Coralie Fontaine

List of Publications by Year
in descending order

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Version: 2024-02-01

44 papers	2,089 citations	304602 22 h-index	254106 43 g-index
45 all docs	45 docs citations	45 times ranked	2192 citing authors

#	Article	IF	Citations
1	Membrane and Nuclear Estrogen Receptor Alpha Actions: From Tissue Specificity to Medical Implications. Physiological Reviews, 2017, 97, 1045-1087.	13.1	283
2	Mutation of the palmitoylation site of estrogen receptor Î± in vivo reveals tissue-specific roles for membrane versus nuclear actions. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E283-90.	3.3	221
3	Estrogen Receptors and Endothelium. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 1506-1512.	1.1	183
4	Activation function 2 (AF2) of estrogen receptor-Î± is required for the atheroprotective action of estradiol but not to accelerate endothelial healing. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13311-13316.	3.3	110
5	The transactivating function 1 of estrogen receptor Î± is dispensable for the vasculoprotective actions of 17Î²-estradiol. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2053-2058.	3.3	107
6	Estrogen Receptors and Endometriosis. International Journal of Molecular Sciences, 2020, 21, 2815.	1.8	98
7	Endothelial Estrogen Receptor-Î± Plays a Crucial Role in the Atheroprotective Action of 17Î²-Estradiol in Low-Density Lipoprotein Receptorâ€“Deficient Mice. Circulation, 2009, 120, 2567-2576.	1.6	96
8	The uterine and vascular actions of estetrol delineate a distinctive profile of estrogen receptor Î± modulation, uncoupling nuclear and membrane activation. EMBO Molecular Medicine, 2014, 6, 1328-1346.	3.3	96
9	Growth and differentiation factor 15 is secreted by skeletal muscle during exercise and promotes lipolysis in humans. JCI Insight, 2020, 5, .	2.3	72
10	Critical Role of Estrogens on Bone Homeostasis in Both Male and Female: From Physiology to Medical Implications. International Journal of Molecular Sciences, 2021, 22, 1568.	1.8	65
11	The AF-1 Activation Function of Estrogen Receptor Î± Is Necessary and Sufficient for Uterine Epithelial Cell Proliferation In Vivo. Endocrinology, 2013, 154, 2222-2233.	1.4	59
12	The Activation Function-1 of Estrogen Receptor Alpha Prevents Arterial Neointima Development Through a Direct Effect on Smooth Muscle Cells. Circulation Research, 2015, 117, 770-778.	2.0	50
13	The AF-1-deficient estrogen receptor ERÎ±46 isoform is frequently expressed in human breast tumors. Breast Cancer Research, 2016, 18, 123.	2.2	50
14	Estrogen Receptor Î± Expression in Both Endothelium and Hematopoietic Cells Is Required for the Accelerative Effect of Estradiol on Reendothelialization. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 1543-1550.	1.1	47
15	Predominant Role of Nuclear Versus Membrane Estrogen Receptor Î± in Arterial Protection: Implications for Estrogen Receptor Î± Modulation in Cardiovascular Prevention/Safety. Journal of the American Heart Association, 2018, 7, .	1.6	45
16	Lessons from the dissection of the activation functions (AF-1 and AF-2) of the estrogen receptor alpha in vivo. Steroids, 2013, 78, 576-582.	0.8	41
17	Selective Activation of Estrogen Receptor Î± Activation Function-1 Is Sufficient to Prevent Obesity, Steatosis, and Insulin Resistance in Mouse. American Journal of Pathology, 2017, 187, 1273-1287.	1.9	38
18	Estrogen receptor subcellular localization and cardiometabolism. Molecular Metabolism, 2018, 15, 56-69.	3.0	37

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19	Profile of estetrol, a promising native estrogen for oral contraception and the relief of climacteric symptoms of menopause. Expert Review of Clinical Pharmacology, 2022, 15, 121-137.	1.3	33
20	Estetrol, a Fetal Selective Estrogen Receptor Modulator, Acts on the Vagina of Mice through Nuclear Estrogen Receptor Î± Activation. American Journal of Pathology, 2017, 187, 2499-2507.	1.9	28
21	Effect of estetrol, a selective nuclear estrogen receptor modulator, in mouse models of arterial and venous thrombosis. Molecular and Cellular Endocrinology, 2018, 477, 132-139.	1.6	28
22	Tamoxifen Elicits Atheroprotection through Estrogen Receptor Î± AF-1 But Does Not Accelerate Reendothelialization. American Journal of Pathology, 2013, 183, 304-312.	1.9	26
23	Changes in Gene Expression and Estrogen Receptor Cistrome in Mouse Liver Upon Acute E2 Treatment. Molecular Endocrinology, 2016, 30, 709-732.	3.7	25
24	Selective Liver Estrogen Receptor Î± Modulation Prevents Steatosis, Diabetes, and Obesity Through the Anorectic Growth Differentiation Factor 15 Hepatokine in Mice. Hepatology Communications, 2019, 3, 908-924.	2.0	25
25	Mutation of Arginine 264 on ERÎ± (Estrogen Receptor Alpha) Selectively Abrogates the Rapid Signaling of Estradiol in the Endothelium Without Altering Fertility. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 2143-2158.	1.1	23
26	Towards optimization of estrogen receptor modulation in medicine. , 2018, 189, 123-129.		21
27	Role of ERÎ± in the Effect of Estradiol on Cancellous and Cortical Femoral Bone in Growing Female Mice. Endocrinology, 2016, 157, 2533-2544.	1.4	20
28	Nuclear Activation Function 2 Estrogen Receptor Î± Attenuates Arterial and Renal Alterations Due to Aging and Hypertension in Female Mice. Journal of the American Heart Association, 2020, 9, e013895.	1.6	17
29	Tamoxifen Accelerates Endothelial Healing by Targeting ERÎ± in Smooth Muscle Cells. Circulation Research, 2020, 127, 1473-1487.	2.0	16
30	The Impact of Estrogen Receptor in Arterial and Lymphatic Vascular Diseases. International Journal of Molecular Sciences, 2020, 21, 3244.	1.8	16
31	Effect of chronic estradiol plus progesterone treatment on experimental arterial and venous thrombosis in mouse. PLoS ONE, 2017, 12, e0177043.	1.1	14
32	Estrogen Receptor and Vascular Aging. Frontiers in Aging, 2021, 2, .	1.2	13
33	Membrane estrogen receptor alpha (ERÎ±) participates in flow-mediated dilation in a ligand-independent manner. ELife, 2021, 10, .	2.8	13
34	Estetrol prevents Western dietâ€“induced obesity and atheroma independently of hepatic estrogen receptor Î±. American Journal of Physiology - Endocrinology and Metabolism, 2021, 320, E19-E29.	1.8	11
35	The tissue-specific effects of different 17Î²-estradiol doses reveal the key sensitizing role of AF1 domain in ERÎ± activity. Molecular and Cellular Endocrinology, 2020, 505, 110741.	1.6	10
36	Respective role of membrane and nuclear estrogen receptor (ER) Î± in the mandible of growing mice: Implications for ERÎ± modulation. Journal of Bone and Mineral Research, 2018, 33, 1520-1531.	3.1	9

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37	Protective Hematopoietic Effect of Estrogens in a Mouse Model of Thrombosis: Respective Roles of Nuclear Versus Membrane Estrogen Receptor Î±. Endocrinology, 2015, 156, 4293-4301.	1.4	8
38	Nuclear translocation of MRTFA in MCF7 breast cancer cells shifts ERÎ± nuclear/genomic to extra-nuclear/non genomic actions. Molecular and Cellular Endocrinology, 2021, 530, 111282.	1.6	7
39	A historical view of estrogen effect on arterial endothelial healing: From animal models to medical implication. Atherosclerosis, 2021, 338, 30-38.	0.4	7
40	Segregation of nuclear and membrane-initiated actions of estrogen receptor using genetically modified animals and pharmacological tools. Molecular and Cellular Endocrinology, 2022, 539, 111467.	1.6	6
41	The antagonist properties of Bazedoxifene after acute treatment are shifted to stimulatory action after chronic exposure in the liver but not in the uterus. Molecular and Cellular Endocrinology, 2018, 472, 87-96.	1.6	5
42	Early Inactivation of Membrane Estrogen Receptor Alpha (ERÎ±) Recapitulates the Endothelial Dysfunction of Aged Mouse Resistance Arteries. International Journal of Molecular Sciences, 2022, 23, 2862.	1.8	5
43	Versatile multicharacterization platform involving tailored superhydrophobic SU-8 micropillars for the investigation of breast cancer estrogen receptor isoforms. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2016, 34, 06K201.	0.6	4
44	Effects of conjugated estrogen and bazedoxifene on hemostasis and thrombosis in mice. Endocrine Connections, 2019, 8, 788-795.	0.8	1