

# Roberto Pacifici

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Plasma high-resolution metabolomics identifies linoleic acid and linked metabolic pathways associated with bone mineral density. <i>Clinical Nutrition</i> , <b>2021</b> , 40, 467-475	5.9	6
66	Estrogen deficiency and the pathogenesis of osteoporosis <b>2021</b> , 773-797		0
65	Role of Gut Microbiota in the Skeletal Response to PTH. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2021</b> , 106, 636-645	5.6	7
64	Bone and the microbiome <b>2021</b> , 969-988		
63	The gut microbiota is a transmissible determinant of skeletal maturation. <i>ELife</i> , <b>2021</b> , 10,	8.9	6
62	Ovariectomy induces bone loss via microbial-dependent trafficking of intestinal TNF+ T cells and Th17 cells. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	11
61	PTH induces bone loss via microbial-dependent expansion of intestinal TNF T cells and Th17 cells. <i>Nature Communications</i> , <b>2020</b> , 11, 468	17.4	42
60	Parathyroid hormone-dependent bone formation requires butyrate production by intestinal microbiota. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 1767-1781	15.9	44
59	Distant Immune and Microbiome Regulation <b>2020</b> , 599-611		
58	Metabolomic Associations with Serum Bone Turnover Markers. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	4
57	The gut-bone axis: how bacterial metabolites bridge the distance. <i>Journal of Clinical Investigation</i> , <b>2019</b> , 129, 3018-3028	15.9	86
56	IL-17 Receptor Signaling in Osteoblasts/Osteocytes Mediates PTH-Induced Bone Loss and Enhances Osteocytic RANKL Production. <i>Journal of Bone and Mineral Research</i> , <b>2019</b> , 34, 349-360	6.3	31
55	CTLA-4Ig (abatacept) balances bone anabolic effects of T cells and Wnt-10b with antianabolic effects of osteoblastic sclerostin. <i>Annals of the New York Academy of Sciences</i> , <b>2018</b> , 1415, 21-33	6.5	6
54	Osteomicrobiology: The influence of gut microbiota on bone in health and disease. <i>Bone</i> , <b>2018</b> , 115, 59-67	17.7	39
53	From Osteoimmunology to Osteomicrobiology: How the Microbiota and the Immune System Regulate Bone. <i>Calcified Tissue International</i> , <b>2018</b> , 102, 512-521	3.9	38
52	Bone Remodeling and the Microbiome. <i>Cold Spring Harbor Perspectives in Medicine</i> , <b>2018</b> , 8,	5.4	29
51	Regulatory T cells are expanded by Teriparatide treatment in humans and mediate intermittent PTH-induced bone anabolism in mice. <i>EMBO Reports</i> , <b>2018</b> , 19, 156-171	6.5	32

50	The Microbial Metabolite Butyrate Stimulates Bone Formation via T Regulatory Cell-Mediated Regulation of WNT10B Expression. <i>Immunity</i> , <b>2018</b> , 49, 1116-1131.e7	32.3	144
49	Immunobiology and Bone <b>2018</b> , 992-1003		
48	Parathyroid Diseases and T Cells. <i>Current Osteoporosis Reports</i> , <b>2017</b> , 15, 135-141	5.4	10
47	Sex steroid deficiency-associated bone loss is microbiota dependent and prevented by probiotics. <i>Journal of Clinical Investigation</i> , <b>2016</b> , 126, 2049-63	15.9	265
46	The Role of IL-17 and TH17 Cells in the Bone Catabolic Activity of PTH. <i>Frontiers in Immunology</i> , <b>2016</b> , 7, 57	8.4	31
45	Hydrogen Sulfide Is a Novel Regulator of Bone Formation Implicated in the Bone Loss Induced by Estrogen Deficiency. <i>Journal of Bone and Mineral Research</i> , <b>2016</b> , 31, 949-63	6.3	66
44	T cells, osteoblasts, and osteocytes: interacting lineages key for the bone anabolic and catabolic activities of parathyroid hormone. <i>Annals of the New York Academy of Sciences</i> , <b>2016</b> , 1364, 11-24	6.5	43
43	Evolutionary medicine and bone loss in chronic inflammatory diseases--A theory of inflammation-related osteopenia. <i>Seminars in Arthritis and Rheumatism</i> , <b>2015</b> , 45, 220-8	5.3	59
42	IL-17A Is Increased in Humans with Primary Hyperparathyroidism and Mediates PTH-Induced Bone Loss in Mice. <i>Cell Metabolism</i> , <b>2015</b> , 22, 799-810	24.6	59
41	T cell-expressed CD40L potentiates the bone anabolic activity of intermittent PTH treatment. <i>Journal of Bone and Mineral Research</i> , <b>2015</b> , 30, 695-705	6.3	27
40	The sclerostin-independent bone anabolic activity of intermittent PTH treatment is mediated by T-cell-produced Wnt10b. <i>Journal of Bone and Mineral Research</i> , <b>2014</b> , 29, 43-54	6.3	52
39	Estrogen Deficiency, Postmenopausal Osteoporosis, and Age-Related Bone Loss <b>2013</b> , 1113-1136		4
38	Role of T cells in the modulation of PTH action: physiological and clinical significance. <i>Endocrine</i> , <b>2013</b> , 44, 576-82	4	34
37	Ovariectomy expands murine short-term hemopoietic stem cell function through T cell expressed CD40L and Wnt10B. <i>Blood</i> , <b>2013</b> , 122, 2346-57	2.2	25
36	PTH expands short-term murine hemopoietic stem cells through T cells. <i>Blood</i> , <b>2012</b> , 120, 4352-62	2.2	38
35	Osteoimmunology: Relation to Disease and Therapy <b>2012</b> , 237-250		
34	Role of T cells in ovariectomy induced bone loss--revisited. <i>Journal of Bone and Mineral Research</i> , <b>2012</b> , 27, 231-9	6.3	95
33	Silencing of parathyroid hormone (PTH) receptor 1 in T cells blunts the bone anabolic activity of PTH. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, E725-33 <sup>11.5</sup>	11.5	77

32	Osteoimmunology: Meeting report from the 32nd Annual Meeting of the American Society for Bone and Mineral Research. <i>IBMS BoneKEy</i> , <b>2011</b> , 8, 123-127		
31	Ovariectomy disregulates osteoblast and osteoclast formation through the T-cell receptor CD40 ligand. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 768-73	11.5	134
30	Inhibition of antigen presentation and T cell costimulation blocks PTH-induced bone loss. <i>Annals of the New York Academy of Sciences</i> , <b>2010</b> , 1192, 215-21	6.5	29
29	Disruption of PTH receptor 1 in T cells protects against PTH-induced bone loss. <i>PLoS ONE</i> , <b>2010</b> , 5, e122907	3.7	69
28	T cells: critical bone regulators in health and disease. <i>Bone</i> , <b>2010</b> , 47, 461-71	4.7	72
27	The immune system and bone. <i>Archives of Biochemistry and Biophysics</i> , <b>2010</b> , 503, 41-53	4.1	96
26	T lymphocytes amplify the anabolic activity of parathyroid hormone through Wnt10b signaling. <i>Cell Metabolism</i> , <b>2009</b> , 10, 229-40	24.6	154
25	Estrogen deficiency, T cells and bone loss. <i>Cellular Immunology</i> , <b>2008</b> , 252, 68-80	4.4	105
24	T cells potentiate PTH-induced cortical bone loss through CD40L signaling. <i>Cell Metabolism</i> , <b>2008</b> , 8, 132-45	24.6	115
23	Postmenopausal Osteoporosis: How the Hormonal Changes of Menopause Cause Bone Loss <b>2008</b> , 1041-1054		1
22	Mechanisms of Estrogen Action in Bone <b>2008</b> , 921-933		3
21	Oxidative stress causes bone loss in estrogen-deficient mice through enhanced bone marrow dendritic cell activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 15087-92	11.5	117
20	T cells and post menopausal osteoporosis in murine models. <i>Arthritis Research and Therapy</i> , <b>2007</b> , 9, 102	5.7	32
19	IFN-gamma stimulates osteoclast formation and bone loss in vivo via antigen-driven T cell activation. <i>Journal of Clinical Investigation</i> , <b>2007</b> , 117, 122-32	15.9	328
18	Estrogen deficiency and bone loss: an inflammatory tale. <i>Journal of Clinical Investigation</i> , <b>2006</b> , 116, 1186-94	6.9	581
17	IL-7 drives T cell-mediated bone loss following ovariectomy. <i>Annals of the New York Academy of Sciences</i> , <b>2006</b> , 1068, 348-51	6.5	14
16	The role of T lymphocytes in bone metabolism. <i>Immunological Reviews</i> , <b>2005</b> , 208, 154-68	11.3	148
15	An IL-7-dependent rebound in thymic T cell output contributes to the bone loss induced by estrogen deficiency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 16735-40	11.5	103

14	Estrogen prevents bone loss through transforming growth factor beta signaling in T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 16618-23	11.5	140
13	Estrogen deficiency induces bone loss by increasing T cell proliferation and lifespan through IFN-gamma-induced class II transactivator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 10405-10	11.5	242
12	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. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 125-30	11.5	243
11	Marked decrease in plasma antioxidants in aged osteoporotic women: results of a cross-sectional study. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2003</b> , 88, 1523-7	5.6	418
10	Increased production of IL-7 uncouples bone formation from bone resorption during estrogen deficiency. <i>Journal of Clinical Investigation</i> , <b>2002</b> , 110, 1643-1650	15.9	176
9	Increased production of IL-7 uncouples bone formation from bone resorption during estrogen deficiency. <i>Journal of Clinical Investigation</i> , <b>2002</b> , 110, 1643-50	15.9	88
8	T cell activation induces human osteoclast formation via receptor activator of nuclear factor kappaB ligand-dependent and -independent mechanisms. <i>Journal of Bone and Mineral Research</i> , <b>2001</b> , 16, 328-37	6.3	135
7	Interleukin-7 stimulates osteoclast formation by up-regulating the T-cell production of soluble osteoclastogenic cytokines. <i>Blood</i> , <b>2000</b> , 96, 1873-1878	2.2	210
6	Estrogen deficiency induces bone loss by enhancing T-cell production of TNF-alpha. <i>Journal of Clinical Investigation</i> , <b>2000</b> , 106, 1229-37	15.9	509
5	Cytokines, estrogen, and postmenopausal osteoporosis--the second decade. <i>Endocrinology</i> , <b>1998</b> , 139, 2659-61	4.8	157
4	The functional block of TNF but not of IL-6 prevents bone loss in ovariectomized mice. <i>Journal of Bone and Mineral Research</i> , <b>1997</b> , 12, 935-41	6.3	197
3	Bone quality factor analysis: a new noninvasive technique for the measurement of bone density and bone strength. <i>Journal of Bone and Mineral Research</i> , <b>1996</b> , 11, 594-9	6.3	8
2	Estrogen, cytokines, and pathogenesis of postmenopausal osteoporosis. <i>Journal of Bone and Mineral Research</i> , <b>1996</b> , 11, 1043-51	6.3	512
1	Estrogen deficiency increases the ability of stromal cells to support murine osteoclastogenesis via an interleukin-1 and tumor necrosis factor-mediated stimulation of macrophage colony-stimulating factor production. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 28890-7	5.4	224