Laurent Yvan-Charvet

List of Publications by Year in Descending Order

69 papers	7,574 citations	38 h-index	80 g-index
80 ext. papers	8,865 ext. citations	12.4 avg, IF	6.06 L-index

#	Paper	IF	Citations
69	Regulatory T´cell differentiation is controlled by αKG-induced alterations in mitochondrial metabolism and lipid homeostasis. *Cell Reports*, **2021**, 37, 109911	10.6	1
68	Non-canonical glutamine transamination sustains efferocytosis by coupling redox buffering to oxidative phosphorylation. *Nature Metabolism*, **2021**, 3, 1313-1326	14.6	3
67	Single-cell analysis of human skin identifies CD14+ type 3 dendritic cells co-producing IL1B and IL23A in psoriasis. *Journal of Experimental Medicine*, **2021**, 218,	16.6	16
66	Macrophage ontogeny and functional diversity in cardiometabolic diseases. *Seminars in Cell and Developmental Biology*, **2021**, 119, 119-129	7.5	1
65	Lysosomal Acid Lipase Drives Adipocyte Cholesterol Homeostasis and Modulates Lipid Storage in Obesity, Independent of Autophagy. *Diabetes*, **2021**, 70, 76-90	0.9	2
64	Metabolic Inflammation in Obesity-At the Crossroads between Fatty Acid and Cholesterol Metabolism. *Molecular Nutrition and Food Research*, **2021**, 65, e1900482	5.9	4
63	Arterial Delivery of VEGF-C Stabilizes Atherosclerotic Lesions. *Circulation Research*, **2021**, 128, 284-286	15.7	6
62	Mitochondria orchestrate macrophage effector functions in atherosclerosis. *Molecular Aspects of Medicine*, **2021**, 77, 100922	16.7	6
61	Heterogeneous NLRP3 inflammasome signature in circulating myeloid cells as a biomarker of COVID-19 severity. *Blood Advances*, **2021**, 5, 1523-1534	7.8	10
60	A subset of Kupffer cells regulates metabolism through the expression of CD36. *Immunity*, **2021**, 54, 2101-2116.e6	32.3	12
59	Brown adipose tissue monocytes support tissue expansion. *Nature Communications*, **2021**, 12, 5255	17.4	4
58	Impaired Kupffer Cell Self-Renewal Alters the Liver Response to Lipid Overload during Non-alcoholic Steatohepatitis. *Immunity*, **2020**, 53, 627-640.e5	32.3	55
57	ABCA1 Exerts Tumor-Suppressor Function in Myeloproliferative Neoplasms. *Cell Reports*, **2020**, 30, 3397-3410.e5	10.0	7
56	Interplay between Clonal Hematopoiesis of Indeterminate Potential and Metabolism. *Trends in Endocrinology and Metabolism*, **2020**, 31, 525-535	8.8	10
55	Metabolic Reprogramming of Macrophages in Atherosclerosis: Is It All about Cholesterol?. *Journal of Lipid and Atherosclerosis*, **2020**, 9, 231-242	3	8
54	Liver X receptors are required for thymic resilience and T cell output. *Journal of Experimental Medicine*, **2020**, 217,	16.6	10
53	Granulopoiesis and Neutrophil Homeostasis: A Metabolic, Daily Balancing Act. *Trends in Immunology*, **2019**, 40, 598-612	14.4	29

52	Immunometabolic function of cholesterol in cardiovascular disease and beyond. *Cardiovascular Research*, **2019**, 115, 1393-1407	9.9	30
51	Immunometabolism of Phagocytes and Relationships to Cardiac Repair. *Frontiers in Cardiovascular Medicine*, **2019**, 6, 42	5.4	14
50	Macrophage Origin, Metabolic Reprogramming and IL-1 Signaling: Promises and Pitfalls in Lung Cancer. *Cancers*, **2019**, 11,	6.6	7
49	Efferocytosis Fuels Requirements of Fatty Acid Oxidation and the Electron Transport Chain to Polarize Macrophages for Tissue Repair. *Cell Metabolism*, **2019**, 29, 443-456.e5	24.6	122
48	Cholesterol Mass Efflux Capacity, Incident Cardiovascular Disease, and Progression of Carotid Plaque. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2019**, 39, 89-96	9.4	64
47	Lysosomal Cholesterol Hydrolysis Couples Efferocytosis to Anti-Inflammatory Oxysterol Production. *Circulation Research*, **2018**, 122, 1369-1384	15.7	54
46	Poststatin era in atherosclerosis management: lessons from epidemiologic and genetic studies. *Current Opinion in Lipidology*, **2018**, 29, 246-258	4.4	5
45	Is defective cholesterol efflux an integral inflammatory component in myelopoiesis-driven cardiovascular diseases?. *European Heart Journal*, **2018**, 39, 2168-2171	9.5	4
44	Plasma metabolite profiles, cellular cholesterol efflux, and non-traditional cardiovascular risk in patients with CKD. *Journal of Molecular and Cellular Cardiology*, **2017**, 112, 114-122	5.8	22
43	Cholesterol Accumulation in Dendritic Cells Links the Inflammasome to Acquired Immunity. *Cell Metabolism*, **2017**, 25, 1294-1304.e6	24.6	101
42	Disruption of Glut1 in Hematopoietic Stem Cells Prevents Myelopoiesis and Enhanced Glucose Flux in Atheromatous Plaques of ApoE(-/-) Mice. *Circulation Research*, **2016**, 118, 1062-77	15.7	66
41	HIF-2α in Resting Macrophages Tempers Mitochondrial Reactive Oxygen Species To Selectively Repress MARCO-Dependent Phagocytosis. *Journal of Immunology*, **2016**, 197, 3639-3649	5.3	13
40	The modern interleukin-1 superfamily: Divergent roles in obesity. *Seminars in Immunology*, **2016**, 28, 441-449	10.7	19
39	Adipose modulation of ABCG1 uncovers an intimate link between sphingomyelin and triglyceride storage. *Diabetes*, **2015**, 64, 689-92	0.9	6
38	Maintenance of Macrophage Redox Status by ChREBP Limits Inflammation and Apoptosis and Protects against Advanced Atherosclerotic Lesion Formation. *Cell Reports*, **2015**, 13, 132-144	10.6	25
37	Cholesterol, inflammation and innate immunity. *Nature Reviews Immunology*, **2015**, 15, 104-16	36.5	717
36	Deficiency of ATP-binding cassette transporter B6 in megakaryocyte progenitors accelerates atherosclerosis in mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2014**, 34, 751-8	9.4	32
35	ATP-binding cassette transporters, atherosclerosis, and inflammation. *Circulation Research*, **2014**, 114, 157-70	15.7	170

34	Understanding macrophage diversity at the ontogenic and transcriptomic levels. *Immunological Reviews*, **2014**, 262, 85-95	11.3	30
33	Cholesterol efflux in megakaryocyte progenitors suppresses platelet production and thrombocytosis. *Nature Medicine*, **2013**, 19, 586-94	50.5	139
32	Deficiency of ATP-binding cassette transporters A1 and G1 in macrophages increases inflammation and accelerates atherosclerosis in mice. *Circulation Research*, **2013**, 112, 1456-65	15.7	196
31	Mild renal dysfunction and metabolites tied to low HDL cholesterol are associated with monocytosis and atherosclerosis. *Circulation*, **2013**, 127, 988-96	16.7	41
30	HDL and Glut1 inhibition reverse a hypermetabolic state in mouse models of myeloproliferative disorders. *Journal of Experimental Medicine*, **2013**, 210, 339-53	16.6	37
29	Cholesterol efflux: a novel regulator of myelopoiesis and atherogenesis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2012**, 32, 2547-52	9.4	49
28	Anti-atherogenic mechanisms of high density lipoprotein: effects on myeloid cells. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2012**, 1821, 513-21	5	58
27	Regulation of hematopoietic stem and progenitor cell mobilization by cholesterol efflux pathways. *Cell Stem Cell*, **2012**, 11, 195-206	18	185
26	Cholesterol efflux and atheroprotection: advancing the concept of reverse cholesterol transport. *Circulation*, **2012**, 125, 1905-19	16.7	614
25	Role of adipose tissue renin-angiotensin system in metabolic and inflammatory diseases associated with obesity. *Kidney International*, **2011**, 79, 162-8	9.9	146
24	Cdkn2a is an atherosclerosis modifier locus that regulates monocyte/macrophage proliferation. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2011**, 31, 2483-92	9.4	50
23	ApoE regulates hematopoietic stem cell proliferation, monocytosis, and monocyte accumulation in atherosclerotic lesions in mice. *Journal of Clinical Investigation*, **2011**, 121, 4138-49	15.9	351
22	Cholesterol efflux potential and antiinflammatory properties of high-density lipoprotein after treatment with niacin or anacetrapib. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2010**, 30, 1430-8	9.4	200
21	Role of HDL, ABCA1, and ABCG1 transporters in cholesterol efflux and immune responses. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2010**, 30, 139-43	9.4	437
20	ABCA1 and ABCG1 protect against oxidative stress-induced macrophage apoptosis during efferocytosis. *Circulation Research*, **2010**, 106, 1861-9	15.7	128
19	ATP-binding cassette transporters and HDL suppress hematopoietic stem cell proliferation. *Science*, **2010**, 328, 1689-93	33.3	508
18	ATP-binding cassette transporter G1 and high-density lipoprotein promote endothelial NO synthesis through a decrease in the interaction of caveolin-1 and endothelial NO synthase. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2010**, 30, 2219-25	9.4	80
17	Deficiency of angiotensin type 2 receptor rescues obesity but not hypertension induced by overexpression of angiotensinogen in adipose tissue. *Endocrinology*, **2009**, 150, 1421-8	4.8	62

16	HDL, ABC transporters, and cholesterol efflux: implications for the treatment of atherosclerosis. *Cell Metabolism*, **2008**, 7, 365-75	24.6	418
15	Increased inflammatory gene expression in ABC transporter-deficient macrophages: free cholesterol accumulation, increased signaling via toll-like receptors, and neutrophil infiltration of atherosclerotic lesions. *Circulation*, **2008**, 118, 1837-47	16.7	316
14	ATP-binding cassette transporters G1 and G4 mediate cholesterol and desmosterol efflux to HDL and regulate sterol accumulation in the brain. *FASEB Journal*, **2008**, 22, 1073-82	0.9	136
13	SR-BI inhibits ABCG1-stimulated net cholesterol efflux from cells to plasma HDL. *Journal of Lipid Research*, **2008**, 49, 107-14	6.3	41
12	ABCG1 and HDL protect against endothelial dysfunction in mice fed a high-cholesterol diet. *Journal of Clinical Investigation*, **2008**, 118, 3701-13	15.9	179
11	Combined deficiency of ABCA1 and ABCG1 promotes foam cell accumulation and accelerates atherosclerosis in mice. *Journal of Clinical Investigation*, **2007**, 117, 3900-8	15.9	375
10	In vivo evidence for a role of adipose tissue SR-BI in the nutritional and hormonal regulation of adiposity and cholesterol homeostasis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2007**, 27, 1340-5	9.4	48
9	High-density lipoprotein protects macrophages from oxidized low-density lipoprotein-induced apoptosis by promoting efflux of 7-ketocholesterol via ABCG1. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 15093-8	11.5	215
8	Pivotal advance: macrophages become resistant to cholesterol-induced death after phagocytosis of apoptotic cells. *Journal of Leukocyte Biology*, **2007**, 82, 1040-50	6.5	53
7	Inhibition of cholesteryl ester transfer protein by torcetrapib modestly increases macrophage cholesterol efflux to HDL. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2007**, 27, 1132-8	9.4	174
6	Prevention of adipose tissue depletion during food deprivation in angiotensin type 2 receptor-deficient mice. *Endocrinology*, **2006**, 147, 5078-86	4.8	19
5	Decreased atherosclerosis in low-density lipoprotein receptor knockout mice transplanted with Abcg1-/- bone marrow. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2006**, 26, 2308-15	9.4	148
4	Gender-related response of lipid metabolism to dietary fatty acids in the hamster. *British Journal of Nutrition*, **2006**, 95, 709-20	3.6	15
3	Effet anti-obésité des CLA : mythe ou réalité ? *Oleagineux Corps Gras Lipides*, **2005**, 12, 45-50		
2	Insulin and angiotensin II induce the translocation of scavenger receptor class B, type I from intracellular sites to the plasma membrane of adipocytes. *Journal of Biological Chemistry*, **2005**, 280, 33536-40	5.4	41
1	Deletion of the angiotensin type 2 receptor (AT2R) reduces adipose cell size and protects from diet-induced obesity and insulin resistance. *Diabetes*, **2005**, 54, 991-9	0.9	163