

Michiko Hirata

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,124
citations

430874

18
h-index

395702

33
g-index

36
all docs

36
docs citations

36
times ranked

1888
citing authors

#	ARTICLE	IF	CITATIONS
1	Increased inflammation delays wound healing in mice deficient in collagenase-2 (MMP-8). <i>FASEB Journal</i> , 2007, 21, 2580-2591.	0.5	241
2	Inhibition of activator protein-1 binding activity and phosphatidylinositol 3-kinase pathway by nobiletin, a polymethoxy flavonoid, results in augmentation of tissue inhibitor of metalloproteinases-1 production and suppression of production of matrix metalloproteinases-1 and -9 in human fibrosarcoma HT-1080 cells. <i>Cancer Research</i> , 2002, 62, 1025-9.	0.9	124
3	Identification and Characterization of Extracellular Matrix Metalloproteinase Inducer in Human Endometrium during the Menstrual Cycle <i>in Vivo</i> and <i>in Vitro</i> . <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003, 88, 6063-6072.	3.6	65
4	Polymethoxy Flavonoids, Nobiletin and Tangeretin, Prevent Lipopolysaccharide-Induced Inflammatory Bone Loss in an Experimental Model for Periodontitis. <i>Journal of Pharmacological Sciences</i> , 2012, 119, 390-394.	2.5	58
5	Hypergravity and microgravity exhibited reversal effects on the bone and muscle mass in mice. <i>Scientific Reports</i> , 2019, 9, 6614.	3.3	51
6	Nobiletin, a Polymethoxy Flavonoid, Suppresses Bone Resorption by Inhibiting NF- κ B-Dependent Prostaglandin E Synthesis in Osteoblasts and Prevents Bone Loss Due to Estrogen Deficiency. <i>Journal of Pharmacological Sciences</i> , 2011, 115, 89-93.	2.5	47
7	Epigallocatechin gallate (EGCG) suppresses lipopolysaccharide-induced inflammatory bone resorption, and protects against alveolar bone loss in mice. <i>FEBS Open Bio</i> , 2015, 5, 522-527.	2.3	45
8	Indoxyl sulfate, a uremic toxin in chronic kidney disease, suppresses both bone formation and bone resorption. <i>FEBS Open Bio</i> , 2017, 7, 1178-1185.	2.3	41
9	Differential Regulation of the Expression of Matrix Metalloproteinases and Tissue Inhibitors of Metalloproteinases by Cytokines and Growth Factors in Bovine Endometrial Stromal Cells and Trophoblast Cell Line BT-1 <i>In Vitro</i> . <i>Biology of Reproduction</i> , 2003, 68, 1276-1281.	2.7	35
10	Direct Melanoma Cell Contact Induces Stromal Cell Autocrine Prostaglandin E2-EP4 Receptor Signaling That Drives Tumor Growth, Angiogenesis, and Metastasis. <i>Journal of Biological Chemistry</i> , 2015, 290, 29781-29793.	3.4	35
11	Toll-like receptor 2 heterodimers, TLR2/6 and TLR2/1 induce prostaglandin E production by osteoblasts, osteoclast formation and inflammatory periodontitis. <i>Biochemical and Biophysical Research Communications</i> , 2012, 428, 110-115.	2.1	34
12	A novel carborane analog, BE360, with a carbon-containing polyhedral boron-cluster is a new selective estrogen receptor modulator for bone. <i>Biochemical and Biophysical Research Communications</i> , 2009, 380, 218-222.	2.1	33
13	Beta-Cryptoxanthin Inhibits Lipopolysaccharide-Induced Osteoclast Differentiation and Bone Resorption via the Suppression of Inhibitor of NF- κ B Kinase Activity. <i>Nutrients</i> , 2019, 11, 368.	4.1	28
14	The Correlation between Postmenopausal Osteoporosis and Inflammatory Periodontitis Regarding Bone Loss in Experimental Models. <i>Experimental Animals</i> , 2012, 61, 183-187.	1.1	27
15	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. <i>Biochemical and Biophysical Research Communications</i> , 2016, 478, 279-285.	2.1	22
16	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. <i>Journal of Biological Chemistry</i> , 2016, 291, 20891-20899.	3.4	22
17	Naringin Suppresses Osteoclast Formation and Enhances Bone Mass in Mice. <i>Journal of Health Science</i> , 2009, 55, 463-467.	0.9	20
18	The Protective Effects of β -Cryptoxanthin on Inflammatory Bone Resorption in a Mouse Experimental Model of Periodontitis. <i>Bioscience, Biotechnology and Biochemistry</i> , 2013, 77, 860-862.	1.3	19

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19	Effects of O-methylated (âˆ“)â€“epigallocatechin gallate (<scp>EGCG</scp>) on <scp>LPS</scp>-induced osteoclastogenesis, bone resorption, and alveolar bone loss in mice. FEBS Open Bio, 2017, 7, 1972-1981.	2.3	19
20	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
21	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
22	Lutein, a carotenoid, suppresses osteoclastic bone resorption and stimulates bone formation in cultures. Bioscience, Biotechnology and Biochemistry, 2017, 81, 302-306.	1.3	16
23	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
24	Effects of Polymethoxyflavonoids on Bone Loss Induced by Estrogen Deficiency and by LPS-Dependent Inflammation in Mice. Pharmaceuticals, 2018, 11, 7.	3.8	14
25	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
26	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
27	Discoordinate Regulation of Expression of Matrix Metalloproteinases and Tissue Inhibitor of Metalloproteinases-3 in Bovine Endometrial Stromal Cells on Type-I Collagen Gel. Biological and Pharmaceutical Bulletin, 2003, 26, 1013-1017.	1.4	11
28	Heptamethoxyflavone, a citrus flavonoid, suppresses inflammatory osteoclastogenesis and alveolar bone resorption. Bioscience, Biotechnology and Biochemistry, 2015, 79, 155-158.	1.3	10
29	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
30	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
31	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
32	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
33	Endosomal TLR3 signaling in stromal osteoblasts induces prostaglandin E2â€“mediated inflammatory periodontal bone resorption. Journal of Biological Chemistry, 2022, 298, 101603.	3.4	5
34	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
35	Role of Prostaglandin E in Receptor Activator of Nuclear Factor-ÎˆB 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
36	Structure-Activity Relationship of Anthocyanidins as an Inhibitory Effect on Osteoclast Differentiation. BPB Reports, 2019, 2, 1-6.	0.3	1