Francoise Lenfant

List of Publications by Year in Descending Order

86 papers	3,523 citations	32 h-index	58 g-index
90 ext. papers	4,208 ext. citations	6.7 avg, IF	4.83 L-index

#	Paper	IF	Citations
86	Segregation of nuclear and membrane-initiated actions of estrogen receptor using genetically modified animals and pharmacological tools. *Molecular and Cellular Endocrinology*, **2022**, 539, 111467	4.4	0
85	Early Inactivation of Membrane Estrogen Receptor Alpha (ER Recapitulates the Endothelial Dysfunction of Aged Mouse Resistance Arteries.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	1
84	A historical view of estrogen effect on arterial endothelial healing: From animal models to medical implication. *Atherosclerosis*, **2021**, 338, 30-38	3.1	1
83	Membrane estrogen receptor alpha (ER participates in flow-mediated dilation in a ligand-independent manner. *ELife*, **2021**, 10,	8.9	3
82	Estetrol Combined to Progestogen for Menopause or Contraception Indication Is Neutral on Breast Cancer. *Cancers*, **2021**, 13,	6.6	2
81	Estrogen receptor- signaling in post-natal mammary development and breast cancers. *Cellular and Molecular Life Sciences*, **2021**, 78, 5681-5705	10.3	3
80	Estetrol prevents Western diet-induced obesity and atheroma independently of hepatic estrogen receptor *American Journal of Physiology - Endocrinology and Metabolism*, **2021**, 320, E19-E29	6	4
79	Critical Role of Estrogens on Bone Homeostasis in Both Male and Female: From Physiology to Medical Implications. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	13
78	Estrogen Receptor and Vascular Aging. *Frontiers in Aging*, **2021**, 2,	2.5	2
77	The Impact of Estrogen Receptor in Arterial and Lymphatic Vascular Diseases. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	9
76	Mutation of Arginine 264 on ER (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	9.4	16
75	Nuclear Activation Function 2 Estrogen Receptor Attenuates Arterial and Renal Alterations Due to Aging and Hypertension in Female Mice. *Journal of the American Heart Association*, **2020**, 9, e013895	6	12
74	Estrogen Receptors and Endometriosis. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	28
73	Role for the membrane estrogen receptor alpha in the sexual differentiation of the brain. *European Journal of Neuroscience*, **2020**, 52, 2627-2645	3.5	16
72	Sex differences in metabolic regulation and diabetes susceptibility. *Diabetologia*, **2020**, 63, 453-461	10.3	148
71	Tamoxifen Accelerates Endothelial Healing by Targeting ER in Smooth Muscle Cells. *Circulation Research*, **2020**, 127, 1473-1487	15.7	6
70	The tissue-specific effects of different 17 estradiol doses reveal the key sensitizing role of AF1 domain in ER activity. *Molecular and Cellular Endocrinology*, **2020**, 505, 110741	4.4	7

69	17β-estradiol promotes acute refeeding in hungry mice via membrane-initiated ERα signaling. *Molecular Metabolism*, **2020**, 42, 101053	8.8	11
68	Membrane expression of the estrogen receptor ERα is required for intercellular communications in the mammary epithelium. *Development (Cambridge)*, **2020**, 147,	6.6	4
67	Selective Liver Estrogen Receptor β Modulation Prevents Steatosis, Diabetes, and Obesity Through the Anorectic Growth Differentiation Factor 15 Hepatokine in Mice. *Hepatology Communications*, **2019**, 3, 908-924	6	15
66	Lymph/angiogenesis contributes to sex differences in lung cancer through oestrogen receptor alpha signalling. *Endocrine-Related Cancer*, **2019**, 26, 201-216	5.7	6
65	Pathologies artérielles **2019**, 157-168		
64	Dimorphic metabolic and endocrine disorders in mice lacking the constitutive androstane receptor. *Scientific Reports*, **2019**, 9, 20169	4.9	6
63	Lymphatic Vasculature Requires Estrogen Receptor-α Signaling to Protect From Lymphedema. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2018**, 38, 1346-1357	9.4	25
62	Towards optimization of estrogen receptor modulation in medicine. *Pharmacology & Therapeutics*, **2018**, 189, 123-129	13.9	13
61	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	4.4	15
60	Estrogen receptor subcellular localization and cardiometabolism. *Molecular Metabolism*, **2018**, 15, 56-69	8.8	28
59	Predominant Role of Nuclear Versus Membrane Estrogen Receptor α in Arterial Protection: Implications for Estrogen Receptor β Modulation in Cardiovascular Prevention/Safety. *Journal of the American Heart Association*, **2018**, 7,	6	29
58	Therapeutic Benefits and Adverse Effects of Combined Proangiogenic Gene Therapy in Mouse Critical Leg Ischemia. *Annals of Vascular Surgery*, **2017**, 40, 252-261	1.7	8
57	Membrane and Nuclear Estrogen Receptor Alpha Actions: From Tissue Specificity to Medical Implications. *Physiological Reviews*, **2017**, 97, 1045-1087	47.9	183
56	Testosterone Prevents Cutaneous Ischemia and Necrosis in Males Through Complementary Estrogenic and Androgenic Actions. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2017**, 37, 909-919	9.4	9
55	Estetrol, a Fetal Selective Estrogen Receptor Modulator, Acts on the Vagina of Mice through Nuclear Estrogen Receptor α Activation. *American Journal of Pathology*, **2017**, 187, 2499-2507	5.8	16
54	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	3.6	8
53	Cardiovascular benefits and risks of testosterone replacement: another warning?. *Cardiovascular Research*, **2017**, 113, e38-e39	9.9	2
52	Role of ERα MISS in the Effect of Estradiol on Cancellous and Cortical Femoral Bone in Growing Female Mice. *Endocrinology*, **2016**, 157, 2533-44	4.8	17

51	The AF-1-deficient estrogen receptor ER46 isoform is frequently expressed in human breast tumors. *Breast Cancer Research*, **2016**, 18, 123	8.3	36
50	Changes in Gene Expression and Estrogen Receptor Cistrome in Mouse Liver Upon Acute E2 Treatment. *Molecular Endocrinology*, **2016**, 30, 709-32		19
49	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	1.3	3
48	Protective Hematopoietic Effect of Estrogens in a Mouse Model of Thrombosis: Respective Roles of Nuclear Versus Membrane Estrogen Receptor *Endocrinology*, **2015**, 156, 4293-301	4.8	7
47	The Activation Function-1 of Estrogen Receptor Alpha Prevents Arterial Neointima Development Through a Direct Effect on Smooth Muscle Cells. *Circulation Research*, **2015**, 117, 770-8	15.7	35
46	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, 17621-36	3.3	26
45	Mutation of the palmitoylation site of estrogen receptor 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	11.5	179
44	The uterine and vascular actions of estetrol delineate a distinctive profile of estrogen receptor modulation, uncoupling nuclear and membrane activation. *EMBO Molecular Medicine*, **2014**, 6, 1328-46	12	59
43	Determinants of flow-mediated outward remodeling in female rodents: respective roles of age, estrogens, and timing. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2014**, 34, 1281-9	9.4	29
42	In vivo dissection of the estrogen receptor alpha: uncoupling of its physiological effects and medical perspectives. *Annales DEndocrinologie*, **2013**, 74, 82-9	1.7	9
41	Lessons from the dissection of the activation functions (AF-1 and AF-2) of the estrogen receptor alpha in vivo. *Steroids*, **2013**, 78, 576-82	2.8	36
40	The AF-1 activation function of estrogen receptor is necessary and sufficient for uterine epithelial cell proliferation in vivo. *Endocrinology*, **2013**, 154, 2222-33	4.8	52
39	Chronic estradiol treatment reduces platelet responses and protects mice from thromboembolism through the hematopoietic estrogen receptor *Blood*, **2012**, 120, 1703-12	2.2	37
38	Structure-function relationship of estrogen receptors in cardiovascular pathophysiological models. *Thrombosis Research*, **2012**, 130 Suppl 1, S7-11	8.2	11
37	Stromal estrogen receptor- promotes tumor growth by normalizing an increased angiogenesis. *Cancer Research*, **2012**, 72, 3010-9	10.1	75
36	From in vivo gene targeting of oestrogen receptors to optimization of their modulation in menopause. *British Journal of Pharmacology*, **2012**, 165, 57-66	8.6	13
35	Timing of the vascular actions of estrogens in experimental and human studies: why protective early, and not when delayed?. *Maturitas*, **2011**, 68, 165-73	5	55
34	Estradiol administration controls eosinophilia through estrogen receptor-alpha activation during acute peritoneal inflammation. *Journal of Leukocyte Biology*, **2011**, 90, 145-54	6.5	19

33	Activation function 2 (AF2) of estrogen receptor-alpha 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, 13311-6	11.5	96
32	Endothelial estrogen receptor {alpha} plays an essential role in the coronary and myocardial protective effects of estradiol in ischemia/reperfusion. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2010**, 30, 2562-7	9.4	57
31	Estrogen receptors and endothelium. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2010**, 30, 1506-12	9.4	143
30	Endothelial estrogen receptor-alpha plays a crucial role in the atheroprotective action of 17beta-estradiol in low-density lipoprotein receptor-deficient mice. *Circulation*, **2009**, 120, 2567-76	16.7	76
29	Estrogen receptor alpha expression in both endothelium and hematopoietic cells is required for the accelerative effect of estradiol on reendothelialization. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2009**, 29, 1543-50	9.4	41
28	The transactivating function 1 of estrogen receptor alpha is dispensable for the vasculoprotective actions of 17beta-estradiol. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 2053-8	11.5	99
27	Prevention of skin flap necrosis by estradiol involves reperfusion of a protected vascular network. *Circulation Research*, **2009**, 104, 245-54, 12p following 254	15.7	45
26	Estradiol accelerates endothelial healing through the retrograde commitment of uninjured endothelium. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 294, H2822-30	5.2	30
25	Estrogen-stimulated endothelial repair requires osteopontin. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2008**, 28, 2131-6	9.4	18
24	FGF2 translationally induced by hypoxia is involved in negative and positive feedback loops with HIF-1alpha. *PLoS ONE*, **2008**, 3, e3078	3.7	53
23	Subtle sequence variation among MHC class I locus products greatly influences sensitivity to HCMV US2- and US11-mediated degradation. *International Immunology*, **2006**, 18, 173-82	4.9	27
22	Soluble HLA-G1 inhibits angiogenesis through an apoptotic pathway and by direct binding to CD160 receptor expressed by endothelial cells. *Blood*, **2006**, 108, 2608-15	2.2	153
21	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	4.9	24
20	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	4.2	10
19	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, 617-24	3.2	23
18	The short cytoplasmic tail of HLA-G determines its resistance to HIV-1 Nef-mediated cell surface downregulation. *Human Immunology*, **2004**, 65, 1389-96	2.3	20
17	Amino acid composition of alpha1/alpha2 domains and cytoplasmic tail of MHC class I molecules determine their susceptibility to human cytomegalovirus US11-mediated down-regulation. *European Journal of Immunology*, **2003**, 33, 1707-16	6.1	41
16	Down-regulation of HLA-G1 cell surface expression in human cytomegalovirus infected cells. *American Journal of Reproductive Immunology*, **2003**, 50, 328-33	3.8	13

15	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, 6757-65	5.3	76
14	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	4.9	32
13	Secretion of pro-apoptotic intron 4-retaining soluble HLA-G1 by human villous trophoblast. *European Journal of Immunology*, **2002**, 32, 3576-86	6.1	107
12	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, 16963-8	11.5	98
11	HLA-G unique promoter region: functional implications. *Immunogenetics*, **2001**, 53, 617-25	3.2	69
10	Maturation of antigen-presenting cells is compromised in HLA-G transgenic mice. *International Immunology*, **2001**, 13, 385-94	4.9	96
9	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, 212-24	2.3	47
8	Cutting edge: soluble HLA-G1 triggers CD95/CD95 ligand-mediated apoptosis in activated CD8+ cells by interacting with CD8. *Journal of Immunology*, **2000**, 164, 6100-4	5.3	383
7	Soluble HLA-G: purification from eukaryotic transfected cells and detection by a specific ELISA. *American Journal of Reproductive Immunology*, **1999**, 42, 22-9	3.8	22
6	Primary cultured human thymic epithelial cells express both membrane-bound and soluble HLA-G translated products. *Journal of Reproductive Immunology*, **1999**, 43, 225-34	4.2	20
5	Fine regulation of HLA class Ia gene expression in term human villous trophoblast cells. *Placenta*, **1998**, 19, 135-142	3.4	
4	Absence of imprinting of HLA class Ia genes leads to co-expression of biparental alleles on term human trophoblast cells upon IFN-gamma induction. *Immunogenetics*, **1998**, 47, 297-304	3.2	10
3	Interferon-gamma 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	6.1	41
2	Endothelial cells in chorionic fetal vessels of first trimester placenta express HLA-G. *European Journal of Immunology*, **1997**, 27, 3380-8	6.1	145
1	Site-directed mutagenesis on TEM-1 beta-lactamase: role of Glu166 in catalysis and substrate binding. *Protein Engineering, Design and Selection*, **1991**, 4, 805-10	1.9	37