Scott A Holley

List of Publications by Year
in descending order

37 papers	2,342 citations	257450 24 h-index	345221 36 g-index
53 all docs	53 docs citations	53 times ranked	1943 citing authors

#	Article	IF	Citations
1	Control of <i>her1</i> expression during zebrafish somitogenesis by a <i>Delta</i>-dependent oscillator and an independent wave-front activity. Genes and Development, 2000, 14, 1678-1690.	5.9	296
2	<i>her1</i>and the<i>notch</i>pathway function within the oscillator mechanism that regulates zebrafish somitogenesis. Development (Cambridge), 2002, 129, 1175-1183.	2.5	229
3	IntegrinÎ±5 and Delta/Notch Signaling Have Complementary Spatiotemporal Requirements during Zebrafish Somitogenesis. Developmental Cell, 2005, 8, 575-586.	7.0	135
4	beamter/deltaC and the role of Notch ligands in the zebrafish somite segmentation, hindbrain neurogenesis and hypochord differentiation. Developmental Biology, 2005, 286, 391-404.	2.0	135
5	Regulated tissue fluidity steers zebrafish body elongation. Development (Cambridge), 2013, 140, 573-582.	2.5	116
6	The genetics and embryology of zebrafish metamerism. Developmental Dynamics, 2007, 236, 1422-1449.	1.8	112
7	Control of extracellular matrix assembly along tissue boundaries via Integrin and Eph/Ephrin signaling. Development (Cambridge), 2009, 136, 2913-2921.	2.5	109
8	Zebrafish Whole Mount High-Resolution Double Fluorescent In Situ Hybridization. Journal of Visualized Experiments, 2009, , .	0.3	100
9	Priming, initiation and synchronization of the segmentation clock by deltaD and deltaC. Nature Cell Biology, 2007, 9, 523-530.	10.3	97
10	Targeted degradation of transcription factors by TRAFTACs: TRAnscription Factor TArgeting Chimeras. Cell Chemical Biology, 2021, 28, 648-661.e5.	5.2	92
11	Cell cycle progression is required for zebrafish somite morphogenesis but not segmentation clock function. Development (Cambridge), 2008, 135, 2065-2070.	2.5	87
12	her1 and the notch pathway function within the oscillator mechanism that regulates zebrafish somitogenesis. Development (Cambridge), 2002, 129, 1175-83.	2.5	80
13	Cross-Scale Integrin Regulation Organizes ECM and Tissue Topology. Developmental Cell, 2015, 34, 33-44.	7.0	73
14	Zebrafish segmentation and pair-rule patterning. Genesis, 1998, 23, 65-76.	2.1	69
15	Cell-Fibronectin Interactions Propel Vertebrate Trunk Elongation via Tissue Mechanics. Current Biology, 2013, 23, 1335-1341.	3.9	64
16	Oscillators and the emergence of tissue organization during zebrafish somitogenesis. Trends in Cell Biology, 2007, 17, 593-599.	7.9	47
17	Integration of cellâ€“cell and cellâ€“ECM adhesion in vertebrate morphogenesis. Current Opinion in Cell Biology, 2015, 36, 48-53.	5.4	47
18	Catching a wave: the oscillator and wavefront that create the zebrafish somite. Seminars in Cell and Developmental Biology, 2002, 13, 481-488.	5.0	44

#	Article	IF	Citations
19	Crosstalk between Fgf and Wnt signaling in the zebrafish tailbud. Developmental Biology, 2012, 369, 298-307.	2.0	43
20	Essential roles of fibronectin in the development of the leftâ€"right embryonic body plan. Developmental Biology, 2011, 354, 208-220.	2.0	42
21	The tissue mechanics of vertebrate body elongation and segmentation. Current Opinion in Genetics and Development, 2015, 32, 106-111.	3.3	41
22	The Her7 node modulates the network topology of the zebrafish segmentation clock via sequestration of the Hes6 hub. Development (Cambridge), 2012, 139, 940-947.	2.5	39
23	Expression of the oscillating gene <i>her1</i> is directly regulated by hairy/enhancer of split, Tâ€box, and suppressor of hairless proteins in the zebrafish segmentation clock. Developmental Dynamics, 2009, 238, 2745-2759.	1.8	38
24	Patterned Disordered Cell Motion Ensures Vertebral Column Symmetry. Developmental Cell, 2017, 42, 170-180.e5.	7.0	30
25	Anterior-posterior differences in vertebrate segments: specification of trunk and tail somites in the zebrafish blastula. Genes and Development, 2006, 20, 1831-1837.	5.9	29
26	Organization of Embryonic Morphogenesis via Mechanical Information. Developmental Cell, 2019, 49, 829-839.e5.	7.0	27
27	A Sawtooth Pattern of Cadherin 2 Stability Mechanically Regulates Somite Morphogenesis. Current Biology, 2016, 26, 542-549.	3.9	25
28	Fibronectin is a smart adhesive that both influences and responds to the mechanics of early spinal column development. ELife, 2020, 9, .	6.0	21
29	Balancing segmentation and laterality during vertebrate development. Seminars in Cell and Developmental Biology, 2009, 20, 472-478.	5.0	18
30	Segmental Assembly of Fibronectin Matrix Requires <scp><i>rap1b</i></scp> and <i>integrin Î±5</i>. Developmental Dynamics, 2013, 242, 122-131.	1.8	16
31	Integrin intra-heterodimer affinity inversely correlates with integrin activatability. Cell Reports, 2021, 35, 109230.	6.4	13
32	Modeling the Zebrafish Segmentation Clockâ€™s Gene Regulatory Network Constrained by Expression Data Suggests Evolutionary Transitions Between Oscillating and Nonoscillating Transcription. Genetics, 2014, 197, 725-738.	2.9	9
33	Two deltaC splice-variants have distinct signaling abilities during somitogenesis and midline patterning. Developmental Biology, 2008, 318, 126-132.	2.0	8
34	Vertebrate Segmentation: Snail Counts the Time until Morphogenesis. Current Biology, 2006, 16, R367-R369.	3.9	4
35	The roles of inter-tissue adhesion in development and morphological evolution. Journal of Cell Science, 2022, 135, .	2.0	4
36	Mechanics as a Means of Information Propagation in Development. BioEssays, 2020, 42, 2000121.	2.5	1

#	Article	IF	Citations
37	The eye tugs and the nose follows: how interâ€tissue adhesion directs olfactory development. EMBO Reports, 2022, 23, e54396.	4.5	1