Marie K Lagerquist

List of Publications by Year
in descending order

81 papers	5,560 citations	101384 36 h-index	79541 73 g-index
82 all docs	82 docs citations	82 times ranked	6043 citing authors

#	Article	IF	Citations
1	Androgens and Bone. Endocrine Reviews, 2004, 25, 389-425.	8.9	611
2	The gut microbiota regulates bone mass in mice. Journal of Bone and Mineral Research, 2012, 27, 1357-1367.	3.1	585
3	Estrogen Receptor (ER)-Î² Reduces ERÎ±-Regulated Gene Transcription, Supporting a â€œYing Yangâ€• Relationship between ERÎ± and ERÎ² in Mice. Molecular Endocrinology, 2003, 17, 203-208.	3.7	433
4	Estrogen receptor specificity in the regulation of skeletal growth and maturation in male mice. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 5474-5479.	3.3	353
5	Obesity and Disturbed Lipoprotein Profile in Estrogen Receptor-Î±-Deficient Male Mice. Biochemical and Biophysical Research Communications, 2000, 278, 640-645.	1.0	299
6	Measurement of a Comprehensive Sex Steroid Profile in Rodent Serum by High-Sensitive Gas Chromatography-Tandem Mass Spectrometry. Endocrinology, 2015, 156, 2492-2502.	1.4	246
7	Sex Steroid Actions in Male Bone. Endocrine Reviews, 2014, 35, 906-960.	8.9	239
8	Estrogen receptor specificity in the regulation of the skeleton in female mice. Journal of Endocrinology, 2001, 171, 229-236.	1.2	182
9	Estrogen receptor specificity for the effects of estrogen in ovariectomized mice. Journal of Endocrinology, 2002, 174, 167-178.	1.2	161
10	Raloxifene- and estradiol-mediated effects on uterus, bone and B lymphocytes in mice. Journal of Endocrinology, 2002, 175, 319-327.	1.2	161
11	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.	3.3	118
12	Estrogens in rheumatoid arthritis; the immune system and bone. Molecular and Cellular Endocrinology, 2011, 335, 14-29.	1.6	100
13	The role of the G protein-coupled receptor GPR30 in the effects of estrogen in ovariectomized mice. American Journal of Physiology - Endocrinology and Metabolism, 2009, 296, E490-E496.	1.8	96
14	Dihydrotestosterone Treatment Results in Obesity and Altered Lipid Metabolism in Orchidectomized Mice. Obesity, 2006, 14, 662-672.	1.5	92
15	Estrogen Receptor-Î² Inhibits Skeletal Growth and Has the Capacity to Mediate Growth Plate Fusion in Female Mice. Journal of Bone and Mineral Research, 2003, 19, 72-77.	3.1	89
16	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.	3.3	88
17	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.	3.1	87
18	The role of estrogen receptor Î± in the regulation of bone and growth plate cartilage. Cellular and Molecular Life Sciences, 2013, 70, 4023-4037.	2.4	85

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19	Disproportional Body Growth in Female Estrogen Receptor-Î±-Inactivated Mice. Biochemical and Biophysical Research Communications, 1999, 265, 569-571.	1.0	82
20	Estrogen receptor alpha, but not estrogen receptor beta, is involved in the regulation of the OPG/RANKL (osteoprotegerin/receptor activator of NF-kappa B ligand) ratio and serum interleukin-6 in male mice. Journal of Endocrinology, 2001, 171, 425-433.	1.2	82
21	The role of estrogen receptor Î± in growth plate cartilage for longitudinal bone growth. Journal of Bone and Mineral Research, 2010, 25, 2690-2700.	3.1	70
22	Two Different Pathways for the Maintenance of Trabecular Bone in Adult Male Mice. Journal of Bone and Mineral Research, 2002, 17, 555-562.	3.1	69
23	Estrogen Receptor Î±, but not Estrogen Receptor Î², is Involved in the Regulation of the Hair Follicle Cycling as well as the Thickness of Epidermis in Male Mice. Journal of Investigative Dermatology, 2002, 119, 1053-1058.	0.3	60
24	Increased adipogenesis in bone marrow but decreased bone mineral density in mice devoid of thyroid hormone receptors. Bone, 2005, 36, 607-616.	1.4	57
25	The role of membrane ERÎ± signaling in bone and other major estrogen responsive tissues. Scientific Reports, 2016, 6, 29473.	1.6	51
26	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.	3.3	50
27	Estrogen regulates T helper 17 phenotype and localization in experimental autoimmune arthritis. Arthritis Research and Therapy, 2015, 17, 32.	1.6	47
28	Repeated in vivo determinations of bone mineral density during parathyroid hormone treatment in ovariectomized mice. Journal of Endocrinology, 2001, 170, 529-537.	1.2	46
29	Reduced Bone Mass and Muscle Strength in Male 5Î±-Reductase Type 1 Inactivated Mice. PLoS ONE, 2011, 6, e21402.	1.1	46
30	Elevated Aromatase Expression in Osteoblasts Leads to Increased Bone Mass Without Systemic Adverse Effects. Journal of Bone and Mineral Research, 2009, 24, 1263-1270.	3.1	41
31	Amelioration of collagenâ€induced arthritis and immuneâ€associated bone loss through signaling via estrogen receptor Î±, and not estrogen receptor Î² or G proteinâ€“coupled receptor 30. Arthritis and Rheumatism, 2010, 62, 524-533.	6.7	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.	3.3	40
33	Role of raloxifene as a potent inhibitor of experimental postmenopausal polyarthritis and osteoporosis. Arthritis and Rheumatism, 2007, 56, 3261-3270.	6.7	39
34	The role of estrogen receptor-Î± and its activation function-1 for growth plate closure in female mice. American Journal of Physiology - Endocrinology and Metabolism, 2012, 302, E1381-E1389.	1.8	39
35	Liver-derived IGF-I is permissive for ovariectomy-induced trabecular bone loss. Bone, 2006, 38, 85-92.	1.4	38
36	Estrogen receptor-Î± expression in neuronal cells affects bone mass. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 983-988.	3.3	37

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37	Identification of Estrogen-Regulated Genes of Potential Importance for the Regulation of Trabecular Bone Mineral Density. Journal of Bone and Mineral Research, 2002, 17, 2183-2195.	3.1	36
38	IL-17-producing Î³Î´T cells are regulated by estrogen during development of experimental arthritis. Clinical Immunology, 2015, 161, 324-332.	1.4	33
39	Inducible Wnt16 inactivation: WNT16 regulates cortical bone thickness in adult mice. Journal of Endocrinology, 2018, 237, 113-122.	1.2	32
40	The role of total and cartilage-specific estrogen receptor alpha expression for the ameliorating effect of estrogen treatment on arthritis. Arthritis Research and Therapy, 2014, 16, R150.	1.6	28
41	Female Mice Lacking Estrogen Receptor-Î± in Hypothalamic Proopiomelanocortin (POMC) Neurons Display Enhanced Estrogenic Response on Cortical Bone Mass. Endocrinology, 2016, 157, 3242-3252.	1.4	28
42	Identification of Target Cells for the Genomic Effects of Estrogens in Bone. Endocrinology, 2007, 148, 5688-5695.	1.4	25
43	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.	3.1	23
44	Investigation of central versus peripheral effects of estradiol in ovariectomized mice. Journal of Endocrinology, 2005, 187, 303-309.	1.2	22
45	Long-term anti-arthritic and anti-osteoporotic effects of raloxifene in established experimental postmenopausal polyarthritis. Clinical and Experimental Immunology, 2008, 152, 593-597.	1.1	22
46	Periarticular Bone Loss in Antigenâ€Induced Arthritis. Arthritis and Rheumatism, 2013, 65, 2857-2865.	6.7	22
47	Regulation of bone growth via ligand-specific activation of estrogen receptor alpha. Journal of Endocrinology, 2017, 232, 403-410.	1.2	21
48	Enzalutamide Reduces the Bone Mass in the Axial But Not the Appendicular Skeleton in Male Mice. Endocrinology, 2016, 157, 969-977.	1.4	20
49	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.	1.8	20
50	Role of Androgen and Estrogen Receptors for the Action of Dehydroepiandrosterone (DHEA). Endocrinology, 2014, 155, 889-896.	1.4	17
51	The effect of estrogen on bone requires ERÎ± in nonhematopoietic cells but is enhanced by ERÎ± in hematopoietic cells. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E589-E595.	1.8	16
52	Liver-derived IGF1 enhances the androgenic response in prostate. Journal of Endocrinology, 2008, 199, 489-497.	1.2	15
53	Combined treatment with dexamethasone and raloxifene totally abrogates osteoporosis and joint destruction in experimental postmenopausal arthritis. Arthritis Research and Therapy, 2011, 13, R96.	1.6	14
54	Vitamin D3 receptor polymorphisms regulate T cells and T cell-dependent inflammatory diseases. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24986-24997.	3.3	14

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55	Estrogen increases coagulation factor V mRNA levels via both estrogen receptor-alpha and -beta in murine bone marrow/bone. European Journal of Endocrinology, 2004, 151, 259-263.	1.9	13
56	Exosomal secretion of death bullets: a new way of apoptotic escape?. American Journal of Physiology - Endocrinology and Metabolism, 2012, 303, E1015-E1024.	1.8	12
57	Membrane estrogen receptor Î± is essential for estrogen signaling in the male skeleton. Journal of Endocrinology, 2018, 239, 303-312.	1.2	12
58	Effects of oestradiol and raloxifene on the induction and effector phases of experimental postmenopausal arthritis and secondary osteoporosis. Clinical and Experimental Immunology, 2011, 165, 121-129.	1.1	11
59	Role of endogenous and exogenous female sex hormones in arthritis and osteoporosis development in B10.Q-ncf1*/* mice with collagen-induced chronic arthritis. BMC Musculoskeletal Disorders, 2010, 11, 284.	0.8	10
60	Trabecular bone loss in collagen antibody-induced arthritis. Arthritis Research and Therapy, 2015, 17, 189.	1.6	10
61	Immunoglobulin G complexes without sialic acids enhance osteoclastogenesis but do not affect arthritisâ€mediated bone loss. Scandinavian Journal of Immunology, 2021, 93, e13009.	1.3	10
62	Estren promotes androgen phenotypes in primary lymphoid organs and submandibular glands. BMC Immunology, 2005, 6, 16.	0.9	9
63	17Î²-Estradiol Expands IgA-Producing B Cells in Mice Deficient for the Î¼ Chain. Scandinavian Journal of Immunology, 2007, 67, 071117034935001-???.	1.3	9
64	Roles of activating functions 1 and 2 of estrogen receptor Î± in lymphopoiesis. Journal of Endocrinology, 2018, 236, 99-109.	1.2	9
65	Estradiol ameliorates arthritis and protects against systemic bone loss in Staphylococcus aureus infection in mice. Arthritis Research and Therapy, 2012, 14, R76.	1.6	8
66	Effects of the selective GPER1 agonist G1 on bone growth. Endocrine Connections, 2019, 8, 1302-1309.	0.8	8
67	Extra-nuclear effects of estrogen on cortical bone in males require ERÎ±AF-1. Journal of Molecular Endocrinology, 2017, 58, 105-111.	1.1	7
68	ERÎ± expression in T lymphocytes is dispensable for estrogenic effects in bone. Journal of Endocrinology, 2018, 238, 129-136.	1.2	7
69	Phosphorylation site S122 in estrogen receptor Î± has a tissueâ€dependent role in female mice. FASEB Journal, 2020, 34, 15991-16002.	0.2	7
70	Estrogen receptor alpha signaling in extrahypothalamic neurons during late puberty decreases bone size and strength in female but not in male mice. FASEB Journal, 2020, 34, 7118-7126.	0.2	7
71	In vivo activation of gene transcription via oestrogen response elements by a raloxifene analogue. Journal of Endocrinology, 2009, 203, 349-356.	1.2	6
72	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.	1.8	5

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73	Acute fat loss does not affect bone mass. Scientific Reports, 2021, 11, 14177.	1.6	5
74	Pulsed administration for physiological estrogen replacement in mice. F1000Research, 2021, 10, 809.	0.8	5
75	Arginine site 264 in murine estrogen receptor-Î± is dispensable for the regulation of the skeleton. American Journal of Physiology - Endocrinology and Metabolism, 2021, 320, E160-E168.	1.8	5
76	Osteoporosis in a murine model of postmenopausal lupus. Lupus, 2020, 29, 58-66.	0.8	4
77	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.	1.8	4
78	A tissue-specific role of membrane-initiated ERÎ± signaling for the effects of SERMs. Journal of Endocrinology, 2022, 253, 75-84.	1.2	4
79	Increased bone mass in a mouse model with low fat mass. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E1274-E1285.	1.8	2
80	A tissue-selective estrogen complex as treatment of osteoporosis in experimental lupus. Lupus, 2022, 31, 143-154.	0.8	2
81	<scp>ERÎ±</scp> Signaling in a Subset of <scp>CXCL12</scp>â€Abundant Reticular Cells Regulates Trabecular Bone in Mice. JBMR Plus, 2022, 6, .	1.3	1