

# Xavier Loyer

## 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.

49 papers	6,948 citations	30 h-index	52 g-index
52 ext. papers	9,306 ext. citations	9 avg, IF	5.01 L-index

#	Paper	IF	Citations
49	Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. <i>Journal of Extracellular Vesicles</i> , <b>2018</b> , 7, 1535750	16.4	3642
48	MicroRNA-24 regulates vascularity after myocardial infarction. <i>Circulation</i> , <b>2011</b> , 124, 720-30	16.7	305
47	Microvesicles as cell-cell messengers in cardiovascular diseases. <i>Circulation Research</i> , <b>2014</b> , 114, 345-53	15.7	283
46	Extracellular vesicles in coronary artery disease. <i>Nature Reviews Cardiology</i> , <b>2017</b> , 14, 259-272	14.8	276
45	Inhibition of microRNA-92a prevents endothelial dysfunction and atherosclerosis in mice. <i>Circulation Research</i> , <b>2014</b> , 114, 434-43	15.7	270
44	MiR-378 controls cardiac hypertrophy by combined repression of mitogen-activated protein kinase pathway factors. <i>Circulation</i> , <b>2013</b> , 127, 2097-106	16.7	174
43	MicroRNAs as non-invasive biomarkers of heart transplant rejection. <i>European Heart Journal</i> , <b>2014</b> , 35, 3194-202	9.5	135
42	Role of myocardial neuronal nitric oxide synthase-derived nitric oxide in beta-adrenergic hyporesponsiveness after myocardial infarction-induced heart failure in rat. <i>Circulation</i> , <b>2004</b> , 110, 2368-75	16.7	128
41	Cardiovascular progenitor-derived extracellular vesicles recapitulate the beneficial effects of their parent cells in the treatment of chronic heart failure. <i>Journal of Heart and Lung Transplantation</i> , <b>2016</b> , 35, 795-807	5.8	121
40	Shear stress regulates endothelial microparticle release. <i>Circulation Research</i> , <b>2013</b> , 112, 1323-33	15.7	119
39	Intra-Cardiac Release of Extracellular Vesicles Shapes Inflammation Following Myocardial Infarction. <i>Circulation Research</i> , <b>2018</b> , 123, 100-106	15.7	113
38	Liver microRNA-21 is overexpressed in non-alcoholic steatohepatitis and contributes to the disease in experimental models by inhibiting PPAR $\alpha$ expression. <i>Gut</i> , <b>2016</b> , 65, 1882-1894	19.2	104
37	Autophagy is required for endothelial cell alignment and atheroprotection under physiological blood flow. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E8675-E8684	11.5	98
36	A phenotypic screen to identify hypertrophy-modulating microRNAs in primary cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2012</b> , 52, 13-20	5.8	94
35	Natural regulatory T cells limit angiotensin II-induced aneurysm formation and rupture in mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2013</b> , 33, 2374-9	9.4	75
34	Bone-marrow-derived very small embryonic-like stem cells in patients with critical leg ischaemia: evidence of vasculogenic potential. <i>Thrombosis and Haemostasis</i> , <b>2015</b> , 113, 1084-94	7	67
33	Cardiomyocyte overexpression of neuronal nitric oxide synthase delays transition toward heart failure in response to pressure overload by preserving calcium cycling. <i>Circulation</i> , <b>2008</b> , 117, 3187-98	16.7	62

32	Angiotensin II mobilizes spleen monocytes to promote the development of abdominal aortic aneurysm in Apoe <sup>-/-</sup> mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2015</b> , 35, 378-88	9.4	60
31	Mechanosensitive PPAP2B Regulates Endothelial Responses to Atherorelevant Hemodynamic Forces. <i>Circulation Research</i> , <b>2015</b> , 117, e41-e53	15.7	58
30	RhoA activation and interaction with Caveolin-1 are critical for pressure-induced myogenic tone in rat mesenteric resistance arteries. <i>Cardiovascular Research</i> , <b>2007</b> , 73, 190-7	9.9	53
29	Genetic and Pharmacological Inhibition of TREM-1 Limits the Development of Experimental Atherosclerosis. <i>Journal of the American College of Cardiology</i> , <b>2016</b> , 68, 2776-2793	15.1	53
28	Altered contractile response due to increased beta3-adrenoceptor stimulation in diabetic cardiomyopathy: the role of nitric oxide synthase 1-derived nitric oxide. <i>Anesthesiology</i> , <b>2007</b> , 107, 452-60	4.3	49
27	Extracellular vesicles as new pharmacological targets to treat atherosclerosis. <i>European Journal of Pharmacology</i> , <b>2015</b> , 763, 90-103	5.3	47
26	Group X secreted phospholipase A2 limits the development of atherosclerosis in LDL receptor-null mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2013</b> , 33, 466-73	9.4	47
25	A defect in endothelial autophagy occurs in patients with non-alcoholic steatohepatitis and promotes inflammation and fibrosis. <i>Journal of Hepatology</i> , <b>2020</b> , 72, 528-538	13.4	47
24	Long Noncoding RNA-Enriched Vesicles Secreted by Hypoxic Cardiomyocytes Drive Cardiac Fibrosis. <i>Molecular Therapy - Nucleic Acids</i> , <b>2019</b> , 18, 363-374	10.7	44
23	The power of imaging to understand extracellular vesicle biology in vivo. <i>Nature Methods</i> , <b>2021</b> , 18, 1013-1026	21.0	38
22	Association of annexin A5 with Na <sup>+</sup> /Ca <sup>2+</sup> exchanger and caveolin-3 in non-failing and failing human heart. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2006</b> , 40, 47-55	5.8	36
21	Genetic and pharmacological inhibition of microRNA-92a maintains podocyte cell cycle quiescence and limits crescentic glomerulonephritis. <i>Nature Communications</i> , <b>2017</b> , 8, 1829	17.4	34
20	Involvement of beta 3-adrenoceptor in altered beta-adrenergic response in senescent heart: role of nitric oxide synthase 1-derived nitric oxide. <i>Anesthesiology</i> , <b>2008</b> , 109, 1045-53	4.3	31
19	MicroRNAs as therapeutic targets in atherosclerosis. <i>Expert Opinion on Therapeutic Targets</i> , <b>2015</b> , 19, 489-96	6.4	28
18	MicroRNA-21 coordinates human multipotent cardiovascular progenitors therapeutic potential. <i>Stem Cells</i> , <b>2014</b> , 32, 2908-22	5.8	28
17	17beta-estradiol regulates constitutive nitric oxide synthase expression differentially in the myocardium in response to pressure overload. <i>Endocrinology</i> , <b>2007</b> , 148, 4579-84	4.8	23
16	The Dendritic Cell Receptor DNGR-1 Promotes the Development of Atherosclerosis in Mice. <i>Circulation Research</i> , <b>2017</b> , 121, 234-243	15.7	22
15	MiR-223 is dispensable for platelet production and function in mice. <i>Thrombosis and Haemostasis</i> , <b>2013</b> , 110, 1207-14	7	22

14	Angiotensin II synergizes with BAFF to promote atheroprotective regulatory B cells. <i>Scientific Reports</i> , <b>2017</b> , 7, 4111	4.9	21
13	Effects of sex differences on constitutive nitric oxide synthase expression and activity in response to pressure overload in rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2007</b> , 293, H2650-8	5.2	21
12	Constitutive nitric oxide synthases in the heart from hypertrophy to failure. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2008</b> , 35, 483-8	3	19
11	Tissue kallikrein deficiency aggravates cardiac remodelling and decreases survival after myocardial infarction in mice. <i>European Journal of Heart Failure</i> , <b>2008</b> , 10, 343-51	12.3	19
10	Endothelial autophagic flux hampers atherosclerotic lesion development. <i>Autophagy</i> , <b>2018</b> , 14, 173-175	10.2	17
9	MicroRNA-21 Deficiency Alters the Survival of Ly-6C Monocytes in ApoE Mice and Reduces Early-Stage Atherosclerosis-Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2019</b> , 39, 170-177	9.4	15
8	Preservation of the positive lusitropic effect of beta-adrenoceptors stimulation in diabetic cardiomyopathy. <i>Anesthesia and Analgesia</i> , <b>2008</b> , 107, 1130-8	3.9	12
7	ACE inhibition prevents diastolic Ca <sup>2+</sup> overload and loss of myofilament Ca <sup>2+</sup> sensitivity after myocardial infarction. <i>Current Molecular Medicine</i> , <b>2012</b> , 12, 206-17	2.5	11
6	Differential micro-RNA expression in diabetic patients with abdominal aortic aneurysm. <i>Biochimie</i> , <b>2019</b> , 162, 1-7	4.6	9
5	Atorvastatin reduces $\beta$ Adrenergic dysfunction in rats with diabetic cardiomyopathy. <i>PLoS ONE</i> , <b>2017</b> , 12, e0180103	3.7	9
4	Pleiotropic cardiac functions controlled by ischemia-induced lncRNA H19. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2020</b> , 146, 43-59	5.8	3
3	Adipocyte-derived extracellular vesicles in health and diseases: Nano-packages with vast biological properties. <i>FASEB BioAdvances</i> , <b>2021</b> , 3, 407-419	2.8	2
2	Splenic Marginal Zone B Lymphocytes Regulate Cardiac Remodeling After Acute Myocardial Infarction in Mice.. <i>Journal of the American College of Cardiology</i> , <b>2022</b> , 79, 632-647	15.1	2
1	Neuronal NO synthase mediates phenylephrine induced cardiomyocyte hypertrophy through facilitation of NFAT-dependent transcriptional activity. <i>Biochemistry and Biophysics Reports</i> , <b>2019</b> , 18, 100620	2.2	1