

Guoqing Chen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	TGF- β 1 and FGF2 Stimulate the Epithelial-Mesenchymal Transition of HERS Cells Through a MEK-Dependent Mechanism. <i>Journal of Cellular Physiology</i> , 2014, 229, 1647-1659.	4.1	63
2	Regeneration of pulpo-dentinal-like complex by a group of unique multipotent CD24a ⁺ stem cells. <i>Science Advances</i> , 2020, 6, eaay1514.	10.3	54
3	Exosome-like vesicles derived from Hertwig's epithelial root sheath cells promote the regeneration of dentin-pulp tissue. <i>Theranostics</i> , 2020, 10, 5914-5931.	10.0	45
4	RNA G-quadruplex in TMPRSS2 reduces SARS-CoV-2 infection. <i>Nature Communications</i> , 2022, 13, 1444.	12.8	37
5	Hertwig's epithelial root sheath cells regulate osteogenic differentiation of dental follicle cells through the Wnt pathway. <i>Bone</i> , 2014, 63, 158-165.	2.9	35
6	DNA Demethylation Rescues the Impaired Osteogenic Differentiation Ability of Human Periodontal Ligament Stem Cells in High Glucose. <i>Scientific Reports</i> , 2016, 6, 27447.	3.3	34
7	hDPSC-laden GelMA microspheres fabricated using electrostatic microdroplet method for endodontic regeneration. <i>Materials Science and Engineering C</i> , 2021, 121, 111850.	7.3	34
8	miR-93 and PTEN: Key regulators of doxorubicin-resistance and EMT in breast cancer. <i>Oncology Reports</i> , 2017, 38, 2401-2407.	2.6	33
9	Maternal diabetes modulates offspring cell proliferation and apoptosis during odontogenesis via the TLR4/NF- κ B signalling pathway. <i>Cell Proliferation</i> , 2017, 50, .	5.3	26
10	Development of immortalized Hertwig's epithelial root sheath cell lines for cementum and dentin regeneration. <i>Stem Cell Research and Therapy</i> , 2019, 10, 3.	5.5	26
11	Schwann cell-derived EVs facilitate dental pulp regeneration through endogenous stem cell recruitment via SDF-1/CXCR4 axis. <i>Acta Biomaterialia</i> , 2022, 140, 610-624.	8.3	25
12	Comparison of P ₇₅ ^{NTR} -positive and -negative ectomesenchymal stem cell odontogenic differentiation through epithelial-mesenchymal interaction. <i>Cell Proliferation</i> , 2016, 49, 185-194.	5.3	23
13	GSK3 β regulates ameloblast differentiation via Wnt and TGF- β 2 pathways. <i>Journal of Cellular Physiology</i> , 2018, 233, 5322-5333.	4.1	20
14	Periodontitis contributes to adipose tissue inflammation through the NF- κ B, JNK and ERK pathways to promote insulin resistance in A β rat model. <i>Microbes and Infection</i> , 2016, 18, 804-812.	1.9	19
15	Schwann cells secrete extracellular vesicles to promote and maintain the proliferation and multipotency of hDPCs. <i>Cell Proliferation</i> , 2017, 50, .	5.3	19
16	Are Hertwig's epithelial root sheath cells necessary for periodontal formation by dental follicle cells?. <i>Archives of Oral Biology</i> , 2018, 94, 1-9.	1.8	18
17	Prediabetes Enhances Periodontal Inflammation Consistent With Activation of Toll-Like Receptor-Mediated Nuclear Factor- κ B Pathway in Rats. <i>Journal of Periodontology</i> , 2016, 87, e64-e74.	3.4	17
18	Maternal diabetes modulates dental epithelial stem cells proliferation and self-renewal in offspring through apurinic/apyrimidinic endonuclease 1-mediated DNA methylation. <i>Scientific Reports</i> , 2017, 7, 40762.	3.3	17

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19	Vitamin C alleviates the senescence of periodontal ligament stem cells through inhibition of Notch3 during long-term culture. <i>Journal of Cellular Physiology</i> , 2021, 236, 1237-1251.	4.1	16
20	Inhibition of Ape1 Redox Activity Promotes Odonto/osteogenic Differentiation of Dental Papilla Cells. <i>Scientific Reports</i> , 2015, 5, 17483.	3.3	15
21	Hyperglycemia Induces Osteoclastogenesis and Bone Destruction Through the Activation of Ca ²⁺ /Calmodulin-Dependent Protein Kinase II. <i>Calcified Tissue International</i> , 2019, 104, 390-401.	3.1	15
22	Expression of Nfic during root formation in first mandibular molar of rat. <i>Journal of Molecular Histology</i> , 2014, 45, 619-626.	2.2	14
23	Disruption of kif3a results in defective osteoblastic differentiation in dental mesenchymal stem/precursor cells via the Wnt signaling pathway. <i>Molecular Medicine Reports</i> , 2016, 14, 1891-1900.	2.4	13
24	Cytoskeletal binding proteins distinguish cultured dental follicle cells and periodontal ligament cells. <i>Experimental Cell Research</i> , 2016, 345, 6-16.	2.6	13
25	Therapeutic potential of HERS spheroids in tooth regeneration. <i>Theranostics</i> , 2020, 10, 7409-7421.	10.0	11
26	High expression of KIF3A is a potential new parameter for the diagnosis and prognosis of breast cancer. <i>Biomedical Reports</i> , 2018, 8, 343-349.	2.0	10
27	Immortalized Hertwig's epithelial root sheath cell line works as model for epithelial-mesenchymal interaction during tooth root formation. <i>Journal of Cellular Physiology</i> , 2020, 235, 2698-2709.	4.1	9
28	Expression and roles of syndecan-4 in dental epithelial cell differentiation. <i>International Journal of Molecular Medicine</i> , 2014, 34, 1301-1308.	4.0	8
29	Tumorigenicity analysis of heterogeneous dental stem cells and its self-modification for chromosome instability. <i>Cell Cycle</i> , 2015, 14, 3396-3407.	2.6	8
30	Comparative study on differentiation of cervical-loop cells and Hertwig's epithelial root sheath cells under the induction of dental follicle cells in rat. <i>Scientific Reports</i> , 2018, 8, 6546.	3.3	8
31	Effect of canonical NF- κ B signaling pathway on the differentiation of rat dental epithelial stem cells. <i>Stem Cell Research and Therapy</i> , 2019, 10, 139.	5.5	8
32	The Dual Effects of Reactive Oxygen Species on the Mandibular Alveolar Bone Formation in SOD1 Knockout Mice: Promotion or Inhibition. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-15.	4.0	6
33	Gestational diabetes mellitus affects odontoblastic differentiation of dental papilla cells via Toll-like receptor 4 signaling in offspring. <i>Journal of Cellular Physiology</i> , 2020, 235, 3519-3528.	4.1	4
34	Bcl11b regulates enamel matrix protein expression and dental epithelial cell differentiation during rat tooth development. <i>Molecular Medicine Reports</i> , 2017, 15, 297-304.	2.4	1