

# Jiake Xu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

151  
papers

4,758  
citations

32  
h-index

64  
g-index

155  
ext. papers

6,200  
ext. citations

6.3  
avg, IF

5.7  
L-index

#	Paper	IF	Citations
151	Lonafarnib Inhibits Farnesyltransferase via Suppressing ERK Signaling Pathway to Prevent Osteoclastogenesis in Titanium Particle-Induced Osteolysis.. <i>Frontiers in Pharmacology</i> , <b>2022</b> , 13, 848152 <sup>5.6</sup>		
150	The Molecular Structure and Role of Humanin in Neural and Skeletal Diseases, and in Tissue Regeneration.. <i>Frontiers in Cell and Developmental Biology</i> , <b>2022</b> , 10, 823354	5.7	0
149	CYT387, a JAK-Specific Inhibitor Impedes Osteoclast Activity and Oophorectomy-Induced Osteoporosis Modulating RANKL and ROS Signaling Pathways.. <i>Frontiers in Pharmacology</i> , <b>2022</b> , 13, 829862 <sup>5.6</sup>		1
148	Single-cell RNA-seq identification of four differentially expressed survival-related genes by a TARGET: Osteosarcoma database analysis.. <i>Experimental Biology and Medicine</i> , <b>2022</b> , 15353702221080131 <sup>3.7</sup>		1
147	Versatile subtypes of pericytes and their roles in spinal cord injury repair, bone development and repair.. <i>Bone Research</i> , <b>2022</b> , 10, 30	13.3	3
146	Chrysin Protects Against Titanium Particle-Induced Osteolysis by Attenuating Osteoclast Formation and Function by Inhibiting NF- $\kappa$ B and MAPK Signaling.. <i>Frontiers in Pharmacology</i> , <b>2022</b> , 13, 793087	5.6	2
145	Onc201 reduces osteoclastogenesis and prevents ovariectomy-induced bone loss via inhibiting RANKL-induced NFATc1 activation and the integrin signaling pathway.. <i>European Journal of Pharmacology</i> , <b>2022</b> , 174908	5.3	0
144	Cycloastragenol Attenuates Osteoclastogenesis and Bone Loss by Targeting RANKL-Induced Nrf2/Keap1/ARE, NF- $\kappa$ B, Calcium, and NFATc1 Pathways.. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 810322	5.6	4
143	STAT3 and its targeting inhibitors in osteosarcoma. <i>Cell Proliferation</i> , <b>2021</b> , 54, e12974	7.9	20
142	The SQSTM1/p62 UBA domain regulates Ajuba localisation, degradation and NF- $\kappa$ B signalling function. <i>PLoS ONE</i> , <b>2021</b> , 16, e0259556	3.7	0
141	12-Deoxyphorbol 13-acetate inhibits RANKL-induced osteoclastogenesis via the attenuation of MAPK signaling and NFATc1 activation. <i>International Immunopharmacology</i> , <b>2021</b> , 101, 108177	5.8	0
140	AAV2-mediated and hypoxia response element-directed expression of bFGF in neural stem cells showed therapeutic effects on spinal cord injury in rats. <i>Cell Death and Disease</i> , <b>2021</b> , 12, 274	9.8	12
139	New physiological insights into the phenomena of deer antler: A unique model for skeletal tissue regeneration. <i>Journal of Orthopaedic Translation</i> , <b>2021</b> , 27, 57-66	4.2	6
138	12 Survival-related differentially expressed genes based on the TARGET-osteosarcoma database. <i>Experimental Biology and Medicine</i> , <b>2021</b> , 246, 2072-2081	3.7	8
137	The effects of biophysical stimulation on osteogenic differentiation and the mechanisms from ncRNAs. <i>Cell Biochemistry and Function</i> , <b>2021</b> , 39, 727-739	4.2	0
136	Biological insights into the rapid tissue regeneration of freshwater crayfish and crustaceans. <i>Cell Biochemistry and Function</i> , <b>2021</b> , 39, 740-753	4.2	0
135	Notopterol Attenuates Estrogen Deficiency-Induced Osteoporosis Repressing RANKL Signaling and Reactive Oxygen Species. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 664836	5.6	4

134	Patchouli Alcohol Modulates the Pregnancy X Receptor/Toll-like Receptor 4/Nuclear Factor Kappa B Axis to Suppress Osteoclastogenesis. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 684976	5.6	0
133	Single-Cell Transcriptomics Reveals the Complexity of the Tumor Microenvironment of Treatment-Naive Osteosarcoma. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 709210	5.3	8
132	Current research progress in targeted anti-angiogenesis therapy for osteosarcoma. <i>Cell Proliferation</i> , <b>2021</b> , 54, e13102	7.9	10
131	Molecular structure and function of microfibrillar-associated proteins in skeletal and metabolic disorders and cancers. <i>Journal of Cellular Physiology</i> , <b>2021</b> , 236, 41-48	7	10
130	The Hippo in the room: Targeting the Hippo signalling pathway for osteosarcoma therapies. <i>Journal of Cellular Physiology</i> , <b>2021</b> , 236, 1606-1615	7	5
129	Carnosol suppresses RANKL-induced osteoclastogenesis and attenuates titanium particles-induced osteolysis. <i>Journal of Cellular Physiology</i> , <b>2021</b> , 236, 1950-1966	7	6
128	The molecular structure and function of sorting nexin 10 in skeletal disorders, cancers, and other pathological conditions. <i>Journal of Cellular Physiology</i> , <b>2021</b> , 236, 4207-4215	7	0
127	Circular RNAs in childhood-related diseases and cancers: A review. <i>Cell Biochemistry and Function</i> , <b>2021</b> , 39, 458-467	4.2	0
126	A missense mutation sheds light on a novel structure-function relationship of RANKL. <i>Journal of Cellular Physiology</i> , <b>2021</b> , 236, 2800-2816	7	6
125	Inhibitory effects of biochanin A on titanium particle-induced osteoclast activation and inflammatory bone resorption via NF- $\kappa$ B and MAPK pathways. <i>Journal of Cellular Physiology</i> , <b>2021</b> , 236, 1432-1444	7	7
124	Molecular structure, gene expression and functional role of WFDC1 in angiogenesis and cancer. <i>Cell Biochemistry and Function</i> , <b>2021</b> , 39, 588-595	4.2	0
123	Osteoimmunological insights into the pathogenesis of ankylosing spondylitis. <i>Journal of Cellular Physiology</i> , <b>2021</b> , 236, 6090-6100	7	4
122	Upregulation of 15 Antisense Long Non-Coding RNAs in Osteosarcoma. <i>Genes</i> , <b>2021</b> , 12,	4.2	4
121	Morin attenuates osteoclast formation and function by suppressing the NF- $\kappa$ B, MAPK and calcium signalling pathways. <i>Phytotherapy Research</i> , <b>2021</b> , 35, 5694-5707	6.7	1
120	Inhibitory Effects of Rhaponticin on Osteoclast Formation and Resorption by Targeting RANKL-Induced NFATc1 and ROS Activity. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 645140	5.6	1
119	The molecular structure and role of LECT2 or CHM-II in arthritis, cancer, and other diseases. <i>Journal of Cellular Physiology</i> , <b>2021</b> ,	7	1
118	Oroxylin A reduces osteoclast formation and bone resorption via suppressing RANKL-induced ROS and NFATc1 activation. <i>Biochemical Pharmacology</i> , <b>2021</b> , 193, 114761	6	3
117	m6A Methylation Regulates Osteoblastic Differentiation and Bone Remodeling.. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 783322	5.7	2

116	Molecular structure, expression, and the emerging role of Siglec-15 in skeletal biology and cancer. <i>Journal of Cellular Physiology</i> , <b>2021</b> ,	7	2
115	Endothelial cells produce angiocrine factors to regulate bone and cartilage via versatile mechanisms. <i>Theranostics</i> , <b>2020</b> , 10, 5957-5965	12.1	16
114	Fumitremorgin C Attenuates Osteoclast Formation and Function Suppressing RANKL-Induced Signaling Pathways. <i>Frontiers in Pharmacology</i> , <b>2020</b> , 11, 238	5.6	2
113	Betulinic Acid Protects From Bone Loss in Ovariectomized Mice and Suppresses RANKL-Associated Osteoclastogenesis by Inhibiting the MAPK and NFATc1 Pathways. <i>Frontiers in Pharmacology</i> , <b>2020</b> , 11, 1025	5.6	6
112	The role of glial cell line-derived neurotrophic factor family member artemin in neurological disorders and cancers. <i>Cell Proliferation</i> , <b>2020</b> , 53, e12860	7.9	6
111	Conditional Knockout of PKC- $\zeta$ in Osteoclasts Favors Bone Mass Accrual in Males Due to Decreased Osteoclast Function. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 450	5.7	5
110	Dracorhodin perchlorate inhibits osteoclastogenesis through repressing RANKL-stimulated NFATc1 activity. <i>Journal of Cellular and Molecular Medicine</i> , <b>2020</b> , 24, 3303-3313	5.6	9
109	Ellagic acid protects ovariectomy-induced bone loss in mice by inhibiting osteoclast differentiation and bone resorption. <i>Journal of Cellular Physiology</i> , <b>2020</b> , 235, 5951-5961	7	8
108	Cytoplasmic PCNA is located in the actin belt and involved in osteoclast differentiation. <i>Aging</i> , <b>2020</b> , 12, 13297-13317	5.6	3
107	Arctiin abrogates osteoclastogenesis and bone resorption via suppressing RANKL-induced ROS and NFATc1 activation. <i>Pharmacological Research</i> , <b>2020</b> , 159, 104944	10.2	13
106	The emerging roles of hnRNPk. <i>Journal of Cellular Physiology</i> , <b>2020</b> , 235, 1995-2008	7	31
105	Molecular structure and the role of high-temperature requirement protein 1 in skeletal disorders and cancers. <i>Cell Proliferation</i> , <b>2020</b> , 53, e12746	7.9	7
104	Donkey genomes provide new insights into domestication and selection for coat color. <i>Nature Communications</i> , <b>2020</b> , 11, 6014	17.4	15
103	Alternative splicing of leptin receptor overlapping transcript in osteosarcoma. <i>Experimental Biology and Medicine</i> , <b>2020</b> , 245, 1437-1443	3.7	5
102	Maackiain dampens osteoclastogenesis via attenuating RANKL-stimulated NF- $\kappa$ B signalling pathway and NFATc1 activity. <i>Journal of Cellular and Molecular Medicine</i> , <b>2020</b> , 24, 12308-12317	5.6	6
101	Hymenialdisine: A Marine Natural Product That Acts on Both Osteoblasts and Osteoclasts and Prevents Estrogen-Dependent Bone Loss in Mice. <i>Journal of Bone and Mineral Research</i> , <b>2020</b> , 35, 1582-1596	6.3	18
100	Steroid-induced osteonecrosis of the femoral head reveals enhanced reactive oxygen species and hyperactive osteoclasts. <i>International Journal of Biological Sciences</i> , <b>2020</b> , 16, 1888-1900	11.2	12
99	Molecular structure, expression, and functional role of Clec11a in skeletal biology and cancers. <i>Journal of Cellular Physiology</i> , <b>2020</b> , 235, 6357-6365	7	9

98	The repair and autophagy mechanisms of hypoxia-regulated bFGF-modified primary embryonic neural stem cells in spinal cord injury. <i>Stem Cells Translational Medicine</i> , <b>2020</b> , 9, 603-619	6.9	17
97	The Effect of Exercise on the Prevention of Osteoporosis and Bone Angiogenesis. <i>BioMed Research International</i> , <b>2019</b> , 2019, 8171897	3	35
96	Protein Cyt11: its role in chondrogenesis, cartilage homeostasis, and disease. <i>Cellular and Molecular Life Sciences</i> , <b>2019</b> , 76, 3515-3523	10.3	7
95	Osthole inhibits osteoclasts formation and bone resorption by regulating NF- $\kappa$ B signaling and NFATc1 activations stimulated by RANKL. <i>Journal of Cellular Biochemistry</i> , <b>2019</b> , 120, 16052-16061	4.7	12
94	Pseurotin A Inhibits Osteoclastogenesis and Prevents Ovariectomized-Induced Bone Loss by Suppressing Reactive Oxygen Species. <i>Theranostics</i> , <b>2019</b> , 9, 1634-1650	12.1	81
93	Rhoifolin ameliorates titanium particle-stimulated osteolysis and attenuates osteoclastogenesis via RANKL-induced NF- $\kappa$ B and MAPK pathways. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 17600-17611	7	15
92	Discovery of new inhibitors against both NF- $\kappa$ B and osteoclastogenesis from in-house library with $\alpha$ -unsaturated-enone fragment. <i>Bioorganic Chemistry</i> , <b>2019</b> , 87, 638-646	5.1	3
91	Dehydrocostus lactone (DHC) suppresses estrogen deficiency-induced osteoporosis. <i>Biochemical Pharmacology</i> , <b>2019</b> , 163, 279-289	6	11
90	Cumambrin A prevents OVX-induced osteoporosis the inhibition of osteoclastogenesis, bone resorption, and RANKL signaling pathways. <i>FASEB Journal</i> , <b>2019</b> , 33, 6726-6735	0.9	8
89	Vindoline Inhibits RANKL-Induced Osteoclastogenesis and Prevents Ovariectomy-Induced Bone Loss in Mice. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 1587	5.6	12
88	Asiaticoside, a component of Centella asiatica attenuates RANKL-induced osteoclastogenesis via NFATc1 and NF- $\kappa$ B signaling pathways. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 4267-4276	7	19
87	Loureirin B suppresses RANKL-induced osteoclastogenesis and ovariectomized osteoporosis via attenuating NFATc1 and ROS activities. <i>Theranostics</i> , <b>2019</b> , 9, 4648-4662	12.1	61
86	Emerging Trend in the Pharmacotherapy of Osteoarthritis. <i>Frontiers in Endocrinology</i> , <b>2019</b> , 10, 431	5.7	33
85	Chondromodulin-1 in health, osteoarthritis, cancer, and heart disease. <i>Cellular and Molecular Life Sciences</i> , <b>2019</b> , 76, 4493-4502	10.3	10
84	Connecting Versatile lncRNAs with Heterogeneous Nuclear Ribonucleoprotein K and Pathogenic Disorders. <i>Trends in Biochemical Sciences</i> , <b>2019</b> , 44, 733-736	10.3	7
83	MiR-214 Attenuates the Osteogenic Effects of Mechanical Loading on Osteoblasts. <i>International Journal of Sports Medicine</i> , <b>2019</b> , 40, 931-940	3.6	9
82	Asperpyrone A attenuates RANKL-induced osteoclast formation through inhibiting NFATc1, Ca signalling and oxidative stress. <i>Journal of Cellular and Molecular Medicine</i> , <b>2019</b> , 23, 8269-8279	5.6	7
81	Astilbin prevents bone loss in ovariectomized mice through the inhibition of RANKL-induced osteoclastogenesis. <i>Journal of Cellular and Molecular Medicine</i> , <b>2019</b> , 23, 8355-8368	5.6	11

80	Tiliroside is a new potential therapeutic drug for osteoporosis in mice. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 16263	7	4
79	Daphnetin attenuates LPS-induced osteolysis and RANKL mediated osteoclastogenesis through suppression of ERK and NFATc1 pathways. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 17812-17823	7	16
78	Therapeutic Anabolic and Anticatabolic Benefits of Natural Chinese Medicines for the Treatment of Osteoporosis. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 1344	5.6	22
77	Cytochalasin Z11 inhibits RANKL-induced osteoclastogenesis suppressing NFATc1 activation.. <i>RSC Advances</i> , <b>2019</b> , 9, 38438-38446	3.7	4
76	Evodiamine inhibits RANKL-induced osteoclastogenesis and prevents ovariectomy-induced bone loss in mice. <i>Journal of Cellular and Molecular Medicine</i> , <b>2019</b> , 23, 522-534	5.6	16
75	Salidroside promotes rat spinal cord injury recovery by inhibiting inflammatory cytokine expression and NF- $\kappa$ B and MAPK signaling pathways. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 14259-14269	7	23
74	Vaccarin prevents titanium particle-induced osteolysis and inhibits RANKL-induced osteoclastogenesis by blocking NF- $\kappa$ B and MAPK signaling pathways. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 13832-13842	7	10
73	Pectolarigenin prevents bone loss in ovariectomized mice and inhibits RANKL-induced osteoclastogenesis via blocking activation of MAPK and NFATc1 signaling. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 13959-13968	7	11
72	Madecassoside inhibits estrogen deficiency-induced osteoporosis by suppressing RANKL-induced osteoclastogenesis. <i>Journal of Cellular and Molecular Medicine</i> , <b>2019</b> , 23, 380-394	5.6	22
71	Helvolic acid attenuates osteoclast formation and function via suppressing RANKL-induced NFATc1 activation. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 6477-6488	7	11
70	Scutellarein inhibits RANKL-induced osteoclast formation in vitro and prevents LPS-induced bone loss in vivo. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 11951-11959	7	6
69	Diosmetin inhibits osteoclast formation and differentiation and prevents LPS-induced osteolysis in mice. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 12701-12713	7	11
68	Cajaninstilbene acid inhibits osteoporosis through suppressing osteoclast formation and RANKL-induced signaling pathways. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 11792-11804	7	11
67	Poria cocos polysaccharide attenuates RANKL-induced osteoclastogenesis by suppressing NFATc1 activity and phosphorylation of ERK and STAT3. <i>Archives of Biochemistry and Biophysics</i> , <b>2018</b> , 647, 76-83 <sup>4.1</sup>		12
66	Synthesis of Janus Au nanorods/polydivinylbenzene hybrid nanoparticles for chemo-photothermal therapy. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 2481-2488	7.3	20
65	Achyranthes bidentata polysaccharide suppresses osteoclastogenesis and bone resorption via inhibiting RANKL signaling. <i>Journal of Cellular Biochemistry</i> , <b>2018</b> , 119, 4826-4835	4.7	19
64	Rheumatoid arthritis: pathological mechanisms and modern pharmacologic therapies. <i>Bone Research</i> , <b>2018</b> , 6, 15	13.3	501
63	Carnosic acid inhibits inflammation response and joint destruction on osteoclasts, fibroblast-like synoviocytes, and collagen-induced arthritis rats. <i>Journal of Cellular Physiology</i> , <b>2018</b> , 233, 6291-6303	7	22

62	Artesunate inhibits RANKL-induced osteoclastogenesis and bone resorption in vitro and prevents LPS-induced bone loss in vivo. <i>Journal of Cellular Physiology</i> , <b>2018</b> , 233, 476-485	7	31
61	The emerging role of NPNT in tissue injury repair and bone homeostasis. <i>Journal of Cellular Physiology</i> , <b>2018</b> , 233, 1887-1894	7	15
60	Luteolide prevents lipopolysaccharide-induced osteolysis and suppresses RANKL-induced osteoclastogenesis through attenuating RANKL signaling cascades. <i>Journal of Cellular Physiology</i> , <b>2018</b> , 233, 1723-1735	7	31
59	Monocrotaline Suppresses RANKL-Induced Osteoclastogenesis In Vitro and Prevents LPS-Induced Bone Loss In Vivo. <i>Cellular Physiology and Biochemistry</i> , <b>2018</b> , 48, 644-656	3-9	7
58	Light-Triggered Biomimetic Nanoerythrocyte for Tumor-Targeted Lung Metastatic Combination Therapy of Malignant Melanoma. <i>Small</i> , <b>2018</b> , 14, e1801754	11	58
57	Lumichrome inhibits osteoclastogenesis and bone resorption through suppressing RANKL-induced NFAT activation and calcium signaling. <i>Journal of Cellular Physiology</i> , <b>2018</b> , 233, 8971-8983	7	6
56	EGFL7: Master regulator of cancer pathogenesis, angiogenesis and an emerging mediator of bone homeostasis. <i>Journal of Cellular Physiology</i> , <b>2018</b> , 233, 8526-8537	7	25
55	Modulating calcium-mediated NFATc1 and mitogen-activated protein kinase deactivation underlies the inhibitory effects of kavain on osteoclastogenesis and bone resorption. <i>Journal of Cellular Physiology</i> , <b>2018</b> , 234, 789-801	7	7
54	MiR-214 is an important regulator of the musculoskeletal metabolism and disease. <i>Journal of Cellular Physiology</i> , <b>2018</b> , 234, 231-245	7	27
53	MicroRNAs as Potential Targets for Treatment of Osteoclast-Related Diseases. <i>Current Drug Targets</i> , <b>2018</b> , 19, 422-431	3	6
52	Cepharanthine suppresses osteoclast formation by modulating the nuclear factor- $\kappa$ B and nuclear factor of activated T-cell signaling pathways. <i>Journal of Cellular Biochemistry</i> , <b>2018</b> , 120, 1990	4-7	4
51	The emerging role of Hippo signaling pathway in regulating osteoclast formation. <i>Journal of Cellular Physiology</i> , <b>2018</b> , 233, 4606-4617	7	34
50	Cyanidin Chloride inhibits ovariectomy-induced osteoporosis by suppressing RANKL-mediated osteoclastogenesis and associated signaling pathways. <i>Journal of Cellular Physiology</i> , <b>2018</b> , 233, 2502-2512	7	42
49	Coupling factors and exosomal packaging microRNAs involved in the regulation of bone remodelling. <i>Biological Reviews</i> , <b>2018</b> , 93, 469-480	13-5	37
48	TNF- $\alpha$ inhibits SATB2 expression and osteoblast differentiation through NF- $\kappa$ B and MAPK pathways. <i>Oncotarget</i> , <b>2018</b> , 9, 4833-4850	3-3	15
47	Cistanche deserticola polysaccharide attenuates osteoclastogenesis and bone resorption via inhibiting RANKL signaling and reactive oxygen species production. <i>Journal of Cellular Physiology</i> , <b>2018</b> , 233, 9674-9684	7	17
46	The Emerging Role of MORC Family Proteins in Cancer Development and Bone Homeostasis. <i>Journal of Cellular Physiology</i> , <b>2017</b> , 232, 928-934	7	21
45	Bajjiasu Abrogates Osteoclast Differentiation via the Suppression of RANKL Signaling Pathways through NF- $\kappa$ B and NFAT. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6-3	18

44	Mechanical Stress Regulates Bone Metabolism Through MicroRNAs. <i>Journal of Cellular Physiology</i> , <b>2017</b> , 232, 1239-1245	7	37
43	Massage Alleviates Delayed Onset Muscle Soreness after Strenuous Exercise: A Systematic Review and Meta-Analysis. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 747	4.6	33
42	Therapeutic Potential and Outlook of Alternative Medicine for Osteoporosis. <i>Current Drug Targets</i> , <b>2017</b> , 18, 1051-1068	3	62
41	Natural Compounds for the Treatment of Psoriatic Arthritis: A Proposal Based on Multi-Targeted Osteoclastic Regulation and on a Preclinical Study. <i>JMIR Research Protocols</i> , <b>2017</b> , 6, e132	2	10
40	Deficiency of sorting nexin 10 prevents bone erosion in collagen-induced mouse arthritis through promoting NFATc1 degradation. <i>Annals of the Rheumatic Diseases</i> , <b>2016</b> , 75, 1211-8	2.4	22
39	Nitidine chloride prevents OVX-induced bone loss via suppressing NFATc1-mediated osteoclast differentiation. <i>Scientific Reports</i> , <b>2016</b> , 6, 36662	4.9	14
38	NPNT is Expressed by Osteoblasts and Mediates Angiogenesis via the Activation of Extracellular Signal-regulated Kinase. <i>Scientific Reports</i> , <b>2016</b> , 6, 36210	4.9	14
37	Osteoclast-derived exosomal miR-214-3p inhibits osteoblastic bone formation. <i>Nature Communications</i> , <b>2016</b> , 7, 10872	17.4	286
36	Current research on pharmacologic and regenerative therapies for osteoarthritis. <i>Bone Research</i> , <b>2016</b> , 4, 15040	13.3	226
35	Eriodictyol Inhibits RANKL-Induced Osteoclast Formation and Function Via Inhibition of NFATc1 Activity. <i>Journal of Cellular Physiology</i> , <b>2016</b> , 231, 1983-93	7	24
34	Treadmill running exercise prevents senile osteoporosis and upregulates the Wnt signaling pathway in SAMP6 mice. <i>Oncotarget</i> , <b>2016</b> , 7, 71072-71086	3.3	16
33	Dihydroartemisinin, an Anti-Malaria Drug, Suppresses Estrogen Deficiency-Induced Osteoporosis, Osteoclast Formation, and RANKL-Induced Signaling Pathways. <i>Journal of Bone and Mineral Research</i> , <b>2016</b> , 31, 964-74	6.3	66
32	Choline kinase mutant mice exhibit reduced phosphocholine, elevated osteoclast activity, and low bone mass. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 1729-42	5.4	21
31	MAGED1 is a negative regulator of bone remodeling in mice. <i>American Journal of Pathology</i> , <b>2015</b> , 185, 2653-67	5.8	12
30	microRNA-103a functions as a mechanosensitive microRNA to inhibit bone formation through targeting Runx2. <i>Journal of Bone and Mineral Research</i> , <b>2015</b> , 30, 330-45	6.3	113
29	Triptolide inhibits osteoclast formation, bone resorption, RANKL-mediated NF- $\kappa$ B activation and titanium particle-induced osteolysis in a mouse model. <i>Molecular and Cellular Endocrinology</i> , <b>2015</b> , 399, 346-53	4.4	31
28	EGFL7 is expressed in bone microenvironment and promotes angiogenesis via ERK, STAT3, and integrin signaling cascades. <i>Journal of Cellular Physiology</i> , <b>2015</b> , 230, 82-94	7	31
27	Cytoplasmic hnRNPk interacts with GSK3 $\beta$ and is essential for the osteoclast differentiation. <i>Scientific Reports</i> , <b>2015</b> , 5, 17732	4.9	18



26	Protein kinase C delta null mice exhibit structural alterations in articular surface, intra-articular and subchondral compartments. <i>Arthritis Research and Therapy</i> , <b>2015</b> , 17, 210	5.7	8
25	Natural Germacrene Sesquiterpenes Inhibit Osteoclast Formation, Bone Resorption, RANKL-Induced NF- $\kappa$ B Activation, and $\beta$ Casein Degradation. <i>International Journal of Molecular Sciences</i> , <b>2015</b> , 16, 26599-607	6.3	10
24	Berberine Sulfate Attenuates Osteoclast Differentiation through RANKL Induced NF- $\kappa$ B and NFAT Pathways. <i>International Journal of Molecular Sciences</i> , <b>2015</b> , 16, 27087-96	6.3	24
23	Andrographolide Inhibits Ovariectomy-Induced Bone Loss via the Suppression of RANKL Signaling Pathways. <i>International Journal of Molecular Sciences</i> , <b>2015</b> , 16, 27470-81	6.3	12
22	Protein kinase C inhibitor, GF109203X attenuates osteoclastogenesis, bone resorption and RANKL-induced NF- $\kappa$ B and NFAT activity. <i>Journal of Cellular Physiology</i> , <b>2015</b> , 230, 1235-42	7	18
21	HtrA1 is upregulated during RANKL-induced osteoclastogenesis, and negatively regulates osteoblast differentiation and BMP2-induced Smad1/5/8, ERK and p38 phosphorylation. <i>FEBS Letters</i> , <b>2014</b> , 588, 143-50	3.8	26
20	SC-514, a selective inhibitor of IKK $\alpha$ attenuates RANKL-induced osteoclastogenesis and NF- $\kappa$ B activation. <i>Biochemical Pharmacology</i> , <b>2013</b> , 86, 1775-83	6	32
19	Angiogenic factors in bone local environment. <i>Cytokine and Growth Factor Reviews</i> , <b>2013</b> , 24, 297-310	17.9	167
18	HSP90 inhibitors enhance differentiation and MITF (microphthalmia transcription factor) activity in osteoclast progenitors. <i>Biochemical Journal</i> , <b>2013</b> , 451, 235-44	3.8	51
17	Loss of protein kinase C- $\delta$ protects against LPS-induced osteolysis owing to an intrinsic defect in osteoclastic bone resorption. <i>PLoS ONE</i> , <b>2013</b> , 8, e70815	3.7	18
16	An overview of the regulation of bone remodelling at the cellular level. <i>Clinical Biochemistry</i> , <b>2012</b> , 45, 863-73	3.5	285
15	Membrane-bound receptor activator of NF $\kappa$ B ligand (RANKL) activity displayed by osteoblasts is differentially regulated by osteolytic factors. <i>Biochemical and Biophysical Research Communications</i> , <b>2012</b> , 422, 48-53	3.4	27
14	Naringin abrogates osteoclastogenesis and bone resorption via the inhibition of RANKL-induced NF- $\kappa$ B and ERK activation. <i>FEBS Letters</i> , <b>2011</b> , 585, 2755-62	3.8	72
13	Mangiferin attenuates osteoclastogenesis, bone resorption, and RANKL-induced activation of NF- $\kappa$ B and ERK. <i>Journal of Cellular Biochemistry</i> , <b>2011</b> , 112, 89-97	4.7	60
12	EGFL6 promotes endothelial cell migration and angiogenesis through the activation of extracellular signal-regulated kinase. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 22035-46	5.4	76
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10	Mutations within the TNF-like core domain of RANKL impair osteoclast differentiation and activation. <i>Molecular Endocrinology</i> , <b>2009</b> , 23, 35-46		16
9	Proteasome inhibitors impair RANKL-induced NF- $\kappa$ B activity in osteoclast-like cells via disruption of p62, TRAF6, CYLD, and I $\kappa$ B $\alpha$ signaling cascades. <i>Journal of Cellular Physiology</i> , <b>2009</b> , 220, 450-9	7	51

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5	Thapsigargin modulates osteoclastogenesis through the regulation of RANKL-induced signaling pathways and reactive oxygen species production. <i>Journal of Bone and Mineral Research</i> , <b>2005</b> , 20, 1462-71	6.3	66
4	Sesquiterpene lactone parthenolide blocks lipopolysaccharide-induced osteolysis through the suppression of NF-kappaB activity. <i>Journal of Bone and Mineral Research</i> , <b>2004</b> , 19, 1905-16	6.3	70
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