analyze expression and function of developmental genes. <i>Differentiation</i> , 2001 , 68, 1-12	3.5	58
378	METACHRONOUS CLEAVAGE AND INITIATION OF GASTRULATION IN AMPHIBIAN EMBRYOS. <i>Development Growth and Differentiation</i> , 1977 , 19, 111-117	3	57
377	Nemertean and phoronid genomes reveal lophotrochozoan evolution and the origin of bilaterian heads. <i>Nature Ecology and Evolution</i> , 2018 , 2, 141-151	12.3	57
376	The diversity of shell matrix proteins: genome-wide investigation of the pearl oyster, <i>Pinctada fucata</i> . <i>Zoological Science</i> , 2013 , 30, 801-16	0.8	56
375	Coordination of mitosis and morphogenesis: role of a prolonged G2 phase during chordate neurulation. <i>Development (Cambridge)</i> , 2011 , 138, 577-87	6.6	56

374	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, 4461-72	6.6	56
373	Expression of hedgehog genes in <i>Ciona intestinalis</i> embryos. <i>Mechanisms of Development</i> , 2002 , 116, 235-8	1.7	56
372	T-brain homologue (HpTb) is involved in the archenteron induction signals of micromere descendant cells in the sea urchin embryo. <i>Development (Cambridge)</i> , 2002 , 129, 5205-5216	6.6	56
371	How was the notochord born?. <i>Evolution & Development</i> , 2012 , 14, 56-75	2.6	55
370	Autonomy of ascidian fork head/HNF-3 gene expression. <i>Mechanisms of Development</i> , 1997 , 69, 143-54	1.7	55
369	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, 536-50	3.1	55
368	T-box genes in the ascidian <i>Ciona intestinalis</i> : characterization of cDNAs and spatial expression. <i>Developmental Dynamics</i> , 2004 , 230, 743-53	2.9	55
367	Molecular characterization of radial spoke subcomplex containing radial spoke protein 3 and heat shock protein 40 in sperm flagella of the ascidian <i>Ciona intestinalis</i> . <i>Molecular Biology of the Cell</i> , 2005 , 16, 626-36	3.5	55
366	Genomic cis-regulatory networks in the early <i>Ciona intestinalis</i> embryo. <i>Development (Cambridge)</i> , 2010 , 137, 1613-23	6.6	54
365	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, 535-49	3.1	54
364	Identification of downstream genes of the ascidian muscle determinant gene Ci-macho1. <i>Developmental Biology</i> , 2004 , 274, 478-89	3.1	54
363	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, 363-72	1.7	53
362	Three distinct lineages of mesenchymal cells in <i>Ciona intestinalis</i> embryos demonstrated by specific gene expression. <i>Developmental Biology</i> , 2004 , 274, 211-24	3.1	53
361	Gene expression profile during the life cycle of the urochordate <i>Ciona intestinalis</i> . <i>Developmental Biology</i> , 2007 , 308, 572-82	3.1	52
360	Temporal expression patterns of 39 Brachyury-downstream genes associated with notochord formation in the <i>Ciona intestinalis</i> embryo. <i>Development Growth and Differentiation</i> , 1999 , 41, 657-64	3	52
359	Unprecedented Cyclization Catalyzed by a Cytochrome P450 in Benzastatin Biosynthesis. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6631-6639	16.4	51
358	A cDNA resource for the cephalochordate amphioxus <i>Branchiostoma floridae</i> . <i>Development Genes and Evolution</i> , 2008 , 218, 723-7	1.8	51
357	Coexpression and promoter function in two muscle actin gene complexes of different structural organization in the ascidian <i>Halocynthia roretzi</i> . <i>Developmental Biology</i> , 1995 , 169, 461-72	3.1	51

356	Phylogenetic relationships among extant classes of echinoderms, as inferred from sequences of 18S rDNA, coincide with relationships deduced from the fossil record. <i>Journal of Molecular Evolution</i> , 1994 , 38, 41-9	3.1	51
355	A draft genome of the brown alga, <i>Cladosiphon okamuranus</i> , S-strain: a platform for future studies of 'mozuku' biology. <i>DNA Research</i> , 2016 , 23, 561-570	4.5	50
354	Field identification of Types A and B of the ascidian <i>Ciona intestinalis</i> in a region of sympatry. <i>Marine Biology</i> , 2012 , 159, 1611-1619	2.5	49
353	Brachyury null mutant-induced defects in juvenile ascidian endodermal organs. <i>Development (Cambridge)</i> , 2009 , 136, 35-9	6.6	49
352	Brachyury-downstream gene sets in a chordate, <i>Ciona intestinalis</i> : integrating notochord specification, morphogenesis and chordate evolution. <i>Evolution & Development</i> , 2008 , 10, 37-51	2.6	49
351	Expression of epidermis-specific antigens during embryogenesis of the ascidian, <i>Halocynthia roretzi</i> . <i>Developmental Biology</i> , 1987 , 121, 408-16	3.1	49
350	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, <i>Ciona intestinalis</i> . <i>Endocrinology</i> , 2008 , 149, 4346-56	4.8	48
349	Hemocytes of <i>Ciona intestinalis</i> express multiple genes involved in innate immune host defense. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 302, 207-18	3.4	48
348	Genes expressed in the amphioxus notochord revealed by EST analysis. <i>Developmental Biology</i> , 2000 , 224, 168-77	3.1	47
347	Mechanism of an evolutionary change in muscle cell differentiation in ascidians with different modes of development. <i>Developmental Biology</i> , 1996 , 174, 379-92	3.1	47
346	Cellular morphology and architecture during early morphogenesis of the ascidian egg: an SEM study. <i>Biological Bulletin</i> , 1978 , 155, 608-14	1.5	47
345	Ancient origin of mast cells. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 451, 314-8	3.4	46
344	Limited functions of Hox genes in the larval development of the ascidian <i>Ciona intestinalis</i> . <i>Development (Cambridge)</i> , 2010 , 137, 1505-13	6.6	46
343	Systematic analysis of embryonic expression profiles of zinc finger genes in <i>Ciona intestinalis</i> . <i>Developmental Biology</i> , 2006 , 292, 546-54	3.1	46
342	EST analysis of gene expression in testis of the ascidian <i>Ciona intestinalis</i> . <i>Molecular Reproduction and Development</i> , 2002 , 62, 431-45	2.6	46
341	Group B sox genes that contribute to specification of the vertebrate brain are expressed in the apical organ and ciliary bands of hemichordate larvae. <i>Zoological Science</i> , 2002 , 19, 57-66	0.8	46
340	T-Brain expression in the apical organ of hemichordate tornaria larvae suggests its evolutionary link to the vertebrate forebrain. <i>The Journal of Experimental Zoology</i> , 2000 , 288, 23-31		46
339	Expression of AMD 1, a gene for a MyoD 1-related factor in the ascidian <i>Halocynthia roretzi</i> . <i>Roux's Archives of Developmental Biology</i> , 1994 , 203, 320-327		46

338	Retinoic acid-driven Hox1 is required in the epidermis for forming the otic/atrial placodes during ascidian metamorphosis. <i>Development (Cambridge)</i> , 2012 , 139, 2156-60	6.6	45
337	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 gene Hu/elav. <i>The Journal of Experimental Zoology</i> , 2001 , 291, 354-64		45
336	Mitochondrial rDNA phylogeny of the asteroidea suggests the primitiveness of the paxillosida. <i>Molecular Phylogenetics and Evolution</i> , 1996 , 6, 97-106	4.1	45
335	Tunicate muscle actin genes. Structure and organization as a gene cluster. <i>Journal of Molecular Biology</i> , 1992 , 227, 955-60	6.5	45
334	Genome-wide SNP analysis explains coral diversity and recovery in the Ryukyu Archipelago. <i>Scientific Reports</i> , 2015 , 5, 18211	4.9	45
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