

# Coralie Fontaine

## 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.

43  
papers

1,412  
citations

19  
h-index

37  
g-index

45  
ext. papers

1,786  
ext. citations

7.8  
avg, IF

3.99  
L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 43 | 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       |
| 42 | 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       |
| 41 | Estrogen receptors and endothelium. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2010</b> , 30, 1506-1514  | 12.4 | 143       |
| 40 | 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        |
| 39 | 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        |
| 38 | 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        |
| 37 | 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        |
| 36 | The AF-1 activation function of estrogen receptor $\alpha$ is necessary and sufficient for uterine epithelial cell proliferation in vivo. <i>Endocrinology</i> , <b>2013</b> , 154, 2222-33  | 4.8  | 52        |
| 35 | 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        |
| 34 | Growth and differentiation factor 15 is secreted by skeletal muscle during exercise and promotes lipolysis in humans. <i>JCI Insight</i> , <b>2020</b> , 5,  | 9.9  | 37        |
| 33 | 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        |
| 32 | 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        |
| 31 | 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        |
| 30 | Predominant Role of Nuclear Versus Membrane Estrogen Receptor $\alpha$ in Arterial Protection: Implications for Estrogen Receptor $\alpha$ Modulation in Cardiovascular Prevention/Safety. <i>Journal of the American Heart Association</i> , <b>2018</b> , 7,                 | 6    | 29        |
| 29 | Selective Activation of Estrogen Receptor $\alpha$ Activation Function-1 Is Sufficient to Prevent Obesity, Steatosis, and Insulin Resistance in Mouse. <i>American Journal of Pathology</i> , <b>2017</b> , 187, 1273-1287   | 5.8  | 28        |
| 28 | Estrogen Receptors and Endometriosis. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,   | 6.3  | 28        |
| 27 | Estrogen receptor subcellular localization and cardiometabolism. <i>Molecular Metabolism</i> , <b>2018</b> , 15, 56-69   | 8.8  | 28        |

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| 26 | Tamoxifen elicits atheroprotection through estrogen receptor $\beta$ AF-1 but does not accelerate reendothelialization. <i>American Journal of Pathology</i> , <b>2013</b> , 183, 304-12  | 5.8  | 20 |
| 25 | 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 |
| 24 | 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 |
| 23 | 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 |
| 22 | 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 |
| 21 | 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 |
| 20 | 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 |
| 19 | Towards optimization of estrogen receptor modulation in medicine. <i>Pharmacology &amp; Therapeutics</i> , <b>2018</b> , 189, 123-129   | 13.9 | 13 |
| 18 | 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 |
| 17 | Nuclear Activation Function 2 Estrogen Receptor $\beta$ 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 |
| 16 | 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  |
| 15 | Effect of chronic estradiol plus progesterone treatment on experimental arterial and venous thrombosis in mouse. <i>PLoS ONE</i> , <b>2017</b> , 12, e0177043   | 3.7  | 9  |
| 14 | Protective Hematopoietic Effect of Estrogens in a Mouse Model of Thrombosis: Respective Roles of Nuclear Versus Membrane Estrogen Receptor $\beta$ <i>Endocrinology</i> , <b>2015</b> , 156, 4293-301   | 4.8  | 7  |
| 13 | The tissue-specific effects of different 17 $\beta$ estradiol doses reveal the key sensitizing role of AF1 domain in ER $\beta$ activity. <i>Molecular and Cellular Endocrinology</i> , <b>2020</b> , 505, 110741   | 4.4  | 7  |
| 12 | Respective role of membrane and nuclear estrogen receptor (ER) $\beta$ in the mandible of growing mice: Implications for ER $\beta$ modulation. <i>Journal of Bone and Mineral Research</i> , <b>2018</b> , 33, 1520-1531                                       | 6.3  | 6  |
| 11 | Tamoxifen Accelerates Endothelial Healing by Targeting ER $\beta$ in Smooth Muscle Cells. <i>Circulation Research</i> , <b>2020</b> , 127, 1473-1487  | 15.7 | 6  |
| 10 | The antagonist properties of Bazedoxifene after acute treatment are shifted to stimulatory action after chronic exposure in the liver but not in the uterus. <i>Molecular and Cellular Endocrinology</i> , <b>2018</b> , 472, 87-96                             | 4.4  | 4  |
| 9  | Estetrol prevents Western diet-induced obesity and atheroma independently of hepatic estrogen receptor $\beta$ <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2021</b> , 320, E19-E29  | 6    | 4  |

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| 8 | 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 |
| 7 | Nuclear translocation of MRTFA in MCF7 breast cancer cells shifts ER $\alpha$ nuclear/genomic to extra-nuclear/non genomic actions. <i>Molecular and Cellular Endocrinology</i> , <b>2021</b> , 530, 111282   | 4.4 | 3 |
| 6 | 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 |
| 5 | Estrogen Receptor and Vascular Aging. <i>Frontiers in Aging</i> , <b>2021</b> , 2,  | 2.5 | 2 |
| 4 | Effects of conjugated estrogen and bazedoxifene on hemostasis and thrombosis in mice. <i>Endocrine Connections</i> , <b>2019</b> , 8, 788-795   | 3.5 | 1 |
| 3 | 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 |
| 2 | 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 |
| 1 | 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 |