

Marie K Lagerquist

List of Publications by Year in descending order

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81
papers

5,560
citations

101543

36
h-index

79698

73
g-index

82
all docs

82
docs citations

82
times ranked

6043
citing authors

#	ARTICLE	IF	CITATIONS
1	Androgens and Bone. <i>Endocrine Reviews</i> , 2004, 25, 389-425.	20.1	611
2	The gut microbiota regulates bone mass in mice. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 1357-1367.	2.8	585
3	Estrogen Receptor (ER)- β Reduces ER α -Regulated Gene Transcription, Supporting a "Ying Yang" Relationship between ER α and ER β in Mice. <i>Molecular Endocrinology</i> , 2003, 17, 203-208.	3.7	433
4	Estrogen receptor specificity in the regulation of skeletal growth and maturation in male mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 5474-5479.	7.1	353
5	Obesity and Disturbed Lipoprotein Profile in Estrogen Receptor- β -Deficient Male Mice. <i>Biochemical and Biophysical Research Communications</i> , 2000, 278, 640-645.	2.1	299
6	Measurement of a Comprehensive Sex Steroid Profile in Rodent Serum by High-Sensitive Gas Chromatography-Tandem Mass Spectrometry. <i>Endocrinology</i> , 2015, 156, 2492-2502.	2.8	246
7	Sex Steroid Actions in Male Bone. <i>Endocrine Reviews</i> , 2014, 35, 906-960.	20.1	239
8	Estrogen receptor specificity in the regulation of the skeleton in female mice. <i>Journal of Endocrinology</i> , 2001, 171, 229-236.	2.6	182
9	Estrogen receptor specificity for the effects of estrogen in ovariectomized mice. <i>Journal of Endocrinology</i> , 2002, 174, 167-178.	2.6	161
10	Raloxifene- and estradiol-mediated effects on uterus, bone and B lymphocytes in mice. <i>Journal of Endocrinology</i> , 2002, 175, 319-327.	2.6	161
11	Estrogen receptor- β in osteocytes is important for trabecular bone formation in male mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2294-2299.	7.1	118
12	Estrogens in rheumatoid arthritis; the immune system and bone. <i>Molecular and Cellular Endocrinology</i> , 2011, 335, 14-29.	3.2	100
13	The role of the G protein-coupled receptor GPR30 in the effects of estrogen in ovariectomized mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 296, E490-E496.	3.5	96
14	Dihydrotestosterone Treatment Results in Obesity and Altered Lipid Metabolism in Orchidectomized Mice. <i>Obesity</i> , 2006, 14, 662-672.	3.0	92
15	Estrogen Receptor- β Inhibits Skeletal Growth and Has the Capacity to Mediate Growth Plate Fusion in Female Mice. <i>Journal of Bone and Mineral Research</i> , 2004, 19, 72-77.	2.8	89
16	Roles of transactivating functions 1 and 2 of estrogen receptor- β in bone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6288-6293.	7.1	88
17	Estrogen receptor- β is required for the osteogenic response to mechanical loading in a ligand-independent manner involving its activation function 1 but not 2. <i>Journal of Bone and Mineral Research</i> , 2013, 28, 291-301.	2.8	87
18	The role of estrogen receptor β in the regulation of bone and growth plate cartilage. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 4023-4037.	5.4	85

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19	Disproportional Body Growth in Female Estrogen Receptor- $\hat{1}$ -Inactivated Mice. <i>Biochemical and Biophysical Research Communications</i> , 1999, 265, 569-571.	2.1	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. <i>Journal of Endocrinology</i> , 2001, 171, 425-433.	2.6	82
21	The role of estrogen receptor $\hat{1}$ in growth plate cartilage for longitudinal bone growth. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 2690-2700.	2.8	70
22	Two Different Pathways for the Maintenance of Trabecular Bone in Adult Male Mice. <i>Journal of Bone and Mineral Research</i> , 2002, 17, 555-562.	2.8	69
23	Estrogen Receptor $\hat{1}$, but not Estrogen Receptor $\hat{2}$, is Involved in the Regulation of the Hair Follicle Cycling as well as the Thickness of Epidermis in Male Mice. <i>Journal of Investigative Dermatology</i> , 2002, 119, 1053-1058.	0.7	60
24	Increased adipogenesis in bone marrow but decreased bone mineral density in mice devoid of thyroid hormone receptors. <i>Bone</i> , 2005, 36, 607-616.	2.9	57
25	The role of membrane ER $\hat{1}$ signaling in bone and other major estrogen responsive tissues. <i>Scientific Reports</i> , 2016, 6, 29473.	3.3	51
26	The bone-sparing effects of estrogen and WNT16 are independent of each other. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14972-14977.	7.1	50
27	Estrogen regulates T helper 17 phenotype and localization in experimental autoimmune arthritis. <i>Arthritis Research and Therapy</i> , 2015, 17, 32.	3.5	47
28	Repeated in vivo determinations of bone mineral density during parathyroid hormone treatment in ovariectomized mice. <i>Journal of Endocrinology</i> , 2001, 170, 529-537.	2.6	46
29	Reduced Bone Mass and Muscle Strength in Male $\hat{5}$ -Reductase Type 1 Inactivated Mice. <i>PLoS ONE</i> , 2011, 6, e21402.	2.5	46
30	Elevated Aromatase Expression in Osteoblasts Leads to Increased Bone Mass Without Systemic Adverse Effects. <i>Journal of Bone and Mineral Research</i> , 2009, 24, 1263-1270.	2.8	41
31	Amelioration of collagen-induced arthritis and immune-associated bone loss through signaling via estrogen receptor $\hat{1}$, and not estrogen receptor $\hat{2}$ or G protein-coupled receptor 30. <i>Arthritis and Rheumatism</i> , 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 $\hat{1}$ AF-2 is modified. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1180-1185.	7.1	40
33	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
34	The role of estrogen receptor- $\hat{1}$ and its activation function-1 for growth plate closure in female mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 302, E1381-E1389.	3.5	39
35	Liver-derived IGF-I is permissive for ovariectomy-induced trabecular bone loss. <i>Bone</i> , 2006, 38, 85-92.	2.9	38
36	Estrogen receptor- $\hat{1}$ 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.	7.1	37

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37	Identification of Estrogen-Regulated Genes of Potential Importance for the Regulation of Trabecular Bone Mineral Density. <i>Journal of Bone and Mineral Research</i> , 2002, 17, 2183-2195.	2.8	36
38	IL-17-producing $\gamma\delta$ T cells are regulated by estrogen during development of experimental arthritis. <i>Clinical Immunology</i> , 2015, 161, 324-332.	3.2	33
39	Inducible Wnt16 inactivation: WNT16 regulates cortical bone thickness in adult mice. <i>Journal of Endocrinology</i> , 2018, 237, 113-122.	2.6	32
40	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.	3.5	28
41	Female Mice Lacking Estrogen Receptor- β in Hypothalamic Proopiomelanocortin (POMC) Neurons Display Enhanced Estrogenic Response on Cortical Bone Mass. <i>Endocrinology</i> , 2016, 157, 3242-3252.	2.8	28
42	Identification of Target Cells for the Genomic Effects of Estrogens in Bone. <i>Endocrinology</i> , 2007, 148, 5688-5695.	2.8	25
43	The role of activation functions 1 and 2 of estrogen receptor- β 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.	2.8	23
44	Investigation of central versus peripheral effects of estradiol in ovariectomized mice. <i>Journal of Endocrinology</i> , 2005, 187, 303-309.	2.6	22
45	Long-term anti-arthritic and anti-osteoporotic effects of raloxifene in established experimental postmenopausal polyarthritis. <i>Clinical and Experimental Immunology</i> , 2008, 152, 593-597.	2.6	22
46	Periarticular Bone Loss in Antigen-Induced Arthritis. <i>Arthritis and Rheumatism</i> , 2013, 65, 2857-2865.	6.7	22
47	Regulation of bone growth via ligand-specific activation of estrogen receptor alpha. <i>Journal of Endocrinology</i> , 2017, 232, 403-410.	2.6	21
48	Enzalutamide Reduces the Bone Mass in the Axial But Not the Appendicular Skeleton in Male Mice. <i>Endocrinology</i> , 2016, 157, 969-977.	2.8	20
49	SERMs have substance-specific effects on bone, and these effects are mediated via ER β -AF-1 in female mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 310, E912-E918.	3.5	20
50	Role of Androgen and Estrogen Receptors for the Action of Dehydroepiandrosterone (DHEA). <i>Endocrinology</i> , 2014, 155, 889-896.	2.8	17
51	The effect of estrogen on bone requires ER β in nonhematopoietic cells but is enhanced by ER α in hematopoietic cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 307, E589-E595.	3.5	16
52	Liver-derived IGF1 enhances the androgenic response in prostate. <i>Journal of Endocrinology</i> , 2008, 199, 489-497.	2.6	15
53	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.	3.5	14
54	Vitamin D3 receptor polymorphisms regulate T cells and T cell-dependent inflammatory diseases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 24986-24997.	7.1	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. <i>European Journal of Endocrinology</i> , 2004, 151, 259-263.	3.7	13
56	Exosomal secretion of death bullets: a new way of apoptotic escape?. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 303, E1015-E1024.	3.5	12
57	Membrane estrogen receptor $\text{ER}\alpha$ is essential for estrogen signaling in the male skeleton. <i>Journal of Endocrinology</i> , 2018, 239, 303-312.	2.6	12
58	Effects of oestradiol and raloxifene on the induction and effector phases of experimental postmenopausal arthritis and secondary osteoporosis. <i>Clinical and Experimental Immunology</i> , 2011, 165, 121-129.	2.6	11
59	Role of endogenous and exogenous female sex hormones in arthritis and osteoporosis development in B10.Q- <i>nfc1</i> ^{*/*} mice with collagen-induced chronic arthritis. <i>BMC Musculoskeletal Disorders</i> , 2010, 11, 284.	1.9	10
60	Trabecular bone loss in collagen antibody-induced arthritis. <i>Arthritis Research and Therapy</i> , 2015, 17, 189.	3.5	10
61	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.	2.7	10
62	Estren promotes androgen phenotypes in primary lymphoid organs and submandibular glands. <i>BMC Immunology</i> , 2005, 6, 16.	2.2	9
63	17 β -Estradiol Expands IgA-Producing B Cells in Mice Deficient for the μ Chain. <i>Scandinavian Journal of Immunology</i> , 2007, 67, 071117034935001-???	2.7	9
64	Roles of activating functions 1 and 2 of estrogen receptor $\text{ER}\alpha$ in lymphopoiesis. <i>Journal of Endocrinology</i> , 2018, 236, 99-109.	2.6	9
65	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.	3.5	8
66	Effects of the selective GPER1 agonist G1 on bone growth. <i>Endocrine Connections</i> , 2019, 8, 1302-1309.	1.9	8
67	Extra-nuclear effects of estrogen on cortical bone in males require $\text{ER}\alpha$ -AF-1. <i>Journal of Molecular Endocrinology</i> , 2017, 58, 105-111.	2.5	7
68	$\text{ER}\alpha$ expression in T lymphocytes is dispensable for estrogenic effects in bone. <i>Journal of Endocrinology</i> , 2018, 238, 129-136.	2.6	7
69	Phosphorylation site S122 in estrogen receptor $\text{ER}\alpha$ has a tissue-dependent role in female mice. <i>FASEB Journal</i> , 2020, 34, 15991-16002.	0.5	7
70	Estrogen receptor alpha signaling in extrahypothalamic neurons during late puberty decreases bone size and strength in female but not in male mice. <i>FASEB Journal</i> , 2020, 34, 7118-7126.	0.5	7
71	In vivo activation of gene transcription via oestrogen response elements by a raloxifene analogue. <i>Journal of Endocrinology</i> , 2009, 203, 349-356.	2.6	6
72	Mild stimulatory effect of a probiotic mix on bone mass when treatment is initiated 1.5 weeks after ovariectomy in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 320, E591-E597.	3.5	5

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73	Acute fat loss does not affect bone mass. Scientific Reports, 2021, 11, 14177.	3.3	5
74	Pulsed administration for physiological estrogen replacement in mice. F1000Research, 2021, 10, 809.	1.6	5
75	Arginine site 264 in murine estrogen receptor- α is dispensable for the regulation of the skeleton. American Journal of Physiology - Endocrinology and Metabolism, 2021, 320, E160-E168.	3.5	5
76	Osteoporosis in a murine model of postmenopausal lupus. Lupus, 2020, 29, 58-66.	1.6	4
77	The effects of estradiol are modulated in a tissue-specific manner in mice with inducible inactivation of ER α after sexual maturation. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E646-E654.	3.5	4
78	A tissue-specific role of membrane-initiated ER α signaling for the effects of SERMs. Journal of Endocrinology, 2022, 253, 75-84.	2.6	4
79	Increased bone mass in a mouse model with low fat mass. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E1274-E1285.	3.5	2
80	A tissue-selective estrogen complex as treatment of osteoporosis in experimental lupus. Lupus, 2022, 31, 143-154.	1.6	2
81	<sc>ER α </sc> Signaling in a Subset of <sc>CXCL12</sc>-Abundant Reticular Cells Regulates Trabecular Bone in Mice. JBMR Plus, 2022, 6, .	2.7	1