

# Francoise Lenfant

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Cutting edge: soluble HLA-G1 triggers CD95/CD95 ligand-mediated apoptosis in activated CD8+ cells by interacting with CD8. <i>Journal of Immunology</i> , <b>2000</b> , 164, 6100-4	5.3	383
85	Membrane and Nuclear Estrogen Receptor Alpha Actions: From Tissue Specificity to Medical Implications. <i>Physiological Reviews</i> , <b>2017</b> , 97, 1045-1087	47.9	183
84	Mutation of the palmitoylation site of estrogen receptor $\alpha$ in vivo reveals tissue-specific roles for membrane versus nuclear actions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E283-90	11.5	179
83	Soluble HLA-G1 inhibits angiogenesis through an apoptotic pathway and by direct binding to CD160 receptor expressed by endothelial cells. <i>Blood</i> , <b>2006</b> , 108, 2608-15	2.2	153
82	Sex differences in metabolic regulation and diabetes susceptibility. <i>Diabetologia</i> , <b>2020</b> , 63, 453-461	10.3	148
81	Endothelial cells in chorionic fetal vessels of first trimester placenta express HLA-G. <i>European Journal of Immunology</i> , <b>1997</b> , 27, 3380-8	6.1	145
80	Estrogen receptors and endothelium. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2010</b> , 30, 1506-1514	7.4	143
79	Secretion of pro-apoptotic intron 4-retaining soluble HLA-G1 by human villous trophoblast. <i>European Journal of Immunology</i> , <b>2002</b> , 32, 3576-86	6.1	107
78	The transactivating function 1 of estrogen receptor alpha is dispensable for the vasculoprotective actions of 17beta-estradiol. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 2053-8	11.5	99
77	Engagement of CD160 receptor by HLA-C is a triggering mechanism used by circulating natural killer (NK) cells to mediate cytotoxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 16963-8	11.5	98
76	Activation function 2 (AF2) of estrogen receptor-alpha is required for the atheroprotective action of estradiol but not to accelerate endothelial healing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 13311-6	11.5	96
75	Maturation of antigen-presenting cells is compromised in HLA-G transgenic mice. <i>International Immunology</i> , <b>2001</b> , 13, 385-94	4.9	96
74	Endothelial estrogen receptor-alpha plays a crucial role in the atheroprotective action of 17beta-estradiol in low-density lipoprotein receptor-deficient mice. <i>Circulation</i> , <b>2009</b> , 120, 2567-76	16.7	76
73	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. <i>Journal of Immunology</i> , <b>2003</b> , 171, 6757-65	5.3	76
72	Stromal estrogen receptor- $\alpha$ promotes tumor growth by normalizing an increased angiogenesis. <i>Cancer Research</i> , <b>2012</b> , 72, 3010-9	10.1	75
71	HLA-G unique promoter region: functional implications. <i>Immunogenetics</i> , <b>2001</b> , 53, 617-25	3.2	69
70	The uterine and vascular actions of estetrol delineate a distinctive profile of estrogen receptor $\alpha$ modulation, uncoupling nuclear and membrane activation. <i>EMBO Molecular Medicine</i> , <b>2014</b> , 6, 1328-46	12	59

69	Endothelial estrogen receptor {alpha} plays an essential role in the coronary and myocardial protective effects of estradiol in ischemia/reperfusion. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2010</b> , 30, 2562-7	9.4	57
68	Timing of the vascular actions of estrogens in experimental and human studies: why protective early, and not when delayed?. <i>Maturitas</i> , <b>2011</b> , 68, 165-73	5	55
67	FGF2 translationally induced by hypoxia is involved in negative and positive feedback loops with HIF-1alpha. <i>PLoS ONE</i> , <b>2008</b> , 3, e3078	3.7	53
66	The AF-1 activation function of estrogen receptor is necessary and sufficient for uterine epithelial cell proliferation in vivo. <i>Endocrinology</i> , <b>2013</b> , 154, 2222-33	4.8	52
65	The full length HLA-G1 and no other alternative form of HLA-G is expressed at the cell surface of transfected cells. <i>Human Immunology</i> , <b>2000</b> , 61, 212-24	2.3	47
64	Prevention of skin flap necrosis by estradiol involves reperfusion of a protected vascular network. <i>Circulation Research</i> , <b>2009</b> , 104, 245-54, 12p following 254	15.7	45
63	Estrogen receptor alpha expression in both endothelium and hematopoietic cells is required for the accelerative effect of estradiol on reendothelialization. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2009</b> , 29, 1543-50	9.4	41
62	Interferon-gamma rescues HLA class Ia cell surface expression in term villous trophoblast cells by inducing synthesis of TAP proteins. <i>European Journal of Immunology</i> , <b>1997</b> , 27, 45-54	6.1	41
61	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. <i>European Journal of Immunology</i> , <b>2003</b> , 33, 1707-16	6.1	41
60	Chronic estradiol treatment reduces platelet responses and protects mice from thromboembolism through the hematopoietic estrogen receptor. <i>Blood</i> , <b>2012</b> , 120, 1703-12	2.2	37
59	Site-directed mutagenesis on TEM-1 beta-lactamase: role of Glu166 in catalysis and substrate binding. <i>Protein Engineering, Design and Selection</i> , <b>1991</b> , 4, 805-10	1.9	37
58	The AF-1-deficient estrogen receptor ER $\alpha$ 6 isoform is frequently expressed in human breast tumors. <i>Breast Cancer Research</i> , <b>2016</b> , 18, 123	8.3	36
57	Lessons from the dissection of the activation functions (AF-1 and AF-2) of the estrogen receptor alpha in vivo. <i>Steroids</i> , <b>2013</b> , 78, 576-82	2.8	36
56	The Activation Function-1 of Estrogen Receptor Alpha Prevents Arterial Neointima Development Through a Direct Effect on Smooth Muscle Cells. <i>Circulation Research</i> , <b>2015</b> , 117, 770-8	15.7	35
55	Induction of HLA-G-restricted human cytomegalovirus pp65 (UL83)-specific cytotoxic T lymphocytes in HLA-G transgenic mice. <i>Journal of General Virology</i> , <b>2003</b> , 84, 307-317	4.9	32
54	Estradiol accelerates endothelial healing through the retrograde commitment of uninjured endothelium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2008</b> , 294, H2822-30	5.2	30
53	Determinants of flow-mediated outward remodeling in female rodents: respective roles of age, estrogens, and timing. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2014</b> , 34, 1281-9	9.4	29
52	Predominant Role of Nuclear Versus Membrane Estrogen Receptor in Arterial Protection: Implications for Estrogen Receptor Modulation in Cardiovascular Prevention/Safety. <i>Journal of the American Heart Association</i> , <b>2018</b> , 7,	6	29

51	Estrogen Receptors and Endometriosis. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	28
50	Estrogen receptor subcellular localization and cardiometabolism. <i>Molecular Metabolism</i> , <b>2018</b> , 15, 56-69	8.8	28
49	Subtle sequence variation among MHC class I locus products greatly influences sensitivity to HCMV US2- and US11-mediated degradation. <i>International Immunology</i> , <b>2006</b> , 18, 173-82	4.9	27
48	Combined estrogenic and anti-estrogenic properties of estetrol on breast cancer may provide a safe therapeutic window for the treatment of menopausal symptoms. <i>Oncotarget</i> , <b>2015</b> , 6, 17621-36	3.3	26
47	Lymphatic Vasculature Requires Estrogen Receptor- $\beta$ Signaling to Protect From Lymphedema. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2018</b> , 38, 1346-1357	9.4	25
46	Human immunodeficiency virus 1 downregulates cell surface expression of the non-classical major histocompatibility class I molecule HLA-G1. <i>Journal of General Virology</i> , <b>2004</b> , 85, 1945-1954	4.9	24
45	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. <i>Immunogenetics</i> , <b>2004</b> , 56, 617-24	3.2	23
44	Soluble HLA-G: purification from eukaryotic transfected cells and detection by a specific ELISA. <i>American Journal of Reproductive Immunology</i> , <b>1999</b> , 42, 22-9	3.8	22
43	The short cytoplasmic tail of HLA-G determines its resistance to HIV-1 Nef-mediated cell surface downregulation. <i>Human Immunology</i> , <b>2004</b> , 65, 1389-96	2.3	20
42	Primary cultured human thymic epithelial cells express both membrane-bound and soluble HLA-G translated products. <i>Journal of Reproductive Immunology</i> , <b>1999</b> , 43, 225-34	4.2	20
41	Changes in Gene Expression and Estrogen Receptor Cistrome in Mouse Liver Upon Acute E2 Treatment. <i>Molecular Endocrinology</i> , <b>2016</b> , 30, 709-32		19
40	Estradiol administration controls eosinophilia through estrogen receptor- $\alpha$ activation during acute peritoneal inflammation. <i>Journal of Leukocyte Biology</i> , <b>2011</b> , 90, 145-54	6.5	19
39	Estrogen-stimulated endothelial repair requires osteopontin. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2008</b> , 28, 2131-6	9.4	18
38	Role of ER $\beta$ in the Effect of Estradiol on Cancellous and Cortical Femoral Bone in Growing Female Mice. <i>Endocrinology</i> , <b>2016</b> , 157, 2533-44	4.8	17
37	Mutation of Arginine 264 on ER $\alpha$ (Estrogen Receptor Alpha) Selectively Abrogates the Rapid Signaling of Estradiol in the Endothelium Without Altering Fertility. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2020</b> , 40, 2143-2158	9.4	16
36	Estetrol, a Fetal Selective Estrogen Receptor Modulator, Acts on the Vagina of Mice through Nuclear Estrogen Receptor $\beta$ Activation. <i>American Journal of Pathology</i> , <b>2017</b> , 187, 2499-2507	5.8	16
35	Role for the membrane estrogen receptor alpha in the sexual differentiation of the brain. <i>European Journal of Neuroscience</i> , <b>2020</b> , 52, 2627-2645	3.5	16
34	Selective Liver Estrogen Receptor $\beta$ Modulation Prevents Steatosis, Diabetes, and Obesity Through the Anorectic Growth Differentiation Factor 15 Hepatokine in Mice. <i>Hepatology Communications</i> , <b>2019</b> , 3, 908-924	6	15

33	Effect of estetrol, a selective nuclear estrogen receptor modulator, in mouse models of arterial and venous thrombosis. <i>Molecular and Cellular Endocrinology</i> , <b>2018</b> , 477, 132-139	4.4	15
32	Towards optimization of estrogen receptor modulation in medicine. <i>Pharmacology &amp; Therapeutics</i> , <b>2018</b> , 189, 123-129	13.9	13
31	From in vivo gene targeting of oestrogen receptors to optimization of their modulation in menopause. <i>British Journal of Pharmacology</i> , <b>2012</b> , 165, 57-66	8.6	13
30	Down-regulation of HLA-G1 cell surface expression in human cytomegalovirus infected cells. <i>American Journal of Reproductive Immunology</i> , <b>2003</b> , 50, 328-33	3.8	13
29	Critical Role of Estrogens on Bone Homeostasis in Both Male and Female: From Physiology to Medical Implications. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	13
28	Nuclear Activation Function 2 Estrogen Receptor $\alpha$ Attenuates Arterial and Renal Alterations Due to Aging and Hypertension in Female Mice. <i>Journal of the American Heart Association</i> , <b>2020</b> , 9, e013895	6	12
27	Structure-function relationship of estrogen receptors in cardiovascular pathophysiological models. <i>Thrombosis Research</i> , <b>2012</b> , 130 Suppl 1, S7-11	8.2	11
26	$17\beta$ Estradiol promotes acute refeeding in hungry mice via membrane-initiated ER $\alpha$ signaling. <i>Molecular Metabolism</i> , <b>2020</b> , 42, 101053	8.8	11
25	Absence of imprinting of HLA class Ia genes leads to co-expression of biparental alleles on term human trophoblast cells upon IFN-gamma induction. <i>Immunogenetics</i> , <b>1998</b> , 47, 297-304	3.2	10
24	Differential down-modulation of HLA-G and HLA-A2 or -A3 cell surface expression following human cytomegalovirus infection. <i>Journal of Reproductive Immunology</i> , <b>2004</b> , 62, 3-15	4.2	10
23	Testosterone Prevents Cutaneous Ischemia and Necrosis in Males Through Complementary Estrogenic and Androgenic Actions. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2017</b> , 37, 909-919	9.4	9
22	The Impact of Estrogen Receptor in Arterial and Lymphatic Vascular Diseases. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	9
21	In vivo dissection of the estrogen receptor alpha: uncoupling of its physiological effects and medical perspectives. <i>Annales D'Endocrinologie</i> , <b>2013</b> , 74, 82-9	1.7	9
20	Therapeutic Benefits and Adverse Effects of Combined Proangiogenic Gene Therapy in Mouse Critical Leg Ischemia. <i>Annals of Vascular Surgery</i> , <b>2017</b> , 40, 252-261	1.7	8
19	Nuclear and Membrane Actions of Estrogen Receptor Alpha: Contribution to the Regulation of Energy and Glucose Homeostasis. <i>Advances in Experimental Medicine and Biology</i> , <b>2017</b> , 1043, 401-426	3.6	8
18	Protective Hematopoietic Effect of Estrogens in a Mouse Model of Thrombosis: Respective Roles of Nuclear Versus Membrane Estrogen Receptor $\alpha$ <i>Endocrinology</i> , <b>2015</b> , 156, 4293-301	4.8	7
17	The tissue-specific effects of different $17\beta$ estradiol doses reveal the key sensitizing role of AF1 domain in ER $\alpha$ activity. <i>Molecular and Cellular Endocrinology</i> , <b>2020</b> , 505, 110741	4.4	7
16	Lymph/angiogenesis contributes to sex differences in lung cancer through oestrogen receptor alpha signalling. <i>Endocrine-Related Cancer</i> , <b>2019</b> , 26, 201-216	5.7	6

15	Tamoxifen Accelerates Endothelial Healing by Targeting ER $\alpha$ in Smooth Muscle Cells. <i>Circulation Research</i> , <b>2020</b> , 127, 1473-1487	15.7	6
14	Dimorphic metabolic and endocrine disorders in mice lacking the constitutive androstane receptor. <i>Scientific Reports</i> , <b>2019</b> , 9, 20169	4.9	6
13	Membrane expression of the estrogen receptor ER $\alpha$ is required for intercellular communications in the mammary epithelium. <i>Development (Cambridge)</i> , <b>2020</b> , 147,	6.6	4
12	Estetrol prevents Western diet-induced obesity and atheroma independently of hepatic estrogen receptor $\alpha$ <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2021</b> , 320, E19-E29	6	4
11	Membrane estrogen receptor alpha (ER $\alpha$ ) participates in flow-mediated dilation in a ligand-independent manner. <i>ELife</i> , <b>2021</b> , 10,	8.9	3
10	Estrogen receptor- $\beta$ signaling in post-natal mammary development and breast cancers. <i>Cellular and Molecular Life Sciences</i> , <b>2021</b> , 78, 5681-5705	10.3	3
9	Versatile multicharacterization platform involving tailored superhydrophobic SU-8 micropillars for the investigation of breast cancer estrogen receptor isoforms. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , <b>2016</b> , 34, 06K201	1.3	3
8	Cardiovascular benefits and risks of testosterone replacement: another warning?. <i>Cardiovascular Research</i> , <b>2017</b> , 113, e38-e39	9.9	2
7	Estetrol Combined to Progestogen for Menopause or Contraception Indication Is Neutral on Breast Cancer. <i>Cancers</i> , <b>2021</b> , 13,	6.6	2
6	Estrogen Receptor and Vascular Aging. <i>Frontiers in Aging</i> , <b>2021</b> , 2,	2.5	2
5	A historical view of estrogen effect on arterial endothelial healing: From animal models to medical implication. <i>Atherosclerosis</i> , <b>2021</b> , 338, 30-38	3.1	1
4	Early Inactivation of Membrane Estrogen Receptor Alpha (ER $\alpha$ ) Recapitulates the Endothelial Dysfunction of Aged Mouse Resistance Arteries.. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23,	6.3	1
3	Segregation of nuclear and membrane-initiated actions of estrogen receptor using genetically modified animals and pharmacological tools. <i>Molecular and Cellular Endocrinology</i> , <b>2022</b> , 539, 111467	4.4	0
2	Fine regulation of HLA class Ia gene expression in term human villous trophoblast cells. <i>Placenta</i> , <b>1998</b> , 19, 135-142	3.4	
1	Pathologies artérielles <b>2019</b> , 157-168		