Yan Jin

List of Publications by Year in Descending Order

204 papers	9,151 citations	57 h-index	85 g-index
228 ext. papers	10,967 ext. citations	7.3 avg, IF	6.19 L-index

#	Paper	IF	Citations
204	Engineered neutrophil apoptotic bodies ameliorate myocardial infarction by promoting macrophage efferocytosis and inflammation resolution. *Bioactive Materials*, **2022**, 9, 183-197	16.7	7
203	Sympathetic Neurostress Drives Osteoblastic Exosomal MiR-21 Transfer to Disrupt Bone Homeostasis and Promote Osteopenia.. *Small Methods*, **2022**, 6, e2100763	12.8	3
202	Naphthalenephenylalanine-phenylalanine-glycine-arginine-glycine-aspartic promotes self-assembly of nephron progenitor cells in decellularized scaffolds to construct bioengineered kidneys.. *Materials Science and Engineering C*, **2021**, 112590	8.3	0
201	Odontogenesis-related developmental microenvironment facilitates deciduous dental pulp stem cell aggregates to revitalize an avulsed tooth. *Biomaterials*, **2021**, 279, 121223	15.6	3
200	Modular immune-homeostatic microparticles promote immune tolerance in mouse autoimmune models. *Science Translational Medicine*, **2021**, 13,	17.5	10
199	Mesenchymal stromal cell-mediated immune regulation: A promising remedy in the therapy of type 2 diabetes mellitus. *Stem Cells*, **2021**, 39, 838-852	5.8	6
198	Apoptotic vesicles restore liver macrophage homeostasis to counteract type 2 diabetes. *Journal of Extracellular Vesicles*, **2021**, 10, e12109	16.4	14
197	SHED aggregate exosomes shuttled miR-26a promote angiogenesis in pulp regeneration via TGF-β/SMAD2/3 signalling. *Cell Proliferation*, **2021**, 54, e13074	7.9	10
196	Advancing application of mesenchymal stem cell-based bone tissue regeneration. *Bioactive Materials*, **2021**, 6, 666-683	16.7	52
195	Gli1 Cells Residing in Bone Sutures Respond to Mechanical Force via IPR to Mediate Osteogenesis. *Stem Cells International*, **2021**, 2021, 8138374	5	0
194	On-demand manipulation of tumorigenic microenvironments by nano-modulator for synergistic tumor therapy. *Biomaterials*, **2021**, 275, 120956	15.6	10
193	Exosomes Regulate Interclonal Communication on Osteogenic Differentiation Among Heterogeneous Osteogenic Single-Cell Clones Through PINK1/Parkin-Mediated Mitophagy. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 687258	5.7	3
192	T cell-depleting nanoparticles ameliorate bone loss by reducing activated T cells and regulating the Treg/Th17 balance. *Bioactive Materials*, **2021**, 6, 3150-3163	16.7	9
191	Mesenchymal Stem Cells Enhance Therapeutic Effect and Prevent Adverse Gastrointestinal Reaction of Methotrexate Treatment in Collagen-Induced Arthritis. *Stem Cells International*, **2021**, 2021, 8850820	5	3
190	Nanorepairers Rescue Inflammation-Induced Mitochondrial Dysfunction in Mesenchymal Stem Cells. *Advanced Science*, **2021**, e2103839	13.6	4
189	Treatment of infarcted heart tissue via the capture and local delivery of circulating exosomes through antibody-conjugated magnetic nanoparticles. *Nature Biomedical Engineering*, **2020**, 4, 1063-1075	19	46
188	Mechanosensing by Gli1 cells contributes to the orthodontic force-induced bone remodelling. *Cell Proliferation*, **2020**, 53, e12810	7.9	10

187	Exosomes released from educated mesenchymal stem cells accelerate cutaneous wound healing via promoting angiogenesis. *Cell Proliferation*, **2020**, 53, e12830	7.9	30
186	Impaired autophagy triggered by HDAC9 in mesenchymal stem cells accelerates bone mass loss. *Stem Cell Research and Therapy*, **2020**, 11, 269	8.3	5
185	Donor MSCs release apoptotic bodies to improve myocardial infarction via autophagy regulation in recipient cells. *Autophagy*, **2020**, 16, 2140-2155	10.2	34
184	Ionomycin ameliorates hypophosphatasia via rescuing alkaline phosphatase deficiency-mediated L-type Ca channel internalization in mesenchymal stem cells. *Bone Research*, **2020**, 8, 19	13.3	4
183	Mesenchymal stem cells as a potential treatment for critically ill patients with coronavirus disease 2019. *Stem Cells Translational Medicine*, **2020**, 9, 813-814	6.9	26
182	Epigenetic Regulation of Mesenchymal Stem Cell Homeostasis. *Trends in Cell Biology*, **2020**, 30, 97-116	18.3	27
181	Circulating microRNAs in serum as novel biomarkers for osteoporosis: a case-control study. *Therapeutic Advances in Musculoskeletal Disease*, **2020**, 12, 1759720X20953331	3.8	5
180	Substrate-independent polymer coating with stimuli-responsive dexamethasone release for on-demand fibrosis inhibition. *Journal of Materials Chemistry B*, **2020**, 8, 7777-7784	7.3	2
179	Apoptotic bodies derived from mesenchymal stem cells promote cutaneous wound healing via regulating the functions of macrophages. *Stem Cell Research and Therapy*, **2020**, 11, 507	8.3	21
178	Oxygen carrier in core-shell fibers synthesized by coaxial electrospinning enhances Schwann cell survival and nerve regeneration. *Theranostics*, **2020**, 10, 8957-8973	12.1	5
177	SHED promote angiogenesis in stem cell-mediated dental pulp regeneration. *Biochemical and Biophysical Research Communications*, **2020**, 529, 1158-1164	3.4	12
176	Chimeric apoptotic bodies functionalized with natural membrane and modular delivery system for inflammation modulation. *Science Advances*, **2020**, 6, eaba2987	14.3	33
175	Gli1 Cells Couple with Type H Vessels and Are Required for Type H Vessel Formation. *Stem Cell Reports*, **2020**, 15, 110-124	8	11
174	Mitochondrial Regulation of Stem Cells in Bone Homeostasis. *Trends in Molecular Medicine*, **2020**, 26, 89-104	11.5	24
173	MSC-Derived Exosome Promotes M2 Polarization and Enhances Cutaneous Wound Healing. *Stem Cells International*, **2019**, 2019, 7132708	5	107
172	Ca 1.2 regulates osteogenesis of bone marrow-derived mesenchymal stem cells via canonical Wnt pathway in age-related osteoporosis. *Aging Cell*, **2019**, 18, e12967	9.9	13
171	Dental stem cell and dental tissue regeneration. *Frontiers of Medicine*, **2019**, 13, 152-159	12	49
170	Stem cell-based bone and dental regeneration: a view of microenvironmental modulation. *International Journal of Oral Science*, **2019**, 11, 23	27.9	89

169	Circular RNA circ_0102049 promotes cell progression as ceRNA to target MDM2 via sponging miR-1304-5p in osteosarcoma. *Pathology Research and Practice*, **2019**, 215, 152688	3.4	19
168	Comparison of therapeutic effects of different mesenchymal stem cells on rheumatoid arthritis in mice. *PeerJ*, **2019**, 7, e7023	3.1	21
167	Tooth and Dental Pulp Regeneration **2019**, 367-392		2
166	Stem cell-based bone regeneration in diseased microenvironments: Challenges and solutions. *Biomaterials*, **2019**, 196, 18-30	15.6	61
165	Reconstruction of Regenerative Stem Cell Niche by Cell Aggregate Engineering. *Methods in Molecular Biology*, **2019**, 2002, 87-99	1.4	3
164	PD-1 is required to maintain stem cell properties in human dental pulp stem cells. *Cell Death and Differentiation*, **2018**, 25, 1350-1360	12.7	20
163	Activation of the Wnt/β-Catenin Pathway by an Inflammatory Microenvironment Affects the Myogenic Differentiation Capacity of Human Laryngeal Mucosa Mesenchymal Stromal Cells. *Stem Cells and Development*, **2018**, 27, 771-782	4.4	5
162	Epigenetic inhibition of Wnt pathway suppresses osteogenic differentiation of BMSCs during osteoporosis. *Cell Death and Disease*, **2018**, 9, 176	9.8	69
161	Mutual inhibition between HDAC9 and miR-17 regulates osteogenesis of human periodontal ligament stem cells in inflammatory conditions. *Cell Death and Disease*, **2018**, 9, 480	9.8	26
160	Reconstruction of structure and function in tissue engineering of solid organs: Toward simulation of natural development based on decellularization. *Journal of Tissue Engineering and Regenerative Medicine*, **2018**, 12, 1432-1447	4.4	26
159	Adipose mesenchymal stem cells from osteoporotic donors preserve functionality and modulate systemic inflammatory microenvironment in osteoporotic cytotherapy. *Scientific Reports*, **2018**, 8, 5215	4.9	19
158	Resveratrol counteracts bone loss via mitofilin-mediated osteogenic improvement of mesenchymal stem cells in senescence-accelerated mice. *Theranostics*, **2018**, 8, 2387-2406	12.1	60
157	Dental Stem Cells and Tooth Regeneration. *Advances in Experimental Medicine and Biology*, **2018**, 1107, 41-52	3.6	11
156	Mesenchymal stem cells and extracellular matrix scaffold promote muscle regeneration by synergistically regulating macrophage polarization toward the M2 phenotype. *Stem Cell Research and Therapy*, **2018**, 9, 88	8.3	57
155	Deciduous autologous tooth stem cells regenerate dental pulp after implantation into injured teeth. *Science Translational Medicine*, **2018**, 10,	17.5	172
154	Redundant let-7a suppresses the immunomodulatory properties of BMSCs by inhibiting the Fas/FasL system in osteoporosis. *FASEB Journal*, **2018**, 32, 1982-1992	0.9	5
153	Autophagy controls mesenchymal stem cell properties and senescence during bone aging. *Aging Cell*, **2018**, 17, e12709	9.9	151
152	Alkaline Phosphatase Controls Lineage Switching of Mesenchymal Stem Cells by Regulating the LRP6/GSK3β Complex in Hypophosphatasia. *Theranostics*, **2018**, 8, 5575-5592	12.1	13

151	Gender-independent efficacy of mesenchymal stem cell therapy in sex hormone-deficient bone loss via immunosuppression and resident stem cell recovery. *Experimental and Molecular Medicine*, **2018**, 50, 1-14	12.8	25
150	Immobilization of heparin on decellularized kidney scaffold to construct microenvironment for antithrombosis and inducing reendothelialization. *Science China Life Sciences*, **2018**, 61, 1168-1177	8.5	8
149	NDRG2 suppression as a molecular hallmark of photoreceptor-specific cell death in the mouse retina. *Cell Death Discovery*, **2018**, 4, 32	6.9	3
148	A standardized quantitative method for detecting remnant alpha-Gal antigen in animal tissues or animal tissue-derived biomaterials and its application. *Scientific Reports*, **2018**, 8, 15424	4.9	8
147	prevents bone ageing sensitivity by specifically regulating senescence and differentiation in mesenchymal stem cells. *Bone Research*, **2018**, 6, 27	13.3	26
146	Resveratrol enhances the functionality and improves the regeneration of mesenchymal stem cell aggregates. *Experimental and Molecular Medicine*, **2018**, 50, 1-15	12.8	13
145	Tissue-specific composite cell aggregates drive periodontium tissue regeneration by reconstructing a regenerative microenvironment. *Journal of Tissue Engineering and Regenerative Medicine*, **2017**, 11, 1792-1805	4.4	13
144	Jawbone microenvironment promotes periodontium regeneration by regulating the function of periodontal ligament stem cells. *Scientific Reports*, **2017**, 7, 40088	4.9	12
143	Knockdown of MicroRNA Let-7a Improves the Functionality of Bone Marrow-Derived Mesenchymal Stem Cells in Immunotherapy. *Molecular Therapy*, **2017**, 25, 480-493	11.7	28
142	miR-21 deficiency inhibits osteoclast function and prevents bone loss in mice. *Scientific Reports*, **2017**, 7, 43191	4.9	71
141	Recipient Glycemic Micro-environments Govern Therapeutic Effects of Mesenchymal Stem Cell Infusion on Osteopenia. *Theranostics*, **2017**, 7, 1225-1244	12.1	26
140	Tumor necrosis factor-suppresses adipogenic and osteogenic differentiation of human periodontal ligament stem cell by inhibiting miR-21/Spry1 functional axis. *Differentiation*, **2017**, 97, 33-43	3.5	30
139	Anti-aging pharmacology in cutaneous wound healing: effects of metformin, resveratrol, and rapamycin by local application. *Aging Cell*, **2017**, 16, 1083-1093	9.9	92
138	Declining histone acetyltransferase GCN5 represses BMSC-mediated angiogenesis during osteoporosis. *FASEB Journal*, **2017**, 31, 4422-4433	0.9	31
137	Osthole improves function of periodontitis periodontal ligament stem cells via epigenetic modification in cell sheets engineering. *Scientific Reports*, **2017**, 7, 5254	4.9	20
136	Liver extracellular matrix promotes BM-MSCs hepatic differentiation and reversal of liver fibrosis through activation of integrin pathway. *Journal of Tissue Engineering and Regenerative Medicine*, **2017**, 11, 2685-2698	4.4	24
135	Combination of platelet-rich plasma within periodontal ligament stem cell sheets enhances cell differentiation and matrix production. *Journal of Tissue Engineering and Regenerative Medicine*, **2017**, 11, 627-636	4.4	29
134	Autophagy Maintains the Function of Bone Marrow Mesenchymal Stem Cells to Prevent Estrogen Deficiency-Induced Osteoporosis. *Theranostics*, **2017**, 7, 4498-4516	12.1	85

133	Heparin improves BMSC cell therapy: Anticoagulant treatment by heparin improves the safety and therapeutic effect of bone marrow-derived mesenchymal stem cell cytotherapy. *Theranostics*, **2017**, 7, 106-116	12.1	77
132	Human Umbilical Cord MSCs as New Cell Sources for Promoting Periodontal Regeneration in Inflammatory Periodontal Defect. *Theranostics*, **2017**, 7, 4370-4382	12.1	31
131	Mitochondrial metabolic failure in telomere attrition-provoked aging of bone marrow mesenchymal stem cells. *Biogerontology*, **2016**, 17, 267-79	4.5	32
130	Suppression of EZH2 Prevents the Shift of Osteoporotic MSC Fate to Adipocyte and Enhances Bone Formation During Osteoporosis. *Molecular Therapy*, **2016**, 24, 217-229	11.7	97
129	Regeneration of dental pulp/dentine complex with a three-dimensional and scaffold-free stem-cell sheet-derived pellet. *Journal of Tissue Engineering and Regenerative Medicine*, **2016**, 10, 261-70	4.4	82
128	Ameloblasts serum-free conditioned medium: bone morphogenic protein 4-induced odontogenic differentiation of mouse induced pluripotent stem cells. *Journal of Tissue Engineering and Regenerative Medicine*, **2016**, 10, 466-74	4.4	19
127	Decreased MORF leads to prolonged endoplasmic reticulum stress in periodontitis-associated chronic inflammation. *Cell Death and Differentiation*, **2016**, 23, 1862-1872	12.7	30
126	Allogeneic Mesenchymal Stem Cell Therapy Promotes Osteoblastogenesis and Prevents Glucocorticoid-Induced Osteoporosis. *Stem Cells Translational Medicine*, **2016**, 5, 1238-46	6.9	52
125	Co-culture with neonatal cardiomyocytes enhances the proliferation of iPSC-derived cardiomyocytes via FAK/JNK signaling. *BMC Developmental Biology*, **2016**, 16, 11	3.1	8
124	Mesenchymal progenitors in osteopenias of diverse pathologies: differential characteristics in the common shift from osteoblastogenesis to adipogenesis. *Scientific Reports*, **2016**, 6, 30186	4.9	47
123	Composite cell sheet for periodontal regeneration: crosstalk between different types of MSCs in cell sheet facilitates complex periodontal-like tissue regeneration. *Stem Cell Research and Therapy*, **2016**, 7, 168	8.3	35
122	Induction of antigen-specific cytotoxic T-cell response by dendritic cells generated from ecto-mesenchymal stem cells infected with an adenovirus containing the MAGE-D4a gene. *Oncology Letters*, **2016**, 11, 2886-2892	2.6	3
121	Melatonin Treatment Improves Mesenchymal Stem Cells Therapy by Preserving Stemness during Long-term In Vitro Expansion. *Theranostics*, **2016**, 6, 1899-917	12.1	78
120	TNF-□nhibits FoxO1 by Upregulating miR-705 to Aggravate Oxidative Damage in Bone Marrow-Derived Mesenchymal Stem Cells during Osteoporosis. *Stem Cells*, **2016**, 34, 1054-67	5.8	84
119	Increased autophagy is required to protect periodontal ligament stem cells from apoptosis in inflammatory microenvironment. *Journal of Clinical Periodontology*, **2016**, 43, 618-25	7.7	48
118	GCN5 modulates osteogenic differentiation of periodontal ligament stem cells through DKK1 acetylation in inflammatory microenvironment. *Scientific Reports*, **2016**, 6, 26542	4.9	37
117	Treatment of periodontal intrabony defects using autologous periodontal ligament stem cells: a randomized clinical trial. *Stem Cell Research and Therapy*, **2016**, 7, 33	8.3	150
116	CCL21/IL21-armed oncolytic adenovirus enhances antitumor activity against TERT-positive tumor cells. *Virus Research*, **2016**, 220, 172-8	6.4	14

115	Mechanical stress regulates osteogenic differentiation and RANKL/OPG ratio in periodontal ligament stem cells by the Wnt/Ecatenin pathway. *Biochimica Et Biophysica Acta - General Subjects*, **2016**, 1860, 2211-9	4	58
114	MiR-26a Rescues Bone Regeneration Deficiency of Mesenchymal Stem Cells Derived From Osteoporotic Mice. *Molecular Therapy*, **2015**, 23, 1349-1357	11.7	56
113	Dysplastic spondylolysis is caused by mutations in the diastrophic dysplasia sulfate transporter gene. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 8064-9	11.5	27
112	Enhanced growth suppression of TERT-positive tumor cells by oncolytic adenovirus armed with CCL20 and CD40L. *International Immunopharmacology*, **2015**, 28, 487-93	5.8	13
111	Estrogen preserves Fas ligand levels by inhibiting microRNA-181a in bone marrow-derived mesenchymal stem cells to maintain bone remodeling balance. *FASEB Journal*, **2015**, 29, 3935-44	0.9	33
110	MSC Transplantation Improves Osteopenia via Epigenetic Regulation of Notch Signaling in Lupus. *Cell Metabolism*, **2015**, 22, 606-18	24.6	147
109	Periodontal Tissue Engineering **2015**, 471-482		1
108	Tissue-engineered nerve constructs under a microgravity system for peripheral nerve regeneration. *Tissue Engineering - Part A*, **2015**, 21, 267-76	3.9	17
107	Bone marrow mesenchymal stem cell aggregate: an optimal cell therapy for full-layer cutaneous wound vascularization and regeneration. *Scientific Reports*, **2015**, 5, 17036	4.9	29
106	Apocynin suppression of NADPH oxidase reverses the aging process in mesenchymal stem cells to promote osteogenesis and increase bone mass. *Scientific Reports*, **2015**, 5, 18572	4.9	35
105	DKK1 rescues osteogenic differentiation of mesenchymal stem cells isolated from periodontal ligaments of patients with diabetes mellitus induced periodontitis. *Scientific Reports*, **2015**, 5, 13142	4.9	31
104	Influence of nanotopography on periodontal ligament stem cell functions and cell sheet based periodontal regeneration. *International Journal of Nanomedicine*, **2015**, 10, 4009-27	7.3	20
103	Cardiotrophin-1 promotes cardiomyocyte differentiation from mouse induced pluripotent stem cells via JAK2/STAT3/Pim-1 signaling pathway. *Journal of Geriatric Cardiology*, **2015**, 12, 591-9	1.7	7
102	The p53/miR-17/Smurf1 pathway mediates skeletal deformities in an age-related model via inhibiting the function of mesenchymal stem cells. *Aging*, **2015**, 7, 205-18	5.6	44
101	Peripheral nerve repair: a hot spot analysis on treatment methods from 2010 to 2014. *Neural Regeneration Research*, **2015**, 10, 996-1002	4.5	8
100	Canonical Wnt signaling differently modulates osteogenic differentiation of mesenchymal stem cells derived from bone marrow and from periodontal ligament under inflammatory conditions. *Biochimica Et Biophysica Acta - General Subjects*, **2014**, 1840, 1125-34	4	72
99	Lipopolysaccharide differentially affects the osteogenic differentiation of periodontal ligament stem cells and bone marrow mesenchymal stem cells through Toll-like receptor 4 mediated nuclear factor B pathway. *Stem Cell Research and Therapy*, **2014**, 5, 67	8.3	91
98	Periodontal ligament stem cells modulate root resorption of human primary teeth via Runx2 regulating RANKL/OPG system. *Stem Cells and Development*, **2014**, 23, 2524-34	4.4	25

97	Mesenchymal stem cell characteristics of dental pulp and periodontal ligament stem cells after in vivo transplantation. *Biomaterials*, **2014**, 35, 6332-43	15.6	112
96	The effect of licochalcone A on cell-aggregates ECM secretion and osteogenic differentiation during bone formation in metaphyseal defects in ovariectomized rats. *Biomaterials*, **2014**, 35, 2789-97	15.6	43
95	Scaffold-free cell pellet transplantations can be applied to periodontal regeneration. *Cell Transplantation*, **2014**, 23, 181-94	4	7
94	Licochalcone A up-regulates of FasL in mesenchymal stem cells to strengthen bone formation and increase bone mass. *Scientific Reports*, **2014**, 4, 7209	4.9	15
93	Dental follicle cells rescue the regenerative capacity of periodontal ligament stem cells in an inflammatory microenvironment. *PLoS ONE*, **2014**, 9, e108752	3.7	28
92	Mesenchymal stem cells prevent hypertrophic scar formation via inflammatory regulation when undergoing apoptosis. *Journal of Investigative Dermatology*, **2014**, 134, 2648-2657	4.3	90
91	Bone tissue engineering by using a combination of polymer/Bioglass composites with human adipose-derived stem cells. *Cell and Tissue Research*, **2014**, 356, 97-107	4.2	42
90	Sciatic nerve injury repair: a visualized analysis of research fronts and development trends. *Neural Regeneration Research*, **2014**, 9, 1716-22	4.5	9
89	Skin epithelial cells as possible substitutes for ameloblasts during tooth regeneration. *Journal of Tissue Engineering and Regenerative Medicine*, **2013**, 7, 934-43	4.4	9
88	Comparison of mesenchymal stem cells derived from gingival tissue and periodontal ligament in different incubation conditions. *Biomaterials*, **2013**, 34, 7033-47	15.6	135
87	GSK3 is a checkpoint for TNF- mediated impaired osteogenic differentiation of mesenchymal stem cells in inflammatory microenvironments. *Biochimica Et Biophysica Acta - General Subjects*, **2013**, 1830, 5119-29	4	53
86	Integration of a calcined bovine bone and BMSC-sheet 3D scaffold and the promotion of bone regeneration in large defects. *Biomaterials*, **2013**, 34, 9998-10006	15.6	76
85	Tumor necrosis factor suppresses the mesenchymal stem cell osteogenesis promoter miR-21 in estrogen deficiency-induced osteoporosis. *Journal of Bone and Mineral Research*, **2013**, 28, 559-73	6.3	185
84	The effect of the cleidocranial dysplasia-related novel 1116_1119insC mutation in the RUNX2 gene on the biological function of mesenchymal cells. *European Journal of Medical Genetics*, **2013**, 56, 180-7	2.6	10
83	Construction of tissue-engineered cornea composed of amniotic epithelial cells and acellular porcine cornea for treating corneal alkali burn. *Biomaterials*, **2013**, 34, 6748-59	15.6	70
82	The effect of the coumarin-like derivative osthole on the osteogenic properties of human periodontal ligament and jaw bone marrow mesenchymal stem cell sheets. *Biomaterials*, **2013**, 34, 9937-51	15.6	57
81	IFN- and TNF- synergistically induce mesenchymal stem cell impairment and tumorigenesis via NFB signaling. *Stem Cells*, **2013**, 31, 1383-95	5.8	98
80	The promotion of bone regeneration through positive regulation of angiogenic-osteogenic coupling using microRNA-26a. *Biomaterials*, **2013**, 34, 5048-58	15.6	158

79	Periodontal Bioengineering Strategies: The Present Status and Some Developing Trends **2013**, 501-524		
78	Deciduous dental pulp stem cells are involved in osteoclastogenesis during physiologic root resorption. *Journal of Cellular Physiology*, **2013**, 228, 207-15	7	22
77	Inflammatory environment induces gingival tissue-specific mesenchymal stem cells to differentiate towards a pro-fibrotic phenotype. *Biology of the Cell*, **2013**, 105, 261-75	3.5	26
76	Somatic stem cell biology and periodontal regeneration. *International Journal of Oral and Maxillofacial Implants*, **2013**, 28, e494-502	2.8	7
75	Current progress of skin tissue engineering: Seed cells, bioscaffolds, and construction strategies. *Burns and Trauma*, **2013**, 1, 63-72		39
74	The long-term differentiation of embryonic stem cells into cardiomyocytes: an indirect co-culture model. *PLoS ONE*, **2013**, 8, e55233	3.7	12
73	Nicotine deteriorates the osteogenic differentiation of periodontal ligament stem cells through 7 nicotinic acetylcholine receptor regulating Wnt pathway. *PLoS ONE*, **2013**, 8, e83102	3.7	26
72	The protection of MSCs from apoptosis in nerve regeneration by TGF1 through reducing inflammation and promoting VEGF-dependent angiogenesis. *Biomaterials*, **2012**, 33, 4277-87	15.6	58
71	Prospects for translational regenerative medicine. *Biotechnology Advances*, **2012**, 30, 658-72	17.8	61
70	Dental follicle cells and treated dentin matrix scaffold for tissue engineering the tooth root. *Biomaterials*, **2012**, 33, 1291-302	15.6	90
69	Natural mineralized scaffolds promote the dentinogenic potential of dental pulp stem cells via the mitogen-activated protein kinase signaling pathway. *Tissue Engineering - Part A*, **2012**, 18, 677-91	3.9	38
68	The effect of aging on the pluripotential capacity and regenerative potential of human periodontal ligament stem cells. *Biomaterials*, **2012**, 33, 6974-86	15.6	122
67	Micronized acellular dermal matrix as an efficient expansion substrate and delivery vehicle of adipose-derived stem cells for vocal fold regeneration. *Laryngoscope*, **2012**, 122, 1815-25	3.6	19
66	Heterogeneous dental follicle cells and the regeneration of complex periodontal tissues. *Tissue Engineering - Part A*, **2012**, 18, 459-70	3.9	56
65	Mixture of fibroblasts and adipose tissue-derived stem cells can improve epidermal morphogenesis of tissue-engineered skin. *Cells Tissues Organs*, **2012**, 195, 197-206	2.1	31
64	Stress and strain analysis on the anastomosis site sutured with either epineurial or perineurial sutures after simulation of sciatic nerve injury. *Neural Regeneration Research*, **2012**, 7, 2299-304	4.5	9
63	Synergistic angiogenesis promoting effects of extracellular matrix scaffolds and adipose-derived stem cells during wound repair. *Tissue Engineering - Part A*, **2011**, 17, 725-39	3.9	106
62	Expansion and delivery of adipose-derived mesenchymal stem cells on three microcarriers for soft tissue regeneration. *Tissue Engineering - Part A*, **2011**, 17, 2981-97	3.9	54

61	Characterization of rat apical tissues in different root development stage. *Connective Tissue Research*, **2011**, 52, 393-400	3.3	1
60	Characterization of mesenchymal stem cells from human normal and hyperplastic gingiva. *Journal of Cellular Physiology*, **2011**, 226, 832-42	7	115
59	MiR-17 modulates osteogenic differentiation through a coherent feed-forward loop in mesenchymal stem cells isolated from periodontal ligaments of patients with periodontitis. *Stem Cells*, **2011**, 29, 1804-16	5.8	133
58	Porcine tooth germ cell conditioned medium can induce odontogenic differentiation of human dental pulp stem cells. *Journal of Tissue Engineering and Regenerative Medicine*, **2011**, 5, 354-62	4.4	19
57	Role of bone marrow-derived progenitor cells in the maintenance and regeneration of dental mesenchymal tissues. *Journal of Cellular Physiology*, **2011**, 226, 2081-90	7	46
56	High levels of β-catenin signaling reduce osteogenic differentiation of stem cells in inflammatory microenvironments through inhibition of the noncanonical Wnt pathway. *Journal of Bone and Mineral Research*, **2011**, 26, 2082-95	6.3	133
55	Characterization of stem cells from alveolar periodontal ligament. *Tissue Engineering - Part A*, **2011**, 17, 1015-26	3.9	95
54	Functional neovascularization in tissue engineering with porcine acellular dermal matrix and human umbilical vein endothelial cells. *Tissue Engineering - Part C: Methods*, **2011**, 17, 423-33	2.9	41
53	Supernatant of bone marrow mesenchymal stromal cells induces peripheral blood mononuclear cells possessing mesenchymal features. *International Journal of Biological Sciences*, **2011**, 7, 364-75	11.2	11
52	Differentiation of dermal multipotent cells into odontogenic lineage induced by embryonic and neonatal tooth germ cell-conditioned medium. *Stem Cells and Development*, **2010**, 19, 93-104	4.4	39
51	Periapical follicle stem cell: a promising candidate for cementum/periodontal ligament regeneration and bio-root engineering. *Stem Cells and Development*, **2010**, 19, 1405-15	4.4	53
50	Periodontal tissue engineering and regeneration: current approaches and expanding opportunities. *Tissue Engineering - Part B: Reviews*, **2010**, 16, 219-55	7.9	229
49	Differentiation of mouse embryonic stem cells into dental epithelial-like cells induced by ameloblasts serum-free conditioned medium. *Biochemical and Biophysical Research Communications* , **2010**, 394, 342-7	3.4	38
48	A nerve graft constructed with xenogeneic acellular nerve matrix and autologous adipose-derived mesenchymal stem cells. *Biomaterials*, **2010**, 31, 5312-24	15.6	128
47	Differentiation potential of STRO-1+ dental pulp stem cells changes during cell passaging. *BMC Cell Biology*, **2010**, 11, 32		130
46	A novel possible strategy based on self-assembly approach to achieve complete periodontal regeneration. *Artificial Organs*, **2010**, 34, 603-9	2.6	14
45	Tissue engineering of cementum/periodontal-ligament complex using a novel three-dimensional pellet cultivation system for human periodontal ligament stem cells. *Tissue Engineering - Part C: Methods*, **2009**, 15, 571-81	2.9	73
44	Electrospun Composite Mats of Poly[(D,L-lactide)-co-glycolide] and Collagen with High Porosity as Potential Scaffolds for Skin Tissue Engineering. *Macromolecular Materials and Engineering*, **2009**, 294, 611-619	3.9	74

43	Localized delivery of growth factors for periodontal tissue regeneration: role, strategies, and perspectives. *Medicinal Research Reviews*, **2009**, 29, 472-513	14.4	111
42	The use of dentin matrix scaffold and dental follicle cells for dentin regeneration. *Biomaterials*, **2009**, 30, 6708-23	15.6	117
41	Evaluation of electrospun fibrous scaffolds of poly(dl-lactide) and poly(ethylene glycol) for skin tissue engineering. *Materials Science and Engineering C*, **2009**, 29, 1869-1876	8.3	109
40	Expansion and delivery of human fibroblasts on micronized acellular dermal matrix for skin regeneration. *Biomaterials*, **2009**, 30, 2666-74	15.6	64
39	Functional bilayered skin substitute constructed by tissue-engineered extracellular matrix and microsphere-incorporated gelatin hydrogel for wound repair. *Tissue Engineering - Part A*, **2009**, 15, 2617-24	3.9	29
38	Negative regulating factors of notch signaling may be a key factor for the teeth root formation. *Bioscience Hypotheses*, **2009**, 2, 151-152		
37	Effect of age and extrinsic microenvironment on the proliferation and osteogenic differentiation of rat dental pulp stem cells in vitro. *Journal of Endodontics*, **2009**, 35, 1546-53	4.7	50
36	Innovative strategies for tissue engineered skin based on multiple growth factors gene transfection. *Medical Hypotheses*, **2009**, 73, 516-8	3.8	2
35	Odontogenic potential of mesenchymal cells from hair follicle dermal papilla. *Stem Cells and Development*, **2009**, 18, 583-9	4.4	35
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33	Tissue-engineered skin containing mesenchymal stem cells improves burn wounds. *Artificial Organs*, **2008**, 32, 925-31	2.6	118
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