

Zhipeng Fan

List of Publications by Year in descending order

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101
papers

4,499
citations

145106

33
h-index

129628

63
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104
all docs

104
docs citations

104
times ranked

5869
citing authors

#	ARTICLE	IF	CITATIONS
1	The cannabinoid receptor 1 (CB1) enhanced the osteogenic differentiation of BMSCs by rescue impaired mitochondrial metabolism function under inflammatory condition. <i>Stem Cell Research and Therapy</i> , 2022, 13, 22.	2.4	8
2	PRMT6/LMNA/CXCL12 signaling pathway regulated the osteo/odontogenic differentiation ability in dental stem cells isolated from apical papilla. <i>Cell and Tissue Research</i> , 2022, 389, 187-199.	1.5	2
3	The functional extracellular matrix on the regulation of odontogenic differentiation of stem cells. , 2022, 1, .		1
4	The role of the Wnt signalling pathway in the energy metabolism of bone remodelling. <i>Cell Proliferation</i> , 2022, 55, .	2.4	5
5	SFRP2 enhances dental pulp stem cell-mediated dentin regeneration in rabbit jaw. <i>Oral Diseases</i> , 2021, 27, 1738-1746.	1.5	4
6	Pleiotropin enhances the osteo/dentinogenic differentiation potential of dental pulp stem cells. <i>Connective Tissue Research</i> , 2021, 62, 495-507.	1.1	9
7	GREM1 inhibits osteogenic differentiation, senescence and BMP transcription of adipose-derived stem cells. <i>Connective Tissue Research</i> , 2021, 62, 325-336.	1.1	16
8	miR-196b-5p inhibits proliferation of Wharton's jelly umbilical cord stem cells. <i>FEBS Open Bio</i> , 2021, 11, 278-288.	1.0	6
9	The role and mechanism of mitochondrial functions and energy metabolism in the function regulation of the mesenchymal stem cells. <i>Stem Cell Research and Therapy</i> , 2021, 12, 140.	2.4	53
10	The role and mechanisms of polycomb repressive complex 2 on the regulation of osteogenic and neurogenic differentiation of stem cells. <i>Cell Proliferation</i> , 2021, 54, e13032.	2.4	12
11	lncRNA HHIP-AS1 Promotes the Osteogenic Differentiation Potential and Inhibits the Migration Ability of Periodontal Ligament Stem Cells. <i>Stem Cells International</i> , 2021, 2021, 1-12.	1.2	7
12	miR-6807-5p Inhibited the Odontogenic Differentiation of Human Dental Pulp Stem Cells Through Directly Targeting METTL7A. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 759192.	1.8	6
13	lncRNA, <i>PLXDC2-OT</i> Promoted the Osteogenesis Potentials of MSCs by Inhibiting the Deacetylation Function of RBM6/SIRT7 Complex and <i>OSX</i> Specific Isoform. <i>Stem Cells</i> , 2021, 39, 1049-1066.	1.4	13
14	miR-140-3p enhanced the osteo/odontogenic differentiation of DPSCs via inhibiting KMT5B under hypoxia condition. <i>International Journal of Oral Science</i> , 2021, 13, 41.	3.6	11
15	Depletion of PRDM9 enhances proliferation, migration and chemotaxis potentials in human periodontal ligament stem cells. <i>Connective Tissue Research</i> , 2020, 61, 498-508.	1.1	9
16	Regeneration characteristics of different dental derived stem cell sheets. <i>Journal of Oral Rehabilitation</i> , 2020, 47, 66-72.	1.3	37
17	IGF2 enhanced the osteo/dentinogenic and neurogenic differentiation potentials of stem cells from apical papilla. <i>Journal of Oral Rehabilitation</i> , 2020, 47, 55-65.	1.3	11
18	SFRP2 promotes stem cells from apical papilla-mediated periodontal tissue regeneration in miniature pig. <i>Journal of Oral Rehabilitation</i> , 2020, 47, 12-18.	1.3	14

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19	Secreted frizzled-related protein 2 promotes the osteo/odontogenic differentiation and paracrine potentials of stem cells from apical papilla under inflammation and hypoxia conditions. <i>Cell Proliferation</i> , 2020, 53, e12694.	2.4	23
20	Biomechanical stress regulates mammalian tooth replacement via the integrin β 1-RUNX2-Wnt pathway. <i>EMBO Journal</i> , 2020, 39, e102374.	3.5	25
21	The Histone Demethylase KDM3B Promotes Osteo-/Odontogenic Differentiation, Cell Proliferation, and Migration Potential of Stem Cells from the Apical Papilla. <i>Stem Cells International</i> , 2020, 2020, 1-14.	1.2	12
22	Depletion of SNRNP200 inhibits the osteo-/dentinogenic differentiation and cell proliferation potential of stem cells from the apical papilla. <i>BMC Developmental Biology</i> , 2020, 20, 22.	2.1	5
23	Homeobox C8 inhibited the osteo-/dentinogenic differentiation and migration ability of stem cells of the apical papilla via activating KDM1A. <i>Journal of Cellular Physiology</i> , 2020, 235, 8432-8445.	2.0	15
24	Depletion of ID3 enhances mesenchymal stem cells therapy by targeting BMP4 in Sjögren's syndrome. <i>Cell Death and Disease</i> , 2020, 11, 172.	2.7	10
25	DLX5 and HOXC8 enhance the chondrogenic differentiation potential of stem cells from apical papilla via LINC01013. <i>Stem Cell Research and Therapy</i> , 2020, 11, 271.	2.4	22
26	IGFBP5 enhances the dentinogenesis potential of dental pulp stem cells via JNK and Erk signalling pathways. <i>Journal of Oral Rehabilitation</i> , 2020, 47, 1557-1565.	1.3	17
27	FAM96B inhibits the senescence of dental pulp stem cells. <i>Cell Biology International</i> , 2020, 44, 1193-1203.	1.4	12
28	Epiregulin promotes osteogenic differentiation and inhibits neurogenic transdifferentiation of adipose-derived mesenchymal stem cells via MAPKs pathway. <i>Cell Biology International</i> , 2020, 44, 1046-1058.	1.4	9
29	miR-4651 inhibits cell proliferation of gingival mesenchymal stem cells by inhibiting HMGA2 under nifedipine treatment. <i>International Journal of Oral Science</i> , 2020, 12, 10.	3.6	6
30	CB1 enhanced the osteo/dentinogenic differentiation ability of periodontal ligament stem cells via p38 MAPK and JNK in an inflammatory environment. <i>Cell Proliferation</i> , 2019, 52, e12691.	2.4	41
31	Dynamic mRNA Expression Analysis of the Secondary Palatal Morphogenesis in Miniature Pigs. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4284.	1.8	6
32	Tracking diphyodont development in miniature pig in vitro and in vivo. <i>Biology Open</i> , 2019, 8, .	0.6	8
33	The miR-3940-5p inhibits cell proliferation of gingival mesenchymal stem cells. <i>Oral Diseases</i> , 2019, 25, 1363-1373.	1.5	7
34	Analysis of the characteristics and expression profiles of coding and noncoding RNAs of human dental pulp stem cells in hypoxic conditions. <i>Stem Cell Research and Therapy</i> , 2019, 10, 89.	2.4	19
35	AP2a enhanced the osteogenic differentiation of mesenchymal stem cells by inhibiting the formation of YAP/RUNX2 complex and BARX1 transcription. <i>Cell Proliferation</i> , 2019, 52, e12522.	2.4	37
36	Whole-Tooth Regeneration by Allogeneic Cell Reassociation in Pig Jawbone. <i>Tissue Engineering - Part A</i> , 2019, 25, 1202-1212.	1.6	19

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37	Maintained Properties of Aged Dental Pulp Stem Cells for Superior Periodontal Tissue Regeneration. , 2019, 10, 793.		42
38	Distal-less homeobox 5 promotes the osteo-/dentinogenic differentiation potential of stem cells from apical papilla by activating histone demethylase KDM4B through a positive feedback mechanism. Experimental Cell Research, 2019, 374, 221-230.	1.2	22
39	KDM1A regulated the osteo/dentinogenic differentiation process of the stem cells of the apical papilla via binding withÂPLOD2. Cell Proliferation, 2018, 51, e12459.	2.4	18
40	Inorganic nitrate alleviates the senescence-related decline in liver function. Science China Life Sciences, 2018, 61, 24-34.	2.3	22
41	Depletion of HOXA5 inhibits the osteogenic differentiation and proliferation potential of stem cells from the apical papilla. Cell Biology International, 2018, 42, 45-52.	1.4	8
42	Cover Image, Volume 51, Issue 4. Cell Proliferation, 2018, 51, e12512.	2.4	1
43	Genome-Wide DNA Methylation Analysis during Osteogenic Differentiation of Human Bone Marrow Mesenchymal Stem Cells. Stem Cells International, 2018, 2018, 1-11.	1.2	16
44	Mandible exosomal ssc-mir-133b regulates tooth development in miniature swine via endogenous apoptosis. Bone Research, 2018, 6, 28.	5.4	15
45	Epiregulin promotes the migration and chemotaxis ability of adiposeâ€derived mesenchymal stem cells via mitogenâ€activated protein kinase signaling pathways. Journal of Cellular Biochemistry, 2018, 119, 8450-8459.	1.2	13
46	The cell reâ€associationâ€based wholeâ€tooth regeneration strategies in large animal, <i>Sus scrofa</i>. Cell Proliferation, 2018, 51, e12479.	2.4	27
47	Local Injection of Allogeneic Stem Cells from Apical Papilla Enhanced Periodontal Tissue Regeneration in Minipig Model of Periodontitis. BioMed Research International, 2018, 2018, 1-8.	0.9	22
48	Local icariin application enhanced periodontal tissue regeneration and relieved local inflammation in a minipig model of periodontitis. International Journal of Oral Science, 2018, 10, 19.	3.6	20
49	Analysis of gene expression profiles between apical papilla tissues, stem cells from apical papilla and cell sheet to identify the key modulators in <scp>MSC</scp>s niche. Cell Proliferation, 2017, 50, .	2.4	20
50	SFRP2 enhanced the adipogenic and neuronal differentiation potentials of stem cells from apical papilla. Cell Biology International, 2017, 41, 534-543.	1.4	21
51	Differential long noncoding RNA/mRNA expression profiling and functional network analysis during osteogenic differentiation of human bone marrow mesenchymal stem cells. Stem Cell Research and Therapy, 2017, 8, 30.	2.4	112
52	Homeobox C10 inhibits the osteogenic differentiation potential of mesenchymal stem cells. Connective Tissue Research, 2017, 59, 1-11.	1.1	8
53	A Comprehensive Study of Palate Development in Miniature Pig. Anatomical Record, 2017, 300, 1409-1419.	0.8	9
54	Analysis of Senescence-Related Differentiation Potentials and Gene Expression Profiles in Human Dental Pulp Stem Cells. Cells Tissues Organs, 2017, 203, 1-11.	1.3	60

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55	Transcriptome analysis of coding and long non-coding RNAs highlights the regulatory network of cascade initiation of permanent molars in miniature pigs. BMC Genomics, 2017, 18, 148.	1.2	24
56	Decellularized Swine Dental Pulp as a Bioscaffold for Pulp Regeneration. BioMed Research International, 2017, 2017, 1-9.	0.9	43
57	IGFBP2 enhances adipogenic differentiation potentials of mesenchymal stem cells from Wharton's jelly of the umbilical cord via JNK and Akt signaling pathways. PLoS ONE, 2017, 12, e0184182.	1.1	23
58	Local application of IGFBP5 protein enhanced periodontal tissue regeneration via increasing the migration, cell proliferation and osteo/dentinogenic differentiation of mesenchymal stem cells in an inflammatory niche. Stem Cell Research and Therapy, 2017, 8, 210.	2.4	59
59	Depletion of SHANK2 inhibited the osteo/dentinogenic differentiation potentials of stem cells from apical papilla. Histology and Histopathology, 2017, 32, 471-479.	0.5	3
60	Demethylation of <i>SFRP2</i> by histone demethylase <i>KDM2A</i> regulated osteo/dentinogenic differentiation of stem cells of the apical papilla. Cell Proliferation, 2016, 49, 330-340.	2.4	42
61	Genome-wide DNA methylation profile of developing deciduous tooth germ in miniature pigs. BMC Genomics, 2016, 17, 134.	1.2	23
62	Periodontal regeneration in swine after cell injection and cell sheet transplantation of human dental pulp stem cells following good manufacturing practice. Stem Cell Research and Therapy, 2016, 7, 130.	2.4	92
63	<i>IGFBP5</i> enhances osteogenic differentiation potential of periodontal ligament stem cells and Wharton's jelly umbilical cord stem cells, <i>via</i> the <i>JNK</i> and <i>MEK/Erk</i> signalling pathways. Cell Proliferation, 2016, 49, 618-627.	2.4	37
64	Identification of differential microRNA expression during tooth morphogenesis in the heterodont dentition of miniature pigs, <i>Sus Scrofa</i> . BMC Developmental Biology, 2015, 15, 51.	2.1	11
65	Adenovirus-mediated transfer of hepatocyte growth factor gene to human dental pulp stem cells under good manufacturing practice improves their potential for periodontal regeneration in swine. Stem Cell Research and Therapy, 2015, 6, 249.	2.4	62
66	miR-21 Modulates the Immunoregulatory Function of Bone Marrow Mesenchymal Stem Cells Through the PTEN/Akt/TGF- β 1 Pathway. Stem Cells, 2015, 33, 3281-3290.	1.4	49
67	Enriched Trimethylation of Lysine 4 of Histone H3 of WDR63 Enhanced Osteogenic Differentiation Potentials of Stem Cells from Apical Papilla. Journal of Endodontics, 2015, 41, 205-211.	1.4	9
68	Demethylation of <i>IGFBP5</i> by Histone Demethylase <i>KDM6B</i> Promotes Mesenchymal Stem Cell-Mediated Periodontal Tissue Regeneration by Enhancing Osteogenic Differentiation and Anti-Inflammation Potentials. Stem Cells, 2015, 33, 2523-2536.	1.4	60
69	Depletion of MEIS2 inhibits osteogenic differentiation potential of human dental stem cells. International Journal of Clinical and Experimental Medicine, 2015, 8, 7220-30.	1.3	5
70	Comparative Analysis of Proliferation and Differentiation Potentials of Stem Cells from Inflamed Pulp of Deciduous Teeth and Stem Cells from Exfoliated Deciduous Teeth. BioMed Research International, 2014, 2014, 1-12.	0.9	25
71	Comparison of Long Noncoding RNA and mRNA Expression Profiles in Mesenchymal Stem Cells Derived from Human Periodontal Ligament and Bone Marrow. BioMed Research International, 2014, 2014, 1-12.	0.9	21
72	Effects of Canonical NF- κ B Signaling Pathway on the Proliferation and Odonto/Osteogenic Differentiation of Human Stem Cells from Apical Papilla. BioMed Research International, 2014, 2014, 1-12.	0.9	39

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73	Allogeneic Stem Cells From Deciduous Teeth in Treatment for Periodontitis in Miniature Swine. <i>Journal of Periodontology</i> , 2014, 85, 845-851.	1.7	62
74	Stage-specific differential gene expression profiling and functional network analysis during morphogenesis of diphyodont dentition in miniature pigs, <i>Sus Scrofa</i> . <i>BMC Genomics</i> , 2014, 15, 103.	1.2	21
75	Spatial and temporal expression of c-Kit in the development of the murine submandibular gland. <i>Journal of Molecular Histology</i> , 2014, 45, 381-389.	1.0	9
76	Construction of a cDNA library for miniature pig mandibular deciduous molars. <i>BMC Developmental Biology</i> , 2014, 14, 16.	2.1	18
77	Shh signaling, negatively regulated by BMP signaling, inhibits the osteo/dentinogenic differentiation potentials of mesenchymal stem cells from apical papilla. <i>Molecular and Cellular Biochemistry</i> , 2013, 383, 85-93.	1.4	19
78	Depletion of histone demethylase KDM2A inhibited cell proliferation of stem cells from apical papilla by de-repression of p15INK4B and p27Kip1. <i>Molecular and Cellular Biochemistry</i> , 2013, 379, 115-122.	1.4	47
79	Estrogen deficiency inhibits the odonto/osteogenic differentiation of dental pulp stem cells via activation of the NF- κ B pathway. <i>Cell and Tissue Research</i> , 2013, 352, 551-559.	1.5	48
80	Depletion of histone demethylase KDM2A enhanced the adipogenic and chondrogenic differentiation potentials of stem cells from apical papilla. <i>Experimental Cell Research</i> , 2013, 319, 2874-2882.	1.2	52
81	GDFs promote tenogenic characteristics on human periodontal ligament-derived cells in culture at late passages. <i>Growth Factors</i> , 2013, 31, 165-173.	0.5	13
82	Active secretion and protective effect of salivary nitrate against stress in human volunteers and rats. <i>Free Radical Biology and Medicine</i> , 2013, 57, 61-67.	1.3	45
83	Functional Tooth Restoration by Allogeneic Mesenchymal Stem Cell-Based Bio-Root Regeneration in Swine. <i>Stem Cells and Development</i> , 2013, 22, 1752-1762.	1.1	128
84	Analysis of Differentiation Potentials and Gene Expression Profiles of Mesenchymal Stem Cells Derived from Periodontal Ligament and Wharton's Jelly of the Umbilical Cord. <i>Cells Tissues Organs</i> , 2013, 197, 209-223.	1.3	39
85	Demethylation of Epiregulin Gene by Histone Demethylase FBXL11 and BCL6 Corepressor Inhibits Osteo/dentinogenic Differentiation. <i>Stem Cells</i> , 2013, 31, 126-136.	1.4	67
86	Periodontal Ligament Stem Cells Regulate B Lymphocyte Function via Programmed Cell Death Protein 1. <i>Stem Cells</i> , 2013, 31, 1371-1382.	1.4	77
87	Sialin (<i>SLC17A5</i>) functions as a nitrate transporter in the plasma membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13434-13439.	3.3	152
88	Mesenchymal Stromal Cell-Based Treatment of Jaw Osteoradionecrosis in Swine. <i>Cell Transplantation</i> , 2012, 21, 1679-1686.	1.2	25
89	Allogeneic mesenchymal stem cell treatment alleviates experimental and clinical Sjögren syndrome. <i>Blood</i> , 2012, 120, 3142-3151.	0.6	238
90	Mesenchymal stem cells derived from inflamed periodontal ligaments exhibit impaired immunomodulation. <i>Journal of Clinical Periodontology</i> , 2012, 39, 1174-1182.	2.3	127

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91	Histone Demethylases KDM4B and KDM6B Promotes Osteogenic Differentiation of Human MSCs. <i>Cell Stem Cell</i> , 2012, 11, 50-61.	5.2	264
92	MicroRNAome and Expression Profile of Developing Tooth Germ in Miniature Pigs. <i>PLoS ONE</i> , 2012, 7, e52256.	1.1	23
93	Vitamin C treatment promotes mesenchymal stem cell sheet formation and tissue regeneration by elevating telomerase activity. <i>Journal of Cellular Physiology</i> , 2012, 227, 3216-3224.	2.0	203
94	Insulin-like growth factor 1 enhances the proliferation and osteogenic differentiation of human periodontal ligament stem cells via ERK and JNK MAPK pathways. <i>Histochemistry and Cell Biology</i> , 2012, 137, 513-525.	0.8	119
95	Different expression patterns of Gli1 in mouse embryonic maxillofacial development. <i>Acta Histochemica</i> , 2012, 114, 620-625.	0.9	9
96	Insulin-like growth factor 1 can promote the osteogenic differentiation and osteogenesis of stem cells from apical papilla. <i>Stem Cell Research</i> , 2012, 8, 346-356.	0.3	110
97	Expression of Dpp6 in mouse embryonic craniofacial development. <i>Acta Histochemica</i> , 2011, 113, 636-639.	0.9	8
98	Allogeneic Periodontal Ligament Stem Cell Therapy for Periodontitis in Swine. <i>Stem Cells</i> , 2010, 28, 1829-1838.	1.4	321
99	A susceptibility locus on 1p32-p34 for congenital macrostomia in a Chinese family and identification of a novel <i>PTCH2</i> mutation. <i>American Journal of Medical Genetics, Part A</i> , 2009, 149A, 521-524.	0.7	8
100	BCOR regulates mesenchymal stem cell function by epigenetic mechanisms. <i>Nature Cell Biology</i> , 2009, 11, 1002-1009.	4.6	231
101	Inhibition of osteoblastic bone formation by nuclear factor- κ B. <i>Nature Medicine</i> , 2009, 15, 682-689.	15.2	416