

# Michiko Hirata

## List of Publications by Year in descending order

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36  
papers

1,124  
citations

430874

18  
h-index

395702

33  
g-index

36  
all docs

36  
docs citations

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times ranked

1888  
citing authors

#	ARTICLE	IF	CITATIONS
1	Endosomal TLR3 signaling in stromal osteoblasts induces prostaglandin E2-mediated inflammatory periodontal bone resorption. <i>Journal of Biological Chemistry</i> , 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. <i>Scientific Reports</i> , 2021, 11, 13353.	3.3	18
3	Hypergravity and microgravity exhibited reversal effects on the bone and muscle mass in mice. <i>Scientific Reports</i> , 2019, 9, 6614.	3.3	51
4	Beta-Cryptoxanthin Inhibits Lipopolysaccharide-Induced Osteoclast Differentiation and Bone Resorption via the Suppression of Inhibitor of NF- $\kappa$ B Kinase Activity. <i>Nutrients</i> , 2019, 11, 368.	4.1	28
5	Structure-Activity Relationship of Anthocyanidins as an Inhibitory Effect on Osteoclast Differentiation. <i>BPB Reports</i> , 2019, 2, 1-6.	0.3	1
6	Raloxifene reduces the risk of local alveolar bone destruction in a mouse model of periodontitis combined with systemic postmenopausal osteoporosis. <i>Archives of Oral Biology</i> , 2018, 85, 98-103.	1.8	6
7	Low Molecular-Weight Curdlan, (1 $\alpha$ ) $\beta$ -D-Glucan Suppresses TLR2-Induced RANKL-Dependent Bone Resorption. <i>Biological and Pharmaceutical Bulletin</i> , 2018, 41, 1282-1285.	1.4	13
8	Effects of Polymethoxyflavonoids on Bone Loss Induced by Estrogen Deficiency and by LPS-Dependent Inflammation in Mice. <i>Pharmaceuticals</i> , 2018, 11, 7.	3.8	14
9	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
10	Effects of O-methylated (6-O-methylated) epigallocatechin gallate (EGCG) on LPS-induced osteoclastogenesis, bone resorption, and alveolar bone loss in mice. <i>FEBS Open Bio</i> , 2017, 7, 1972-1981.	2.3	19
11	Lutein, a carotenoid, suppresses osteoclastic bone resorption and stimulates bone formation in cultures. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 302-306.	1.3	16
12	Lutein Enhances Bone Mass by Stimulating Bone Formation and Suppressing Bone Resorption in Growing Mice. <i>Biological and Pharmaceutical Bulletin</i> , 2017, 40, 716-721.	1.4	14
13	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
14	Abrogation of prostaglandin E-EP4 signaling in osteoblasts prevents the bone destruction induced by human prostate cancer metastases. <i>Biochemical and Biophysical Research Communications</i> , 2016, 478, 154-161.	2.1	6
15	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
16	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
17	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
18	Heptamethoxyflavone, a citrus flavonoid, suppresses inflammatory osteoclastogenesis and alveolar bone resorption. <i>Bioscience, Biotechnology and Biochemistry</i> , 2015, 79, 155-158.	1.3	10

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19	The Protective Effects of Î²-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
20	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
21	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
22	Synthesis of vitamin D3 derivatives with nitrogen-linked substituents at A-ring C-2 and evaluation of their vitamin D receptor-mediated transcriptional activity. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 7826.	2.8	8
23	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
24	Nobiletin, a Polymethoxy Flavonoid, Suppresses Bone Resorption by Inhibiting NFÎ±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
25	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) <sub>n</sub> Sequences. <i>Journal of Health Science</i> , 2010, 56, 738-744.	0.9	5
26	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
27	Hyaluronan inhibits bone resorption by suppressing prostaglandin E synthesis in osteoblasts treated with interleukin-1. <i>Biochemical and Biophysical Research Communications</i> , 2009, 381, 139-143.	2.1	17
28	Role of Prostaglandin E in Receptor Activator of Nuclear Factor-κB Ligand (RANKL) Expression in Osteoblasts Induced by Cell Adhesion to Bone Marrow B-lymphocytes. <i>Journal of Health Science</i> , 2009, 55, 832-837.	0.9	1
29	Naringin Suppresses Osteoclast Formation and Enhances Bone Mass in Mice. <i>Journal of Health Science</i> , 2009, 55, 463-467.	0.9	20
30	Novel vitamin D3 analogs, 1Î±, 25(OH)2D3-26, 23-lactam (DLAMs), antagonize bone resorption via suppressing RANKL expression in osteoblasts. <i>Biochemical and Biophysical Research Communications</i> , 2008, 372, 434-439.	2.1	12
31	1.Î±,25-Dihydroxyvitamin D3-26,23-lactam, a Novel Vitamin D3 Analog, Acts as a Vitamin D3 Antagonist in Human Prostate Cancer Cells. <i>Journal of Health Science</i> , 2008, 54, 497-502.	0.9	1
32	Increased inflammation delays wound healing in mice deficient in collagenase-2 (MMP-8). <i>FASEB Journal</i> , 2007, 21, 2580-2591.	0.5	241
33	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 In Vitro. <i>Biology of Reproduction</i> , 2003, 68, 1276-1281.	2.7	35
34	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
35	Discoordinate Regulation of Expression of Matrix Metalloproteinases and Tissue Inhibitor of Metalloproteinases-3 in Bovine Endometrial Stromal Cells on Type-I Collagen Gel. <i>Biological and Pharmaceutical Bulletin</i> , 2003, 26, 1013-1017.	1.4	11
36	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