

# Scott A Holley

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

2,342  
citations

257101

24  
h-index

344852

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. <i>Genes and Development</i> , 2000, 14, 1678-1690.	2.7	296
2	<i>her1</i> and the <i>notch</i> pathway function within the oscillator mechanism that regulates zebrafish somitogenesis. <i>Development (Cambridge)</i> , 2002, 129, 1175-1183.	1.2	229
3	Integrin $\alpha$ 5 and Delta/Notch Signaling Have Complementary Spatiotemporal Requirements during Zebrafish Somitogenesis. <i>Developmental Cell</i> , 2005, 8, 575-586.	3.1	135
4	beamter/deltaC and the role of Notch ligands in the zebrafish somite segmentation, hindbrain neurogenesis and hypochord differentiation. <i>Developmental Biology</i> , 2005, 286, 391-404.	0.9	135
5	Regulated tissue fluidity steers zebrafish body elongation. <i>Development (Cambridge)</i> , 2013, 140, 573-582.	1.2	116
6	The genetics and embryology of zebrafish metamerism. <i>Developmental Dynamics</i> , 2007, 236, 1422-1449.	0.8	112
7	Control of extracellular matrix assembly along tissue boundaries via Integrin and Eph/Ephrin signaling. <i>Development (Cambridge)</i> , 2009, 136, 2913-2921.	1.2	109
8	Zebrafish Whole Mount High-Resolution Double Fluorescent &In Situ& Hybridization. <i>Journal of Visualized Experiments</i> , 2009, , .	0.2	100
9	Priming, initiation and synchronization of the segmentation clock by deltaD and deltaC. <i>Nature Cell Biology</i> , 2007, 9, 523-530.	4.6	97
10	Targeted degradation of transcription factors by TRAFACs: TRAnscription Factor TArgeting Chimeras. <i>Cell Chemical Biology</i> , 2021, 28, 648-661.e5.	2.5	92
11	Cell cycle progression is required for zebrafish somite morphogenesis but not segmentation clock function. <i>Development (Cambridge)</i> , 2008, 135, 2065-2070.	1.2	87
12	<i>her1</i> and the <i>notch</i> pathway function within the oscillator mechanism that regulates zebrafish somitogenesis. <i>Development (Cambridge)</i> , 2002, 129, 1175-83.	1.2	80
13	Cross-Scale Integrin Regulation Organizes ECM and Tissue Topology. <i>Developmental Cell</i> , 2015, 34, 33-44.	3.1	73
14	Zebrafish segmentation and pair-rule patterning. <i>Genesis</i> , 1998, 23, 65-76.	3.1	69
15	Cell-Fibronectin Interactions Propel Vertebrate Trunk Elongation via Tissue Mechanics. <i>Current Biology</i> , 2013, 23, 1335-1341.	1.8	64
16	Oscillators and the emergence of tissue organization during zebrafish somitogenesis. <i>Trends in Cell Biology</i> , 2007, 17, 593-599.	3.6	47
17	Integration of cell-cell and cell-ECM adhesion in vertebrate morphogenesis. <i>Current Opinion in Cell Biology</i> , 2015, 36, 48-53.	2.6	47
18	Catching a wave: the oscillator and wavefront that create the zebrafish somite. <i>Seminars in Cell and Developmental Biology</i> , 2002, 13, 481-488.	2.3	44

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19	Crosstalk between Fgf and Wnt signaling in the zebrafish tailbud. <i>Developmental Biology</i> , 2012, 369, 298-307.	0.9	43
20	Essential roles of fibronectin in the development of the left-right embryonic body plan. <i>Developmental Biology</i> , 2011, 354, 208-220.	0.9	42
21	The tissue mechanics of vertebrate body elongation and segmentation. <i>Current Opinion in Genetics and Development</i> , 2015, 32, 106-111.	1.5	41
22	The Her7 node modulates the network topology of the zebrafish segmentation clock via sequestration of the Hes6 hub. <i>Development (Cambridge)</i> , 2012, 139, 940-947.	1.2	39
23	Expression of the oscillating gene <i>her1</i> is directly regulated by hairy/enhancer of split, <i>T-box</i> , and suppressor of hairless proteins in the zebrafish segmentation clock. <i>Developmental Dynamics</i> , 2009, 238, 2745-2759.	0.8	38
24	Patterned Disordered Cell Motion Ensures Vertebral Column Symmetry. <i>Developmental Cell</i> , 2017, 42, 170-180.e5.	3.1	30
25	Anterior-posterior differences in vertebrate segments: specification of trunk and tail somites in the zebrafish blastula. <i>Genes and Development</i> , 2006, 20, 1831-1837.	2.7	29
26	Organization of Embryonic Morphogenesis via Mechanical Information. <i>Developmental Cell</i> , 2019, 49, 829-839.e5.	3.1	27
27	A Sawtooth Pattern of Cadherin 2 Stability Mechanically Regulates Somite Morphogenesis. <i>Current Biology</i> , 2016, 26, 542-549.	1.8	25
28	Fibronectin is a smart adhesive that both influences and responds to the mechanics of early spinal column development. <i>ELife</i> , 2020, 9, .	2.8	21
29	Balancing segmentation and laterality during vertebrate development. <i>Seminars in Cell and Developmental Biology</i> , 2009, 20, 472-478.	2.3	18
30	Segmental Assembly of Fibronectin Matrix Requires <i>rap1b</i> and <i>integrin <math>\beta 5</math></i> . <i>Developmental Dynamics</i> , 2013, 242, 122-131.	0.8	16
31	Integrin intra-heterodimer affinity inversely correlates with integrin activatability. <i>Cell Reports</i> , 2021, 35, 109230.	2.9	13
32	Modeling the Zebrafish Segmentation Clock's Gene Regulatory Network Constrained by Expression Data Suggests Evolutionary Transitions Between Oscillating and Nonoscillating Transcription. <i>Genetics</i> , 2014, 197, 725-738.	1.2	9
33	Two <i>deltaC</i> splice-variants have distinct signaling abilities during somitogenesis and midline patterning. <i>Developmental Biology</i> , 2008, 318, 126-132.	0.9	8
34	Vertebrate Segmentation: Snail Counts the Time until Morphogenesis. <i>Current Biology</i> , 2006, 16, R367-R369.	1.8	4
35	The roles of inter-tissue adhesion in development and morphological evolution. <i>Journal of Cell Science</i> , 2022, 135, .	1.2	4
36	Mechanics as a Means of Information Propagation in Development. <i>BioEssays</i> , 2020, 42, 2000121.	1.2	1

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37	The eye tugs and the nose follows: how intertissue adhesion directs olfactory development. EMBO Reports, 2022, 23, e54396.	2.0	1