Xue Yuan

List of Publications by Year
in descending order

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49 papers	1,371 citations	257357 24 h-index	360920 35 g-index
49 all docs	49 docs citations	49 times ranked	1960 citing authors

#	Article	IF	Citations
1	Ciliary IFT80 balances canonical versus non-canonical hedgehog signalling for osteoblast differentiation. Nature Communications, 2016, 7, 11024.	5.8	106
2	Function and regulation of primary cilia and intraflagellar transport proteins in the skeleton. Annals of the New York Academy of Sciences, 2015, 1335, 78-99.	1.8	86
3	BMP2 Genetically Engineered MSCs and EPCs Promote Vascularized Bone Regeneration in Rat Critical-Sized Calvarial Bone Defects. PLoS ONE, 2013, 8, e60473.	1.1	85
4	Enhanced Healing of Rat Calvarial Defects with MSCs Loaded on BMP-2 Releasing Chitosan/Alginate/Hydroxyapatite Scaffolds. PLoS ONE, 2014, 9, e104061.	1.1	72
5	A Wnt-Responsive PDL Population Effectuates Extraction Socket Healing. Journal of Dental Research, 2018, 97, 803-809.	2.5	71
6	Primary Cilia and Intraflagellar Transport Proteins in Bone and Cartilage. Journal of Dental Research, 2016, 95, 1341-1349.	2.5	49
7	IFT80 is essential for chondrocyte differentiation by regulating Hedgehog and Wnt signaling pathways. Experimental Cell Research, 2013, 319, 623-632.	1.2	45
8	Deletion of IFT80 Impairs Epiphyseal and Articular Cartilage Formation Due to Disruption of Chondrocyte Differentiation. PLoS ONE, 2015, 10, e0130618.	1.1	41
9	Antimicrobial Peptide Combined with BMP2-Modified Mesenchymal Stem Cells Promotes Calvarial Repair in an Osteolytic Model. Molecular Therapy, 2018, 26, 199-207.	3.7	39
10	Endostar attenuates melanoma tumor growth via its interruption of b-FGF mediated angiogenesis. Cancer Letters, 2015, 359, 148-154.	3.2	38
11	The combination of nano-calcium sulfate/platelet rich plasma gel scaffold with BMP2 gene-modified mesenchymal stem cells promotes bone regeneration in rat critical-sized calvarial defects. Stem Cell Research and Therapy, 2017, 8, 122.	2.4	38
12	SALL4 promotes gastric cancer progression through activating CD44 expression. Oncogenesis, 2016, 5, e268-e268.	2.1	36
13	Regulators of G protein signaling 12 promotes osteoclastogenesis in bone remodeling and pathological bone loss. Cell Death and Differentiation, 2015, 22, 2046-2057.	5.0	35
14	Wnt-Responsive Odontoblasts Secrete New Dentin after Superficial Tooth Injury. Journal of Dental Research, 2018, 97, 1047-1054.	2.5	35
15	Osteoporotic Changes in the Periodontium Impair Alveolar Bone Healing. Journal of Dental Research, 2019, 98, 450-458.	2.5	35
16	Biomechanics of Immediate Postextraction Implant Osseointegration. Journal of Dental Research, 2018, 97, 987-994.	2.5	32
17	Contribution of the PDL to Osteotomy Repair and Implant Osseointegration. Journal of Dental Research, 2017, 96, 909-916.	2.5	31
18	Nâ€terminal modification increases the stability of the recombinant human endostatinin vitro. Biotechnology and Applied Biochemistry, 2009, 54, 113-120.	1.4	30

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19	Cilia Ift protein and motor -related bone diseases and mouse models. Frontiers in Bioscience - Landmark, 2015, 20, 515-555.	3.0	29
20	Combination of Controlled Release Plateletâ€Rich Plasma Alginate Beads and Bone Morphogenetic Proteinâ€2 Genetically Modified Mesenchymal Stem Cells for Bone Regeneration. Journal of Periodontology, 2016, 87, 470-480.	1.7	29
21	Primary cilia control cell alignment and patterning in bone development via ceramide-PKCÎ¶-Î²-catenin signaling. Communications Biology, 2020, 3, 45.	2.0	28
22	Aberrantly elevated Wnt signaling is responsible for cementum overgrowth and dental ankylosis. Bone, 2019, 122, 176-183.	1.4	26
23	Hybrid Biomaterial with Conjugated Growth Factors and Mesenchymal Stem Cells for Ectopic Bone Formation. Tissue Engineering - Part A, 2016, 22, 928-939.	1.6	24
24	Mechanoadaptive Responses in the Periodontium Are Coordinated by Wnt. Journal of Dental Research, 2019, 98, 689-697.	2.5	24
25	Mx1â€Cre mediated Rgs12 conditional knockout mice exhibit increased bone mass phenotype. Genesis, 2013, 51, 201-209.	0.8	22
26	A Correlation between Wnt/Beta-catenin Signaling and the Rate of Dentin Secretion. Journal of Endodontics, 2019, 45, 1357-1364.e1.	1.4	22
27	Role of regulator of G protein signaling proteins in bone. Frontiers in Bioscience - Landmark, 2014, 19, 634.	3.0	20
28	Deletion of IFT20 in early stage T lymphocyte differentiation inhibits the development of collagen-induced arthritis. Bone Research, 2014, 2, 14038.	5.4	20
29	IFT80 is required for stem cell proliferation, differentiation, and odontoblast polarization during tooth development. Cell Death and Disease, 2019, 10, 63.	2.7	19
30	Ciliary IFT80 regulates dental pulp stem cells differentiation by FGF/FGFR1 and Hh/BMP2 signaling. International Journal of Biological Sciences, 2019, 15, 2087-2099.	2.6	19
31	Wnt-Responsive Stem Cell Fates in the Oral Mucosa. IScience, 2019, 21, 84-94.	1.9	17
32	The Junctional Epithelium Is Maintained by a Stem Cell Population. Journal of Dental Research, 2021, 100, 209-216.	2.5	17
33	Five-year follow-up after anterior iris-fixated intraocular lens implantation in phakic eyes to correct high myopia. Eye, 2012, 26, 321-326.	1.1	16
34	Root resorption and ensuing cementum repair by Wnt/Î²-catenin dependent mechanism. American Journal of Orthodontics and Dentofacial Orthopedics, 2020, 158, 16-27.	0.8	16
35	Molecular Basis for Periodontal Ligament Adaptation to In Vivo Loading. Journal of Dental Research, 2019, 98, 331-338.	2.5	15
36	Interspecies comparison of alveolar bone biology: Tooth extraction socket healing in mini pigs and mice. Journal of Periodontology, 2020, 91, 1653-1663.	1.7	13

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37	Comparative analyses of the soft tissue interfaces around teeth and implants: Insights from a preâ€clinical implant model. Journal of Clinical Periodontology, 2021, 48, 745-753.	2.3	11
38	Interspecies Comparison of Alveolar Bone Biology, Part I: Morphology and Physiology of Pristine Bone. JDR Clinical and Translational Research, 2021, 6, 352-360.	1.1	10
39	Formation and regeneration of a Wntâ€responsive junctional epithelium. Journal of Clinical Periodontology, 2020, 47, 1476-1484.	2.3	9
40	Optimizing autologous bone contribution to implant osseointegration. Journal of Periodontology, 2020, 91, 1632-1644.	1.7	9
41	Combination of bone marrow mesenchymal stem cells sheet and platelet rich plasma for posterolateral lumbar fusion. Oncotarget, 2017, 8, 62298-62311.	0.8	9
42	Improving intraoperative storage conditions for autologous bone grafts: An experimental investigation in mice. Journal of Tissue Engineering and Regenerative Medicine, 2019, 13, 2169-2180.	1.3	8
43	Bioactivating a bone substitute accelerates graft incorporation in a murine model of vertical ridge augmentation. Dental Materials, 2020, 36, 1303-1313.	1.6	7
44	Mechanoâ€adaptive Responses of Alveolar Bone to Implant Hyperâ€loading in a preâ€clinical in vivo model. Clinical Oral Implants Research, 2020, 31, 1159-1172.	1.9	6
45	Effects of masticatory loading on bone remodeling around teeth versus implants: Insights from a preclinical model. Clinical Oral Implants Research, 2022, 33, 342-352.	1.9	6
46	Accelerating Socket Repair via WNT3A Curtails Alveolar Ridge Resorption. Journal of Dental Research, 2022, 101, 102-110.	2.5	5
47	A novel cryo-embedding method for in-depth analysis of craniofacial mini pig bone specimens. Scientific Reports, 2020, 10, 19510.	1.6	4
48	Molecular Basis for Craniofacial Phenotypes Caused by Sclerostin Deletion. Journal of Dental Research, 2021, 100, 310-317.	2.5	4
49	Pro-osteogenic Effects of WNT in a Mouse Model of Bone Formation Around Femoral Implants. Calcified Tissue International, 2021, 108, 240-251.	1.5	3