Chisato Miyaura

List of Publications by Year
in descending order

104	6,689	87888 38	62596 80
papers	citations	h-index	g-index

108	108	108	5687
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Endosomal TLR3 signaling in stromal osteoblasts induces prostaglandin E2â€“mediated inflammatory periodontal bone resorption. Journal of Biological Chemistry, 2022, 298, 101603.	3.4	5
2	Gram-positive bacteria cell wall-derived lipoteichoic acid induces inflammatory alveolar bone loss through prostaglandin E production in osteoblasts. Scientific Reports, 2021, 11, 13353.	3.3	18
3	The Combination of Soy Isoflavones and Resveratrol Preserve Bone Mineral Density in Hindlimb-Unloaded Mice. Nutrients, 2020, 12, 2043.	4.1	8
4	Molecular evidence of IGFBP-3 dependent and independent VD3 action and its nonlinear response on IGFBP-3 induction in prostate cancer cells. BMC Cancer, 2020, 20, 802.	2.6	6
5	Hypergravity and microgravity exhibited reversal effects on the bone and muscle mass in mice. Scientific Reports, 2019, 9, 6614.	3.3	51
6	Beta-Cryptoxanthin Inhibits Lipopolysaccharide-Induced Osteoclast Differentiation and Bone Resorption via the Suppression of Inhibitor of NF-Î¹B Kinase Activity. Nutrients, 2019, 11, 368.	4.1	28
7	Structure-Activity Relationship of Anthocyanidins as an Inhibitory Effect on Osteoclast Differentiation. BPB Reports, 2019, 2, 1-6.	0.3	1
8	Raloxifene reduces the risk of local alveolar bone destruction in a mouse model of periodontitis combined with systemic postmenopausal osteoporosis. Archives of Oral Biology, 2018, 85, 98-103.	1.8	6
9	Low Molecular-Weight Curdlan, (1â†'3)-Î²-Glucan Suppresses TLR2-Induced RANKL-Dependent Bone Resorption. Biological and Pharmaceutical Bulletin, 2018, 41, 1282-1285.	1.4	13
10	Effects of Polymethoxyflavonoids on Bone Loss Induced by Estrogen Deficiency and by LPS-Dependent Inflammation in Mice. Pharmaceuticals, 2018, 11, 7.	3.8	14
11	Development of Human Resources in Science and Technology. Trends in the Sciences, 2018, 23, 11_63-11_66.	0.0	1
12	Indoxyl sulfate, a uremic toxin in chronic kidney disease, suppresses both bone formation and bone resorption. FEBS Open Bio, 2017, 7, 1178-1185.	2.3	41
13	Effects of Oâ€methylated (â^')â€epigallocatechin gallate (<scp>EGCG</scp>) on <scp>LPS</scp>â€induced osteoclastogenesis, bone resorption, and alveolar bone loss in mice. FEBS Open Bio, 2017, 7, 1972-1981.	2.3	19
14	Lutein, a carotenoid, suppresses osteoclastic bone resorption and stimulates bone formation in cultures. Bioscience, Biotechnology and Biochemistry, 2017, 81, 302-306.	1.3	16
15	Lutein Enhances Bone Mass by Stimulating Bone Formation and Suppressing Bone Resorption in Growing Mice. Biological and Pharmaceutical Bulletin, 2017, 40, 716-721.	1.4	14
16	Strengthening of Female Researchers' Activities: The Support System in TUAT. Trends in the Sciences, 2017, 22, 8_80-8_86.	0.0	0
17	BA321, a novel carborane analog that binds to androgen and estrogen receptors, acts as a new selective androgen receptor modulator of bone in male mice. Biochemical and Biophysical Research Communications, 2016, 478, 279-285.	2.1	22
18	Abrogation of prostaglandin E-EP4 signaling in osteoblasts prevents the bone destruction induced by human prostate cancer metastases. Biochemical and Biophysical Research Communications, 2016, 478, 154-161.	2.1	6

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19	The MET/Vascular Endothelial Growth Factor Receptor (VEGFR)-targeted Tyrosine Kinase Inhibitor Also Attenuates FMS-dependent Osteoclast Differentiation and Bone Destruction Induced by Prostate Cancer. Journal of Biological Chemistry, 2016, 291, 20891-20899.	3.4	22
20	The Optimal Duration of PTH(1â€“34) Infusion Is One Hour per Day to Increase Bone Mass in Rats. Biological and Pharmaceutical Bulletin, 2016, 39, 625-630.	1.4	15
21	An improved procedure for isolation of high-quality RNA from nematode-infected Arabidopsis roots through laser capture microdissection. Plant Methods, 2016, 12, 25.	4.3	25
22	Combined Effects of Soy Isoflavones and Î²-Carotene on Osteoblast Differentiation. International Journal of Environmental Research and Public Health, 2015, 12, 13750-13761.	2.6	26
23	Direct Melanoma Cell Contact Induces Stromal Cell Autocrine Prostaglandin E2-EP4 Receptor Signaling That Drives Tumor Growth, Angiogenesis, and Metastasis. Journal of Biological Chemistry, 2015, 290, 29781-29793.	3.4	35
24	Indoxyl sulfate exacerbates low bone turnover induced by parathyroidectomy in young adult rats. Bone, 2015, 79, 252-258.	2.9	27
25	Epigallocatechin gallate (EGCG) suppresses lipopolysaccharideâ€induced inflammatory bone resorption, and protects against alveolar bone loss in mice. FEBS Open Bio, 2015, 5, 522-527.	2.3	45
26	Heptamethoxyflavone, a citrus flavonoid, suppresses inflammatory osteoclastogenesis and alveolar bone resorption. Bioscience, Biotechnology and Biochemistry, 2015, 79, 155-158.	1.3	10
27	Bombyx mori silk fibroin scaffolds for bone regeneration studied by bone differentiation experiment. Journal of Bioscience and Bioengineering, 2013, 115, 575-578.	2.2	26
28	Bi-Phasic Effect of Equol on Adipocyte Differentiation of MC3T3-L1 Cells. Bioscience, Biotechnology and Biochemistry, 2013, 77, 201-204.	1.3	3
29	The Protective Effects of Î²-Cryptoxanthin on Inflammatory Bone Resorption in a Mouse Experimental Model of Periodontitis. Bioscience, Biotechnology and Biochemistry, 2013, 77, 860-862.	1.3	19
30	Possible role of S-equol on bone loss via amelioration of inflammatory indices in ovariectomized mice. Journal of Clinical Biochemistry and Nutrition, 2013, 53, 41-48.	1.4	22
31	Capsaicin, a TRPV1 Ligand, Suppresses Bone Resorption by Inhibiting the Prostaglandin E Production of Osteoblasts, and Attenuates the Inflammatory Bone Loss Induced by Lipopolysaccharide. ISRN Pharmacology, 2012, 2012, 1-6.	1.6	23
32	The Correlation between Postmenopausal Osteoporosis and Inflammatory Periodontitis Regarding Bone Loss in Experimental Models. Experimental Animals, 2012, 61, 183-187.	1.1	27
33	Polymethoxy Flavonoids, Nobiletin and Tangeretin, Prevent Lipopolysaccharide-Induced Inflammatory Bone Loss in an Experimental Model for Periodontitis. Journal of Pharmacological Sciences, 2012, 119, 390-394.	2.5	58
34	Synthesis of vitamin D3 derivatives with nitrogen-linked substituents at A-ring C-2 and evaluation of their vitamin D receptor-mediated transcriptional activity. Organic and Biomolecular Chemistry, 2012, 10, 7826.	2.8	8
35	Toll-like receptor 2 heterodimers, TLR2/6 and TLR2/1 induce prostaglandin E production by osteoblasts, osteoclast formation and inflammatory periodontitis. Biochemical and Biophysical Research Communications, 2012, 428, 110-115.	2.1	34
36	Nobiletin, a Polymethoxy Flavonoid, Suppresses Bone Resorption by Inhibiting NFÎºB-Dependent Prostaglandin E Synthesis in Osteoblasts and Prevents Bone Loss Due to Estrogen Deficiency. Journal of Pharmacological Sciences, 2011, 115, 89-93.	2.5	47

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37	Cell Shape and Matrix Production of Fibroblasts Cultured on Fibroin-organized Silk Scaffold with Type-II .BETA.-turn Structured (Ala-Gly-Ala-Gly-Ser-Gly)n Sequences. Journal of Health Science, 2010, 56, 738-744.	0.9	5
38	Comparative Effects of Estrogen and Raloxifene on B Lymphopoiesis and Bone Loss Induced by Sex Steroid Deficiency in Mice. Journal of Bone and Mineral Research, 2010, 15, 541-549.	2.8	88
39	Pyrroloquinoline quinone inhibits the fibrillation of amyloid proteins. Prion, 2010, 4, 26-31.	1.8	29
40	A novel carborane analog, BE360, with a carbon-containing polyhedral boron-cluster is a new selective estrogen receptor modulator for bone. Biochemical and Biophysical Research Communications, 2009, 380, 218-222.	2.1	33
41	Hyaluronan inhibits bone resorption by suppressing prostaglandin E synthesis in osteoblasts treated with interleukin-1. Biochemical and Biophysical Research Communications, 2009, 381, 139-143.	2.1	17
42	Role of Prostaglandin E in Receptor Activator of Nuclear Factor-.KAPPA.B Ligand (RANKL) Expression in Osteoblasts Induced by Cell Adhesion to Bone Marrow B-lymphocytes. Journal of Health Science, 2009, 55, 832-837.	0.9	1
43	Naringin Suppresses Osteoclast Formation and Enhances Bone Mass in Mice. Journal of Health Science, 2009, 55, 463-467.	0.9	20
44	Novel vitamin D3 analogs, 1Î±, 25(OH)2D3-26, 23-lactam (DLAMs), antagonize bone resorption via suppressing RANKL expression in osteoblasts. Biochemical and Biophysical Research Communications, 2008, 372, 434-439.	2.1	12
45	1.ALPHA.,25-Dihydroxyvitamin D3-26,23-lactam, a Novel Vitamin D3 Analog, Acts as a Vitamin D3 Antagonist in Human Prostate Cancer Cells. Journal of Health Science, 2008, 54, 497-502.	0.9	1
46	Prostaglandin E Receptor EP4 Antagonist Suppresses Lipopolysaccharide-Induced Osteoclast Formation and Inflammatory Bone Loss. Journal of Health Science, 2007, 53, 234-239.	0.9	0
47	Capsaicin, A Ligand for Vanilloid Receptor-1, Transduces Suppressive Signal for Osteoclast Differentiation in Bone. Journal of Health Science, 2007, 53, 240-244.	0.9	1
48	Prostaglandin E receptor EP4 antagonist suppresses osteolysis due to bone metastasis of mouse malignant melanoma cells. FEBS Letters, 2007, 581, 565-571.	2.8	30
49	Prevention of aortic calcification by etidronate in the renal failure rat model. European Journal of Pharmacology, 2007, 558, 159-166.	3.5	46
50	Estrogen and androgen play distinct roles in bone turnover in male mice before and after reaching sexual maturity. Bone, 2006, 38, 220-226.	2.9	44
51	Soybean isoflavones preserve bone mass in hindlimb-unloaded mice. Journal of Bone and Mineral Metabolism, 2006, 24, 439-446.	2.7	14
52	Membrane-Bound Prostaglandin E Synthase-1-Mediated Prostaglandin E2 Production by Osteoblast Plays a Critical Role in Lipopolysaccharide-Induced Bone Loss Associated with Inflammation. Journal of Immunology, 2006, 177, 1879-1885.	0.8	110
53	Critical roles for collagenase-3 (Mmp13) in development of growth plate cartilage and in endochondral ossification. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 17192-17197.	7.1	502
54	B-Lymphocytes are Elevated in Mouse Bone Marrow by Estrogen Deficiency, and Induce Receptor Activator of Nuclear Factor .KAPPA.B Ligand (RANKL) Expression in Osteoblasts via Cell Adhesion. Journal of Health Science, 2004, 50, 309-314.	0.9	1

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55	Dietary Bisphenol A Suppresses the Growth of Newborn Pups by Insufficient Supply of Maternal Milk in Mice. Journal of Health Science, 2004, 50, 315-318.	0.9	14
56	Role of prostaglandin E produced by osteoblasts in osteolysis due to bone metastasis. Biochemical and Biophysical Research Communications, 2003, 300, 957-964.	2.1	57
57	An Essential Role of Cytosolic Phospholipase A2Î± in Prostaglandin E2â€“mediated Bone Resorption Associated with Inflammation. Journal of Experimental Medicine, 2003, 197, 1303-1310.	8.5	164
58	Boron clusters for medicinal drug design: Selective estrogen receptor modulators bearing carborane. Pure and Applied Chemistry, 2003, 75, 1197-1205.	1.9	56
59	Dietary bisphenol A prevents ovarian degeneration and bone loss in female mice lacking the aromatase gene (Cyp19 â€Š). FEBS Journal, 2002, 269, 2214-2222.	0.2	34
60	Sex- and Age-Related Response to Aromatase Deficiency in Bone. Biochemical and Biophysical Research Communications, 2001, 280, 1062-1068.	2.1	112
61	Potent estrogen agonists based on carborane as a hydrophobic skeletal structure. Chemistry and Biology, 2001, 8, 341-355.	6.0	172
62	Connection Between B Lymphocyte and Osteoclast Differentiation Pathways. Journal of Immunology, 2001, 167, 2625-2631.	0.8	215
63	Impaired Bone Resorption to Prostaglandin E2 in Prostaglandin E Receptor EP4-knockout Mice. Journal of Biological Chemistry, 2000, 275, 19819-19823.	3.4	193
64	Intracellular Calcium and Protein Kinase C Mediate Expression of Receptor Activator of Nuclear Factor-Î¹B Ligand and Osteoprotegerin in Osteoblasts. Endocrinology, 2000, 141, 4711-4719.	2.8	85
65	The Role of Prostaglandin E Receptor Subtypes (EP1, EP2, EP3, and EP4) in Bone Resorption: An Analysis Using Specific Agonists for the Respective EPs. Endocrinology, 2000, 141, 1554-1559.	2.8	354
66	Difference in Effective Dosage of Genistein on Bone and Uterus in Ovariectomized Mice. Biochemical and Biophysical Research Communications, 2000, 274, 697-701.	2.1	164
67	Intracellular Calcium and Protein Kinase C Mediate Expression of Receptor Activator of Nuclear Factor-ÂB Ligand and Osteoprotegerin in Osteoblasts. Endocrinology, 2000, 141, 4711-4719.	2.8	29
68	The Role of Prostaglandin E Receptor Subtypes (EP1, EP2, EP3, and EP4) in Bone Resorption: An Analysis Using Specific Agonists for the Respective EPs. Endocrinology, 2000, 141, 1554-1559.	2.8	169
69	Selective Effects of Genistein, a Soybean Isoflavone, on B-Lymphopoiesis and Bone Loss Caused by Estrogen Deficiency*. Endocrinology, 1999, 140, 1893-1900.	2.8	234
70	Independent impairment of osteoblast and osteoclast differentiation in klotho mouse exhibiting low-turnover osteopenia. Journal of Clinical Investigation, 1999, 104, 229-237.	8.2	184
71	Selective Effects of Genistein, a Soybean Isoflavone, on B-Lymphopoiesis and Bone Loss Caused by Estrogen Deficiency. Endocrinology, 1999, 140, 1893-1900.	2.8	98
72	Regulation of Matrix Metalloproteinases (MMP-2, -3, -9, and -13) by Interleukin-1 and Interleukin-6 in Mouse Calvaria: Association of MMP Induction with Bone Resorption*. Endocrinology, 1998, 139, 1338-1345.	2.8	341

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73	Expression of Estrogen Receptor Î² in Rat Bone. Endocrinology, 1997, 138, 4509-4512.	2.8	281
74	Transcriptional Induction of Cyclooxygenase-2 in Osteoblasts Is Involved in Interleukin-6-Induced Osteoclast Formation*. Endocrinology, 1997, 138, 2372-2379.	2.8	130
75	Activation of Cytosolic Phospholipase A2 by Platelet-derived Growth Factor Is Essential for Cyclooxygenase-2-dependent Prostaglandin E2 Synthesis in Mouse Osteoblasts Cultured with Interleukin-1. Journal of Biological Chemistry, 1997, 272, 5952-5958.	3.4	106
76	Transcriptional Induction of Cyclooxygenase-2 in Osteoblasts Is Involved in Interleukin-6-Induced Osteoclast Formation. Endocrinology, 1997, 138, 2372-2379.	2.8	43
77	Endogenous bone-resorbing factors in estrogen deficiency: Cooperative effects of IL-1 and IL-6. Journal of Bone and Mineral Research, 1995, 10, 1365-1373.	2.8	151
78	Mechanism of bone resorption induced by estrogen deficiency. Journal of Bone and Mineral Metabolism, 1994, 12, S3-S7.	2.7	2
79	Leukemia inhibitory factor/differentiation-stimulating factor (LIF/D-factor): Regulation of its production and possible roles in bone metabolism. Journal of Cellular Physiology, 1992, 152, 71-78.	4.1	64
80	Mechanism of action of amylin in bone. Journal of Cellular Physiology, 1992, 153, 6-14.	4.1	35
81	Factors Regulating Islet Regeneration in the Post-Insulinoma NEDH Rat. Advances in Experimental Medicine and Biology, 1992, 321, 71-84.	1.6	5
82	Expression ofreg/PSP, a Pancreatic Exocrine Gene: Relationship to Changes in Islet Î²-Cell Mass. Molecular Endocrinology, 1991, 5, 226-234.	3.7	84
83	Fusion of mouse alveolar macrophages induced by 1?,25-dihydroxyvitamin D3 involves extracellular, but not intracellular, calcium. Journal of Cellular Physiology, 1990, 142, 434-439.	4.1	15
84	Production of interleukin 6 and its relation to the macrophage differentiation of mouse myeloid leukemia cells (M1) treated with differentiation-inducing factor and 1Î±,25-dihydroxyvitamin D3. Biochemical and Biophysical Research Communications, 1989, 158, 660-666.	2.1	39
85	Spermidine-dependent proteins are involved in the fusion of mouse alveolar macrophages induced by 1Î±,25-dihydroxyvitamin D3 and interleukin 4. Experimental Cell Research, 1989, 180, 72-83.	2.6	11
86	A SYNTHETIC ANALOGUE OF VITAMIN D₃, 22-OXA-lÎ±,25-DIHYDROXYVITAMIN D₃IS A POTENT MODULATOR OF IN VIVO IMMUNOREGULATING ACTIVITY WITHOUT INDUCING HYPERCALCEMIA IN MICE. Endocrinology, 1989, 124, 2645-2647.	2.8	119
87	Calcium is essential in the fusion of mouse alveolar macrophages induced by 1?, 25-dihydroxyvitamin D3. Journal of Cellular Physiology, 1988, 137, 110-116.	4.1	7
88	Recombinant human interleukin 6 (B-cell stimulatory factor 2) is a potent inducer of differentiation of mouse myeloid leukemia cells (M1). FEBS Letters, 1988, 234, 17-21.	2.8	158
89	The Relationship between Fusion and Proliferation in Mouse Alveolar Macrophages*. Endocrinology, 1987, 121, 271-277.	2.8	11
90	Fusion and Activation of Human Alveolar Macrophages Induced by Recombinant Interferon-Î³ and Their Suppression by Dexamethasone. The American Review of Respiratory Disease, 1987, 136, 916-921.	2.9	39

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91	Alteration of Lipid Metabolism Associated with the Activation of Mouse Alveolar Macrophages Induced by lÎ±,25-Dihydroxyvitamin D3*. Endocrinology, 1987, 120, 1813-1820.	2.8	4
92	Synthetic analogues of vitamin D3 with an oxygen atom in the side chain skeleton A trial of the development of vitamin D compounds which exhibit potent differentiation-inducing activity without inducing hypercalcemia. FEBS Letters, 1987, 226, 58-62.	2.8	144
93	Phagocytic cells metabolize 25-hydroxyvitamin D3to 10-oxo-19-nor-25-hydroxyvitamin D3and a new metabolite, 8Î±,25-dihydroxy-9, 10-seco-4,6,10(19)-cholestatrien-3-one. FEBS Letters, 1987, 218, 200-204.	2.8	7
94	An ultrastructural study on the multinucleation process of mouse alveolar macrophages induced by 1Î±,25-dihydroxyvitamin D3. Journal of Bone and Mineral Research, 1987, 2, 547-557.	2.8	9
95	Effects of retinoic acid on the activation and fusion of mouse alveolar macrophages induced by 1Î±,25-dihydroxyvitamin D3. Journal of Bone and Mineral Research, 1986, 1, 359-368.	2.8	11
96	Mechanism of the differentiating action of 25-hydroxyvitamin D3 endoperoxides in human myeloid leukemia cells (HL-60). Journal of Medicinal Chemistry, 1985, 28, 1153-1158.	6.4	18
97	Syntheses and differentiating action of vitamin D endoperoxides. Singlet oxygen adducts of vitamin D derivatives in human myeloid leukemia cells (HL-60). Journal of Medicinal Chemistry, 1985, 28, 1148-1153.	6.4	21
98	Extracellular Calcium Is Involved in the Mechanism of Differentiation of Mouse Myeloid Leukemia Cells (Ml) Induced by 1Î±,25-Dihydroxyvitamin D₃. Endocrinology, 1984, 115, 1891-1896.	2.8	14
99	1Î±,25-Dihydroxyvitamin D3 directly induces fusion of alveolar macrophages by a mechanism involving RNA and protein synthesis, but not DNA synthesis. FEBS Letters, 1984, 174, 61-65.	2.8	19
100	1Î±,25-Dihyroxyvitamin D3 induces differentiation of human promyelocytic leukemia cells (HL-60) into monocyte-macrophages, but not into granulocytes. Biochemical and Biophysical Research Communications, 1983, 117, 86-92.	2.1	213
101	Cooperative effect of 1 Î±,25-dihydroxyvitamin D3 and dexamethasone in inducing differentiation of mouse myeloid leukemia cells. Archives of Biochemistry and Biophysics, 1983, 227, 379-385.	3.0	25
102	1Î±,25-dihydroxyvitamin D3 suppresses proliferation of murine granulocyte-macrophage progenitor cells (CFU-C). Biochemical and Biophysical Research Communications, 1982, 108, 1728-1733.	2.1	43
103	1Î±,25-Dihydroxyvitamin D3 induces differentiation of human myeloid leukemia cells. Biochemical and Biophysical Research Communications, 1981, 102, 937-943.	2.1	479
104	Failure to demonstrate the stimulative effect of calcitonin on cyclic AMP accumulation in avian bone in vitro.. Endocrinologia Japonica, 1981, 28, 403-408.	0.5	10