

Demao Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

865
citations

430874

18
h-index

501196

28
g-index

41
all docs

41
docs citations

41
times ranked

737
citing authors

#	ARTICLE	IF	CITATIONS
1	TGF- β 2 increases cell-cell communication in chondrocytes via p-Smad3 signalling. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2022, 1869, 119175.	4.1	8
2	Matrix Vesicles as a Therapeutic Target for Vascular Calcification. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 825622.	3.7	18
3	The role of fibroblast growth factor 8 in cartilage development and disease. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 990-999.	3.6	24
4	PDGF-AA promotes gap junction intercellular communication in chondrocytes via the PI3K/Akt pathway. <i>Connective Tissue Research</i> , 2022, 63, 544-558.	2.3	4
5	Microenvironmental stiffness mediates cytoskeleton re-organization in chondrocytes through laminin-FAK mechanotransduction. <i>International Journal of Oral Science</i> , 2022, 14, 15.	8.6	37
6	Vascular Calcification: New Insights Into BMP Type I Receptor A. <i>Frontiers in Pharmacology</i> , 2022, 13, 887253.	3.5	7
7	Osteoblasts induce glucose-derived ATP perturbations in chondrocytes through noncontact communication. <i>Acta Biochimica Et Biophysica Sinica</i> , 2022, 54, 625-636.	2.0	14
8	Role of the fibroblast growth factor 19 in the skeletal system. <i>Life Sciences</i> , 2021, 265, 118804.	4.3	26
9	The virulence factor GroEL promotes gelatinase secretion from cells in the osteoblast lineage: Implication for direct crosstalk between bacteria and adult cells. <i>Archives of Oral Biology</i> , 2021, 122, 104991.	1.8	4
10	The alteration of A disintegrin and metalloproteinase with thrombospondin motifs (ADAMTS) in the knee joints of osteoarthritis mice. <i>Journal of Histotechnology</i> , 2021, 44, 99-110.	0.5	4
11	CTGF facilitates cell-cell communication in chondrocytes via PI3K/Akt signalling pathway. <i>Cell Proliferation</i> , 2021, 54, e13001.	5.3	23
12	Transforming growth factor- β 1-induced N-cadherin drives cell-cell communication through connexin43 in osteoblast lineage. <i>International Journal of Oral Science</i> , 2021, 13, 15.	8.6	16
13	The virulence factor GroEL directs the osteogenic and adipogenic differentiation of human periodontal ligament stem cells through the involvement of JNK/MAPK and NF- κ B signaling. <i>Journal of Periodontology</i> , 2021, 92, 103-115.	3.4	14
14	Gold standard for nutrition: a review of human milk oligosaccharide and its effects on infant gut microbiota. <i>Microbial Cell Factories</i> , 2021, 20, 108.	4.0	52
15	PDGF-AA promotes cell-to-cell communication in osteocytes through PI3K/Akt signaling pathway. <i>Acta Biochimica Et Biophysica Sinica</i> , 2021, 53, 1640-1649.	2.0	21
16	CTGF promotes cell-cell communication in human periodontal ligament stem cells via MAPK and PI3K pathway. <i>Journal of Periodontology</i> , 2021, , .	3.4	7
17	Osteoblasts impair cholesterol synthesis in chondrocytes via Notch1 signalling. <i>Cell Proliferation</i> , 2021, 54, e13156.	5.3	13
18	Runx1 protects against the pathological progression of osteoarthritis. <i>Bone Research</i> , 2021, 9, 50.	11.4	40

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19	Berberine regulates bone metabolism in apical periodontitis by remodelling the extracellular matrix. <i>Oral Diseases</i> , 2021, , .	3.0	0
20	Biomaterial Stiffness Guides Cross-talk between Chondrocytes: Implications for a Novel Cellular Response in Cartilage Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 4476-4489.	5.2	28
21	Substrate mechanics dictate cell-cell communication by gap junctions in stem cells from human apical papilla. <i>Acta Biomaterialia</i> , 2020, 107, 178-193.	8.3	35
22	Osteoporosis-decreased extracellular matrix stiffness impairs connexin 43-mediated gap junction intercellular communication in osteocytes. <i>Acta Biochimica Et Biophysica Sinica</i> , 2020, 52, 517-526.	2.0	33
23	Substrate Compliance Directs the Osteogenic Lineages of Stem Cells from the Human Apical Papilla via the Processes of Mechanosensing and Mechanotransduction. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 26448-26459.	8.0	29
24	TGF- β 1 facilitates cell-cell communication in osteocytes via connexin43- and pannexin1-dependent gap junctions. <i>Cell Death Discovery</i> , 2019, 5, 141.	4.7	23
25	Compliant substratum modulates vinculin expression in focal adhesion plaques in skeletal cells. <i>International Journal of Oral Science</i> , 2019, 11, 18.	8.6	32
26	The involvement of the ERK-MAPK pathway in TGF- β 1-mediated connexin43-gap junction formation in chondrocytes. <i>Connective Tissue Research</i> , 2019, 60, 477-486.	2.3	21
27	Substrate elasticity regulates vascular endothelial growth factor A (VEGFA) expression in adipose-derived stromal cells: Implications for potential angiogenesis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 175, 576-585.	5.0	9
28	TGF- β 1 promotes gap junctions formation in chondrocytes via Smad3/Smad4 signalling. <i>Cell Proliferation</i> , 2019, 52, e12544.	5.3	34
29	Anterior Cruciate Ligament Transection-Induced Cellular and Extracellular Events in Menisci: Implications for Osteoarthritis. <i>American Journal of Sports Medicine</i> , 2018, 46, 1185-1198.	4.2	61
30	NUMB maintains bone mass by promoting degradation of PTEN and Gli1 via ubiquitination in osteoblasts. <i>Bone Research</i> , 2018, 6, 32.	11.4	16
31	Extracellular Matrix Elasticity Regulates Osteocyte Gap Junction Elongation: Involvement of Paxillin in Intracellular Signal Transduction. <i>Cellular Physiology and Biochemistry</i> , 2018, 51, 1013-1026.	1.6	18
32	Effects of parathyroid hormone (1-34) on the regulation of the lysyl oxidase family in ovariectomized mice. <i>RSC Advances</i> , 2018, 8, 30629-30641.	3.6	2
33	Visual Osteoclast Fusion via A Fluorescence Method. <i>Scientific Reports</i> , 2018, 8, 10184.	3.3	8
34	Evidence for excessive osteoclast activation in SIRT6 null mice. <i>Scientific Reports</i> , 2018, 8, 10992.	3.3	19
35	Compliant Substratum Changes Osteocyte Functions: The Role of ITGB3/FAK/ β -Catenin Signaling Matters. <i>ACS Applied Bio Materials</i> , 2018, 1, 792-801.	4.6	17
36	Substrate elasticity regulates adipose-derived stromal cell differentiation towards osteogenesis and adipogenesis through β -catenin transduction. <i>Acta Biomaterialia</i> , 2018, 79, 83-95.	8.3	86

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37	The Sirt6 gene: Does it play a role in tooth development?. PLoS ONE, 2017, 12, e0174255.	2.5	13
38	Anabolic actions of Notch on mature bone. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2152-61.	7.1	46