

Yiping Chen

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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.

85
papers

3,363
citations

34
h-index

56
g-index

92
ext. papers

3,843
ext. citations

4.4
avg, IF

4.68
L-index

#	Paper	IF	Citations
85	Rescue of cleft palate in Msx1-deficient mice by transgenic Bmp4 reveals a network of BMP and Shh signaling in the regulation of mammalian palatogenesis. <i>Development (Cambridge)</i> , 2002 , 129, 4135-4146	6.6	269
84	Rescue of cleft palate in Msx1-deficient mice by transgenic Bmp4 reveals a network of BMP and Shh signaling in the regulation of mammalian palatogenesis. <i>Development (Cambridge)</i> , 2002 , 129, 4135-46	6.6	170
83	Wnt5a regulates directional cell migration and cell proliferation via Ror2-mediated noncanonical pathway in mammalian palate development. <i>Development (Cambridge)</i> , 2008 , 135, 3871-9	6.6	167
82	Shox2 is essential for the differentiation of cardiac pacemaker cells by repressing Nkx2-5. <i>Developmental Biology</i> , 2009 , 327, 376-85	3.1	166
81	Antagonistic signals between BMP4 and FGF8 define the expression of Pitx1 and Pitx2 in mouse tooth-forming anlage. <i>Developmental Biology</i> , 2000 , 217, 323-32	3.1	164
80	Shox2-deficient mice exhibit a rare type of incomplete clefting of the secondary palate. <i>Development (Cambridge)</i> , 2005 , 132, 4397-406	6.6	116
79	The cellular and molecular etiology of the cleft secondary palate in Fgf10 mutant mice. <i>Developmental Biology</i> , 2005 , 277, 102-13	3.1	107
78	Genetic interactions between Pax9 and Msx1 regulate lip development and several stages of tooth morphogenesis. <i>Developmental Biology</i> , 2010 , 340, 438-49	3.1	104
77	Pitx2-microRNA pathway that delimits sinoatrial node development and inhibits predisposition to atrial fibrillation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 9181-6	11.5	84
76	Modulation of BMP signaling by Noggin is required for the maintenance of palatal epithelial integrity during palatogenesis. <i>Developmental Biology</i> , 2010 , 347, 109-21	3.1	80
75	Transgenically ectopic expression of Bmp4 to the Msx1 mutant dental mesenchyme restores downstream gene expression but represses Shh and Bmp2 in the enamel knot of wild type tooth germ. <i>Mechanisms of Development</i> , 2000 , 99, 29-38	1.7	79
74	Shaping limbs by apoptosis>. <i>The Journal of Experimental Zoology</i> , 1998 , 282, 691-702		76
73	Msx1 is required for the induction of Patched by Sonic hedgehog in the mammalian tooth germ. <i>Developmental Dynamics</i> , 1999 , 215, 45-53	2.9	74
72	Epithelial Wnt/β-catenin signaling regulates palatal shelf fusion through regulation of Tgfβ expression. <i>Developmental Biology</i> , 2011 , 350, 511-9	3.1	66
71	Wnt5a regulates growth, patterning, and odontoblast differentiation of developing mouse tooth. <i>Developmental Dynamics</i> , 2011 , 240, 432-40	2.9	64
70	A common Shox2-Nkx2-5 antagonistic mechanism primes the pacemaker cell fate in the pulmonary vein myocardium and sinoatrial node. <i>Development (Cambridge)</i> , 2015 , 142, 2521-32	6.6	63
69	Hand2 is required in the epithelium for palatogenesis in mice. <i>Developmental Biology</i> , 2009 , 330, 131-41	3.1	59

68	Shox2 is required for chondrocyte proliferation and maturation in proximal limb skeleton. <i>Developmental Biology</i> , 2007 , 306, 549-59	3.1	59
67	Bmpr1a is required in mesenchymal tissue and has limited redundant function with Bmpr1b in tooth and palate development. <i>Developmental Biology</i> , 2011 , 349, 451-61	3.1	58
66	Ectopic expression of Nkx2.5 suppresses the formation of the sinoatrial node in mice. <i>Developmental Biology</i> , 2011 , 356, 359-69	3.1	55
65	Shox2-deficiency leads to dysplasia and ankylosis of the temporomandibular joint in mice. <i>Mechanisms of Development</i> , 2008 , 125, 729-42	1.7	54
64	BMP-FGF signaling axis mediates Wnt-induced epidermal stratification in developing mammalian skin. <i>PLoS Genetics</i> , 2014 , 10, e1004687	6	51
63	Msx1/Bmp4 genetic pathway regulates mammalian alveolar bone formation via induction of Dlx5 and Cbfa1. <i>Mechanisms of Development</i> , 2003 , 120, 1469-79	1.7	48
62	Expression survey of genes critical for tooth development in the human embryonic tooth germ. <i>Developmental Dynamics</i> , 2007 , 236, 1307-12	2.9	46
61	Application of lentivirus-mediated RNAi in studying gene function in mammalian tooth development. <i>Developmental Dynamics</i> , 2006 , 235, 1334-44	2.9	45
60	Targeted misexpression of constitutively active BMP receptor-IB causes bifurcation, duplication, and posterior transformation of digit in mouse limb. <i>Developmental Biology</i> , 2000 , 220, 154-67	3.1	44
59	The non-canonical BMP and Wnt/ β -catenin signaling pathways orchestrate early tooth development. <i>Development (Cambridge)</i> , 2015 , 142, 128-39	6.6	42
58	Mice with Tak1 deficiency in neural crest lineage exhibit cleft palate associated with abnormal tongue development. <i>Journal of Biological Chemistry</i> , 2013 , 288, 10440-50	5.4	41
57	Induction of human keratinocytes into enamel-secreting ameloblasts. <i>Developmental Biology</i> , 2010 , 344, 795-9	3.1	38
56	Intra-epithelial requirement of canonical Wnt signaling for tooth morphogenesis. <i>Journal of Biological Chemistry</i> , 2013 , 288, 12080-9	5.4	37
55	Functional redundancy between human SHOX and mouse Shox2 genes in the regulation of sinoatrial node formation and pacemaking function. <i>Journal of Biological Chemistry</i> , 2011 , 286, 17029-38 ^{5.4}	5.4	37
54	Pten loss induces autocrine FGF signaling to promote skin tumorigenesis. <i>Cell Reports</i> , 2014 , 6, 818-26	10.6	36
53	Enhanced BMP signaling prevents degeneration and leads to endochondral ossification of Meckel's cartilage in mice. <i>Developmental Biology</i> , 2013 , 381, 301-11	3.1	35
52	Tissue interaction is required for glenoid fossa development during temporomandibular joint formation. <i>Developmental Dynamics</i> , 2011 , 240, 2466-73	2.9	35
51	Timing of odontogenic neural crest cell migration and tooth-forming capability in mice. <i>Developmental Dynamics</i> , 2003 , 226, 713-8	2.9	34

50	Exploring the effects of gene dosage on mandible shape in mice as a model for studying the genetic basis of natural variation. <i>Development Genes and Evolution</i> , 2013 , 223, 279-87	1.8	30
49	Gsk3βs required in the epithelium for palatal elevation in mice. <i>Developmental Dynamics</i> , 2010 , 239, 3235-46	2.9	30
48	Chick Pcl2 regulates the left-right asymmetry by repressing Shh expression in Hensen's node. <i>Development (Cambridge)</i> , 2004 , 131, 4381-91	6.6	30
47	FGF signaling sustains the odontogenic fate of dental mesenchyme by suppressing β-catenin signaling. <i>Development (Cambridge)</i> , 2013 , 140, 4375-85	6.6	28
46	Generation of Shox2-Cre allele for tissue specific manipulation of genes in the developing heart, palate, and limb. <i>Genesis</i> , 2013 , 51, 515-22	1.9	27
45	Augmented BMPRIA-mediated BMP signaling in cranial neural crest lineage leads to cleft palate formation and delayed tooth differentiation. <i>PLoS ONE</i> , 2013 , 8, e66107	3.7	27
44	BMPRIA mediated signaling is essential for temporomandibular joint development in mice. <i>PLoS ONE</i> , 2014 , 9, e101000	3.7	26
43	Directed Bmp4 expression in neural crest cells generates a genetic model for the rare human bony syngnathia birth defect. <i>Developmental Biology</i> , 2014 , 391, 170-81	3.1	25
42	Mice with an anterior cleft of the palate survive neonatal lethality. <i>Developmental Dynamics</i> , 2008 , 237, 1509-16	2.9	24
41	An atypical canonical bone morphogenetic protein (BMP) signaling pathway regulates Msh homeobox 1 (Msx1) expression during odontogenesis. <i>Journal of Biological Chemistry</i> , 2014 , 289, 31492-502	5.4	23
40	The role of Shox2 in SAN development and function. <i>Pediatric Cardiology</i> , 2012 , 33, 882-9	2.1	23
39	FGF8 signaling sustains progenitor status and multipotency of cranial neural crest-derived mesenchymal cells in vivo and in vitro. <i>Journal of Molecular Cell Biology</i> , 2015 , 7, 441-54	6.3	22
38	Expression of SHH signaling molecules in the developing human primary dentition. <i>BMC Developmental Biology</i> , 2013 , 13, 11	3.1	22
37	The short stature homeobox 2 (Shox2)-bone morphogenetic protein (BMP) pathway regulates dorsal mesenchymal protrusion development and its temporary function as a pacemaker during cardiogenesis. <i>Journal of Biological Chemistry</i> , 2015 , 290, 2007-23	5.4	21
36	Genetic Regulation of Sinoatrial Node Development and Pacemaker Program in the Venous Pole. <i>Journal of Cardiovascular Development and Disease</i> , 2015 , 2, 282-298	4.2	18
35	Evidence for the differential regulation of Nkx-6.1 expression in the ventral spinal cord and foregut by Shh-dependent and -independent mechanisms. <i>Genesis</i> , 2000 , 27, 6-11	1.9	18
34	Altered FGF Signaling Pathways Impair Cell Proliferation and Elevation of Palate Shelves. <i>PLoS ONE</i> , 2015 , 10, e0136951	3.7	17
33	TGF-β signaling inhibits canonical BMP signaling pathway during palate development. <i>Cell and Tissue Research</i> , 2018 , 371, 283-291	4.2	16

32	Replacing Shox2 with human SHOX leads to congenital disc degeneration of the temporomandibular joint in mice. <i>Cell and Tissue Research</i> , 2014 , 355, 345-54	4.2	15
31	Expression and regulation of the chicken Nkx-6.2 homeobox gene suggest its possible involvement in the ventral neural patterning and cell fate specification. <i>Developmental Dynamics</i> , 1999 , 216, 459-68	2.9	15
30	Conditional deletion of Bmp2 in cranial neural crest cells recapitulates Pierre Robin sequence in mice. <i>Cell and Tissue Research</i> , 2019 , 376, 199-210	4.2	15
29	ISLET1-Dependent E-Catenin/Hedgehog Signaling Is Required for Outgrowth of the Lower Jaw. <i>Molecular and Cellular Biology</i> , 2017 , 37,	4.8	12
28	defines a subpopulation of pacemaker cells and is essential for the physiological function of the sinoatrial node in mice. <i>Development (Cambridge)</i> , 2019 , 146,	6.6	12
27	Expression patterns of genes critical for BMP signaling pathway in developing human primary tooth germs. <i>Histochemistry and Cell Biology</i> , 2014 , 142, 657-65	2.4	12
26	Exogenous fibroblast growth factor 8 rescues development of mouse diastemal vestigial tooth ex vivo. <i>Developmental Dynamics</i> , 2011 , 240, 1344-53	2.9	11
25	Cellular and developmental basis of orofacial clefts. <i>Birth Defects Research</i> , 2020 , 112, 1558-1587	2.9	11
24	Regrowing a tooth: in vitro and in vivo approaches. <i>Current Opinion in Cell Biology</i> , 2019 , 61, 126-131	9	10
23	A unique stylopod patterning mechanism by Shox2-controlled osteogenesis. <i>Development (Cambridge)</i> , 2016 , 143, 2548-60	6.6	10
22	Bioengineering of a human whole tooth: progress and challenge. <i>Cell Regeneration</i> , 2014 , 3, 8	2.5	10
21	Mouse embryonic diastema region is an ideal site for the development of ectopically transplanted tooth germ. <i>Developmental Dynamics</i> , 2008 , 237, 411-6	2.9	10
20	Efficient induction of functional ameloblasts from human keratinocyte stem cells. <i>Stem Cell Research and Therapy</i> , 2018 , 9, 126	8.3	9
19	Precise chronology of differentiation of developing human primary dentition. <i>Histochemistry and Cell Biology</i> , 2014 , 141, 221-7	2.4	9
18	Opposing roles of TCF7/LEF1 and TCF7L2 in cyclin D2 and Bmp4 expression and cardiomyocyte cell cycle control during late heart development. <i>Laboratory Investigation</i> , 2019 , 99, 807-818	5.9	9
17	LDL Receptor-Related Protein 6 Modulates Ret Proto-Oncogene Signaling in Renal Development and Cystic Dysplasia. <i>Journal of the American Society of Nephrology: JASN</i> , 2016 , 27, 417-27	12.7	8
16	Shox2 regulates osteogenic differentiation and pattern formation during hard palate development in mice. <i>Journal of Biological Chemistry</i> , 2019 , 294, 18294-18305	5.4	7
15	Phosphorylation of Shox2 is required for its function to control sinoatrial node formation. <i>Journal of the American Heart Association</i> , 2014 , 3, e000796	6	7

14	Overexpression of constitutively active BMP-receptor-IB in mouse skin causes an ichthyosis-vulgaris-like disease. <i>Cell and Tissue Research</i> , 2010 , 342, 401-10	4.2	7
13	Augmented Indian hedgehog signaling in cranial neural crest cells leads to craniofacial abnormalities and dysplastic temporomandibular joint in mice. <i>Cell and Tissue Research</i> , 2016 , 364, 105-15	4.2	6
12	Temporomandibular Joint Development 2013 , 71-85		5
11	Persistent Noggin arrests cardiomyocyte morphogenesis and results in early in utero lethality. <i>Developmental Dynamics</i> , 2015 , 244, 457-67	2.9	4
10	Single-cell RNA sequencing deconvolutes the heterogeneity of human bone marrow-derived mesenchymal stem cells. <i>International Journal of Biological Sciences</i> , 2021 , 17, 4192-4206	11.2	4
9	The transcriptional regulator MEIS2 sets up the ground state for palatal osteogenesis in mice. <i>Journal of Biological Chemistry</i> , 2020 , 295, 5449-5460	5.4	3
8	Olig2 regulates terminal differentiation and maturation of peripheral olfactory sensory neurons. <i>Cellular and Molecular Life Sciences</i> , 2020 , 77, 3597-3609	10.3	3
7	Exogenous FGF8 signaling in osteocytes leads to mandibular hypoplasia in mice. <i>Oral Diseases</i> , 2020 , 26, 590-596	3.5	2
6	A systematic dissection of human primary osteoblasts at single-cell resolution. <i>Aging</i> , 2021 , 13, 20629-20650	6.5	2
5	Identification and analysis of a novel bmp4 enhancer in Fugu genome. <i>Archives of Oral Biology</i> , 2015 , 60, 540-5	2.8	1
4	Conjugated activation of myocardial-specific transcription of Gja5 by a pair of Nkx2-5-Shox2 co-responsive elements. <i>Developmental Biology</i> , 2020 , 465, 79-87	3.1	1
3	The Transcription Factor Shox2 Shapes Neuron Firing Properties and Suppresses Seizures by Regulation of Key Ion Channels in Thalamocortical Neurons. <i>Cerebral Cortex</i> , 2021 , 31, 3194-3212	5.1	1
2	Reply to Kelder et al.: Does the dorsal mesenchymal protrusion act as a temporary pacemaker during heart development?. <i>Journal of Biological Chemistry</i> , 2015 , 290, 8015	5.4	
1	Wnt5a regulates directional cell migration and cell proliferation via Ror2-mediated noncanonical pathway in mammalian palatogenesis. <i>FASEB Journal</i> , 2009 , 23, 308.4	0.9	