

Billie J Swalla

List of Publications by Year in descending order

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85
papers

6,067
citations

101543

36
h-index

74163

75
g-index

105
all docs

105
docs citations

105
times ranked

4789
citing authors

#	ARTICLE	IF	CITATIONS
1	Transitional chordates and vertebrate origins: Tunicates. <i>Current Topics in Developmental Biology</i> , 2021, 141, 149-171.	2.2	6
2	Future Tail Tales: A Forward-Looking, Integrative Perspective on Tail Research. <i>Integrative and Comparative Biology</i> , 2021, 61, 521-537.	2.0	6
3	An Introduction to an Evolutionary Tail: EvoDevo, Structure, and Function of Post-Anal Appendages. <i>Integrative and Comparative Biology</i> , 2021, 61, 352-357.	2.0	5
4	The Degenerate Tale of Ascidian Tails. <i>Integrative and Comparative Biology</i> , 2021, 61, 358-369.	2.0	7
5	A cis-regulatory change underlying the motor neuron-specific loss of Ebf expression in immotile tunicate larvae. <i>Evolution & Development</i> , 2021, 23, 72-85.	2.0	4
6	Phylogenomics offers resolution of major tunicate relationships. <i>Molecular Phylogenetics and Evolution</i> , 2018, 121, 166-173.	2.7	56
7	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
8	High Time for Hair Cells: An Introduction to the Symposium on Sensory Hair Cells. <i>Integrative and Comparative Biology</i> , 2018, 58, 276-281.	2.0	0
9	Getting a Head with <i>Ptychodera flava</i> Larval Regeneration. <i>Biological Bulletin</i> , 2018, 234, 152-164.	1.8	7
10	Evolutionary loss of melanogenesis in the tunicate <i>Molgula occulta</i> . <i>EvoDevo</i> , 2017, 8, 11.	3.2	38
11	The Global Diversity of Hemichordata. <i>PLoS ONE</i> , 2016, 11, e0162564.	2.5	28
12	A revisited phylogeography of <i>Nautilus pompilius</i> . <i>Ecology and Evolution</i> , 2016, 6, 4924-4935.	1.9	18
13	ANISEED 2015: a digital framework for the comparative developmental biology of ascidians. <i>Nucleic Acids Research</i> , 2016, 44, D808-D818.	14.5	68
14	The Presence of a Functionally Tripartite Through-Gut in Ctenophora Has Implications for Metazoan Character Trait Evolution. <i>Current Biology</i> , 2016, 26, 2814-2820.	3.9	42
15	Head regeneration in hemichordates is not a strict recapitulation of development. <i>Developmental Dynamics</i> , 2016, 245, 1159-1175.	1.8	28
16	Biogeography of <i>Phallusia nigra</i> : Is It Really Black and White?. <i>Biological Bulletin</i> , 2015, 228, 52-64.	1.8	28
17	Metamorphosis in solitary ascidians. <i>Genesis</i> , 2015, 53, 34-47.	1.6	51
18	Addressing Grand Challenges In Organismal Biology: The Need For Synthesis. <i>BioScience</i> , 2014, 64, 1178-1187.	4.9	12

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19	The ctenophore genome and the evolutionary origins of neural systems. <i>Nature</i> , 2014, 510, 109-114.	27.8	606
20	Phylogenomic Resolution of the Hemichordate and Echinoderm Clade. <i>Current Biology</i> , 2014, 24, 2827-2832.	3.9	117
21	Divergent mechanisms regulate conserved cardiopharyngeal development and gene expression in distantly related ascidians. <i>ELife</i> , 2014, 3, e03728.	6.0	69
22	Developmental mode influences diversification in ascidians. <i>Biology Letters</i> , 2013, 9, 20130068.	2.3	15
23	Hemichordate Molecular Phylogeny Reveals a Novel Cold-Water Clade of Harrimaniid Acorn Worms. <i>Biological Bulletin</i> , 2013, 225, 194-204.	1.8	25
24	The Magnitude of Global Marine Species Diversity. <i>Current Biology</i> , 2012, 22, 2189-2202.	3.9	797
25	Evolution and development of budding by stem cells: Ascidian coloniality as a case study. <i>Developmental Biology</i> , 2012, 369, 151-162.	2.0	69
26	Ptychoderid Hemichordate Neurulation without a Notochord. <i>Integrative and Comparative Biology</i> , 2012, 52, 829-834.	2.0	22
27	A new metazoan from the Vendian of the White Sea, Russia, with possible affinities to the ascidians. <i>Paleontological Journal</i> , 2012, 46, 1-11.	0.5	26
28	Phylogeography and reproductive variation of the poecilognous polychaete <i>Boccardia proboscidea</i> (Annelida: Sponionidae) along the West Coast of North America. <i>Evolution & Development</i> , 2011, 13, 489-503.	2.0	22
29	<i>Boltenia</i> embryos flash an orange crescent. <i>Molecular Reproduction and Development</i> , 2011, 78, 703-703.	2.0	0
30	Global Diversity of Ascidiacea. <i>PLoS ONE</i> , 2011, 6, e20657.	2.5	220
31	First Pacific record of the north Atlantic ascidian <i>Molgula citrina</i> – bioinvasion or circumpolar distribution?. <i>Aquatic Invasions</i> , 2010, 5, 369-378.	1.6	24
32	Empowering 21st Century Biology. <i>BioScience</i> , 2010, 60, 923-930.	4.9	24
33	<i>Molgula pugetiensis</i> is a Pacific Tailless Ascidian Within the Roscovita Clade of Molgulids. <i>Biological Bulletin</i> , 2010, 219, 277-282.	1.8	2
34	BIO. <i>Evolution & Development</i> , 2009, 11, 136-138.	2.0	0
35	Molecular phylogeny of hemichordata, with updated status of deep-sea enteropneusts. <i>Molecular Phylogenetics and Evolution</i> , 2009, 52, 17-24.	2.7	79
36	Euro chordates: Ascidian community swims ahead. The 4th International Tunicate meeting in Villefranche sur Mer. <i>Developmental Dynamics</i> , 2008, 237, 1207-1213.	1.8	5

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37	Anterior regeneration in the hemichordate <i>Ptychodera flava</i> . <i>Developmental Dynamics</i> , 2008, 237, 3222-3232.	1.8	35
38	Man is but a worm: Chordate origins. <i>Genesis</i> , 2008, 46, 605-613.	1.6	106
39	Deciphering deuterostome phylogeny: molecular, morphological and palaeontological perspectives. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 1557-1568.	4.0	213
40	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
41	The Hsp90 Capacitor, Developmental Remodeling, and Evolution: The Robustness of Gene Networks and the Curious Evolvability of Metamorphosis. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2007, 42, 355-372.	5.2	81
42	<i>Vasa</i> expression in a colonial ascidian, <i>Botrylloides violaceus</i> . <i>Evolution & Development</i> , 2007, 9, 165-177.	2.0	43
43	A complement response may activate metamorphosis in the ascidian <i>Boltenia villosa</i> . <i>Development Genes and Evolution</i> , 2007, 217, 449-458.	0.9	52
44	Building divergent body plans with similar genetic pathways. <i>Heredity</i> , 2006, 97, 235-243.	2.6	104
45	Evolution and Development of the Chordates: Collagen and Pharyngeal Cartilage. <i>Molecular Biology and Evolution</i> , 2006, 23, 541-549.	8.9	101
46	Coloniality has evolved once in Stolidobranch Ascidians. <i>Integrative and Comparative Biology</i> , 2006, 46, 255-268.	2.0	103
47	Molecular phylogeny of the protochordates: chordate evolution. <i>Canadian Journal of Zoology</i> , 2005, 83, 24-33.	1.0	135
48	Procurement and Culture of Ascidian Embryos. <i>Methods in Cell Biology</i> , 2004, 74, 115-141.	1.1	13
49	A morphological and genetic characterization of metamorphosis in the ascidian <i>Boltenia villosa</i> . <i>Development Genes and Evolution</i> , 2003, 213, 601-611.	0.9	25
50	Morphological and molecular identification of <i>Saccoglossus</i> species (Hemichordata: Harrimaniidae) in the Pacific Northwest. <i>Canadian Journal of Zoology</i> , 2003, 81, 133-141.	1.0	14
51	DEVELOPMENT: Making Sense of Changing Animal Embryos. <i>Science</i> , 2002, 296, 2147-2148.	12.6	3
52	Evaluating Hypotheses of Deuterostome Phylogeny and Chordate Evolution with New LSU and SSU Ribosomal DNA Data. <i>Molecular Biology and Evolution</i> , 2002, 19, 762-776.	8.9	230
53	Expression of <i>Tbx6</i> , a muscle lineage T-box gene, in the tailless embryo of the ascidian <i>Molgula tectiformis</i> . <i>Development Genes and Evolution</i> , 2002, 212, 354-356.	0.9	9
54	Brachyury expression in tailless <i>Molgulid</i> ascidian embryos. <i>Evolution & Development</i> , 2002, 4, 205-211.	2.0	17

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55	A molecular analysis of ascidian metamorphosis reveals activation of an innate immune response. <i>Development (Cambridge)</i> , 2002, 129, 4739-4751.	2.5	83
56	p68, a DEAD-box RNA helicase, is expressed in chordate embryo neural and mesodermal tissues. <i>The Journal of Experimental Zoology</i> , 2000, 288, 193-204.	1.4	23
57	Systematics and the Evolution of Developmental Patterns. <i>Systematic Biology</i> , 2000, 49, 1-2.	5.6	8
58	Urochordates Are Monophyletic Within the Deuterostomes. <i>Systematic Biology</i> , 2000, 49, 52-64.	5.6	218
59	The evolution of anural larvae in molgulid ascidians. <i>Seminars in Cell and Developmental Biology</i> , 2000, 11, 419-426.	5.0	55
60	Tunicates have unusual nuclear lamins with a large deletion in the carboxyterminal tail domain. <i>Gene</i> , 2000, 255, 317-325.	2.2	28
61	Evolution of the chordate body plan: New insights from phylogenetic analyses of deuterostome phyla. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 4469-4474.	7.1	380
62	Evolution of the ascidian anural larva: evidence from embryos and molecules. <i>Molecular Biology and Evolution</i> , 1999, 16, 646-654.	8.9	40
63	Introduction to the Symposium: The Evolution of Development Patterns and Process. <i>American Zoologist</i> , 1998, 38, 591-592.	0.7	7
64	The origin and evolution of animal appendages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 5162-5166.	7.1	402
65	Mechanism of an Evolutionary Change in Muscle Cell Differentiation in Ascidians with Different Modes of Development. <i>Developmental Biology</i> , 1996, 174, 379-392.	2.0	50
66	PCNA mRNA Has a 3' UTR Antisense to Yellow Crescent RNA and Is Localized in Ascidian Eggs and Embryos. <i>Developmental Biology</i> , 1996, 178, 23-34.	2.0	31
67	Requirement of the Manx Gene for Expression of Chordate Features in a Tailless Ascidian Larva. <i>Science</i> , 1996, 274, 1205-1208.	12.6	109
68	Localization of ribosomal protein L5 mRNA in myoplasm during ascidian development. <i>Genesis</i> , 1996, 19, 258-267.	2.1	12
69	Multiple origins of anural development in ascidians inferred from rDNA sequences. <i>Journal of Molecular Evolution</i> , 1995, 40, 413-427.	1.8	89
70	A Maternal RNA Localized in the Yellow Crescent Is Segregated to the Larval Muscle Cells during Ascidian Development. <i>Developmental Biology</i> , 1995, 170, 353-364.	2.0	30
71	Heterochronic expression of an adult muscle actin gene during ascidian larval development. <i>Genesis</i> , 1994, 15, 51-63.	2.1	32
72	Mechanisms of gastrulation and tail formation in ascidians. <i>Microscopy Research and Technique</i> , 1993, 26, 274-284.	2.2	24

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73	An ankryin-like protein in ascidian eggs and its role in the evolution of direct development. <i>Zygote</i> , 1993, 1, 197-208.	1.1	12
74	Novel genes expressed differentially in ascidians with alternate modes of development. <i>Development (Cambridge)</i> , 1993, 119, 307-18.	2.5	8
75	Factors necessary for restoring an evolutionary change in an anural ascidian embryo. <i>Developmental Biology</i> , 1992, 153, 194-205.	2.0	30
76	Vestigial Brain Melanocyte Development During Embryogenesis of an Anural Ascidian. (anural) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 <i>Differentiation</i> , 1992, 34, 17-25.	1.5	21
77	Evolution of alternate modes of development in ascidians. <i>BioEssays</i> , 1992, 14, 219-226.	2.5	94
78	An evolutionary change in the muscle lineage of an anural ascidian embryo is restored by interspecific hybridization with a urodele ascidian. <i>Developmental Biology</i> , 1991, 145, 328-337.	2.0	38
79	Interspecific hybridization between an anural and urodele ascidian: Differential expression of urodele features suggests multiple mechanisms control anural development. <i>Developmental Biology</i> , 1990, 142, 319-334.	2.0	73
80	The myoplasm of ascidian eggs: a localized cytoskeletal domain with multiple roles in embryonic development. <i>Seminars in Cell Biology</i> , 1990, 1, 373-81.	3.4	21
81	Analysis of type II collagen RNA localization in chick wing buds by in situ hybridization. <i>Developmental Biology</i> , 1988, 125, 51-58.	2.0	62
82	The independence of myogenesis and chondrogenesis in micromass cultures of chick wing buds. <i>Developmental Biology</i> , 1986, 116, 31-38.	2.0	32
83	Developmental significance of a cortical cytoskeletal domain in <i>Chaetopterus</i> eggs. <i>Developmental Biology</i> , 1985, 111, 434-450.	2.0	13
84	Inhibition of limb chondrogenesis by fibronectin. <i>Differentiation</i> , 1984, 26, 42-48.	1.9	69
85	Two distinct classes of prechondrogenic cell types in the embryonic limb bud. <i>Developmental Biology</i> , 1983, 97, 59-69.	2.0	51