Elaine C Seaver

List of Publications by Year
in descending order

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42 papers	4,706 citations	257450 24 h-index	243625 44 g-index
45 all docs	45 docs citations	45 times ranked	3892 citing authors

#	Article	IF	Citations
1	Sifting through the mud: A tale of building the annelid Capitella teleta for EvoDevo studies. Current Topics in Developmental Biology, 2022, 147, 401-432.	2.2	3
2	Regeneration in the Segmented Annelid Capitella teleta. Genes, 2021, 12, 1769.	2.4	5
3	Activin/Nodal signaling mediates dorsalâ€“ventral axis formation before third quartet formation in embryos of the annelid Chaetopterus pergamentaceus. EvoDevo, 2020, 11, 17.	3.2	17
4	Functional evidence that Activin/Nodal signaling is required for establishing the dorsal-ventral axis in the annelid Capitella teleta. Development (Cambridge), 2020, 147, .	2.5	17
5	Functional role of pax6 during eye and nervous system development in the annelid Capitella teleta. Developmental Biology, 2019, 456, 86-103.	2.0	25
6	CRISPR/CAS9 mutagenesis of a single r-opsin gene blocks phototaxis in a marine larva. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20182491.	2.6	19
7	An organizing role for the TGF-Î² signaling pathway in axes formation of the annelid Capitella teleta. Developmental Biology, 2018, 435, 26-40.	2.0	19
8	Investigation into the cellular origins of posterior regeneration in the annelid Capitella teleta. Regeneration (Oxford, England), 2018, 5, 61-77.	6.3	29
9	Regeneration of the germline in the annelid Capitella teleta. Developmental Biology, 2018, 440, 74-87.	2.0	16
10	Annelids shed light on the evolution of spiralian development. Canadian Journal of Zoology, 2017, 95, 705-712.	1.0	2
11	Annelid models I: Capitella teleta. Current Opinion in Genetics and Development, 2016, 39, 35-41.	3.3	27
12	Regulative capacity for eye formation by first quartet micromeres of the polychaete Capitella teleta. Developmental Biology, 2016, 410, 119-130.	2.0	16
13	A Stable Thoracic Hox Code and Epimorphosis Characterize Posterior Regeneration in Capitella teleta. PLoS ONE, 2016, 11, e0149724.	2.5	31
14	Nervous system development in lecithotrophic larval and juvenile stages of the annelid Capitella teleta. Frontiers in Zoology, 2015, 12, 15.	2.0	61
15	Variation in spiralian development: insights from polychaetes. International Journal of Developmental Biology, 2014, 58, 457-467.	0.6	27
16	Molecular conservation of metazoan gut formation: evidence from expression of endomesoderm genes in Capitella teleta (Annelida). EvoDevo, 2014, 5, 39.	3.2	53
17	Insights into bilaterian evolution from three spiralian genomes. Nature, 2013, 493, 526-531.	27.8	564
18	An organizing activity is required for head patterning and cell fate specification in the polychaete annelid Capitella teleta: New insights into cellâ€“cell signaling in Lophotrochozoa. Developmental Biology, 2013, 379, 107-122.	2.0	58

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19	The importance of larval eyes in the polychaete Capitella teleta: effects of larval eye deletion on formation of the adult eye. Invertebrate Biology, 2013, 132, 352-367.	0.9	27
20	Effects of maternal investment on larvae and juveniles of the annelid <scp>C</scp>apitella teleta determined by experimental reduction of embryo energy content. Invertebrate Biology, 2012, 131, 82-95.	0.9	15
21	Evolutionary Dynamics of the wnt Gene Family: A Lophotrochozoan Perspective. Molecular Biology and Evolution, 2010, 27, 1645-1658.	8.9	115
22	Developmental expression of COE across the Metazoa supports a conserved role in neuronal cell-type specification and mesodermal development. Development Genes and Evolution, 2010, 220, 221-234.	0.9	28
23	Cell Lineage and Fate Map of the Primary Somatoblast of the Polychaete Annelid Capitella teleta. Integrative and Comparative Biology, 2010, 50, 756-767.	2.0	41
24	A comprehensive fate map by intracellular injection of identified blastomeres in the marine polychaete Capitella teleta. EvoDevo, 2010, 1, 8.	3.2	96
25	Clustered Fox genes in lophotrochozoans and the evolution of the bilaterian Fox gene cluster. Developmental Biology, 2010, 340, 234-248.	2.0	44
26	Assessing the root of bilaterian animals with scalable phylogenomic methods. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 4261-4270.	2.6	645
27	Neurogenesis in an annelid: Characterization of brain neural precursors in the polychaete Capitella sp. I. Developmental Biology, 2009, 335, 237-252.	2.0	79
28	Evidence of a dorsal pharynx in the marine polychaete Capitella teleta (Polychaeta: Capitellidae) . Zoosymposia, 2009, 2, 317-328.	0.3	8
29	Vasa and nanos are coexpressed in somatic and germ line tissue from early embryonic cleavage stages through adulthood in the polychaete Capitella sp. I. Development Genes and Evolution, 2008, 218, 453-463.	0.9	74
30	Broad phylogenomic sampling improves resolution of the animal tree of life. Nature, 2008, 452, 745-749.	27.8	1,698
31	Developmental expression of foxA and gata genes during gut formation in the polychaete annelid, Capitella sp. I. Evolution & Development, 2008, 10, 89-105.	2.0	79
32	Î²-Catenin is required for the establishment of vegetal embryonic fates in the nemertean, Cerebratulus lacteus. Developmental Biology, 2008, 317, 368-379.	2.0	76
33	Notch signaling during larval and juvenile development in the polychaete annelid Capitella sp. I. Developmental Biology, 2008, 320, 304-318.	2.0	47
34	Genomic Organization and Expression Demonstrate Spatial and Temporal Hox Gene Colinearity in the Lophotrochozoan Capitella sp. I. PLoS ONE, 2008, 3, e4004.	2.5	104
35	Characterization of twist and snail gene expression during mesoderm and nervous system development in the polychaete annelid Capitella sp. I. Development Genes and Evolution, 2007, 217, 435-447.	0.9	39
36	Expression of â€˜segmentationâ€™ genes during larval and juvenile development in the polychaetes Capitella sp. I and H. elegans. Developmental Biology, 2006, 289, 179-194.	2.0	124

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37	ParaHox gene expression in the polychaete annelid Capitella sp. I. Development Genes and Evolution, 2006, 216, 81-88.	0.9	58
38	Capitella sp. I homeobrain-like, the first lophotrochozoan member of a novel paired-like homeobox gene family. Gene Expression Patterns, 2006, 6, 985-991.	0.8	22
39	Growth patterns during segmentation in the two polychaete annelids, Capitella sp. I and Hydroides elegans: comparisons at distinct life history stages. Evolution & Development, 2005, 7, 312-326.	2.0	129
40	Segmentation: mono- or polyphyletic?. International Journal of Developmental Biology, 2003, 47, 583-95.	0.6	48
41	The Spatial and Temporal Expression of Ch-en, the engrailed Gene in the Polychaete Chaetopterus, Does Not Support a Role in Body Axis Segmentation. Developmental Biology, 2001, 236, 195-209.	2.0	81
42	Leech Segmental Repeats Develop Normally in the Absence of Signals from either Anterior or Posterior Segments. Developmental Biology, 2000, 224, 339-353.	2.0	35