Roberto Pacifici

List of Publications by Citations

67 papers	6,776 citations	38 h-index	73 g-index
73 ext. papers	7,640 ext. citations	9.2 avg, IF	6.18 L-index

#	Paper	IF	Citations
67	Estrogen deficiency and bone loss: an inflammatory tale. *Journal of Clinical Investigation*, **2006**, 116, 1186-94	15.9	581
66	Estrogen, cytokines, and pathogenesis of postmenopausal osteoporosis. *Journal of Bone and Mineral Research*, **1996**, 11, 1043-51	6.3	512
65	Estrogen deficiency induces bone loss by enhancing T-cell production of TNF-alpha. *Journal of Clinical Investigation*, **2000**, 106, 1229-37	15.9	509
64	Marked decrease in plasma antioxidants in aged osteoporotic women: results of a cross-sectional study. *Journal of Clinical Endocrinology and Metabolism*, **2003**, 88, 1523-7	5.6	418
63	IFN-gamma stimulates osteoclast formation and bone loss in vivo via antigen-driven T cell activation. *Journal of Clinical Investigation*, **2007**, 117, 122-32	15.9	328
62	Sex steroid deficiency-associated bone loss is microbiota dependent and prevented by probiotics. *Journal of Clinical Investigation*, **2016**, 126, 2049-63	15.9	265
61	IL-7 induces bone loss in vivo by induction of receptor activator of nuclear factor kappa B ligand and tumor necrosis factor alpha from T cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 125-30	11.5	243
60	Estrogen deficiency induces bone loss by increasing T cell proliferation and lifespan through IFN-gamma-induced class II transactivator. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 10405-10	11.5	242
59	Estrogen deficiency increases the ability of stromal cells to support murine osteoclastogenesis via an interleukin-1and tumor necrosis factor-mediated stimulation of macrophage colony-stimulating factor production. *Journal of Biological Chemistry*, **1996**, 271, 28890-7	5.4	224
58	Interleukin-7 stimulates osteoclast formation by up-regulating the T-cell production of soluble osteoclastogenic cytokines. *Blood*, **2000**, 96, 1873-1878	2.2	210
57	The functional block of TNF but not of IL-6 prevents bone loss in ovariectomized mice. *Journal of Bone and Mineral Research*, **1997**, 12, 935-41	6.3	197
56	Increased production of IL-7 uncouples bone formation from bone resorption during estrogen deficiency. *Journal of Clinical Investigation*, **2002**, 110, 1643-1650	15.9	176
55	Cytokines, estrogen, and postmenopausal osteoporosis--the second decade. *Endocrinology*, **1998**, 139, 2659-61	4.8	157
54	T lymphocytes amplify the anabolic activity of parathyroid hormone through Wnt10b signaling. *Cell Metabolism*, **2009**, 10, 229-40	24.6	154
53	The role of T lymphocytes in bone metabolism. *Immunological Reviews*, **2005**, 208, 154-68	11.3	148
52	The Microbial Metabolite Butyrate Stimulates Bone Formation via T Regulatory Cell-Mediated Regulation of WNT10B Expression. *Immunity*, **2018**, 49, 1116-1131.e7	32.3	144
51	Estrogen prevents bone loss through transforming growth factor beta signaling in T cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 16618-23	11.5	140

50	T cell activation induces human osteoclast formation via receptor activator of nuclear factor kappaB ligand-dependent and -independent mechanisms. *Journal of Bone and Mineral Research*, **2001**, 16, 328-37	6.3	135
49	Ovariectomy disregulates osteoblast and osteoclast formation through the T-cell receptor CD40 ligand. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 768-73	11.5	134
48	Oxidative stress causes bone loss in estrogen-deficient mice through enhanced bone marrow dendritic cell activation. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 15087-92	11.5	117
47	T cells potentiate PTH-induced cortical bone loss through CD40L signaling. *Cell Metabolism*, **2008**, 8, 132-45	24.6	115
46	Estrogen deficiency, T cells and bone loss. *Cellular Immunology*, **2008**, 252, 68-80	4.4	105
45	An IL-7-dependent rebound in thymic T cell output contributes to the bone loss induced by estrogen deficiency. *Proceedings of the National Academy of Sciences of the United States of America* , **2005**, 102, 16735-40	11.5	103
44	The immune system and bone. *Archives of Biochemistry and Biophysics*, **2010**, 503, 41-53	4.1	96
43	Role of T cells in ovariectomy induced bone loss--revisited. *Journal of Bone and Mineral Research*, **2012**, 27, 231-9	6.3	95
42	Increased production of IL-7 uncouples bone formation from bone resorption during estrogen deficiency. *Journal of Clinical Investigation*, **2002**, 110, 1643-50	15.9	88
41	The gut-bone axis: how bacterial metabolites bridge the distance. *Journal of Clinical Investigation*, **2019**, 129, 3018-3028	15.9	86
40	Silencing of parathyroid hormone (PTH) receptor 1 in T cells blunts the bone anabolic activity of PTH. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E725-33	11.5	77
39	T cells: critical bone regulators in health and disease. *Bone*, **2010**, 47, 461-71	4.7	72
38	Disruption of PTH receptor 1 in T cells protects against PTH-induced bone loss. *PLoS ONE*, **2010**, 5, e12290	3.7	69
37	Hydrogen Sulfide Is a Novel Regulator of Bone Formation Implicated in the Bone Loss Induced by Estrogen Deficiency. *Journal of Bone and Mineral Research*, **2016**, 31, 949-63	6.3	66
36	Evolutionary medicine and bone loss in chronic inflammatory diseases--A theory of inflammation-related osteopenia. *Seminars in Arthritis and Rheumatism*, **2015**, 45, 220-8	5.3	59
35	IL-17A Is Increased in Humans with Primary Hyperparathyroidism and Mediates PTH-Induced Bone Loss in Mice. *Cell Metabolism*, **2015**, 22, 799-810	24.6	59
34	The sclerostin-independent bone anabolic activity of intermittent PTH treatment is mediated by T-cell-produced Wnt10b. *Journal of Bone and Mineral Research*, **2014**, 29, 43-54	6.3	52
33	Parathyroid hormone-dependent bone formation requires butyrate production by intestinal microbiota. *Journal of Clinical Investigation*, **2020**, 130, 1767-1781	15.9	44

32	T cells, osteoblasts, and osteocytes: interacting lineages key for the bone anabolic and catabolic activities of parathyroid hormone. *Annals of the New York Academy of Sciences*, **2016**, 1364, 11-24	6.5	43
31	PTH induces bone loss via microbial-dependent expansion of intestinal TNF T cells and Th17 cells. *Nature Communications*, **2020**, 11, 468	17.4	42
30	Osteomicrobiology: The influence of gut microbiota on bone in health and disease. *Bone*, **2018**, 115, 59-67	4.7	39
29	From Osteoimmunology to Osteomicrobiology: How the Microbiota and the Immune System Regulate Bone. *Calcified Tissue International*, **2018**, 102, 512-521	3.9	38
28	PTH expands short-term murine hemopoietic stem cells through T cells. *Blood*, **2012**, 120, 4352-62	2.2	38
27	Role of T cells in the modulation of PTH action: physiological and clinical significance. *Endocrine*, **2013**, 44, 576-82	4	34
26	T cells and post menopausal osteoporosis in murine models. *Arthritis Research and Therapy*, **2007**, 9, 102	5.7	32
25	Regulatory T cells are expanded by Teriparatide treatment in humans and mediate intermittent PTH-induced bone anabolism in mice. *EMBO Reports*, **2018**, 19, 156-171	6.5	32
24	The Role of IL-17 and TH17 Cells in the Bone Catabolic Activity of PTH. *Frontiers in Immunology*, **2016**, 7, 57	8.4	31
23	IL-17 Receptor Signaling in Osteoblasts/Osteocytes Mediates PTH-Induced Bone Loss and Enhances Osteocytic RANKL Production. *Journal of Bone and Mineral Research*, **2019**, 34, 349-360	6.3	31
22	Bone Remodeling and the Microbiome. *Cold Spring Harbor Perspectives in Medicine*, **2018**, 8,	5.4	29
21	Inhibition of antigen presentation and T cell costimulation blocks PTH-induced bone loss. *Annals of the New York Academy of Sciences*, **2010**, 1192, 215-21	6.5	29
20	T cell-expressed CD40L potentiates the bone anabolic activity of intermittent PTH treatment. *Journal of Bone and Mineral Research*, **2015**, 30, 695-705	6.3	27
19	Ovariectomy expands murine short-term hemopoietic stem cell function through T cell expressed CD40L and Wnt10B. *Blood*, **2013**, 122, 2346-57	2.2	25
18	IL-7 drives T cell-mediated bone loss following ovariectomy. *Annals of the New York Academy of Sciences*, **2006**, 1068, 348-51	6.5	14
17	Ovariectomy induces bone loss via microbial-dependent trafficking of intestinal TNF+ T cells and Th17 cells. *Journal of Clinical Investigation*, **2021**, 131,	15.9	11
16	Parathyroid Diseases and T Cells. *Current Osteoporosis Reports*, **2017**, 15, 135-141	5.4	10
15	Bone quality factor analysis: a new noninvasive technique for the measurement of bone density and bone strength. *Journal of Bone and Mineral Research*, **1996**, 11, 594-9	6.3	8

List of Publications

14	Role of Gut Microbiota in the Skeletal Response to PTH. *Journal of Clinical Endocrinology and Metabolism*, **2021**, 106, 636-645	5.6	7
13	CTLA-4Ig (abatacept) balances bone anabolic effects of T cells and Wnt-10b with antianabolic effects of osteoblastic sclerostin. *Annals of the New York Academy of Sciences*, **2018**, 1415, 21-33	6.5	6
12	Plasma high-resolution metabolomics identifies linoleic acid and linked metabolic pathways associated with bone mineral density. *Clinical Nutrition*, **2021**, 40, 467-475	5.9	6
11	The gut microbiota is a transmissible determinant of skeletal maturation. *ELife*, **2021**, 10,	8.9	6
10	Estrogen Deficiency, Postmenopausal Osteoporosis, and Age-Related Bone Loss **2013**, 1113-1136		4
9	Metabolomic Associations with Serum Bone Turnover Markers. *Nutrients*, **2020**, 12,	6.7	4
8	Mechanisms of Estrogen Action in Bone **2008**, 921-933		3
7	Postmenopausal Osteoporosis: How the Hormonal Changes of Menopause Cause Bone Loss **2008**, 1041-1054		1
6	Estrogen deficiency and the pathogenesis of osteoporosis **2021**, 773-797		0
5	Osteoimmunology: Relation to Disease and Therapy **2012**, 237-250		
4	Osteoimmunology: Meeting report from the 32nd Annual Meeting of the American Society for Bone and Mineral Research. *IBMS BoneKEy*, **2011**, 8, 123-127		
3	Distant Immune and Microbiome Regulation **2020**, 599-611		
2	Bone and the microbiome **2021**, 969-988		
1	Immunobiology and Bone **2018**, 992-1003		