Ling Qin

List of Publications by Year
in descending order

60 papers	3,433 citations	136950 32 h-index	149698 56 g-index
64 all docs	64 docs citations	64 times ranked	4098 citing authors

#	Article	IF	Citations
1	Magnesium facilitates the healing of atypical femoral fractures: A single-cell transcriptomic study. Materials Today, 2022, 52, 43-62.	14.2	14
2	Transient expansion and myofibroblast conversion of adipogenic lineage precursors mediate bone marrow repair after radiation. JCI Insight, 2022, 7, .	5.0	7
3	Superoxide dismutase-loaded porous polymersomes as highly efficient antioxidant nanoparticles targeting synovium for osteoarthritis therapy. Biomaterials, 2022, 283, 121437.	11.4	34
4	Type II collagen-positive progenitors are important stem cells in controlling skeletal development and vascular formation. Bone Research, 2022, 10, .	11.4	8
5	IFT20 governs mesenchymal stem cell fate through positively regulating TGF-Î^{2}-Smad2/3-Glut1 signaling mediated glucose metabolism. Redox Biology, 2022, 54, 102373.	9.0	5
6	Bone marrow adipogenic lineage precursors promote osteoclastogenesis in bone remodeling and pathologic bone loss. Journal of Clinical Investigation, 2021, 131, .	8.2	101
7	SOX9 keeps growth plates and articular cartilage healthy by inhibiting chondrocyte dedifferentiation/osteoblastic redifferentiation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	96
8	Phospholipase A ₂ inhibitorâ€“loaded micellar nanoparticles attenuate inflammation and mitigate osteoarthritis progression. Science Advances, 2021, 7, .	10.3	33
9	Type II Collagen-Positive Embryonic Progenitors are the Major Contributors to Spine and Intervertebral Disc Development and Repair. Stem Cells Translational Medicine, 2021, 10, 1419-1432.	3.3	7
10	Nanoparticleâ€“Cartilage Interaction: Pathology-Based Intra-articular Drug Delivery for Osteoarthritis Therapy. Nano-Micro Letters, 2021, 13, 149.	27.0	42
11	The critical role of Hedgehog-responsive mesenchymal progenitors in meniscus development and injury repair. ELife, 2021, 10, .	6.0	14
12	Marrow adipogenic lineage precursor: A new cellular component of marrow adipose tissue. Best Practice and Research in Clinical Endocrinology and Metabolism, 2021, 35, 101518.	4.7	14
13	Gli1+ progenitors mediate bone anabolic function of teriparatide via Hh and Igf signaling. Cell Reports, 2021, 36, 109542.	6.4	15
14	Plasminogen Regulates Fracture Repair by Promoting the Functions of Periosteal Mesenchymal Progenitors. Journal of Bone and Mineral Research, 2021, 36, 2229-2242.	2.8	5
15	Targeting cartilage EGFR pathway for osteoarthritis treatment. Science Translational Medicine, 2021, 13, .	12.4	83
16	A Novel Enzymatic Digestion Approach for Isolation and Culture of Rodent Bone Marrow Mesenchymal Progenitors. Methods in Molecular Biology, 2021, 2221, 29-39.	0.9	0
17	Overexpression of MIG-6 in the cartilage induces an osteoarthritis-like phenotype in mice. Arthritis Research and Therapy, 2020, 22, 119.	3.5	8
18	Mediation of Cartilage Matrix Degeneration and Fibrillation by Decorin in Postâ€traumatic Osteoarthritis. Arthritis and Rheumatology, 2020, 72, 1266-1277.	5.6	37

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19	YAP and TAZ Promote Periosteal Osteoblast Precursor Expansion and Differentiation for Fracture Repair. Journal of Bone and Mineral Research, 2020, 36, 143-157.	2.8	32
20	Gli1 Defines a Subset of Fibro-adipogenic Progenitors that Promote Skeletal Muscle Regeneration With Less Fat Accumulation. Journal of Bone and Mineral Research, 2020, 36, 1159-1173.	2.8	20
21	Single cell transcriptomics identifies a unique adipose lineage cell population that regulates bone marrow environment. ELife, 2020, 9, .	6.0	191
22	Chondrocyte Cell Fate Analysis. , 2020, , 621-631.		0
23	Short Cyclic Regimen With Parathyroid Hormone (PTH) Results in Prolonged Anabolic Effect Relative to Continuous Treatment Followed by Discontinuation in Ovariectomized Rats. Journal of Bone and Mineral Research, 2020, 37, 616-628.	2.8	4
24	EGFR Signaling Is Required for Maintaining Adult Cartilage Homeostasis and Attenuating Osteoarthritis Progression. Journal of Bone and Mineral Research, 2020, 37, 1012-1023.	2.8	13
25	EGFR Signaling: Friend or Foe for Cartilage?. JBMR Plus, 2019, 3, e10177.	2.7	36
26	Periarticular Mesenchymal Progenitors Initiate and Contribute to Secondary Ossification Center Formation During Mouse Long Bone Development. Stem Cells, 2019, 37, 677-689.	3.2	43
27	Spatial distribution of type II collagen gene expression in the mouse intervertebral disc. JOR Spine, 2019, 2, e1070.	3.2	10
28	Periosteal Mesenchymal Progenitor Dysfunction and Extraskeletally-Derived Fibrosis Contribute to Atrophic Fracture Nonunion. Journal of Bone and Mineral Research, 2019, 34, 520-532.	2.8	35
29	Loadingâ€Induced Reduction in Sclerostin as a Mechanism of Subchondral Bone PlateÂSclerosis in Mouse Knee Joints During Lateâ€Stage Osteoarthritis. Arthritis and Rheumatology, 2018, 70, 230-241.	5.6	52
30	Proteasome inhibitor bortezomib is a novel therapeutic agent for focal radiationâ€induced osteoporosis. FASEB Journal, 2018, 32, 52-62.	0.5	26
31	Role of mesenchymal stem cells in osteoarthritis treatment. Journal of Orthopaedic Translation, 2017, 9, 89-103.	3.9	82
32	Intermittent Parathyroid Hormone After Prolonged Alendronate Treatment Induces Substantial New Bone Formation and Increases Bone Tissue Heterogeneity in Ovariectomized Rats. Journal of Bone and Mineral Research, 2017, 32, 1703-1715.	2.8	9
33	Cell therapy for the degenerating intervertebral disc. Translational Research, 2017, 181, 49-58.	5.0	67
34	Suppression of Sclerostin Alleviates Radiation-Induced Bone Loss by Protecting Bone-Forming Cells and Their Progenitors Through Distinct Mechanisms. Journal of Bone and Mineral Research, 2017, 32, 360-372.	2.8	88
35	EGFR signaling is critical for maintaining the superficial layer of articular cartilage and preventing osteoarthritis initiation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14360-14365.	7.1	83
36	Yap1 Regulates Multiple Steps of Chondrocyte Differentiation during Skeletal Development and Bone Repair. Cell Reports, 2016, 14, 2224-2237.	6.4	126

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37	Isolating Endosteal Mesenchymal Progenitors from Rodent Long Bones. Methods in Molecular Biology, 2015, 1226, 19-29.	0.9	7
38	PTH1â€“34 alleviates radiotherapy-induced local bone loss by improving osteoblast and osteocyte survival. Bone, 2014, 67, 33-40.	2.9	77
39	A closer look at the immediate trabecula response to combined parathyroid hormone and alendronate treatment. Bone, 2014, 61, 149-157.	2.9	27
40	Reduced EGFR signaling enhances cartilage destruction in a mouse osteoarthritis model. Bone Research, 2014, 2, 14015.	11.4	47
41	Mesenchymal progenitors residing close to the bone surface are functionally distinct from those in the central bone marrow. Bone, 2013, 53, 575-586.	2.9	92
42	3D image registration is critical to ensure accurate detection of longitudinal changes in trabecular bone density, microstructure, and stiffness measurements in rat tibiae by in vivo microcomputed tomography (Î¼CT). Bone, 2013, 56, 83-90.	2.9	40
43	PTH prevents the adverse effects of focal radiation on bone architecture in young rats. Bone, 2013, 55, 449-457.	2.9	49
44	Epidermal Growth Factor Receptor (EGFR) Signaling Promotes Proliferation and Survival in Osteoprogenitors by Increasing Early Growth Response 2 (EGR2) Expression. Journal of Biological Chemistry, 2013, 288, 20488-20498.	3.4	86
45	Epidermal Growth Factor Receptor (EGFR) Signaling Regulates Epiphyseal Cartilage Development through Î²-Catenin-dependent and -independent Pathways. Journal of Biological Chemistry, 2013, 288, 32229-32240.	3.4	50
46	Transforming growth factor alpha controls the transition from hypertrophic cartilage to bone during endochondral bone growth. Bone, 2012, 51, 131-141.	2.9	60
47	Amphiregulin-EGFR Signaling Mediates the Migration of Bone Marrow Mesenchymal Progenitors toward PTH-Stimulated Osteoblasts and Osteocytes. PLoS ONE, 2012, 7, e50099.	2.5	36
48	Epidermal growth factor receptor plays an anabolic role in bone metabolism in vivo. Journal of Bone and Mineral Research, 2011, 26, 1022-1034.	2.8	79
49	The Critical Role of the Epidermal Growth Factor Receptor in Endochondral Ossification. Journal of Bone and Mineral Research, 2011, 26, 2622-2633.	2.8	84
50	EGF-like Ligands Stimulate Osteoclastogenesis by Regulating Expression of Osteoclast Regulatory Factors by Osteoblasts. Journal of Biological Chemistry, 2007, 282, 26656-26665.	3.4	99
51	Transcription Regulation of ompF and ompC by a Single Transcription Factor, OmpR. Journal of Biological Chemistry, 2006, 281, 17114-17123.	3.4	133
52	Stimulation of amphiregulin expression in osteoblastic cells by parathyroid hormone requires the protein kinase A and cAMP response element-binding protein signaling pathway. Journal of Cellular Biochemistry, 2005, 96, 632-640.	2.6	32
53	Amphiregulin Is a Novel Growth Factor Involved in Normal Bone Development and in the Cellular Response to Parathyroid Hormone Stimulation. Journal of Biological Chemistry, 2005, 280, 3974-3981.	3.4	85
54	Parathyroid Hormone Uses Multiple Mechanisms to Arrest the Cell Cycle Progression of Osteoblastic Cells from G1 to S Phase. Journal of Biological Chemistry, 2005, 280, 3104-3111.	3.4	87

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55	Parathyroid hormone: a double-edged sword for bone metabolism. Trends in Endocrinology and Metabolism, 2004, 15, 60-65.	7.1	243
56	Cysteine-Scanning Analysis of the Dimerization Domain of EnvZ, an Osmosensing Histidine Kinase. Journal of Bacteriology, 2003, 185, 3429-3435.	2.2	29
57	A monomeric histidine kinase derived from EnvZ, an Escherichia coli osmosensor. Molecular Microbiology, 2000, 36, 24-32.	2.5	38
58	Histidine kinases: diversity of domain organization. Molecular Microbiology, 1999, 34, 633-640.	2.5	227
59	NMR structure of the histidine kinase domain of the E. coli osmosensor EnvZ. Nature, 1998, 396, 88-92.	27.8	248
60	Hierarchical and co-operative binding of OmpR to a fusion construct containing theompCandompFupstream regulatory sequences ofEscherichia coli. Genes To Cells, 1998, 3, 777-788.	1.2	33