Francoise Lenfant

List of Publications by Year
in descending order

87 papers	4,788 citations	109137 35 h-index	102304 66 g-index
90 all docs	90 docs citations	90 times ranked	5029 citing authors

#	Article	IF	Citations
1	Sex differences in metabolic regulation and diabetes susceptibility. Diabetologia, 2020, 63, 453-461.	2.9	423
2	Cutting Edge: Soluble HLA-G1 Triggers CD95/CD95 Ligand-Mediated Apoptosis in Activated CD8+ Cells by Interacting with CD8. Journal of Immunology, 2000, 164, 6100-6104.	0.4	422
3	Membrane and Nuclear Estrogen Receptor Alpha Actions: From Tissue Specificity to Medical Implications. Physiological Reviews, 2017, 97, 1045-1087.	13.1	283
4	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
5	Estrogen Receptors and Endothelium. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 1506-1512.	1.1	183
6	Soluble HLA-G1 inhibits angiogenesis through an apoptotic pathway and by direct binding to CD160 receptor expressed by endothelial cells. Blood, 2006, 108, 2608-2615.	0.6	181
7	Endothelial cells in chorionic fetal vessels of first trimester placenta express HLA-G. European Journal of Immunology, 1997, 27, 3380-3388.	1.6	152
8	Engagement of CD160 receptor by HLA-C is a triggering mechanism used by circulating natural killer (NK) cells to mediate cytotoxicity. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 16963-16968.	3.3	128
9	Secretion of pro-apoptotic intron 4-retaining soluble HLA-G1 by human villous trophoblast. European Journal of Immunology, 2002, 32, 3576-3586.	1.6	118
10	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
11	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
12	Maturation of antigen-presenting cells is compromised in HLA-G transgenic mice. International Immunology, 2001, 13, 385-394.	1.8	103
13	Estrogen Receptors and Endometriosis. International Journal of Molecular Sciences, 2020, 21, 2815.	1.8	98
14	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
15	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
16	Stromal Estrogen Receptor-Î± Promotes Tumor Growth by Normalizing an Increased Angiogenesis. Cancer Research, 2012, 72, 3010-3019.	0.4	88
17	Human Cytomegalovirus-Encoded US2 Differentially Affects Surface Expression of MHC Class I Locus Products and Targets Membrane-Bound, but Not Soluble HLA-G1 for Degradation. Journal of Immunology, 2003, 171, 6757-6765.	0.4	83
18	HLA-G unique promoter region: functional implications. Immunogenetics, 2001, 53, 617-625.	1.2	73

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19	Endothelial Estrogen Receptor Î± Plays an Essential Role in the Coronary and Myocardial Protective Effects of Estradiol in Ischemia/Reperfusion. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 2562-2567.	1.1	66
20	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
21	FGF2 Translationally Induced by Hypoxia Is Involved in Negative and Positive Feedback Loops with HIF-1Î±. PLoS ONE, 2008, 3, e3078.	1.1	65
22	Timing of the vascular actions of estrogens in experimental and human studies: Why protective early, and not when delayed?. Maturitas, 2011, 68, 165-173.	1.0	63
23	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
24	Chronic estradiol treatment reduces platelet responses and protects mice from thromboembolism through the hematopoietic estrogen receptor Î±. Blood, 2012, 120, 1703-1712.	0.6	54
25	The full length HLA-G1 and no other alternative form of HLA-G is expressed at the cell surface of transfected cells. Human Immunology, 2000, 61, 212-224.	1.2	51
26	Prevention of Skin Flap Necrosis by Estradiol Involves Reperfusion of a Protected Vascular Network. Circulation Research, 2009, 104, 245-254.	2.0	51
27	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
28	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
29	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
30	Lymphatic Vasculature Requires Estrogen Receptor-Î± Signaling to Protect From Lymphedema. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 1346-1357.	1.1	47
31	Interferon-Î³ rescues HLA class Ia cell surface expression in term villous trophoblast cells by inducing synthesis of TAP proteins. European Journal of Immunology, 1997, 27, 45-54.	1.6	46
32	Amino acid composition of Î±1/Î±2 domains and cytoplasmic tail of MHC classâ€„I molecules determine their susceptibility to human cytomegalovirus US11-mediated down-regulation. European Journal of Immunology, 2003, 33, 1707-1716.	1.6	45
33	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
34	Site-directed mutagenesis on TEM-1 ÃŸ-lactamase: role of Glu166 in catalysis and substrate binding. Protein Engineering, Design and Selection, 1991, 4, 805-810.	1.0	43
35	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
36	Estrogen receptor subcellular localization and cardiometabolism. Molecular Metabolism, 2018, 15, 56-69.	3.0	37

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37	Estradiol accelerates endothelial healing through the retrograde commitment of uninjured endothelium. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H2822-H2830.	1.5	35
38	Induction of HLA-G-restricted human cytomegalovirus pp65 (UL83)-specific cytotoxic T lymphocytes in HLA-G transgenic mice. Journal of General Virology, 2003, 84, 307-317.	1.3	35
39	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
40	Determinants of Flow-Mediated Outward Remodeling in Female Rodents. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1281-1289.	1.1	32
41	Combined estrogenic and anti-estrogenic properties of estetrol on breast cancer may provide a safe therapeutic window for the treatment of menopausal symptoms. Oncotarget, 2015, 6, 17621-17636.	0.8	32
42	Estrogen receptor-Î± signaling in post-natal mammary development and breast cancers. Cellular and Molecular Life Sciences, 2021, 78, 5681-5705.	2.4	31
43	Soluble HLAâ€G: Purification from Eukaryotic Transfected Cells and Detection by a Specific ELISA. American Journal of Reproductive Immunology, 1999, 42, 22-29.	1.2	29
44	Subtle sequence variation among MHC class I locus products greatly influences sensitivity to HCMV US2- and US11-mediated degradation. International Immunology, 2006, 18, 173-182.	1.8	29
45	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
46	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
47	Human immunodeficiency virus 1 downregulates cell surface expression of the non-classical major histocompatibility class I molecule HLA-G1. Journal of General Virology, 2004, 85, 1945-1954.	1.3	27
48	The HLA-G*0105N null allele induces cell surface expression of HLA-E molecule and promotes CD94/NKG2A-mediated recognition in JAR choriocarcinoma cell line. Immunogenetics, 2004, 56, 617-624.	1.2	26
49	Changes in Gene Expression and Estrogen Receptor Cistrome in Mouse Liver Upon Acute E2 Treatment. Molecular Endocrinology, 2016, 30, 709-732.	3.7	25
50	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
51	Estradiol administration controls eosinophilia through estrogen receptor-Î± activation during acute peritoneal inflammation. Journal of Leukocyte Biology, 2011, 90, 145-154.	1.5	24
52	The short cytoplasmic tail of HLA-G determines its resistance to HIV-1 Nef-mediated cell surface downregulation. Human Immunology, 2004, 65, 1389-1396.	1.2	23
53	Role for the membrane estrogen receptor alpha in the sexual differentiation of the brain. European Journal of Neuroscience, 2020, 52, 2627-2645.	1.2	23
54	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

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55	Primary cultured human thymic epithelial cells express both membrane-bound and soluble HLA-G translated products. Journal of Reproductive Immunology, 1999, 43, 225-234.	0.8	22
56	Towards optimization of estrogen receptor modulation in medicine. , 2018, 189, 123-129.		21
57	17Î²-estradiol promotes acute refeeding in hungry mice via membrane-initiated ERÎ± signaling. Molecular Metabolism, 2020, 42, 101053.	3.0	21
58	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
59	Estrogen-Stimulated Endothelial Repair Requires Osteopontin. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 2131-2136.	1.1	19
60	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
61	Down-Regulation of HLA-G1 Cell Surface Expression in Human Cytomegalovirus Infected Cells. American Journal of Reproductive Immunology, 2003, 50, 328-333.	1.2	16
62	Tamoxifen Accelerates Endothelial Healing by Targeting ERÎ± in Smooth Muscle Cells. Circulation Research, 2020, 127, 1473-1487.	2.0	16
63	The Impact of Estrogen Receptor in Arterial and Lymphatic Vascular Diseases. International Journal of Molecular Sciences, 2020, 21, 3244.	1.8	16
64	From in vivo gene targeting of oestrogen receptors to optimization of their modulation in menopause. British Journal of Pharmacology, 2012, 165, 57-66.	2.7	15
65	Testosterone Prevents Cutaneous Ischemia and Necrosis in Males Through Complementary Estrogenic and Androgenic Actions. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 909-919.	1.1	14
66	Structure-function relationship of estrogen receptors in cardiovascular pathophysiological models. Thrombosis Research, 2012, 130, S7-S11.	0.8	13
67	Estetrol Combined to Progestogen for Menopause or Contraception Indication Is Neutral on Breast Cancer. Cancers, 2021, 13, 2486.	1.7	13
68	Estrogen Receptor and Vascular Aging. Frontiers in Aging, 2021, 2, .	1.2	13
69	Lymph/angiogenesis contributes to sex differences in lung cancer through oestrogen receptor alpha signalling. Endocrine-Related Cancer, 2019, 26, 201-216.	1.6	13
70	Membrane estrogen receptor alpha (ERÎ±) participates in flow-mediated dilation in a ligand-independent manner. ELife, 2021, 10, .	2.8	13
71	Absence of imprinting of HLA class Ia genes leads to co-expression of biparental alleles on term human trophoblast cells upon IFN-Î³ induction. Immunogenetics, 1998, 47, 297-304.	1.2	12
72	Therapeutic Benefits and Adverse Effects ofÂCombined Proangiogenic Gene Therapy inÂMouse Critical Leg Ischemia. Annals of Vascular Surgery, 2017, 40, 252-261.	0.4	12

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73	Nuclear and Membrane Actions of Estrogen Receptor Alpha: Contribution to the Regulation of Energy and Glucose Homeostasis. Advances in Experimental Medicine and Biology, 2017, 1043, 401-426.	0.8	12
74	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
75	Differential down-modulation of HLA-G and HLA-A2 or -A3 cell surface expression following human cytomegalovirus infection. Journal of Reproductive Immunology, 2004, 62, 3-15.	0.8	10
76	In vivo dissection of the estrogen receptor alpha: Uncoupling of its physiological effects and medical perspectives. Annales D'Endocrinologie, 2013, 74, 82-89.	0.6	10
77	Dimorphic metabolic and endocrine disorders in mice lacking the constitutive androstane receptor. Scientific Reports, 2019, 9, 20169.	1.6	10
78	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
79	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
80	A historical view of estrogen effect on arterial endothelial healing: From animal models to medical implication. Atherosclerosis, 2021, 338, 30-38.	0.4	7
81	Membrane expression of the estrogen receptor ERÎ± is required for intercellular communications in the mammary epithelium. Development (Cambridge), 2020, 147, .	1.2	6
82	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
83	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
84	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
85	OUP accepted manuscript. Cardiovascular Research, 2017, 113, e38-e39.	1.8	2
86	Fine regulation of HLA class Ia gene expression in term human villous trophoblast cells. Placenta, 1998, 19, 135-142.	0.7	0
87	Pathologies artÃ©rielles. , 2019, , 157-168.		0