Xiao-chun Bai

List of Publications by Year
in descending order

134 papers	5,971 citations	66234 42 h-index	88477 70 g-index
143 all docs	143 docs citations	143 times ranked	9232 citing authors

#	Article	IF	Citations
1	Oxidative stress inhibits osteoblastic differentiation of bone cells by ERK and NF-Î¹B. Biochemical and Biophysical Research Communications, 2004, 314, 197-207.	1.0	491
2	Rheb Activates mTOR by Antagonizing Its Endogenous Inhibitor, FKBP38. Science, 2007, 318, 977-980.	6.0	350
3	Reactive Oxygen Species Stimulates Receptor Activator of NF-Î¹B Ligand Expression in Osteoblast. Journal of Biological Chemistry, 2005, 280, 17497-17506.	1.6	274
4	Synovial macrophage M1 polarisation exacerbates experimental osteoarthritis partially through R-spondin-2. Annals of the Rheumatic Diseases, 2018, 77, 1524-1534.	0.5	257
5	Metformin stimulates osteoprotegerin and reduces RANKL expression in osteoblasts and ovariectomized rats. Journal of Cellular Biochemistry, 2011, 112, 2902-2909.	1.2	172
6	MTORC1 coordinates the autophagy and apoptosis signaling in articular chondrocytes in osteoarthritic temporomandibular joint. Autophagy, 2020, 16, 271-288.	4.3	158
7	miR-483-5p Promotes Invasion and Metastasis of Lung Adenocarcinoma by Targeting RhoGDI1 and ALCAM. Cancer Research, 2014, 74, 3031-3042.	0.4	145
8	Key factors in mTOR regulation. Cellular and Molecular Life Sciences, 2010, 67, 239-253.	2.4	111
9	Osteoblasts secrete Cxcl9 to regulate angiogenesis in bone. Nature Communications, 2016, 7, 13885.	5.8	103
10	mTORC1 regulates PTHrP to coordinate chondrocyte growth, proliferation and differentiation. Nature Communications, 2016, 7, 11151.	5.8	92
11	Exosome Release Is Regulated by mTORC1. Advanced Science, 2019, 6, 1801313.	5.6	90
12	Metformin inhibits renal cell carcinoma in vitro and in vivo xenograft. Urologic Oncology: Seminars and Original Investigations, 2013, 31, 264-270.	0.8	87
13	Multi-mechanisms are involved in reactive oxygen species regulation of mTORC1 signaling. Cellular Signalling, 2010, 22, 1469-1476.	1.7	84
14	mTORC1 Prevents Preosteoblast Differentiation through the Notch Signaling Pathway. PLoS Genetics, 2015, 11, e1005426.	1.5	78
15	Citrate-based materials fuel human stem cells by metabonegenic regulation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11741-E11750.	3.3	75
16	Acellular spinal cord scaffold seeded with mesenchymal stem cells promotes long-distance axon regeneration and functional recovery in spinal cord injured rats. Journal of the Neurological Sciences, 2013, 325, 127-136.	0.3	72
17	Hydrogen Peroxide Induces G₂ Cell Cycle Arrest and Inhibits Cell Proliferation in Osteoblasts. Anatomical Record, 2009, 292, 1107-1113.	0.8	70
18	Intra-articular Delivery of Antago-miR-483-5p Inhibits Osteoarthritis by Modulating Matrilin 3 and Tissue Inhibitor of Metalloproteinase 2. Molecular Therapy, 2017, 25, 715-727.	3.7	70

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19	Targeting of mTORC2 prevents cell migration and promotes apoptosis in breast cancer. Breast Cancer Research and Treatment, 2012, 134, 1057-1066.	1.1	68
20	Endogenous n-3 polyunsaturated fatty acids protect against imiquimod-induced psoriasis-like inflammation via the IL-17/IL-23 axis. Molecular Medicine Reports, 2014, 9, 2097-2104.	1.1	67
21	Inhibition of mTOR signaling by oleanolic acid contributes to its antiâ€tumor activity in osteosarcoma cells. Journal of Orthopaedic Research, 2011, 29, 846-852.	1.2	66
22	Click Chemistry Plays a Dual Role in Biodegradable Polymer Design. Advanced Materials, 2014, 26, 1906-1911.	11.1	66
23	Magnesium oxide-crosslinked low-swelling citrate-based mussel-inspired tissue adhesives. Biomaterials, 2020, 232, 119719.	5.7	66
24	Enhancement of the synthesis of n-3 PUFAs infat-1transgenic mice inhibits mTORC1 signalling and delays surgically induced osteoarthritis in comparison with wild-type mice. Annals of the Rheumatic Diseases, 2014, 73, 1719-1727.	0.5	65
25	mTORC1 Inhibits NF-Î²B/NFATc1 Signaling and Prevents Osteoclast Precursor Differentiation, In Vitro and In Mice. Journal of Bone and Mineral Research, 2017, 32, 1829-1840.	3.1	65
26	Activation of mTORC1 in subchondral bone preosteoblasts promotes osteoarthritis by stimulating bone sclerosis and secretion of CXCL12. Bone Research, 2019, 7, 5.	5.4	63
27	Citric Acid-based Hydroxyapatite Composite Scaffolds Enhance Calvarial Regeneration. Scientific Reports, 2014, 4, 6912.	1.6	62
28	mTORC1 promotes aging-related venous thrombosis in mice via elevation of platelet volume and activation. Blood, 2016, 128, 615-624.	0.6	61
29	Synthesis and characterization of biomimetic citrateâ€based biodegradable composites. Journal of Biomedical Materials Research - Part A, 2014, 102, 2521-2532.	2.1	60
30	Positive-Feedback Regulation of Subchondral H-Type Vessel Formation by Chondrocyte Promotes Osteoarthritis Development in Mice. Journal of Bone and Mineral Research, 2018, 33, 909-920.	3.1	60
31	Mechanical overloading promotes chondrocyte senescence and osteoarthritis development through downregulating FBXW7. Annals of the Rheumatic Diseases, 2022, 81, 676-686.	0.5	60
32	UBAP2L arginine methylation by PRMT1 modulates stress granule assembly. Cell Death and Differentiation, 2020, 27, 227-241.	5.0	59
33	Rictor/mTORC2 Pathway in Oocytes Regulates Folliculogenesis, and Its Inactivation Causes Premature Ovarian Failure. Journal of Biological Chemistry, 2015, 290, 6387-6396.	1.6	58
34	Development of injectable citrate-based bioadhesive bone implants. Journal of Materials Chemistry B, 2015, 3, 387-398.	2.9	55
35	Tuberous sclerosis complexâ€“mediated mTORC1 overactivation promotes age-related hearing loss. Journal of Clinical Investigation, 2018, 128, 4938-4955.	3.9	55
36	Different Sex-Based Responses of Gut Microbiota During the Development of Hepatocellular Carcinoma in Liver-Specific Tsc1-Knockout Mice. Frontiers in Microbiology, 2018, 9, 1008.	1.5	52

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37	The Switch I Region of Rheb Is Critical for Its Interaction with FKBP38. Journal of Biological Chemistry, 2008, 283, 25963-25970.	1.6	51
38	Citrateâ€Based Fluorescent Biomaterials. Advanced Healthcare Materials, 2018, 7, e1800532.	3.9	51
39	Phospholipase C-Î³1 is required for cell survival in oxidative stress by protein kinase C. Biochemical Journal, 2002, 363, 395-401.	1.7	50
40	Focal adhesion protein Kindlin-2 regulates bone homeostasis in mice. Bone Research, 2020, 8, 2.	5.4	50
41	Tyrosine kinase Fyn promotes osteoarthritis by activating the Î²-catenin pathway. Annals of the Rheumatic Diseases, 2018, 77, annrheumdis-2017-212658.	0.5	48
42	Kindlin-2 inhibits Nlrp3 inflammasome activation in nucleus pulposus to maintain homeostasis of the intervertebral disc. Bone Research, 2022, 10, 5.	5.4	48
43	Targeted Inhibition of Rictor/mTORC2 in Cancer Treatment: A New Era after Rapamycin. Current Cancer Drug Targets, 2016, 16, 288-304.	0.8	46
44	Rheb GTPase Controls Apoptosis by Regulating Interaction of FKBP38 with Bcl-2 and Bcl-XL. Journal of Biological Chemistry, 2010, 285, 8621-8627.	1.6	45
45	Loss of Rictor with aging in osteoblasts promotes age-related bone loss. Cell Death and Disease, 2016, 7, e2408-e2408.	2.7	45
46	Casticin attenuates liver fibrosis and hepatic stellate cell activation by blocking TGF-Î²/Smad signaling pathway. Oncotarget, 2017, 8, 56267-56280.	0.8	44
47	Damaged brain accelerates bone healing by releasing small extracellular vesicles that target osteoprogenitors. Nature Communications, 2021, 12, 6043.	5.8	44
48	Citrateâ€Based Tanninâ€Bridged Bone Composites for Lumbar Fusion. Advanced Functional Materials, 2020, 30, 2002438.	7.8	43
49	Lipoatrophy and metabolic disturbance in mice with adipose-specific deletion of kindlin-2. JCI Insight, 2019, 4, .	2.3	43
50	Fargesin ameliorates osteoarthritis via macrophage reprogramming by downregulating MAPK and NF-ÎºB pathways. Arthritis Research and Therapy, 2021, 23, 142.	1.6	42
51	Bone and plasma citrate is reduced in osteoporosis. Bone, 2018, 114, 189-197.	1.4	41
52	Biomaterialâ€Based Metabolic Regulation in Regenerative Engineering. Advanced Science, 2019, 6, 1900819.	5.6	39
53	Rictor Regulates Spermatogenesis by Controlling Sertoli Cell Cytoskeletal Organization and Cell Polarity in the Mouse Testis. Endocrinology, 2015, 156, 4244-4256.	1.4	38
54	Colonic epithelial mTORC1 promotes ulcerative colitis through COX-2-mediated Th17 responses. Mucosal Immunology, 2018, 11, 1663-1673.	2.7	38

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55	Acute EPA-induced learning and memory impairment in mice is prevented by DHA. Nature Communications, 2020, 11, 5465.	5.8	38
56	Kindlin-2 modulates MafA and Î²-catenin expression to regulate Î²-cell function and mass in mice. Nature Communications, 2020, 11, 484.	5.8	38
57	Acellular spinal cord scaffold seeded with bone marrow stromal cells protects tissue and promotes functional recovery in spinal cordâ€injured rats. Journal of Neuroscience Research, 2014, 92, 307-317.	1.3	36
58	Activation of mTORC1 in B Lymphocytes Promotes Osteoclast Formation via Regulation of Î²-Catenin and RANKL/OPG. Journal of Bone and Mineral Research, 2016, 31, 1320-1333.	3.1	36
59	Establishment of bovine expanded potential stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	36
60	mTORC1 is a target of nordihydroguaiaretic acid to prevent breast tumor growth in vitro and in vivo. Breast Cancer Research and Treatment, 2012, 136, 379-388.	1.1	35
61	A fast degradable citrate-based bone scaffold promotes spinal fusion. Journal of Materials Chemistry B, 2015, 3, 5569-5576.	2.9	35
62	mTORC2 promotes cell survival through c-Mycâ€“dependent up-regulation of E2F1. Journal of Cell Biology, 2015, 211, 105-122.	2.3	33
63	Citrateâ€based biphasic scaffolds for the repair of large segmental bone defects. Journal of Biomedical Materials Research - Part A, 2015, 103, 772-781.	2.1	33
64	MFG-E8 regulated by miR-99b-5p protects against osteoarthritis by targeting chondrocyte senescence and macrophage reprogramming via the NF-Î¹B pathway. Cell Death and Disease, 2021, 12, 533.	2.7	33
65	Phospholipase C-Î³1 is required for cell survival in oxidative stress by protein kinase C. Biochemical Journal, 2002, 363, 395.	1.7	32
66	Osteoblasts support megakaryopoiesis through production of interleukin-9. Blood, 2017, 129, 3196-3209.	0.6	31
67	Raptor directs Sertoli cell cytoskeletal organization and polarity in the mouse testisâ€. Biology of Reproduction, 2018, 99, 1289-1302.	1.2	31
68	Focal adhesion proteins Pinch1 and Pinch2 regulate bone homeostasis in mice. JCI Insight, 2019, 4, .	2.3	28
69	Activation of mTORC1 in Collecting Ducts Causes Hyperkalemia. Journal of the American Society of Nephrology: JASN, 2014, 25, 534-545.	3.0	27
70	High ratio of Ï‰-3/Ï‰-6 polyunsaturated fatty acids targets mTORC1 to prevent high-fat diet-induced metabolic syndrome and mitochondrial dysfunction in mice. Journal of Nutritional Biochemistry, 2020, 79, 108330.	1.9	27
71	Targeted inhibition of mTORC2 prevents osteosarcoma cell migration and promotes apoptosis. Oncology Reports, 2014, 32, 382-388.	1.2	26
72	mTOR direct crosstalk with STAT5 promotes de novo lipid synthesis and induces hepatocellular carcinoma. Cell Death and Disease, 2019, 10, 619.	2.7	26

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73	Inhibition of Endometrial Cancer by n-3 Polyunsaturated Fatty Acids in Preclinical Models. Cancer Prevention Research, 2014, 7, 824-834.	0.7	25
74	TSC1 regulates osteoclast podosome organization and bone resorption through mTORC1 and Rac1/Cdc42. Cell Death and Differentiation, 2018, 25, 1549-1566.	5.0	24
75	LIM domain proteins Pinch1/2 regulate chondrogenesis and bone mass in mice. Bone Research, 2020, 8, 37.	5.4	24
76	Pentraxin 3 regulated by miR-224-5p modulates macrophage reprogramming and exacerbates osteoarthritis associated synovitis by targeting CD32. Cell Death and Disease, 2022, 13, .	2.7	24
77	FABP4 secreted by M1-polarized macrophages promotes synovitis and angiogenesis to exacerbate rheumatoid arthritis. Bone Research, 2022, 10, .	5.4	23
78	Endogenous n-3 Polyunsaturated Fatty Acids Attenuate T Cell-Mediated Hepatitis via Autophagy Activation. Frontiers in Immunology, 2016, 7, 350.	2.2	22
79	mTORC1 Activation Promotes Spermatogonial Differentiation and Causes Subfertility in Mice. Biology of Reproduction, 2016, 95, 97-97.	1.2	22
80	Fluorescence Imaging Enabled Biodegradable Photostable Polymeric Micelles. Advanced Healthcare Materials, 2014, 3, 182-186.	3.9	21
81	mTOR Overactivation in Mesenchymal cells Aggravates CCl4â^' Induced liver Fibrosis. Scientific Reports, 2016, 6, 36037.	1.6	21
82	Kindlin-2 mediates mechanotransduction in bone by regulating expression of Sclerostin in osteocytes. Communications Biology, 2021, 4, 402.	2.0	21
83	Osteocytes regulate neutrophil development through IL-19: a potent cytokine for neutropenia treatment. Blood, 2021, 137, 3533-3547.	0.6	21
84	Elevation of n-3/n-6 PUFAs ratio suppresses mTORC1 and prevents colorectal carcinogenesis associated with APC mutation. Oncotarget, 2016, 7, 76944-76954.	0.8	21
85	Kindlin-2 preserves integrity of the articular cartilage to protect against osteoarthritis. Nature Aging, 2022, 2, 332-347.	5.3	21
86	Neuronal mTORC1 Is Required for Maintaining the Nonreactive State of Astrocytes. Journal of Biological Chemistry, 2017, 292, 100-111.	1.6	20
87	DEPTOR Deficiency-Mediated mTORc1 Hyperactivation in Vascular Endothelial Cells Promotes Angiogenesis. Cellular Physiology and Biochemistry, 2018, 46, 520-531.	1.1	20
88	Vangl2 limits chaperone-mediated autophagy to balance osteogenic differentiation in mesenchymal stem cells. Developmental Cell, 2021, 56, 2103-2120.e9.	3.1	20
89	Regulation of Mammalian Target of Rapamycin Complex 1 by Bcl-2 and Bcl-XL Proteins. Journal of Biological Chemistry, 2013, 288, 28824-28830.	1.6	17
90	Chondrocyte mTORC1 activation stimulates miRâ€483â€5p via HDAC4 in osteoarthritis progression. Journal of Cellular Physiology, 2019, 234, 2730-2740.	2.0	17

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91	hUC-MSC-mediated recovery of subacute spinal cord injury through enhancing the pivotal subunits Î²3 and Î³2 of the GABA_A receptor. Theranostics, 2022, 12, 3057-3078.	4.6	17
92	Risedronate inhibits bone marrow mesenchymal stem cell adipogenesis and switches RANKL/OPG ratio to impair osteoclast differentiation. Journal of Surgical Research, 2013, 180, e21-e29.	0.8	16
93	Chondrocyte-Specific Ablation ofAMPKÎ±1Does Not Affect Bone Development or Pathogenesis of Osteoarthritis in Mice. DNA and Cell Biology, 2016, 35, 156-162.	0.9	16
94	Osteocyte TSC1 promotes sclerostin secretion to restrain osteogenesis in mice. Open Biology, 2019, 9, 180262.	1.5	15
95	Pinch Loss Ameliorates Obesity, Glucose Intolerance, and Fatty Liver by Modulating Adipocyte Apoptosis in Mice. Diabetes, 2021, 70, 2492-2505.	0.3	15
96	Endogenous n 3 polyunsaturated fatty acids PUFAs mitigate ovariectomy-induced bone loss by attenuating bone marrow adipogenesis in FAT1 transgenic mice. Drug Design, Development and Therapy, 2013, 7, 545.	2.0	13
97	Loss of DEPTOR in renal tubules protects against cisplatin-induced acute kidney injury. Cell Death and Disease, 2018, 9, 441.	2.7	13
98	Inactivation of mTORC1 Signaling in Osterix-Expressing Cells Impairs B-cell Differentiation. Journal of Bone and Mineral Research, 2018, 33, 732-742.	3.1	13
99	ETS2 promotes epithelial-to-mesenchymal transition in renal fibrosis by targeting JUNB transcription. Laboratory Investigation, 2020, 100, 438-453.	1.7	12
100	n-3 polyunsaturated fatty acids abrogate mTORC1/2 signaling and inhibit adrenocortical carcinoma growth in vitro and in vivo. Oncology Reports, 2016, 35, 3514-3522.	1.2	11
101	Loss of Fbxw7 in Sertoli cells impairs testis development and causes infertility in miceâ€. Biology of Reproduction, 2020, 102, 963-974.	1.2	11
102	DEPTOR Prevents Osteoarthritis Development Via Interplay With TRC8 to Reduce Endoplasmic Reticulum Stress in Chondrocytes. Journal of Bone and Mineral Research, 2020, 36, 400-411.	3.1	11
103	DEPTOR exacerbates boneâ€“fat imbalance in osteoporosis by transcriptionally modulating BMSC differentiation. Biomedicine and Pharmacotherapy, 2022, 151, 113164.	2.5	10
104	Tsc1 deficiency impairs mammary development in mice by suppression of AKT, nuclear ERÎ± and cell-cycle-driving proteins. Scientific Reports, 2016, 6, 19587.	1.6	9
105	Nâ€(3â€methoxybenzyl)â€(9Z,12Z,15Z)â€octadecatrienamide promotes bone formation via the canonical Wnt/Î²â€catenin signaling pathway. Phytotherapy Research, 2019, 33, 1074-1083.	2.8	9
106	Bâ€cellâ€specificâ€peroxisome proliferatorâ€activated receptor Î³ deficiency augments contact hypersensitivity with impaired regulatory B cells. Immunology, 2019, 156, 282-296.	2.0	9
107	Association between proton pump inhibitors use and risk of hip fracture: A general population-based cohort study. Bone, 2020, 139, 115502.	1.4	9
108	mTORC1 induces plasma membrane depolarization and promotes preosteoblast senescence by regulating the sodium channel Scn1a. Bone Research, 2022, 10, 25.	5.4	9

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109	Development of Biodegradable Osteopromotive Citrateâ€Based Bone Putty. Small, 2022, 18, .	5.2	9
110	SPTBN1 Prevents Primary Osteoporosis by Modulating Osteoblasts Proliferation and Differentiation and Blood Vessels Formation in Bone. Frontiers in Cell and Developmental Biology, 2021, 9, 653724.	1.8	8
111	Enhancement of osteogenesis postâ€splenectomy does not attenuate bone loss in ovariectomized rats. Journal of Orthopaedic Research, 2015, 33, 1356-1363.	1.2	7
112	Rictor Is a Novel Regulator of TRAF6/TRAF3 in Osteoclasts. Journal of Bone and Mineral Research, 2020, 36, 2053-2064.	3.1	7
113	Chondrocyte-Specific Knockout of TSC-1 Leads to Congenital Spinal Deformity in Mice. BioMed Research International, 2017, 2017, 1-7.	0.9	6
114	Tsc1 regulates tight junction independent of mTORC1. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	6
115	A Bama miniature pig model of monoallelic TSC1 mutation for human tuberous sclerosis complex. Journal of Genetics and Genomics, 2020, 47, 735-742.	1.7	6
116	Design Strategies and Applications of Citrate-Based Biodegradable Elastomeric Polymers. , 2014, , 259-285.		5
117	Low-dose arsenic trioxide combined with aclacinomycin A synergistically enhances the cytotoxic effect on human acute myelogenous leukemia cell lines by induction of apoptosis. Leukemia and Lymphoma, 2015, 56, 3159-3167.	0.6	5
118	Endogenous Production of n-3 Polyunsaturated Fatty Acids Promotes Fracture Healing in Mice. Journal of Healthcare Engineering, 2017, 2017, 1-6.	1.1	4
119	TSC1 deletion in fibroblasts alleviates lipopolysaccharide-induced acute kidney injury. Clinical Science, 2018, 132, 2087-2101.	1.8	4
120	Interleukin 9 prevents immune thrombocytopenia in mice via JAK/STAT5 signaling. Experimental Cell Research, 2020, 388, 111801.	1.2	4
121	DNMT1 is a negative regulator of osteogenesis. Biology Open, 2022, 11, .	0.6	4
122	Bindarit Reduces Bone Loss in Ovariectomized Mice by Inhibiting <scp>CCL2</scp> and <scp>CCL7</scp> Expression via the <scp>NFâ€ÎºB</scp> Signaling Pathway. Orthopaedic Surgery, 2022, 14, 1203-1216.	0.7	4
123	Bone Composites: Citrateâ€Based Tanninâ€Bridged Bone Composites for Lumbar Fusion (Adv. Funct. Mater.) Tj ETQq1 1 0.784314 rgBT	7.8	3
124	Sympathetic activity is correlated with satellite cell aging and myogenesis via Î²2-adrenoceptor. Stem Cell Research and Therapy, 2021, 12, 505.	2.4	3
125	Exosomal myeloperoxidase as a biomarker of deep venous thrombosis. Annals of Translational Medicine, 2022, 10, 9-9.	0.7	2
126	Mesenchymal Stem Cell-Specific and Preosteoblast-Specific Ablation of TSC1 in Mice Lead to Severe and Slight Spinal Dysplasia, Respectively. BioMed Research International, 2020, 2020, 1-7.	0.9	1

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127	Analysis of the mTOR Interactome using SILAC technology revealed NICE-4 as a novel regulator of mTORC1 activity. Life Sciences, 2021, 281, 119745.	2.0	1
128	Loss of Raptor induces Sertoli cells into an undifferentiated state in mice. Biology of Reproduction, 2022, 107, 1125-1138.	1.2	1
129	Biodegradable Polymers: Click Chemistry Plays a Dual Role in Biodegradable Polymer Design (Adv.) Tj ETQq1 1 0.784314 rgBT /Overlo	11.1	0
130	Synergistic Lethal Effects Between Gemcitabine and Arsenic Trioxide on Non-Hodgkin Lymphoma Cell Lines Is Associated with Modulation of PI3K/Akt Signaling Pathway. Blood, 2014, 124, 5306-5306.	0.6	0
131	Low-Dose Arsenic Trioxide Combined with Aclacinomycin a Synergistically Enhance the Cytotoxic Effect on Human Acute Myelogenous Leukemia KG-1a Cell Line By the Induction of Apoptosis. Blood, 2014, 124, 5303-5303.	0.6	0
132	mTORC2 promotes cell survival through c-Mycâ€“dependent up-regulation of E2F1. Journal of Experimental Medicine, 2015, 212, 21211OIA88.	4.2	0
133	Deletion of Rheb1 in Osteocytes Leads to Osteopenia Characterized by Reduced Bone Formation and Enhanced Bone Resorption. DNA and Cell Biology, 0, , .	0.9	0
134	Response to: Correspondence on â€˜Mechanical overloading promotes chondrocyte senescence and osteoarthritis development through downregulating FBXW7â€™ by Loeser et al. Annals of the Rheumatic Diseases, 0, , annrheumdis-2022-222710.	0.5	0