

# Hans Carlsten

## List of Publications by Year in descending order

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Version: 2024-02-01

82  
papers

3,816  
citations

182225

30  
h-index

145109

60  
g-index

82  
all docs

82  
docs citations

82  
times ranked

5560  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interleukin-6-deficient mice develop mature-onset obesity. <i>Nature Medicine</i> , 2002, 8, 75-79.	15.2	1,073
2	Osteoporosis in ankylosing spondylitis - prevalence, risk factors and methods of assessment. <i>Arthritis Research and Therapy</i> , 2012, 14, R108.	1.6	150
3	Estren Is a Selective Estrogen Receptor Modulator with Transcriptional Activity. <i>Molecular Pharmacology</i> , 2003, 64, 1428-1433.	1.0	129
4	Outbreak of spontaneous staphylococcal arthritis and osteitis in mice. <i>Arthritis and Rheumatism</i> , 1990, 33, 1739-1744.	6.7	110
5	Estrogens in rheumatoid arthritis; the immune system and bone. <i>Molecular and Cellular Endocrinology</i> , 2011, 335, 14-29.	1.6	100
6	Vertebral Fractures in Ankylosing Spondylitis Are Associated with Lower Bone Mineral Density in Both Central and Peripheral Skeleton. <i>Journal of Rheumatology</i> , 2012, 39, 1987-1995.	1.0	99
7	Ethanol prevents development of destructive arthritis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 258-263.	3.3	92
8	Weight loss improves disease activity in patients with psoriatic arthritis and obesity: an interventional study. <i>Arthritis Research and Therapy</i> , 2019, 21, 17.	1.6	92
9	Bone microarchitecture in ankylosing spondylitis and the association with bone mineral density, fractures, and syndesmophytes. <i>Arthritis Research and Therapy</i> , 2013, 15, R179.	1.6	89
10	Low Serum Levels of Sex Steroids Are Associated with Disease Characteristics in Primary Sjogren's Syndrome; Supplementation with Dehydroepiandrosterone Restores the Concentrations. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 2044-2051.	1.8	87
11	Immune responses and bone loss: the estrogen connection. <i>Immunological Reviews</i> , 2005, 208, 194-206.	2.8	81
12	Calprotectin in ankylosing spondylitis " frequently elevated in feces, but normal in serum. <i>Scandinavian Journal of Gastroenterology</i> , 2012, 47, 435-444.	0.6	79
13	Biomarkers of Bone Metabolism in Ankylosing Spondylitis in Relation to Osteoproliferation and Osteoporosis. <i>Journal of Rheumatology</i> , 2014, 41, 1349-1356.	1.0	75
14	Role of resistin as a marker of inflammation in systemic lupus erythematosus. <i>Arthritis Research and Therapy</i> , 2008, 10, R15.	1.6	69
15	A longitudinal study of fecal calprotectin and the development of inflammatory bowel disease in ankylosing spondylitis. <i>Arthritis Research and Therapy</i> , 2017, 19, 21.	1.6	68
16	Testosterone is an endogenous regulator of BAFF and splenic B cell number. <i>Nature Communications</i> , 2018, 9, 2067.	5.8	66
17	Mycophenolic acid inhibits inosine 5 $\alpha$ -monophosphate dehydrogenase and suppresses immunoglobulin and cytokine production of B cells. <i>International Immunopharmacology</i> , 2003, 3, 31-37.	1.7	60
18	A five-year prospective study of spinal radiographic progression and its predictors in men and women with ankylosing spondylitis. <i>Arthritis Research and Therapy</i> , 2018, 20, 162.	1.6	60

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19	A distinct gut microbiota composition in patients with ankylosing spondylitis is associated with increased levels of fecal calprotectin. <i>Arthritis Research and Therapy</i> , 2019, 21, 248.	1.6	59
20	Osteoporosis in experimental postmenopausal polyarthritis: the relative contributions of estrogen deficiency and inflammation. <i>Arthritis Research</i> , 2005, 7, R837.	2.0	49
21	Amelioration of collagen-induced arthritis and immune-associated bone loss through signaling via estrogen receptor $\beta$ , and not estrogen receptor $\alpha$ or G protein-coupled receptor 30. <i>Arthritis and Rheumatism</i> , 2010, 62, 524-533.	6.7	41
22	The estrogen receptor antagonist ICI 182,780 can act both as an agonist and an inverse agonist when estrogen receptor $\beta$ AF-2 is modified. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1180-1185.	3.3	40
23	Role of raloxifene as a potent inhibitor of experimental postmenopausal polyarthritis and osteoporosis. <i>Arthritis and Rheumatism</i> , 2007, 56, 3261-3270.	6.7	39
24	Mycophenolic acid inhibits inosine 5 $\alpha$ -monophosphate dehydrogenase and suppresses production of pro-inflammatory cytokines, nitric oxide, and LDH in macrophages. <i>Cellular Immunology</i> , 2002, 216, 93-101.	1.4	37
25	Hormone replacement therapy in rheumatoid arthritis is associated with lower serum levels of soluble IL-6 receptor and higher insulin-like growth factor 1. <i>Arthritis Research</i> , 2003, 5, R202.	2.0	37
26	Estrogen receptor $\beta$ expression in neuronal cells affects bone mass. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 983-988.	3.3	37
27	Cardiac conduction system abnormalities in ankylosing spondylitis: a cross-sectional study. <i>BMC Musculoskeletal Disorders</i> , 2013, 14, 237.	0.8	35
28	Ovarian hormones in innate inflammation. <i>Immunobiology</i> , 2017, 222, 878-883.	0.8	34
29	Which measuring site in ankylosing spondylitis is best to detect bone loss and what predicts the decline: results from a 5-year prospective study. <i>Arthritis Research and Therapy</i> , 2017, 19, 273.	1.6	34
30	IL-17-producing $\gamma\delta$ T cells are regulated by estrogen during development of experimental arthritis. <i>Clinical Immunology</i> , 2015, 161, 324-332.	1.4	33
31	Addition of bisphosphonate to antibiotic and anti-inflammatory treatment reduces bone resorption in experimental <i>Staphylococcus aureus</i> -induced arthritis. <i>Journal of Orthopaedic Research</i> , 2007, 25, 304-310.	1.2	30
32	Prevalence and risk factors of vertebral compression fractures in female SLE patients. <i>Arthritis Research and Therapy</i> , 2010, 12, R153.	1.6	28
33	The role of total and cartilage-specific estrogen receptor alpha expression for the ameliorating effect of estrogen treatment on arthritis. <i>Arthritis Research and Therapy</i> , 2014, 16, R150.	1.6	28
34	Effects of lasofoxifene and bazedoxifene on B cell development and function. <i>Immunity, Inflammation and Disease</i> , 2014, 2, 214-225.	1.3	28
35	Selective estrogen receptor modulators in T cell development and T cell dependent inflammation. <i>Immunobiology</i> , 2015, 220, 1122-1128.	0.8	28
36	Age-associated B cells expanded in autoimmune mice are memory cells sharing H $\alpha$ CDR3 $\alpha$ selected repertoires. <i>European Journal of Immunology</i> , 2018, 48, 509-521.	1.6	28

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37	Neutrophil Mediated Inflammatory Response in Murine Lupus. <i>Autoimmunity</i> , 1993, 14, 251-257.	1.2	25
38	Role of 2-methoxyestradiol as inhibitor of arthritis and osteoporosis in a model of postmenopausal rheumatoid arthritis. <i>Clinical Immunology</i> , 2011, 140, 37-46.	1.4	25
39	The decrease of soluble RAGE levels in rheumatoid arthritis patients following hormone replacement therapy is associated with increased bone mineral density and diminished bone/cartilage turnover: a randomized controlled trial. <i>Rheumatology</i> , 2009, 48, 785-790.	0.9	24
40	Serum Levels of HMGB1 in Postmenopausal Patients with Rheumatoid Arthritis: Associations with Proinflammatory Cytokines, Acute-phase Reactants, and Clinical Disease Characteristics. <i>Journal of Rheumatology</i> , 2011, 38, 1523.2-1525.	1.0	23
41	The role of activation functions 1 and 2 of estrogen receptor- $\alpha$ for the effects of estradiol and selective estrogen receptor modulators in male mice. <i>Journal of Bone and Mineral Research</i> , 2013, 28, 1117-1126.	3.1	23
42	Possible role of lymphocytes in glucocorticoid-induced increase in trabecular bone mineral density. <i>Journal of Endocrinology</i> , 2015, 224, 97-108.	1.2	23
43	Investigation of central versus peripheral effects of estradiol in ovariectomized mice. <i>Journal of Endocrinology</i> , 2005, 187, 303-309.	1.2	22
44	Rapid Systemic Bone Resorption during the Course of <i>Staphylococcus aureus</i> -Induced Arthritis. <i>Journal of Infectious Diseases</i> , 2006, 194, 1597-1600.	1.9	22
45	Periarticular Bone Loss in Antigen-Induced Arthritis. <i>Arthritis and Rheumatism</i> , 2013, 65, 2857-2865.	6.7	22
46	Testosterone Protects Against Atherosclerosis in Male Mice by Targeting Thymic Epithelial Cells- <i>Brief Report</i> . <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 1519-1527.	1.1	22
47	Suppression of Experimental Arthritis and Associated Bone Loss by a Tissue-Selective Estrogen Complex. <i>Endocrinology</i> , 2016, 157, 1013-1020.	1.4	21
48	SERMs have substance-specific effects on bone, and these effects are mediated via ER $\alpha$ -AF-1 in female mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 310, E912-E918.	1.8	20
49	Methotrexate inhibits effects of platelet-derived growth factor and interleukin-1 $\beta$ on rheumatoid arthritis fibroblast-like synoviocytes. <i>Arthritis Research and Therapy</i> , 2018, 20, 49.	1.6	19
50	Hormone replacement therapy, calcium and vitamin D3 versus calcium and vitamin D3 alone decreases markers of cartilage and bone metabolism in rheumatoid arthritis: a randomized controlled trial [ISRCTN46523456]. <i>Arthritis Research</i> , 2004, 6, R457.	2.0	18
51	Leukemia inhibitory factor reduces body fat mass in ovariectomized mice. <i>European Journal of Endocrinology</i> , 2006, 154, 349-354.	1.9	18
52	Role of Androgen and Estrogen Receptors for the Action of Dehydroepiandrosterone (DHEA). <i>Endocrinology</i> , 2014, 155, 889-896.	1.4	17
53	The effect of estrogen on bone requires ER $\alpha$ in nonhematopoietic cells but is enhanced by ER $\alpha$ in hematopoietic cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 307, E589-E595.	1.8	16
54	Androgens Regulate Bone Marrow B Lymphopoiesis in Male Mice by Targeting Osteoblast-Lineage Cells. <i>Endocrinology</i> , 2015, 156, 1228-1236.	1.4	16

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55	Bone mineral density by digital X-ray radiogrammetry is strongly decreased and associated with joint destruction in long-standing Rheumatoid Arthritis: a cross-sectional study. <i>BMC Musculoskeletal Disorders</i> , 2011, 12, 242.	0.8	15
56	Effects of a tissue-selective estrogen complex on B lymphopoiesis and B cell function. <i>Immunobiology</i> , 2017, 222, 918-923.	0.8	15
57	The Rheumatoid Arthritis Risk Gene AIRE Is Induced by Cytokines in Fibroblast-Like Synoviocytes and Augments the Pro-inflammatory Response. <i>Frontiers in Immunology</i> , 2019, 10, 1384.	2.2	15
58	Combined treatment with dexamethasone and raloxifene totally abrogates osteoporosis and joint destruction in experimental postmenopausal arthritis. <i>Arthritis Research and Therapy</i> , 2011, 13, R96.	1.6	14
59	Selective oestrogen receptor modulators lasofoxifene and bazedoxifene inhibit joint inflammation and osteoporosis in ovariectomised mice with collagen-induced arthritis. <i>Rheumatology</i> , 2016, 55, kev355.	0.9	13
60	Exosomal secretion of death bullets: a new way of apoptotic escape?. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 303, E1015-E1024.	1.8	12
61	Hormone replacement therapy in postmenopausal women with rheumatoid arthritis stabilises bone mineral density by digital x-ray radiogrammetry in a randomised controlled trial. <i>Annals of the Rheumatic Diseases</i> , 2011, 70, 1167-1168.	0.5	11
62	Immunomodulation by the estrogen metabolite 2-methoxyestradiol. <i>Clinical Immunology</i> , 2014, 153, 40-48.	1.4	11
63	Role of endogenous and exogenous female sex hormones in arthritis and osteoporosis development in B10.Q-ncf1 <sup>*/*</sup> mice with collagen-induced chronic arthritis. <i>BMC Musculoskeletal Disorders</i> , 2010, 11, 284.	0.8	10
64	Trabecular bone loss in collagen antibody-induced arthritis. <i>Arthritis Research and Therapy</i> , 2015, 17, 189.	1.6	10
65	Androgen Receptors in Epithelial Cells Regulate Thymopoiesis and Recent Thymic Emigrants in Male Mice. <i>Frontiers in Immunology</i> , 2020, 11, 1342.	2.2	10
66	Immunoglobulin G complexes without sialic acids enhance osteoclastogenesis but do not affect arthritis-mediated bone loss. <i>Scandinavian Journal of Immunology</i> , 2021, 93, e13009.	1.3	10
67	Estren promotes androgen phenotypes in primary lymphoid organs and submandibular glands. <i>BMC Immunology</i> , 2005, 6, 16.	0.9	9
68	Roles of activating functions 1 and 2 of estrogen receptor $\beta$ in lymphopoiesis. <i>Journal of Endocrinology</i> , 2018, 236, 99-109.	1.2	9
69	The impact of a new immunomodulator oxo-quinoline-3-carboxamide on the progression of experimental lupus. <i>International Immunopharmacology</i> , 2004, 4, 1515-1523.	1.7	8
70	Sexual dimorphisms in the immune system of catechol-O-methyltransferase knockout mice. <i>Immunobiology</i> , 2012, 217, 751-760.	0.8	8
71	Estradiol ameliorates arthritis and protects against systemic bone loss in <i>Staphylococcus aureus</i> infection in mice. <i>Arthritis Research and Therapy</i> , 2012, 14, R76.	1.6	8
72	In vivo activation of gene transcription via oestrogen response elements by a raloxifene analogue. <i>Journal of Endocrinology</i> , 2009, 203, 349-356.	1.2	6

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73	Soluble E-cadherin in Systemic Lupus Erythematosus. <i>Journal of Rheumatology</i> , 2013, 40, 1677-1682.	1.0	6
74	Endothelin-1 Across the Lung Circulation in Patients With Pulmonary Arterial Hypertension and Influence of Epoprostenol Infusion. <i>Journal of Heart and Lung Transplantation</i> , 2009, 28, 808-814.	0.3	3
75	Elevated serum level of hepatocyte growth factor predicts development of new syndesmophytes in men with ankylosing spondylitis. <i>Rheumatology</i> , 2021, 60, 1804-1813.	0.9	3
76	Intermediate monocytes correlate with CXCR3+ Th17 cells but not with bone characteristics in untreated early rheumatoid arthritis. <i>PLoS ONE</i> , 2021, 16, e0249205.	1.1	3
77	Hormone Replacement Therapy in Rheumatoid Arthritis. <i>Current Rheumatology Reviews</i> , 2006, 2, 251-260.	0.4	2
78	Ncf1 affects osteoclast formation but is not critical for postmenopausal bone loss. <i>BMC Musculoskeletal Disorders</i> , 2016, 17, 464.	0.8	2
79	Interaction with Estrogen Receptors as Treatment of Arthritis and Osteoporosis. <i>Advances in Experimental Medicine and Biology</i> , 2007, 602, 83-92.	0.8	2
80	<sc>ER $\pm$ </sc> Signaling in a Subset of <sc>CXCL12</sc>â€Abundant Reticular Cells Regulates Trabecular Bone in Mice. <i>JBMR Plus</i> , 2022, 6, .	1.3	1
81	Estrogen receptor $\pm$ (ER $\pm$ ) expression in cartilage is important for the ameliorating effects of estrogen on synovitis, but not joint destruction.. <i>Annals of the Rheumatic Diseases</i> , 2012, 71, A61.2-A61.	0.5	0
82	SAT0323â€...HEPATOCTE GROWTH FACTOR IS A PREDICTOR OF DEVELOPMENT OF NEW SYNDESMOPHYTES IN MEN WITH ANKYLOSING SPONDYLITIS. A FIVE YEAR PROSPECTIVE STUDY. , 2019, , .		0