Yanding Zhang

List of Publications by Year
in descending order

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46	1,454	394421	345221
papers	citations	19 h-index	36 g-index

47	47	47	1951
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	FGF8-mediated signaling regulates tooth developmental pace during odontogenesis. Journal of Genetics and Genomics, 2022, 49, 40-53.	3.9	4
2	Operation of the Atypical Canonical Bone Morphogenetic Protein Signaling Pathway During Early Human Odontogenesis. Frontiers in Physiology, 2022, 13, 823275.	2.8	1
3	Recurrent chromosome reshuffling and the evolution of neo-sex chromosomes in parrots. Nature Communications, 2022, 13, 944.	12.8	27
4	Tissue interactions are indispensable for cavity formation and disc separation in the temporomandibular joint. Connective Tissue Research, 2021, 62, 351-358.	2.3	1
5	Overexpression of Fgf8 in the epidermis inhibits hair follicle development. Experimental Dermatology, 2021, 30, 494-502.	2.9	6
6	Inhibition of Shh Signaling through MAPK Activation Controls Chemotherapy-Induced Alopecia. Journal of Investigative Dermatology, 2021, 141, 334-344.	0.7	14
7	PDGFRÎ±-Signaling Is Dispensable for the Development of the Sinoatrial Node After Its Fate Commitment. Frontiers in Cell and Developmental Biology, 2021, 9, 647165.	3.7	1
8	Augmented BMP4 signal impairs tongue myogenesis. Journal of Molecular Histology, 2021, 52, 651-659.	2.2	0
9	Effect of Chitosan Magnetic Nanoparticles Loaded with Ang2-siRNA Plasmids on the Growth of Melanoma Xenografts in Nude Mice . Cancer Management and Research, 2020, Volume 12, 7475-7485.	1.9	12
10	The evolutionary origin and domestication history of goldfish (Carassius auratus). Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29775-29785.	7.1	47
11	Overexpression of acetyl-CoA carboxylase increases fatty acid production in the green alga Chlamydomonas reinhardtii. Biotechnology Letters, 2019, 41, 1133-1145.	2.2	33
12	Nkx2-5 defines a subpopulation of pacemaker cells and is essential for the physiological function of the sinoatrial node in mice. Development (Cambridge), 2019, 146, .	2.5	23
13	Low temperature culture enhances ameloblastic differentiation of human keratinocyte stem cells. Journal of Molecular Histology, 2019, 50, 417-425.	2.2	3
14	Chromosome genome assembly and annotation of the yellowbelly pufferfish with PacBio and Hi-C sequencing data. Scientific Data, 2019, 6, 267.	5.3	21
15	Shox2 regulates osteogenic differentiation and pattern formation during hard palate development in mice. Journal of Biological Chemistry, 2019, 294, 18294-18305.	3.4	17
16	Expression patterns of genes critical for SHH, BMP, and FGF pathways during the lumen formation of human salivary glands. Journal of Molecular Histology, 2019, 50, 217-227.	2.2	7
17	Conditional deletion of Bmp2 in cranial neural crest cells recapitulates Pierre Robin sequence in mice. Cell and Tissue Research, 2019, 376, 199-210.	2.9	30
18	Induction of Rhesus Keratinocytes into Functional Ameloblasts by Mouse Embryonic Dental Mesenchyme. Tissue Engineering and Regenerative Medicine, 2018, 15, 173-181.	3.7	2

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19	Efficient induction of functional ameloblasts from human keratinocyte stem cells. Stem Cell Research and Therapy, 2018, 9, 126.	5.5	16
20	A unique stylopod patterning mechanism by Shox2 controlled osteogenesis. Development (Cambridge), 2016, 143, 2548-60.	2.5	15
21	Genetic Regulation of Sinoatrial Node Development and Pacemaker Program in the Venous Pole. Journal of Cardiovascular Development and Disease, 2015, 2, 282-298.	1.6	26
22	FGF8 signaling sustains progenitor status and multipotency of cranial neural crest-derived mesenchymal cellsin vivoandin vitro. Journal of Molecular Cell Biology, 2015, 7, 441-454.	3.3	28
23	A common Shox2-Nkx2-5 antagonistic mechanism primes the pacemaking cell fate in the pulmonary vein myocardium and sinoatrial node. Development (Cambridge), 2015, 142, 2521-32.	2.5	105
24	Expression profile of critical genes involved in FGF signaling pathway in the developing human primary dentition. Histochemistry and Cell Biology, 2015, 144, 457-469.	1.7	15
25	Genome-wide analysis of gene expression in human embryonic tooth germ. Journal of Molecular Histology, 2014, 45, 609-617.	2.2	11
26	Expression patterns of genes critical for BMP signaling pathway in developing human primary tooth germs. Histochemistry and Cell Biology, 2014, 142, 657-665.	1.7	18
27	Phosphorylation of Shox2 Is Required for Its Function to Control Sinoatrial Node Formation. Journal of the American Heart Association, 2014, 3, e000796.	3.7	16
28	Directed Bmp4 expression in neural crest cells generates a genetic model for the rare human bony syngnathia birth defect. Developmental Biology, 2014, 391, 170-181.	2.0	39
29	Expression of codon optimized human bone morphogenetic protein 4 in Pichia pastoris. Biotechnology and Applied Biochemistry, 2014, 61, 175-183.	3.1	13
30	Evidence for A1 and A3 receptors mediating adenosine-induced intracellular calcium release in the dorsal root ganglion neurons by using confocal microscopy imaging. Lasers in Medical Science, 2014, 29, 1209-1215.	2.1	5
31	Precise chronology of differentiation of developing human primary dentition. Histochemistry and Cell Biology, 2014, 141, 221-227.	1.7	12
32	Expression patterns of WNT/Î²-CATENIN signaling molecules during human tooth development. Journal of Molecular Histology, 2014, 45, 487-496.	2.2	47
33	Bioengineering of a human whole tooth: progress and challenge. Cell Regeneration, 2014, 3, 3:8.	2.6	15
34	Expression of SHH signaling molecules in the developing human primary dentition. BMC Developmental Biology, 2013, 13, 11.	2.1	28
35	FGF signaling sustains the odontogenic fate of dental mesenchyme by suppressing Î²-catenin signaling. Development (Cambridge), 2013, 140, 4375-4385.	2.5	34
36	The effect of composition of calcium phosphate composite scaffolds on the formation of tooth tissue from human dental pulp stem cells. Biomaterials, 2011, 32, 7053-7059.	11.4	109

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37	Exogenous fibroblast growth factor 8 rescues development of mouse diastemal vestigial tooth ex vivo. Developmental Dynamics, 2011, 240, 1344-1353.	1.8	13
38	Expression of SHH signaling pathway components in the developing human lung. Histochemistry and Cell Biology, 2010, 134, 327-335.	1.7	35
39	Induction of human keratinocytes into enamel-secreting ameloblasts. Developmental Biology, 2010, 344, 795-799.	2.0	48
40	Expression survey of genes critical for tooth development in the human embryonic tooth germ. Developmental Dynamics, 2007, 236, 1307-1312.	1.8	53
41	Application of lentivirus-mediated RNAi in studying gene function in mammalian tooth development. Developmental Dynamics, 2006, 235, 1347-1357.	1.8	52
42	Shox2-deficient mice exhibit a rare type of incomplete clefting of the secondary palate. Development (Cambridge), 2005, 132, 4397-4406.	2.5	133
43	Timing of odontogenic neural crest cell migration and tooth-forming capability in mice. Developmental Dynamics, 2003, 226, 713-718.	1.8	41
44	Antagonistic Signals between BMP4 and FGF8 Define the Expression of Pitx1 and Pitx2 in Mouse Tooth-Forming Anlage. Developmental Biology, 2000, 217, 323-332.	2.0	183
45	Msx1 is required for the induction ofPatched bySonic hedgehog in the mammalian tooth germ. Developmental Dynamics, 1999, 215, 45-53.	1.8	76
46	Expression and regulation of the chickenNkx-6.2 homeobox gene suggest its possible involvement in the ventral neural patterning and cell fate specification. , 1999, 216, 459-468.		19