Klara SjÃ¶gren

List of Publications by Year
in descending order

59 papers	4,746 citations	126907 33 h-index	133252 59 g-index
61 all docs	61 docs citations	61 times ranked	5696 citing authors

#	Article	IF	Citations
1	Liver-derived insulin-like growth factor I (IGF-I) is the principal source of IGF-I in blood but is not required for postnatal body growth in mice. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 7088-7092.	7.1	826
2	The gut microbiota regulates bone mass in mice. Journal of Bone and Mineral Research, 2012, 27, 1357-1367.	2.8	585
3	The Role of Liver-Derived Insulin-Like Growth Factor-I. Endocrine Reviews, 2009, 30, 494-535.	20.1	361
4	Osteoblast-derived WNT16 represses osteoclastogenesis and prevents cortical bone fragility fractures. Nature Medicine, 2014, 20, 1279-1288.	30.7	303
5	Probiotics Protect Mice from Ovariectomy-Induced Cortical Bone Loss. PLoS ONE, 2014, 9, e92368.	2.5	250
6	Effects of the gut microbiota on bone mass. Trends in Endocrinology and Metabolism, 2015, 26, 69-74.	7.1	172
7	Liver-Derived IGF-I is of Importance for Normal Carbohydrate and Lipid Metabolism. Diabetes, 2001, 50, 1539-1545.	0.6	128
8	Estrogen receptor-Î± in osteocytes is important for trabecular bone formation in male mice. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2294-2299.	7.1	118
9	The gut microbiota is a major regulator of androgen metabolism in intestinal contents. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E1182-E1192.	3.5	118
10	Disproportional Skeletal Growth and Markedly Decreased Bone Mineral Content in Growth Hormone Receptor â^'/â^' Mice. Biochemical and Biophysical Research Communications, 2000, 267, 603-608.	2.1	111
11	Osteoprotegerin mRNA Is Increased by Interleukin-1Î± in the Human Osteosarcoma Cell Line MG-63 and in Human Osteoblast-Like Cells. Biochemical and Biophysical Research Communications, 1998, 248, 696-700.	2.1	97
12	Effects of Liver-Derived Insulin-Like Growth Factor I on Bone Metabolism in Mice. Journal of Bone and Mineral Research, 2002, 17, 1977-1987.	2.8	90
13	Roles of transactivating functions 1 and 2 of estrogen receptor-Î± in bone. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6288-6293.	7.1	88
14	Estrogen receptor-Î± is required for the osteogenic response to mechanical loading in a ligand-independent manner involving its activation function 1 but not 2. Journal of Bone and Mineral Research, 2013, 28, 291-301.	2.8	87
15	Genomewide metaâ€analysis identifies loci associated with <scp>IGF</scp> â€I and <scp>IGFBP</scp> â€3 levels with impact on ageâ€related traits. Aging Cell, 2016, 15, 811-824.	6.7	83
16	Probiotic treatment using a mix of three Lactobacillus strains for lumbar spine bone loss in postmenopausal women: a randomised, double-blind, placebo-controlled, multicentre trial. Lancet Rheumatology, The, 2019, 1, e154-e162.	3.9	78
17	Body weight homeostat that regulates fat mass independently of leptin in rats and mice. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 427-432.	7.1	74
18	Growth Hormone Overexpression in the Central Nervous System Results in Hyperphagia-Induced Obesity Associated With Insulin Resistance and Dyslipidemia. Diabetes, 2005, 54, 51-62.	0.6	72

#	ARTICLE	IF	CITATIONS
19	The role of estrogen receptor Î± in growth plate cartilage for longitudinal bone growth. Journal of Bone and Mineral Research, 2010, 25, 2690-2700.	2.8	70
20	Estrogen Up-Regulates Hepatic Expression of Suppressors of Cytokine Signaling-2 and -3 in Vivo and in Vitro. Endocrinology, 2004, 145, 5525-5531.	2.8	69
21	Liver-Derived Insulin-Like Growth Factor-I Is Involved in the Regulation of Blood Pressure in Mice. Endocrinology, 2002, 143, 4235-4242.	2.8	65
22	Regulation of bone mass by the gut microbiota is dependent on NOD1 and NOD2 signaling. Cellular Immunology, 2017, 317, 55-58.	3.0	58
23	Liver-Derived IGF-I Regulates Mean Life Span in Mice. PLoS ONE, 2011, 6, e22640.	2.5	53
24	The bone-sparing effects of estrogen and WNT16 are independent of each other. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14972-14977.	7.1	50
25	Body Fat Content Can Be Predicted In Vivo in Mice Using a Modified Dual-Energy X-Ray Absorptiometry Technique. Journal of Nutrition, 2001, 131, 2963-2966.	2.9	48
26	Growth hormone regulation of metabolic gene expression in muscle: a microarray study in hypopituitary men. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E364-E371.	3.5	47
27	The relative importance of endocrine versus autocrine/paracrine insulin-like growth factor-I in the regulation of body growth. Pediatric Nephrology, 2000, 14, 541-543.	1.7	46
28	Reduced Bone Mass and Muscle Strength in Male 5Î±-Reductase Type 1 Inactivated Mice. PLoS ONE, 2011, 6, e21402.	2.5	46
29	Osteomicrobiology: A New Cross-Disciplinary Research Field. Calcified Tissue International, 2018, 102, 426-432.	3.1	45
30	A Model for Tissue-Specific Inducible Insulin-like Growth Factor-I (IGF-I) Inactivation to Determine the Physiological Role of Liver-Derived IGF-I. Endocrine, 2002, 19, 249-256.	2.2	43
31	Elevated Aromatase Expression in Osteoblasts Leads to Increased Bone Mass Without Systemic Adverse Effects. Journal of Bone and Mineral Research, 2009, 24, 1263-1270.	2.8	41
32	The estrogen receptor antagonist ICI 182,780 can act both as an agonist and an inverse agonist when estrogen receptor Î± AF-2 is modified. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1180-1185.	7.1	40
33	Increased adipose tissue aromatase activity improves insulin sensitivity and reduces adipose tissue inflammation in male mice. American Journal of Physiology - Endocrinology and Metabolism, 2017, 313, E450-E462.	3.5	39
34	Stimulation of both estrogen and androgen receptors maintains skeletal muscle mass in gonadectomized male mice but mainly via different pathways. Journal of Molecular Endocrinology, 2010, 45, 45-57.	2.5	36
35	Inducible Wnt16 inactivation: WNT16 regulates cortical bone thickness in adult mice. Journal of Endocrinology, 2018, 237, 113-122.	2.6	32
36	Pasteurized Akkermansia muciniphila protects from fat mass gain but not from bone loss. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E480-E491.	3.5	27

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37	The role of activation functions 1 and 2 of estrogen receptor-Î± for the effects of estradiol and selective estrogen receptor modulators in male mice. Journal of Bone and Mineral Research, 2013, 28, 1117-1126.	2.8	23
38	Investigation of central versus peripheral effects of estradiol in ovariectomized mice. Journal of Endocrinology, 2005, 187, 303-309.	2.6	22
39	Enzalutamide Reduces the Bone Mass in the Axial But Not the Appendicular Skeleton in Male Mice. Endocrinology, 2016, 157, 969-977.	2.8	20
40	SERMs have substance-specific effects on bone, and these effects are mediated via ERÎ±AF-1 in female mice. American Journal of Physiology - Endocrinology and Metabolism, 2016, 310, E912-E918.	3.5	20
41	The androgen receptor is required for maintenance of bone mass in adult male mice. Molecular and Cellular Endocrinology, 2019, 479, 159-169.	3.2	19
42	Liver-derived IGF-I regulates kidney size, sodium reabsorption, and renal IGF-II expression. Journal of Endocrinology, 2007, 193, 359-366.	2.6	17
43	Liver-derived IGF1 enhances the androgenic response in prostate. Journal of Endocrinology, 2008, 199, 489-497.	2.6	15
44	Liver-derived IGF-I regulates exploratory activity in old mice. American Journal of Physiology - Endocrinology and Metabolism, 2005, 289, E466-E473.	3.5	13
45	Metabolic Functions of Liver-Derived (Endocrine) Insulin-Like Growth Factor I. Hormone Research in Paediatrics, 2001, 55, 18-21.	1.8	12
46	Liver-derived IGF-I regulates cortical bone mass but is dispensable for the osteogenic response to mechanical loading in female mice. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E138-E144.	3.5	12
47	Regulation of Growth Hormone Signaling by Selective Estrogen Receptor Modulators Occurs through Suppression of Protein Tyrosine Phosphatases. Endocrinology, 2007, 148, 2417-2423.	2.8	9
48	Possible Roles of Insulin-Like Growth Factor in Regulation of Physiological and Pathophysiological Liver Growth. Hormone Research in Paediatrics, 2001, 55, 1-6.	1.8	8
49	Increased diet-induced fatty streak formation in female mice with deficiency of liver-derived insulin-like growth factor-I. Endocrine, 2016, 52, 550-560.	2.3	8
50	Seminal vesicles and urinary bladder as sites of aromatization of androgens in men, evidenced by a CYP19A1â€driven luciferase reporter mouse and human tissue specimens. FASEB Journal, 2013, 27, 1342-1350.	0.5	7
51	ERÎ± expression in T lymphocytes is dispensable for estrogenic effects in bone. Journal of Endocrinology, 2018, 238, 129-136.	2.6	7
52	Phosphorylation site S122 in estrogen receptor Î± has a tissueâ€dependent role in female mice. FASEB Journal, 2020, 34, 15991-16002.	0.5	7
53	The Role of IGF-1 for Fracture Risk in Men. Frontiers in Endocrinology, 2012, 3, 51.	3.5	5
54	Mild stimulatory effect of a probiotic mix on bone mass when treatment is initiated 1.5 weeks after ovariectomy in mice. American Journal of Physiology - Endocrinology and Metabolism, 2021, 320, E591-E597.	3.5	5

#	Article	IF	Citations
55	Acute fat loss does not affect bone mass. Scientific Reports, 2021, 11, 14177.	3.3	5
56	Development of a synbiotic that protects against ovariectomy-induced trabecular bone loss. American Journal of Physiology - Endocrinology and Metabolism, 2022, 322, E344-E354.	3.5	5
57	The effects of estradiol are modulated in a tissue-specific manner in mice with inducible inactivation of ERÎ± after sexual maturation. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E646-E654.	3.5	4
58	A probiotic mix partially protects against castration-induced bone loss in male mice. Journal of Endocrinology, 2022, 254, 91-101.	2.6	4
59	The somatomedin hypothesis revisited in a transgenic model. Growth Hormone and IGF Research, 2001, 11, S49-S52.	1.1	3