

David Kimelman

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46
papers

3,038
citations

31
h-index

55
g-index

145
ext. papers

3,393
ext. citations

10.6
avg, IF

5.44
L-index

#	Paper	IF	Citations
46	Identification of in vivo Hox13-binding sites reveals an essential locus controlling zebrafish brachyury expression. <i>Development (Cambridge)</i> , 2021 , 148,	6.6	5
45	Hox13 genes are required for mesoderm formation and axis elongation during early zebrafish development. <i>Development (Cambridge)</i> , 2020 , 147,	6.6	9
44	Establishing The Body Plan: The First 24 Hours of Zebrafish Development 2020 , 81-88		1
43	Ground, Path, and Fruition: Teaching Zebrafish Development to Tibetan Buddhist Monks in India. <i>Zebrafish</i> , 2018 , 15, 648-651	2	2
42	Regulation of posterior body and epidermal morphogenesis in zebrafish by localized Yap1 and Wwtr1. <i>ELife</i> , 2017 , 6,	8.9	21
41	Author response: Regulation of posterior body and epidermal morphogenesis in zebrafish by localized Yap1 and Wwtr1 2017 ,		2
40	A novel cold-sensitive mutant of ntl reveals temporal roles of brachyury in zebrafish. <i>Developmental Dynamics</i> , 2016 , 245, 874-80	2.9	6
39	Tales of Tails (and Trunks): Forming the Posterior Body in Vertebrate Embryos. <i>Current Topics in Developmental Biology</i> , 2016 , 116, 517-36	5.3	50
38	Presynaptic partner selection during retinal circuit reassembly varies with timing of neuronal regeneration in vivo. <i>Nature Communications</i> , 2016 , 7, 10590	17.4	40
37	Wnt signaling and tbx16 form a bistable switch to commit bipotential progenitors to mesoderm. <i>Development (Cambridge)</i> , 2015 , 142, 2499-507	6.6	33
36	Tbx16 and Msgn1 are required to establish directional cell migration of zebrafish mesodermal progenitors. <i>Developmental Biology</i> , 2015 , 406, 172-85	3.1	28
35	Cdc25 and the importance of G2 control: insights from developmental biology. <i>Cell Cycle</i> , 2014 , 13, 2165-71	4.7	33
34	Restricted expression of cdc25a in the tailbud is essential for formation of the zebrafish posterior body. <i>Genes and Development</i> , 2014 , 28, 384-95	12.6	44
33	Transdifferentiation of fast skeletal muscle into functional endothelium in vivo by transcription factor Etv2. <i>PLoS Biology</i> , 2013 , 11, e1001590	9.7	31
32	Canonical Wnt signaling dynamically controls multiple stem cell fate decisions during vertebrate body formation. <i>Developmental Cell</i> , 2012 , 22, 223-32	10.2	157
31	Anterior-posterior patterning in early development: three strategies. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2012 , 1, 253-66	5.9	40
30	Completion of the epithelial to mesenchymal transition in zebrafish mesoderm requires Spadetail. <i>Developmental Biology</i> , 2011 , 354, 102-10	3.1	31

29	Brachyury establishes the embryonic mesodermal progenitor niche. <i>Genes and Development</i> , 2010 , 24, 2778-83	12.6	91
28	On the fast track to organizer gene expression. <i>Developmental Cell</i> , 2010 , 19, 190-2	10.2	1
27	Alternative splicing of sept9a and sept9b in zebrafish produces multiple mRNA transcripts expressed throughout development. <i>PLoS ONE</i> , 2010 , 5, e10712	3.7	11
26	Rho-regulated myosin phosphatase establishes the level of protrusive activity required for cell movements during zebrafish gastrulation. <i>Development (Cambridge)</i> , 2009 , 136, 2375-84	6.6	52
25	Wnt signaling and the evolution of embryonic posterior development. <i>Current Biology</i> , 2009 , 19, R215-9	6.3	138
24	Bmp inhibition is necessary for post-gastrulation patterning and morphogenesis of the zebrafish tailbud. <i>Developmental Biology</i> , 2009 , 329, 55-63	3.1	33
23	Cell shape regulation by Gravin requires N-terminal membrane effector domains. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 375, 512-516	3.4	6
22	Regulation of canonical Wnt signaling by Brachyury is essential for posterior mesoderm formation. <i>Developmental Cell</i> , 2008 , 15, 121-33	10.2	144
21	Gravin regulates mesodermal cell behavior changes required for axis elongation during zebrafish gastrulation. <i>Genes and Development</i> , 2007 , 21, 1559-71	12.6	46
20	Laminin alpha5 is essential for the formation of the zebrafish fins. <i>Developmental Biology</i> , 2007 , 311, 369-82	3.1	42
19	Sustained Bmp signaling is essential for cloaca development in zebrafish. <i>Development (Cambridge)</i> , 2006 , 133, 2275-84	6.6	69
18	The regulation of mesodermal progenitor cell commitment to somitogenesis subdivides the zebrafish body musculature into distinct domains. <i>Genes and Development</i> , 2006 , 20, 1923-32	12.6	44
17	Squinting at the zebrafish axis. <i>Developmental Cell</i> , 2006 , 10, 6-7	10.2	4
16	Mesoderm induction: from caps to chips. <i>Nature Reviews Genetics</i> , 2006 , 7, 360-72	30.1	161
15	Bmp signaling: turning a half into a whole. <i>Cell</i> , 2005 , 123, 982-4	56.2	12
14	Transgenic zebrafish reveal stage-specific roles for Bmp signaling in ventral and posterior mesoderm development. <i>Development (Cambridge)</i> , 2005 , 132, 2333-43	6.6	116
13	Move it or lose it: axis specification in <i>Xenopus</i> . <i>Development (Cambridge)</i> , 2004 , 131, 3491-9	6.6	114
12	Interplay between FGF, one-eyed pinhead, and T-box transcription factors during zebrafish posterior development. <i>Developmental Biology</i> , 2003 , 264, 456-66	3.1	48

11	One-Eyed Pinhead and Spadetail are essential for heart and somite formation. <i>Nature Cell Biology</i> , 2002 , 4, 821-5	23.4	65
10	A dominant-negative form of p63 is required for epidermal proliferation in zebrafish. <i>Developmental Cell</i> , 2002 , 2, 607-16	10.2	185
9	hrT is required for cardiovascular development in zebrafish. <i>Development (Cambridge)</i> , 2002 , 129, 5093-5101	5.0	70
8	Mesoderm induction and patterning. <i>Results and Problems in Cell Differentiation</i> , 2002 , 40, 15-27	1.4	7
7	Tcf4 can specifically recognize beta-catenin using alternative conformations. <i>Nature Structural Biology</i> , 2001 , 8, 1048-52		152
6	The homeobox genes <i>sox2</i> and <i>sox3</i> are redundant repressors of dorsal fates in zebrafish. <i>Development (Cambridge)</i> , 2001 , 128, 2407-2420	6.6	84
5	Spatial regulation of floating head expression in the developing notochord. <i>Developmental Dynamics</i> , 1997 , 209, 156-65	2.9	50
4	A homeobox gene essential for zebrafish notochord development. <i>Nature</i> , 1995 , 378, 150-7	50.4	400
3	BMP-4 regulates the dorsal-ventral differences in FGF/MAPKK-mediated mesoderm induction in <i>Xenopus</i> . <i>Developmental Biology</i> , 1995 , 172, 242-52	3.1	52
2	Combinatorial signaling in development. <i>BioEssays</i> , 1994 , 16, 577-81	4.1	25
1	The events of the midblastula transition in <i>Xenopus</i> are regulated by changes in the cell cycle. <i>Cell</i> , 1987 , 48, 399-407	56.2	279