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Increased adipose tissue in male and female estrogen receptor-alpha knockout mice

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#	Paper	IF	Citations
1048	Aromatase-deficient (ArKO) mice have a phenotype of increased adiposity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2000</b> , 97, 12735-40	11.5	587
1047	Another role highlighted for estrogens in the male: sexual behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2000</b> , 97, 14038-40	11.5	21
1046	Expression of p68 RNA helicase is closely related to the early stage of adipocyte differentiation of mouse 3T3-L1 cells. <b>2001</b> , 287, 435-9		39
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1044	Estrogen receptor-alpha knockout mice exhibit resistance to the developmental effects of neonatal diethylstilbestrol exposure on the female reproductive tract. <b>2001</b> , 238, 224-38		163
1043	Estradiol, CCK and satiation. <b>2001</b> , 22, 1251-63		131
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465	17 $\beta$ Estradiol suppresses visceral adipogenesis and activates brown adipose tissue-specific gene expression. <b>2017</b> , 29, 13-26		14
464	Relaci3n entre estradiol plasm3tico, glucemia en ayunas y triglic3cidos en varones con s3ndrome metab3lico. <b>2016</b> , 53, 90-95		
463	Sex differences in sympathetic innervation and browning of white adipose tissue of mice. <b>2016</b> , 7, 67		67
462	An ER $\alpha$ agonist induces browning of subcutaneous abdominal fat pad in obese female mice. <b>2016</b> , 6, 38579		24
461	Genome-wide association studies of growth traits in three dairy cattle breeds using whole-genome sequence data. <b>2016</b> , 94, 1426-37		24
460	Stress-induced alterations in estradiol sensitivity increase risk for obesity in women. <b>2016</b> , 166, 56-64		15
459	Effects of chronic testosterone administration on body weight and food intake differ among pre-pubertal, gonadal-intact, and ovariectomized female rats. <b>2016</b> , 309, 35-43		16
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450	Relationship between metabolic syndrome and metabolic syndrome score and beta cell function by gender in Korean populations with obesity. <b>2016</b> , 63, 785-793		5
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440	Bisphenol S- and bisphenol A-induced adipogenesis of murine preadipocytes occurs through direct peroxisome proliferator-activated receptor gamma activation. <b>2016</b> , 40, 1566-1573		94
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416	Hormone signaling and fatty liver in females: analysis of estrogen receptor $\beta$ mutant mice. <b>2017</b> , 41, 945-954		39
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383	Estradiol Regulation of Brown Adipose Tissue Thermogenesis. <b>2017</b> , 1043, 315-335	18
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366	Predictors of Physical Activity Amongst Women Students of Teacher Education for Primary Education at Indonesia University of Education, Sumedang Campus. <b>2017</b> , 180, 012195	

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364	Estradiol signaling mediates gender difference in visceral adiposity via autophagy. <b>2018</b> , 9, 309	23
363	Influence of Estradiol Status on Physical Activity in Premenopausal Women. <b>2018</b> , 50, 1704-1709	13
362	Transcriptional Regulation of TCF/LEF and PPAR $\gamma$ by Daidzein and Genistein in 3T3-L1 Preadipocytes. <b>2018</b> , 21, 761-768	2
361	Sex, metabolism and health. <b>2018</b> , 15, 3-7	34
360	Mechanism Underlying the Effects of Estrogen Deficiency on Otoconia. <b>2018</b> , 19, 353-362	12
359	Osteoporotic effect on bone repair in lumbar vertebral body defects in a rat model. <b>2018</b> , 26, 2309499018770349	49
358	Integrated transcriptomes throughout swine oestrous cycle reveal dynamic changes in reproductive tissues interacting networks. <b>2018</b> , 8, 5436	16
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348	Sex differences, endogenous sex-hormone hormones, sex-hormone binding globulin, and exogenous disruptors in diabetes and related metabolic outcomes. <b>2018</b> , 10, 428-441	29



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344	Estrogens and female liver health. <b>2018</b> , 133, 38-43	31
343	Sex-specific metabolic alterations induced by environmental pollutants. <b>2018</b> , 8, 1-7	5
342	Adipose tissue and reproductive health. <b>2018</b> , 86, 18-32	40
341	Adipose Organ Development and Remodeling. <b>2018</b> , 8, 1357-1431	68
340	N-terminal transactivation function, AF-1, of estrogen receptor alpha controls obesity through enhancement of energy expenditure. <b>2018</b> , 18, 68-78	13
339	Activation of estrogen receptor alpha induces beiging of adipocytes. <b>2018</b> , 18, 51-59	27
338	Estrogen therapy associated with mechanical vibration improves bone microarchitecture and density in osteopenic female mice. <b>2018</b> , 233, 715-723	2
337	Estrogen receptor 1 gene polymorphisms are associated with metabolic syndrome in postmenopausal women in China. <b>2018</b> , 18, 65	10
336	Estrogen replacement enhances insulin-induced AS160 activation and improves insulin sensitivity in ovariectomized rats. <b>2018</b> , 315, E1296-E1304	8
335	Effects of Estrogens on Central Nervous System Neurotransmission: Implications for Sex Differences in Mental Disorders. <b>2018</b> , 160, 105-171	15
334	Lack of 17 $\beta$ estradiol reduces sensitivity to insulin in the liver and muscle of male mice. <b>2018</b> , 4, e00772	5
333	Sex differences in metabolism and cardiometabolic disorders. <b>2018</b> , 29, 404-410	50
332	Short-term tamoxifen treatment has long-term effects on metabolism in high-fat diet-fed mice with involvement of Nmnat2 in POMC neurons. <b>2018</b> , 592, 3305-3316	7
331	Sex-Dimorphic and Sex Hormone-Dependent Role of Steroid Sulfatase in Adipose Inflammation and Energy Homeostasis. <b>2018</b> , 159, 3365-3377	13
330	Central regulation of energy metabolism by estrogens. <b>2018</b> , 15, 104-115	48

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328	Estrogen receptor subcellular localization and cardiometabolism. <b>2018</b> , 15, 56-69		28
327	The impact of ER $\alpha$ on muscle metabolism and insulin sensitivity - Strong enough for a man, made for a woman. <b>2018</b> , 15, 20-34		25
326	Estradiol-mediated regulation of hepatic iNOS in obese rats: Impact of Src, ERK1/2, AMPK $\beta$ and miR-221. <b>2018</b> , 65, 797-806		5
325	Metabolic syndrome and extensive adipose tissue inflammation in morbidly obese Göttingen minipigs. <b>2018</b> , 16, 180-190		26
324	Enhancement of Lipid Metabolism and Hepatic Stability in Fat-Induced Obese Mice by Fermented Extract. <b>2018</b> , 2018, 3908453		8
323	Gender difference in the relationship between the ferritin and homeostasis model assessment of insulin resistance in non-diabetic Korean adults. <b>2018</b> , 13, e0199465		2
322	Gender and Sex Differences in Adipose Tissue. <b>2018</b> , 18, 69		81
321	Enteric Microbiota?Gut?Brain Axis from the Perspective of Nuclear Receptors. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	15
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319	Computational Model: Sexual Aspects in Hepatic Metabolism and Abnormalities. <b>2018</b> , 9, 360		23
318	Impact of estrogens and estrogen receptor- $\alpha$ in brain lipid metabolism. <b>2018</b> , 315, E7-E14		18
317	The Complexity of Adipose Tissue. <b>2018</b> , 205-223		1
316	Chronic treatment with tributyltin induces sexually dimorphic alterations in the hypothalamic POMC system of adult mice. <b>2018</b> , 374, 587-594		8
315	The Emerging Role(s) for Kisspeptin in Metabolism in Mammals. <i>Frontiers in Endocrinology</i> , <b>2018</b> , 9, 184	5.7	32
314	Ovarian Hormones Regulate the Production of Adipocytes From Bone Marrow-Derived Cells. <i>Frontiers in Endocrinology</i> , <b>2018</b> , 9, 276	5.7	13
313	Endocrine Disrupting Chemicals Mediated through Binding Androgen Receptor Are Associated with Diabetes Mellitus. <b>2017</b> , 15,		9
312	Androgen and estrogen actions on male physical activity: a story beyond muscle. <b>2018</b> , 238, R31-R52		10

311	Estrogen effects on oxytocinergic pathways that regulate food intake. <b>2018</b> , 105, 128-137		8
310	Deletion of estrogen receptor $\beta$ in skeletal muscle results in impaired contractility in female mice. <b>2018</b> , 124, 980-992		27
309	Emerging Roles of Estrogen-Related Receptors in the Brain: Potential Interactions with Estrogen Signaling. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	29
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307	Amelioration of postmenopausal osteoporosis and anticancer properties of an antioxidant enriched fraction from <i>Hygrophila spinosa</i> T. Anders. <b>2018</b> , 117, 247-255		4
306	Determinants of body fat distribution in humans may provide insight about obesity-related health risks. <b>2019</b> , 60, 1710-1719		47
305	Ovarian estradiol supports sexual behavior but not energy homeostasis in female marmoset monkeys. <b>2019</b> , 43, 1034-1045		1
304	Liver and Steroid Hormones-Can a Touch of p53 Make a Difference?. <i>Frontiers in Endocrinology</i> , <b>2019</b> , 10, 374	5.7	20
303	Sex hormones, aging and cardiometabolic syndrome. <b>2019</b> , 10, 30		32
302	Estrogen receptor inhibition enhances cold-induced adipocyte beiging and glucose tolerance. <b>2019</b> , 12, 1419-1436		4
301	Obesity, Neuroinflammation, and Reproductive Function. <b>2019</b> , 160, 2719-2736		40
300	The capacity for oestrogen to influence obesity through brown adipose tissue thermogenesis in animal models: A systematic review and meta-analysis. <b>2019</b> , 5, 592-602		7
299	Multi-trait meta-analyses reveal 25 quantitative trait loci for economically important traits in Brown Swiss cattle. <b>2019</b> , 20, 695		13
298	Raloxifene inhibits adipose tissue inflammation and adipogenesis through Wnt regulation in ovariectomized rats and 3 T3-L1 cells. <b>2019</b> , 26, 62		12
297	27-Hydroxycholesterol Promotes Adiposity and Mimics Adipogenic Diet-Induced Inflammatory Signaling. <b>2019</b> , 160, 2485-2494		13
296	Sex Dependent Dysregulation of Hepatic Glucose Production in Lean Type 2 Diabetic Rats. <i>Frontiers in Endocrinology</i> , <b>2019</b> , 10, 538	5.7	4
295	Type 2 Diabetes Mellitus and Menopausal Hormone Therapy: An Update. <b>2019</b> , 10, 2313-2320		11
294	Anti-inflammatory effects of oestrogen mediate the sexual dimorphic response to lipid-induced insulin resistance. <b>2019</b> , 597, 3885-3903		24

293	Regulation of murine skeletal muscle growth by STAT5B is age- and sex-specific. <b>2019</b> , 9, 19		8
292	The Role of 17 $\beta$ Estradiol and Estrogen Receptors in Regulation of Ca Channels and Mitochondrial Function in Cardiomyocytes. <i>Frontiers in Endocrinology</i> , <b>2019</b> , 10, 310	5-7	29
291	gga-miRNA-18b-3p Inhibits Intramuscular Adipocytes Differentiation in Chicken by Targeting the Gene. <b>2019</b> , 8,		13
290	The gut microbiota regulates white adipose tissue inflammation and obesity via a family of microRNAs. <b>2019</b> , 11,		123
289	Chronic High-Fat Diet Exacerbates Sexually Dimorphic Pomctm1/tm1 Mouse Obesity. <b>2019</b> , 160, 1081-1096		13
288	Estradiol stimulates adipogenesis and Slc2a4/GLUT4 expression via ESR1-mediated activation of CEBPA. <i>Molecular and Cellular Endocrinology</i> , <b>2019</b> , 498, 110447	4-4	16
287	Effects of hypothyroidism on the mesenteric and omental adipose tissue in rats. <i>Molecular and Cellular Endocrinology</i> , <b>2019</b> , 490, 88-99	4-4	3
286	Endocrine-Mediated Mechanisms of Metabolic Disruption and New Approaches to Examine the Public Health Threat. <i>Frontiers in Endocrinology</i> , <b>2019</b> , 10, 39	5-7	28
285	Estrogen receptor-alpha knockouts and maternal memory in nulliparous rats. <b>2019</b> , 110, 40-45		3
284	Metabolic control and sex: A focus on inflammatory-linked mediators. <b>2019</b> , 176, 4193-4207		10
283	Aging of the musculoskeletal system: How the loss of estrogen impacts muscle strength. <b>2019</b> , 123, 137-144		39
282	Lipectomy associated to obesity produces greater fat accumulation in the visceral white adipose tissue of female compared to male rats. <b>2019</b> , 18, 44		2
281	Impact of Estrogens on the Regulation of White, Beige, and Brown Adipose Tissue Depots. <b>2019</b> , 9, 457-475		10
280	The aqueous and methanol extracts of <i>Bambusa vulgaris</i> (Poaceae) improve calcium and phosphorus levels, and bone microstructure in ovariectomized model of osteoporosis. <b>2019</b> , 30,		2
279	Disruption of ESR1 alters the expression of genes regulating hepatic lipid and carbohydrate metabolism in male rats. <i>Molecular and Cellular Endocrinology</i> , <b>2019</b> , 490, 47-56	4-4	13
278	High-Fat Diet Alters Immunogenic Properties of Circulating and Adipose Tissue-Associated Myeloid-Derived CD45 <sup>+</sup> CD11b <sup>+</sup> Cells. <b>2019</b> , 2019, 1648614		3
277	Management of cardiovascular complications in Klinefelter syndrome patients. <b>2019</b> , 14, 145-152		3
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