Dengshun Miao

List of Publications by Year
in descending order

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163 papers	7,329 citations	53660 45 h-index	64668 79 g-index
171 all docs	171 docs citations	171 times ranked	7440 citing authors

#	Article	IF	Citations
1	Calcium-independent and 1,25(OH)2D3-dependent regulation of the renin-angiotensin system in 1Î±-hydroxylase knockout mice. Kidney International, 2008, 74, 170-179.	2.6	360
2	Inactivation of the 25-Hydroxyvitamin D 1Î±-Hydroxylase and Vitamin D Receptor Demonstrates Independent and Interdependent Effects of Calcium and Vitamin D on Skeletal and Mineral Homeostasis. Journal of Biological Chemistry, 2004, 279, 16754-16766.	1.6	358
3	Transgenic Mice Overexpressing Human Fibroblast Growth Factor 23 (R176Q) Delineate a Putative Role for Parathyroid Hormone in Renal Phosphate Wasting Disorders. Endocrinology, 2004, 145, 5269-5279.	1.4	307
4	The Autosomal Dominant Hypophosphatemic Rickets R176Q Mutation in Fibroblast Growth Factor 23 Resists Proteolytic Cleavage and Enhances in Vivo Biological Potency. Journal of Biological Chemistry, 2003, 278, 9843-9849.	1.6	253
5	Osteoblast-derived PTHrP is a potent endogenous bone anabolic agent that modifies the therapeutic efficacy of administered PTH 1-34. Journal of Clinical Investigation, 2005, 115, 2402-2411.	3.9	252
6	Parathyroid hormone is essential for normal fetal bone formation. Journal of Clinical Investigation, 2002, 109, 1173-1182.	3.9	212
7	Histochemical Localization of Alkaline Phosphatase Activity in Decalcified Bone and Cartilage. Journal of Histochemistry and Cytochemistry, 2002, 50, 333-340.	1.3	187
8	Rosiglitazone impacts negatively on bone by promoting osteoblast/osteocyte apoptosis. Journal of Endocrinology, 2004, 183, 203-216.	1.2	179
9	Growth retardation and premature aging phenotypes in mice with disruption of the SNF2-like gene, PASG. Genes and Development, 2004, 18, 1035-1046.	2.7	163
10	Osteomalacia in Hyp Mice Is Associated with Abnormal Phex Expression and with Altered Bone Matrix Protein Expression and Deposition¹. Endocrinology, 2001, 142, 926-939.	1.4	155
11	1,25â€Dihydroxyvitamin D exerts an antiaging role by activation of Nrf2â€antioxidant signaling and inactivation of p16/p53â€senescence signaling. Aging Cell, 2019, 18, e12951.	3.0	135
12	Parathyroid hormone is essential for normal fetal bone formation. Journal of Clinical Investigation, 2002, 109, 1173-1182.	3.9	122
13	Transplanted Human Amniotic Membrane-Derived Mesenchymal Stem Cells Ameliorate Carbon Tetrachloride-Induced Liver Cirrhosis in Mouse. PLoS ONE, 2011, 6, e16789.	1.1	118
14	Severe growth retardation and early lethality in mice lacking the nuclear localization sequence and C-terminus of PTH-related protein. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20309-20314.	3.3	111
15	Parathyroid Hormone-Related Peptide Is Required for Increased Trabecular Bone Volume in Parathyroid Hormone-Null Mice. Endocrinology, 2004, 145, 3554-3562.	1.4	110
16	Osteocrin, a Novel Bone-specific Secreted Protein That Modulates the Osteoblast Phenotype. Journal of Biological Chemistry, 2003, 278, 50563-50571.	1.6	107
17	p16 deficiency attenuates intervertebral disc degeneration by adjusting oxidative stress and nucleus pulposus cell cycle. ELife, 2020, 9, .	2.8	106
18	Parathyroid Hormone-related Peptide Stimulates Osteogenic Cell Proliferation through Protein Kinase C Activation of the Ras/Mitogen-activated Protein Kinase Signaling Pathway. Journal of Biological Chemistry, 2001, 276, 32204-32213.	1.6	105

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19	Skeletal Abnormalities in Pth-Null Mice Are Influenced by Dietary Calcium. Endocrinology, 2004, 145, 2046-2053.	1.4	93
20	Partial Rescue of theHypPhenotype by Osteoblast-TargetedPHEX(Phosphate-Regulating Gene with) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2913-2925.	3.7	92
21	Genetic models show that parathyroid hormone and 1,25-dihydroxyvitamin D3 play distinct and synergistic roles in postnatal mineral ion homeostasis and skeletal development. Human Molecular Genetics, 2005, 14, 1515-1528.	1.4	89
22	Defects in mesenchymal stem cell self-renewal and cell fate determination lead to an osteopenic phenotype in Bmi-1 null mice. Journal of Bone and Mineral Research, 2010, 25, 640-652.	3.1	87
23	Overexpression of Sirt1 in mesenchymal stem cells protects against bone loss in mice by FOXO3a deacetylation and oxidative stress inhibition. Metabolism: Clinical and Experimental, 2018, 88, 61-71.	1.5	85
24	The Transcription Factor SOX9 Regulates Cell Cycle and Differentiation Genes in Chondrocytic CFK2 Cells. Journal of Biological Chemistry, 2001, 276, 41229-41236.	1.6	84
25	Pyrroloquinoline Quinone Prevents Estrogen Deficiency-Induced Osteoporosis by Inhibiting Oxidative Stress and Osteocyte Senescence. International Journal of Biological Sciences, 2019, 15, 58-68.	2.6	83
26	Short-Term Treatment of Rats with High Dose 1,25-Dihydroxyvitamin D3 Stimulates Bone Formation and Increases the Number of Osteoblast Precursor Cells in Bone Marrow*. Endocrinology, 1997, 138, 4629-4635.	1.4	78
27	Impaired endochondral bone development and osteopenia in Gli2-deficient mice. Experimental Cell Research, 2004, 294, 210-222.	1.2	78
28	TGF-Î²1/IL-11/MEK/ERK signaling mediates senescence-associated pulmonary fibrosis in a stress-induced premature senescence model of Bmi-1 deficiency. Experimental and Molecular Medicine, 2020, 52, 130-151.	3.2	78
29	Exogenous 1,25-Dihydroxyvitamin D3Exerts a Skeletal Anabolic Effect and Improves Mineral Ion Homeostasis in Mice that Are Homozygous for Both the 1Î±-Hydroxylase and Parathyroid Hormone Null Alleles. Endocrinology, 2006, 147, 4801-4810.	1.4	77
30	Parathyroid Hormone-Related Peptide Interacts with Bone Morphogenetic Protein 2 to Increase Osteoblastogenesis and Decrease Adipogenesis in Pluripotent C3H10TÂ½ Mesenchymal Cells. Endocrinology, 2003, 144, 5511-5520.	1.4	74
31	Effects of calcium and of the Vitamin D system on skeletal and calcium homeostasis: lessons from genetic models. Journal of Steroid Biochemistry and Molecular Biology, 2004, 89-90, 485-489.	1.2	71
32	Altered Ovarian Function Affects Skeletal Homeostasis Independent of the Action of Follicle-Stimulating Hormone. Endocrinology, 2007, 148, 2613-2621.	1.4	70
33	Bmi1 Regulates the Proliferation of Cochlear Supporting Cells Via the Canonical Wnt Signaling Pathway. Molecular Neurobiology, 2017, 54, 1326-1339.	1.9	69
34	1,25â€Dihydroxyvitamin D protects against ageâ€related osteoporosis by a novel VDRâ€Ezh2â€p16 signal axis. Aging Cell, 2020, 19, e13095.	3.0	67
35	Defective female reproductive function in 1,25(OH)₂D-deficient mice results from indirect effect mediated by extracellular calcium and/or phosphorus. American Journal of Physiology - Endocrinology and Metabolism, 2010, 299, E928-E935.	1.8	66
36	gp130-Mediated Signaling Is Necessary for Normal Osteoblastic Function in Vivo and in Vitro. Endocrinology, 2004, 145, 1376-1385.	1.4	60

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37	Sirt1 Promotes Osteogenic Differentiation and Increases Alveolar Bone Mass via Bmi1 Activation in Mice. Journal of Bone and Mineral Research, 2019, 34, 1169-1181.	3.1	60
38	Recruitment, augmentation and apoptosis of rat osteoclasts in 1,25-(OH)2D3 response to short-term treatment with 1,25-dihydroxyvitamin D3 in vivo. BMC Musculoskeletal Disorders, 2002, 3, 16.	0.8	52
39	Active vitamin D deficiency mediated by extracellular calcium and phosphorus results in male infertility in young mice. American Journal of Physiology - Endocrinology and Metabolism, 2015, 308, E51-E62.	1.8	52
40	Mitochondria-related miR-151a-5p reduces cellular ATP production by targeting CYTB in asthenozoospermia. Scientific Reports, 2016, 5, 17743.	1.6	52
41	Sodium/myo-inositol cotransporter 1 and myo-inositol are essential for osteogenesis and bone formation. Journal of Bone and Mineral Research, 2011, 26, 582-590.	3.1	49
42	1,25â€Dihydroxy vitamin D prevents tumorigenesis by inhibiting oxidative stress and inducing tumor cellular senescence in mice. International Journal of Cancer, 2018, 143, 368-382.	2.3	49
43	CYP24 inhibition as a therapeutic target in FGF23-mediated renal phosphate wasting disorders. Journal of Clinical Investigation, 2016, 126, 667-680.	3.9	49
44	Mitochondria-related miR-141-3p contributes to mitochondrial dysfunction in HFD-induced obesity by inhibiting PTEN. Scientific Reports, 2015, 5, 16262.	1.6	48
45	Bmiâ€1 plays a critical role in protection from renal tubulointerstitial injury by maintaining redox balance. Aging Cell, 2014, 13, 797-809.	3.0	47
46	CDKN2a/p16 Antagonizes Hepatic Stellate Cell Activation and Liver Fibrosis by Modulating ROS Levels. Frontiers in Cell and Developmental Biology, 2020, 8, 176.	1.8	47
47	Cartilage abnormalities are associated with abnormal Phex expression and with altered matrix protein and MMP-9 localization in Hyp mice. Bone, 2004, 34, 638-647.	1.4	46
48	Single-cell RNA landscape of the osteoimmunology microenvironment in periodontitis. Theranostics, 2022, 12, 1074-1096.	4.6	45
49	Abnormal neurogenesis in the dentate gyrus of adult mice lacking 1,25â€dihydroxy vitamin D₃(1,25â€(OH)₂D₃). Hippocampus, 2012, 22, 421-433.	0.9	44
50	Distinctive anabolic roles of 1,25-dihydroxyvitamin D3 and parathyroid hormone in teeth and mandible versus long bones. Journal of Endocrinology, 2009, 203, 203-213.	1.2	42
51	Early Lethality inHypMice with Targeted Deletion ofPthGene. Endocrinology, 2007, 148, 4974-4983.	1.4	41
52	1,25(OH)2D deficiency induces temporomandibular joint osteoarthritis via secretion of senescence-associated inflammatory cytokines. Bone, 2013, 55, 400-409.	1.4	41
53	Anti-aging Effect of Transplanted Amniotic Membrane Mesenchymal Stem Cells in a Premature Aging Model of Bmi-1 Deficiency. Scientific Reports, 2015, 5, 13975.	1.6	41
54	1, 25-dihydroxy-vitamin D3 with tumor necrosis factor-alpha protects against rheumatoid arthritis by promoting p53 acetylation-mediated apoptosis via Sirt1 in synoviocytes. Cell Death and Disease, 2016, 7, e2423-e2423.	2.7	41

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55	BMI-1 Mediates Estrogen-Deficiencyâ€“Induced Bone Loss by Inhibiting Reactive Oxygen Species Accumulation and T Cell Activation. Journal of Bone and Mineral Research, 2017, 32, 962-973.	3.1	40
56	1, 25(OH)₂D₃ Inhibits Hepatocellular Carcinoma Development Through Reducing Secretion of Inflammatory Cytokines from Immunocytes. Current Medicinal Chemistry, 2013, 20, 4131-4141.	1.2	40
57	Megakaryocyteâ€“Bone Marrow Stromal Cell Aggregates Demonstrate Increased Colony Formation and Alkaline Phosphatase Expressionin Vitro. Tissue Engineering, 2004, 10, 807-817.	4.9	38
58	Exogenous PTH-Related Protein and PTH Improve Mineral and Skeletal Status in 25-Hydroxyvitamin D-1Î±-Hydroxylase and PTH Double Knockout Mice. Journal of Bone and Mineral Research, 2005, 20, 1766-1777.	3.1	38
59	Alterations in phosphorus, calcium and PTHrP contribute to defects in dental and dental alveolar bone formation in calcium-sensing receptor-deficient mice. Development (Cambridge), 2010, 137, 985-992.	1.2	37
60	P16 INK4a Deletion Ameliorated Renal Tubulointerstitial Injury in a Stress-induced Premature Senescence Model of Bmi-1 Deficiency. Scientific Reports, 2017, 7, 7502.	1.6	36
61	Klotho ablation converts the biochemical and skeletal alterations in FGF23 (R176Q) transgenic mice to a Klotho-deficient phenotype. American Journal of Physiology - Endocrinology and Metabolism, 2009, 296, E79-E88.	1.8	35
62	Impairment of spatial learning and memory in transgenic mice overexpressing human fibroblast growth factor-23. Brain Research, 2011, 1412, 9-17.	1.1	35
63	The calcium-sensing receptor mediates bone turnover induced by dietary calcium and parathyroid hormone in neonates. Journal of Bone and Mineral Research, 2011, 26, 1057-1071.	3.1	35
64	The calcium-sensing receptor complements parathyroid hormone-induced bone turnover in discrete skeletal compartments in mice. American Journal of Physiology - Endocrinology and Metabolism, 2012, 302, E841-E851.	1.8	34
65	Tissue-Specific Targeting of the Pthrp Gene: The Generation of Mice with Floxed Alleles*. Endocrinology, 2001, 142, 2070-2077.	1.4	32
66	Neuronal necrosis is regulated by a conserved chromatin-modifying cascade. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13960-13965.	3.3	32
67	An Improved Transplantation Strategy for Mouse Mesenchymal Stem Cells in an Acute Myocardial Infarction Model. PLoS ONE, 2011, 6, e21005.	1.1	32
68	The calcium-sensing receptor and 25-hydroxyvitamin Dâ€“1Î±-hydroxylase interact to modulate skeletal growth and bone turnover. Journal of Bone and Mineral Research, 2010, 25, 1627-1636.	3.1	31
69	Endogenous PTH Deficiency Impairs Fracture Healing and Impedes the Fracture-Healing Efficacy of Exogenous PTH(1-34). PLoS ONE, 2011, 6, e23060.	1.1	29
70	Cranial base characteristics in anteroposterior malocclusions: A meta-analysis. Angle Orthodontist, 2016, 86, 668-680.	1.1	29
71	lncRNA UCA1 Predicts a Poor Prognosis and Regulates Cell Proliferation and Migration by Repressing p21 and SPRY1 Expression in GC. Molecular Therapy - Nucleic Acids, 2019, 18, 605-616.	2.3	29
72	Liver-specific IGF-I gene deficient mice exhibit accelerated diabetes in response to streptozotocin, associated with early onset of insulin resistance. Molecular and Cellular Endocrinology, 2003, 204, 31-42.	1.6	28

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73	Androgen Regulation of Parathyroid Hormone-Related Peptide Production in Human Prostate Cancer Cells. Endocrinology, 2003, 144, 858-867.	1.4	28
74	Bmi1 Deficient Mice Exhibit Male Infertility. International Journal of Biological Sciences, 2018, 14, 358-368.	2.6	28
75	The Chromatin Regulator BRPF3 Preferentially Activates the HBO1 Acetyltransferase but Is Dispensable for Mouse Development and Survival. Journal of Biological Chemistry, 2016, 291, 2647-2663.	1.6	27
76	Inhibition of Nrf2 degradation alleviates age-related osteoporosis induced by 1,25-Dihydroxyvitamin D deficiency. Free Radical Biology and Medicine, 2022, 178, 246-261.	1.3	27
77	Expression atlas of the multivalent epigenetic regulator Brpf1 and its requirement for survival of mouse embryos. Epigenetics, 2014, 9, 860-872.	1.3	26
78	Administration of exogenous 1,25(OH)2D3 normalizes overactivation of the central renin-angiotensin system in 1Î±(OH)ase knockout mice. Neuroscience Letters, 2015, 588, 184-189.	1.0	26
79	Pharmacologic Calcitriol Inhibits Osteoclast Lineage Commitment via the BMP-Smad1 and IÎºB-NF-Î¹B Pathways. Journal of Bone and Mineral Research, 2017, 32, 1406-1420.	3.1	26
80	Alkaline Phosphatase. , 2004, , 164-169.		25
81	The Abnormal Phenotypes of Cartilage and Bone in Calcium-Sensing Receptor Deficient Mice Are Dependent on the Actions of Calcium, Phosphorus, and PTH. PLoS Genetics, 2011, 7, e1002294.	1.5	25
82	Bmi1 Overexpression in Mesenchymal Stem Cells Exerts Antiaging and Antiosteoporosis Effects by Inactivating p16/p19 Signaling and Inhibiting Oxidative Stress. Stem Cells, 2019, 37, 1200-1211.	1.4	25
83	Cellular and molecular mechanisms of abnormal calcification following ischemiaâ€“reperfusion injury in human liver transplantation. Modern Pathology, 2007, 20, 357-366.	2.9	24
84	Bone marrow ablation demonstrates that estrogen plays an important role in osteogenesis and bone turnover via an antioxidative mechanism. Bone, 2015, 79, 94-104.	1.4	24
85	Exogenous PTH and Endogenous 1,25-Dihydroxyvitamin D Are Complementary in Inducing an Anabolic Effect on Bone. Journal of Bone and Mineral Research, 2008, 23, 1257-1266.	3.1	22
86	1,25(OH)2D3 Deficiency Induces Colon Inflammation via Secretion of Senescence-Associated Inflammatory Cytokines. PLoS ONE, 2016, 11, e0146426.	1.1	21
87	Parathyroid Hormone Contributes to Regulating Milk Calcium Content and Modulates Neonatal Bone Formation Cooperatively with Calcium. Endocrinology, 2009, 150, 561-569.	1.4	20
88	Calcium Sensing Receptor Absence Delays Postnatal Brain Development via Direct and Indirect Mechanisms. Molecular Neurobiology, 2013, 48, 590-600.	1.9	20
89	Rho Kinase Inhibitor, Fasudil, Attenuates Contrastâ€induced Acute Kidney Injury. Basic and Clinical Pharmacology and Toxicology, 2018, 122, 278-287.	1.2	20
90	The Polycomb Protein Bmi1 Plays a Crucial Role in the Prevention of 1,25(OH)₂D Deficiencyâ€induced Bone Loss. Journal of Bone and Mineral Research, 2020, 35, 583-595.	3.1	20

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91	Zinc supplementation results in improved therapeutic potential of bone marrow-derived mesenchymal stromal cells in a mouse ischemic limb model. Cytotherapy, 2011, 13, 156-164.	0.3	19
92	SIRT1/FOXO3a axis plays an important role in the prevention of mandibular bone loss induced by 1,25(OH)₂D deficiency. International Journal of Biological Sciences, 2020, 16, 2712-2726.	2.6	19
93	Absence of PTHrP Nuclear Localization and Carboxyl Terminus Sequences Leads to Abnormal Brain Development and Function. PLoS ONE, 2012, 7, e41542.	1.1	18
94	The p27 Pathway Modulates the Regulation of Skeletal Growth and Osteoblastic Bone Formation by Parathyroid Hormoneâ€"Related Peptide. Journal of Bone and Mineral Research, 2015, 30, 1969-1979.	3.1	18
95	1,25â€dihydroxyvitamin D deficiency accelerates alveolar bone loss independent of aging and extracellular calcium and phosphorus. Journal of Periodontology, 2018, 89, 983-994.	1.7	18
96	Pyrroloquinoline quinone prevents testosterone deficiency-induced osteoporosis by stimulating osteoblastic bone formation and inhibiting osteoclastic bone resorption. American Journal of Translational Research (discontinued), 2017, 9, 1230-1242.	0.0	18
97	Recombinant Human Parathyroid Hormone Related Protein 1-34 and 1-84 and Their Roles in Osteoporosis Treatment. PLoS ONE, 2014, 9, e88237.	1.1	17
98	Hepatocyte-Specific Ablation of PP2A Catalytic SubunitÎ±Attenuates Liver Fibrosis Progression via TGF-Î²1/Smad Signaling. BioMed Research International, 2015, 2015, 1-10.	0.9	16
99	BMI1 Deficiency Results in Female Infertility by Activating p16/p19 Signaling and Increasing Oxidative Stress. International Journal of Biological Sciences, 2019, 15, 870-881.	2.6	16
100	1,25-Dihydroxyvitamin D₃ contributes to regulating mammary calcium transport and modulates neonatal skeletal growth and turnover cooperatively with calcium. American Journal of Physiology - Endocrinology and Metabolism, 2011, 301, E889-E900.	1.8	15
101	Inactivation of p27 kip1 promotes chemical hepatocarcinogenesis through enhancing inflammatory cytokine secretion and STAT 3 signaling activation. Journal of Cellular Physiology, 2013, 228, 1967-1976.	2.0	15
102	p27^{kip1} deficiency accelerates dentin and alveolar bone formation. Clinical and Experimental Pharmacology and Physiology, 2014, 41, 807-816.	0.9	15
103	DNA damage checkpoint pathway modulates the regulation of skeletal growth and osteoblastic bone formation by parathyroid hormone-related peptide. International Journal of Biological Sciences, 2018, 14, 508-517.	2.6	15
104	RelA promotes proliferation but inhibits osteogenic and chondrogenic differentiation of mesenchymal stem cells. FEBS Letters, 2020, 594, 1368-1378.	1.3	15
105	Bmi-1 Absence Causes Premature Brain Degeneration. PLoS ONE, 2012, 7, e32015.	1.1	15
106	Parathyroid Hormone Administration Improves Bone Marrow Microenvironment and Partially Rescues Haematopoietic Defects in Bmi1-Null Mice. PLoS ONE, 2014, 9, e93864.	1.1	15
107	The effects of human seminal plasma and PGE2 on mitogen induced proliferation and cytokine production of human splenic lymphocytes and peripheral blood mononuclear cells. Journal of Reproductive Immunology, 1996, 30, 97-114.	0.8	14
108	Pathogenic variants screening in five non-obstructive azoospermia-associated genes. Molecular Human Reproduction, 2014, 20, 178-183.	1.3	14

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109	Biological effects of pyrroloquinoline quinone on liver damage in Bmi-1 knockout mice. Experimental and Therapeutic Medicine, 2015, 10, 451-458.	0.8	14
110	PTHrP Nuclear Localization and Carboxyl Terminus Sequences Modulate Dental and Mandibular Development in Part via the Action of p27. Endocrinology, 2016, 2016, 72-84.	1.4	14
111	Bmi deficiency causes oxidative stress and intervertebral disc degeneration which can be alleviated by antioxidant treatment. Journal of Cellular and Molecular Medicine, 2020, 24, 8950-8961.	1.6	14
112	Overexpression of Bmi1 in Lymphocytes Stimulates Skeletogenesis by Improving the Osteogenic Microenvironment. Scientific Reports, 2016, 6, 29171.	1.6	13
113	Tissue-Specific Targeting of the Pthrp Gene: The Generation of Mice with Floxed Alleles. , 0, .		13
114	Recruitment of stem cells by hepatocyte growth factor via intracoronary gene transfection in the postinfarction heart failure. Science in China Series C: Life Sciences, 2007, 50, 748-752.	1.3	12
115	Hypophosphatemia-mediated hypotension in transgenic mice overexpressing human FGF-23. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H1514-H1520.	1.5	12
116	Bone Marrow Ablation Demonstrates That Excess Endogenous Parathyroid Hormone Plays Distinct Roles in Trabecular and Cortical Bone. American Journal of Pathology, 2012, 181, 234-244.	1.9	12
117	Endogenous parathyroid hormoneâ€“related protein compensates for the absence of parathyroid hormone in promoting bone accrual in vivo in a model of bone marrow ablation. Journal of Bone and Mineral Research, 2013, 28, 1898-1911.	3.1	12
118	Heterozygous knockout of the Bmi-1 gene causes an early onset of phenotypes associated with brain aging. Age, 2014, 36, 129-139.	3.0	12
119	p16 deficiency promotes nonalcoholic steatohepatitis via regulation of hepatic oxidative stress. Biochemical and Biophysical Research Communications, 2017, 486, 264-269.	1.0	12
120	Bmi1 plays an important role in dentin and mandible homeostasis by maintaining redox balance. American Journal of Translational Research (discontinued), 2016, 8, 4716-4725.	0.0	12
121	Copy number gain of VCX, X-linked multi-copy gene, leads to cell proliferation and apoptosis during spermatogenesis. Oncotarget, 2016, 7, 78532-78540.	0.8	11
122	PQQ Dietary Supplementation Prevents Alkylating Agent-Induced Ovarian Dysfunction in Mice. Frontiers in Endocrinology, 2022, 13, 781404.	1.5	11
123	Bmiâ€1â€RING1B prevents GATA4â€dependent senescenceâ€associated pathological cardiac hypertrophy by promoting autophagic degradation of GATA4. Clinical and Translational Medicine, 2022, 12, e574.	1.7	11
124	NK cell activation and tumor infiltration are involved in the antitumor mechanism of Virulizin. Cancer Immunology, Immunotherapy, 2005, 54, 229-242.	2.0	10
125	Fibroblast growth factor 23 overexpression impacts negatively on dentin mineralization and dentinogenesis in mice. Clinical and Experimental Pharmacology and Physiology, 2011, 38, 395-402.	0.9	10
126	Rho Kinase Inhibition by Fasudil Attenuates Adriamycin-Induced Chronic Heart Injury. Cardiovascular Toxicology, 2020, 20, 351-360.	1.1	10

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127	A genome-wide association study of mitochondrial DNA in Chinese men identifies two risk single nucleotide substitutions for idiopathic oligoasthenospermia. Mitochondrion, 2015, 24, 87-92.	1.6	9
128	1,25(OH)2D3 deficiency increases TM40D tumor growth in bone and accelerates tumor-induced bone destruction in a breast cancer bone metastasis model. Biomedicine and Pharmacotherapy, 2017, 95, 1033-1039.	2.5	9
129	Effect and mechanism of pyrroloquinoline quinone on anti-osteoporosis in Bmi-1 knockout mice-Anti-oxidant effect of pyrroloquinoline quinone. American Journal of Translational Research (discontinued), 2017, 9, 4361-4374.	0.0	9
130	Sirt1 Mediates Vitamin D Deficiency-Driven Gluconeogenesis in the Liver via mTorc2/Akt Signaling. Journal of Diabetes Research, 2022, 2022, 1-16.	1.0	9
131	Synergistic effects of high dietary calcium and exogenous parathyroid hormone in promoting osteoblastic bone formation in mice. British Journal of Nutrition, 2015, 113, 909-922.	1.2	8
132	Research on the function and related mechanism of P27 gene in the intervertebral disc degeneration of mice. Experimental and Therapeutic Medicine, 2017, 14, 1141-1145.	0.8	8
133	Age-Related Increases in Marrow Fat Volumes have Regional Impacts on Bone Cell Numbers and Structure. Calcified Tissue International, 2020, 107, 126-134.	1.5	8
134	1,25-Dihydroxyvitamin D insufficiency accelerates age-related bone loss by increasing oxidative stress and cell senescence. American Journal of Translational Research (discontinued), 2020, 12, 507-518.	0.0	8
135	X-ray irradiation selectively kills thymocytes of different stages and impairs the maturation of donor-derived CD4+CD8+ thymocytes in recipient thymus. Journal of Biomedical Research, 2012, 26, 355-364.	0.7	7
136	Radioprotective effects of pyrroloquinoline quinone on parotid glands in C57BL/6J mice. Experimental and Therapeutic Medicine, 2016, 12, 3685-3693.	0.8	7
137	Loss of p27 kip1 suppresses the myocardial senescence caused by estrogen deficiency. Journal of Cellular Biochemistry, 2019, 120, 13994-14003.	1.2	7
138	Bmi1 regulate tooth and mandible development by inhibiting p16 signal pathway. Journal of Cellular and Molecular Medicine, 2021, 25, 4195-4203.	1.6	7
139	Inhibitor of ghrelin receptor reverses gefitinib resistance in lung cancer. Human Cell, 2019, 32, 360-366.	1.2	6
140	P16INK4a Deletion Ameliorates Damage of Intestinal Epithelial Barrier and Microbial Dysbiosis in a Stress-Induced Premature Senescence Model of Bmi-1 Deficiency. Frontiers in Cell and Developmental Biology, 2021, 9, 671564.	1.8	6
141	Hippocampal ischemia causes deficits in local field potential and synaptic plasticity. Journal of Biomedical Research, 2015, 29, 370.	0.7	6
142	Pyrroloquinoline quinone plays an important role in rescuing Bmi-1 mice induced developmental disorders of teeth and mandible--anti-oxidant effect of pyrroloquinoline quinone. American Journal of Translational Research (discontinued), 2018, 10, 40-53.	0.0	6
143	Deficiency of the parathyroid hormoneâ€related peptide nuclear localization and carboxyl terminal sequences leads to premature skin ageing partially mediated by the upregulation of p27. Experimental Dermatology, 2015, 24, 847-852.	1.4	5
144	Bmi-1 plays a critical role in the protection from acute tubular necrosis by mobilizing renal stem/progenitor cells. Biochemical and Biophysical Research Communications, 2017, 482, 742-749.	1.0	5

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145	Bmi-1 determines the stemness of renal stem or progenitor cells. Biochemical and Biophysical Research Communications, 2020, 529, 1165-1172.	1.0	5
146	Probing the Scope and Mechanisms of Calcitriol Actions Using Genetically Modified Mouse Models. JBMR Plus, 2021, 5, e10434.	1.3	5
147	Deletion of p16 prevents estrogen deficiency-induced osteoporosis by inhibiting oxidative stress and osteocyte senescence. American Journal of Translational Research (discontinued), 2020, 12, 672-683.	0.0	5
148	Exogenous Parathyroid Hormone Alleviates Intervertebral Disc Degeneration through the Sonic Hedgehog Signalling Pathway Mediated by CREB. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-17.	1.9	5
149	A Sonic Hedgehog-Gli-Bmi1 signaling pathway plays a critical role in p27 deficiency induced bone anabolism. International Journal of Biological Sciences, 2022, 18, 956-969.	2.6	4
150	Specific overexpression of SIRT1 in mesenchymal stem cells rescues hematopoiesis niche in BMI1 knockout mice through promoting CXCL12 expression. International Journal of Biological Sciences, 2022, 18, 2091-2103.	2.6	4
151	The effects of parathyroid hormoneâ€related peptide on cardiac angiogenesis, apoptosis, and function in mice with myocardial infarction. Journal of Cellular Biochemistry, 2019, 120, 14745-14755.	1.2	3
152	Role of p53 deficiency in socket healing after tooth extractions. Journal of Molecular Histology, 2020, 51, 55-65.	1.0	3
153	Transplantation of bone marrow-derived mesenchymal stem cells rescues partially rachitic phenotypes induced by 1,25-Dihydroxyvitamin D deficiency in mice. American Journal of Translational Research (discontinued), 2016, 8, 4382-4393.	0.0	3
154	Exogenous PTH 1-34 Attenuates Impaired Fracture Healing in Endogenous PTH Deficiency Mice via Activating Indian Hedgehog Signaling Pathway and Accelerating Endochondral Ossification. Frontiers in Cell and Developmental Biology, 2021, 9, 750878.	1.8	3
155	Chronic Alcohol Reduces Bone Mass Through Inhibiting Proliferation and Promoting Aging of Endothelial Cells in Type-H Vessels. Stem Cells and Development, 2022, 31, 541-554.	1.1	3
156	Human mitochondrial DNA haplogroup M8a influences the penetrance of m.8684C>T in Han Chinese men with non-obstructive azoospermia. Reproductive BioMedicine Online, 2018, 37, 480-488.	1.1	2
157	Role of PTHrP nuclear localization and carboxyl terminus sequences in postnatal spinal cord development. Developmental Neurobiology, 2021, 81, 47-62.	1.5	2
158	Elevated HBâ€EGF expression in neural stem cells causes middle age obesity by suppressing Hypocretin/Orexin expression. FASEB Journal, 2021, 35, e21345.	0.2	2
159	Characterization of Skeletal Phenotype and Associated Mechanisms With Chronic Intestinal Inflammation in theWinnieMouse Model of Spontaneous Chronic Colitis. Inflammatory Bowel Diseases, 2022, 28, 259-272.	0.9	2
160	Amniotic membrane mesenchymal stem cellsâ€based therapy improves Bmiâ€1â€deficient mandible osteoporosis through stimulating osteoblastic bone formation and inhibiting osteoclastic bone resorption. Journal of Tissue Engineering and Regenerative Medicine, 2022, 16, 538-549.	1.3	2
161	Skeletal and Reproductive Abnormalities in Pth-Null Mice. , 2005, , 179-196.		0
162	P27 deletion enhances hematopoiesis by paracrine action of IL22 secreted from bone marrow mesenchymal stem cells. American Journal of Translational Research (discontinued), 2020, 12, 787-799.	0.0	0

#	Article	IF	Citations
163	1,25-Dihydroxyvitamin D deficiency induces sarcopenia by inducing skeletal muscle cell senescence.. American Journal of Translational Research (discontinued), 2021, 13, 12638-12649.	0.0	0