Stephane Laurent

List of Publications by Year in Descending Order

92 papers	31,835 citations	48 h-index	99 g-index
99 ext. papers	37,960 ext. citations	6.6 avg, IF	6.51 L-index

#	Paper	IF	Citations
92	Microcirculation and Macrocirculation in Hypertension: A Dangerous Cross-Link?. *Hypertension*, **2022**, HYPERTENSIONAHA12117962	8.5	3
91	Arterial stiffness and pulsatile hemodynamics in systemic hypertension **2022**, 445-455		
90	Early vascular aging and supernormal vascular aging: genetics, epigenetics, and the environment **2022**, 421-428		
89	Predictive Importance of Blood Pressure Characteristics With Increasing Age in Healthy Men and Women: The MORGAM Project. *Hypertension*, **2021**, 77, 1076-1085	8.5	2
88	Sleep Apnea is Associated With Accelerated Vascular Aging: Results From 2 European Community-Based Cohort Studies. *Journal of the American Heart Association*, **2021**, 10, e021318	6	4
87	SPARTE Study: Normalization of Arterial Stiffness and Cardiovascular Events in Patients With Hypertension at Medium to Very High Risk. *Hypertension*, **2021**, 78, 983-995	8.5	13
86	Type 2 Diabetes Mellitus Is Independently Associated With Decreased Neural Baroreflex Sensitivity: The Paris Prospective Study III. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2020**, 40, 1420-1428	9.4	8
85	Aortic stiffness is not only associated with structural but also functional parameters of retinal microcirculation. *Microvascular Research*, **2020**, 129, 103974	3.7	7
84	Mechanisms of Arterial Stiffening: From Mechanotransduction to Epigenetics. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2020**, 40, 1055-1062	9.4	27
83	Protocol of the SPARTE Study: A Strategy for Preventing Cardiovascular and Renal Events based on ARTErial Stiffness. *Artery Research*, **2020**, 26, 250	2.2	6
82	Early and Supernormal Vascular Aging: Clinical Characteristics and Association With Incident Cardiovascular Events. *Hypertension*, **2020**, 76, 1616-1624	8.5	29
81	Arterial Stiffness and Hypertension in the Elderly. *Frontiers in Cardiovascular Medicine*, **2020**, 7, 544302	5.4	20
80	Concept of Extremes in Vascular Aging. *Hypertension*, **2019**, 74, 218-228	8.5	68
79	Macrovasculature and Microvasculature at the Crossroads Between Type 2 Diabetes Mellitus and Hypertension. *Hypertension*, **2019**, 73, 1138-1149	8.5	51
78	Association of Estimated Pulse Wave Velocity With Survival: A Secondary Analysis of SPRINT. *JAMA Network Open*, **2019**, 2, e1912831	10.4	41
77	Association Between Occupational, Sport, and Leisure Related Physical Activity and Baroreflex Sensitivity: The Paris Prospective Study III. *Hypertension*, **2019**, 74, 1476-1483	8.5	5
76	Increased carotid stiffness and remodelling at early stages of chronic kidney disease. *Journal of Hypertension*, **2019**, 37, 1176-1182	1.9	16

75	Impact of simultaneous measurement of central blood pressure with the SphygmoCor Xcel during MRI acquisition to better estimate aortic distensibility. *Journal of Hypertension*, **2019**, 37, 1448-1454	1.9	5
74	Arterial Stiffness Assessment by Shear Wave Elastography and Ultrafast Pulse Wave Imaging: Comparison with Reference Techniques in Normotensives and Hypertensives. *Ultrasound in Medicine and Biology*, **2019**, 45, 758-772	3.5	22
73	Carotid Artery Stiffness and Incident Depressive Symptoms: The Paris Prospective Study III. *Biological Psychiatry*, **2019**, 85, 498-505	7.9	15
72	Visit-to-visit blood pressure variability: added VALUETas a risk marker in low- and high-risk patients. *European Heart Journal*, **2018**, 39, 2252-2254	9.5	6
71	Pulse wave velocity differs between ulcerative colitis and chronic kidney disease. *European Journal of Internal Medicine*, **2018**, 47, 36-42	3.9	18
70	2018 ESC/ESH Guidelines for the management of arterial hypertension. *European Heart Journal*, **2018**, 39, 3021-3104	9.5	3698
69	Radiofrequency-based wall tracking for noninvasive assessment of local carotid pulse pressure: comparison with applanation tonometry and association with organ damage. *Journal of Hypertension*, **2018**, 36, 2362-2368	1.9	7
68	Characteristics of healthy vascular ageing in pooled population-based cohort studies: the global Metabolic syndrome and Artery REsearch Consortium. *Journal of Hypertension*, **2018**, 36, 2340-2349	1.9	57
67	MASked-unconTrolled hypERtension management based on office BP or on ambulatory blood pressure measurement (MASTER) Study: a randomised controlled trial protocol. *BMJ Open*, **2018**, 8, e021038	2	20
66	2018 Practice Guidelines for the management of arterial hypertension of the European Society of Hypertension and the European Society of Cardiology: ESH/ESC Task Force for the Management of Arterial Hypertension. *Journal of Hypertension*, **2018**, 36, 2284-2309	1.9	372
65	Interaction Between Hypertension and Arterial Stiffness. *Hypertension*, **2018**, 72, 796-805	8.5	93
64	2018 ESC/ESH Guidelines for the management of arterial hypertension: The Task Force for the management of arterial hypertension of the European Society of Cardiology and the European Society of Hypertension: The Task Force for the management of arterial hypertension of the European Society of Cardiology and the European Society of Hypertension. *Journal of Hypertension*,	1.9	1262
63	Clinical evaluation of an optical fiber-based probe for the assessment of central arterial pulse waves. *Hypertension Research*, **2018**, 41, 904-912	4.7	7
62	Gut microbiome composition, a third player in the inflammation-arterial stiffness relationship. *European Heart Journal*, **2018**, 39, 2398-2400	9.5	7
61	Arterial (Aortic) Stiffness in Patients with Resistant Hypertension: from Assessment to Treatment. *Current Hypertension Reports*, **2017**, 19, 2	4.7	20
60	Validation of non-invasive central blood pressure devices: ARTERY Society task force consensus statement on protocol standardization. *European Heart Journal*, **2017**, 38, 2805-2812	9.5	126
59	Case of Asymptomatic Carotid Artery Stenosis in a Hypertensive Patient. *Hypertension*, **2017**, 69, 985-991	8.5	2
58	Vascular Smooth Muscle Cells and Arterial Stiffening: Relevance in Development, Aging, and Disease. *Physiological Reviews*, **2017**, 97, 1555-1617	47.9	272

57	Inflammation and Aortic Stiffness: An Individual Participant Data Meta-Analysis in Patients With Inflammatory Bowel Disease. *Journal of the American Heart Association*, **2017**, 6,	6	35
56	Antihypertensive drugs. *Pharmacological Research*, **2017**, 124, 116-125	10.2	104
55	Personalised Single-Pill Combination Therapy in Hypertensive Patients: An Update of a Practical Treatment Platform. *High Blood Pressure and Cardiovascular Prevention*, **2017**, 24, 463-472	2.9	12
54	Perceived stress, common carotid intima media thickness and occupational status: The Paris Prospective Study III. *International Journal of Cardiology*, **2016**, 221, 1025-30	3.2	10
53	Blood pressure lowering trials: wrapping up the topic?. *Lancet, The*, **2016**, 387, 923-924	40	2
52	Estimated carotid-femoral pulse wave velocity has similar predictive value as measured carotid-femoral pulse wave velocity. *Journal of Hypertension*, **2016**, 34, 1279-89	1.9	46
51	Elevated estimated arterial age is associated with metabolic syndrome and low-grade inflammation. *Journal of Hypertension*, **2016**, 34, 2410-2417	1.9	8
50	Acute hypertensive response in ischemic stroke is associated with increased aortic stiffness. *Atherosclerosis*, **2016**, 251, 1-5	3.1	20
49	Selective Heart Rate Reduction With Ivabradine Increases Central Blood Pressure in Stable Coronary Artery Disease. *Hypertension*, **2016**, 67, 1205-10	8.5	25
48	Ideal Cardiovascular Health and Subclinical Markers of Carotid Structure and Function: The Paris Prospective Study III. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2016**, 36, 2115-24	9.4	13
47	Serotonin and norepinephrine reuptake inhibitors antidepressant use is related to lower baroreflex sensitivity independently of the severity of depressive symptoms. A community-study of 9213 participants from the Paris Prospective Study III. *Atherosclerosis*, **2016**, 251, 55-62	3.1	3
46	When an Increase in Central Systolic Pressure Overrides the Benefits of Heart Rate Lowering. *Journal of the American College of Cardiology*, **2016**, 68, 754-62	15.1	45
45	The structural factor of hypertension: large and small artery alterations. *Circulation Research*, **2015**, 116, 1007-21	15.7	262
44	The role of vascular biomarkers for primary and secondary prevention. A position paper from the European Society of Cardiology Working Group on peripheral circulation: Endorsed by the Association for Research into Arterial Structure and Physiology (ARTERY) Society. *Atherosclerosis*, **2015**, 241, 507-32	3.1	420
43	Carotid stiffness is associated with incident stroke: a systematic review and individual participant data meta-analysis. *Journal of the American College of Cardiology*, **2015**, 66, 2116-2125	15.1	124
42	Randomized evaluation of a novel, fixed-dose combination of perindopril 3.5 mg/amlodipine 2.5 mg as a first-step treatment in hypertension. *Journal of Hypertension*, **2015**, 33, 653-61; discussion 662	1.9	12
41	Foot detection and distances by different methods: implications for pulse wave velocity values. *Journal of Hypertension*, **2015**, 33, 2550-1	1.9	1
40	Contribution of Rare and Common Genetic Variants to Plasma Lipid Levels and Carotid Stiffness and Geometry: A Substudy of the Paris Prospective Study 3. *Circulation: Cardiovascular Genetics*, **2015**, 8, 628-36		17

39	The Cross-Talk Between the Macro- and the Microcirculation **2015**, 105-116		8
38	Establishing reference values for central blood pressure and its amplification in a general healthy population and according to cardiovascular risk factors. *European Heart Journal*, **2014**, 35, 3122-33	9.5	188
37	Aortic pulse wave velocity improves cardiovascular event prediction: an individual participant meta-analysis of prospective observational data from 17,635 subjects. *Journal of the American College of Cardiology*, **2014**, 63, 636-646	15.1	1076
36	Increased arterial stiffness in inflammatory bowel diseases is dependent upon inflammation and reduced by immunomodulatory drugs. *Atherosclerosis*, **2014**, 234, 346-51	3.1	51
35	Is hypertension associated with an accelerated aging of the brain?. *Hypertension*, **2014**, 63, 894-903	8.5	86
34	Dose-dependent arterial destiffening and inward remodeling after olmesartan in hypertensives with metabolic syndrome. *Hypertension*, **2014**, 64, 709-16	8.5	72
33	Daglutril for treatment of renal damage in hypertensive patients with type 2 diabetes: disappointment or hope?. *Lancet Diabetes and Endocrinology,the*, **2013**, 1, 2-3	18.1	1
32	2013 ESH/ESC guidelines for the management of arterial hypertension: the Task Force for the Management of Arterial Hypertension of the European Society of Hypertension (ESH) and of the European Society of Cardiology (ESC). *European Heart Journal*, **2013**, 34, 2159-219	9.5	3400
31	Reference intervals for common carotid intima-media thickness measured with echotracking: relation with risk factors. *European Heart Journal*, **2013**, 34, 2368-80	9.5	178
30	Large-vessel correlates of cerebral small-vessel disease. *Neurology*, **2013**, 80, 662-9	6.5	93
29	Early vascular ageing in translation: from laboratory investigations to clinical applications in cardiovascular prevention. *Journal of Hypertension*, **2013**, 31, 1517-26	1.9	140
28	2013 ESH/ESC Guidelines for the management of arterial hypertension: the Task Force for the management of arterial hypertension of the European Society of Hypertension (ESH) and of the European Society of Cardiology (ESC). *Journal of Hypertension*, **2013**, 31, 1281-357	1.9	3363
27	Arterial stiffness to predict hypertensive response to antiangiogenic drugs.. *Journal of Clinical Oncology*, **2013**, 31, e13589-e13589	2.2	
26	New drugs, procedures, and devices for hypertension. *Lancet, The*, **2012**, 380, 591-600	40	115
25	Aortic stiffness predicts functional outcome in patients after ischemic stroke. *Stroke*, **2012**, 43, 543-4	6.7	57
24	Pulse wave velocity is associated with early clinical outcome after ischemic stroke. *Atherosclerosis*, **2012**, 225, 348-52	3.1	39
23	Aortic stiffness as a tissue biomarker for predicting future cardiovascular events in asymptomatic hypertensive subjects. *Annals of Medicine*, **2012**, 44 Suppl 1, S93-7	1.5	68
22	Large artery stiffening and remodeling are independently associated with all-cause mortality and cardiovascular events in chronic kidney disease. *Hypertension*, **2012**, 60, 1451-7	8.5	139

21	Arterial stiffness as surrogate end point: needed clinical trials. *Hypertension*, **2012**, 60, 518-22	8.5	77
20	Defining vascular aging and cardiovascular risk. *Journal of Hypertension*, **2012**, 30 Suppl, S3-8	1.9	73
19	Arterial stiffness is increased in patients with inflammatory bowel disease. *Journal of Hypertension*, **2012**, 30, 1775-81	1.9	71
18	Expert consensus document on the measurement of aortic stiffness in daily practice using carotid-femoral pulse wave velocity. *Journal of Hypertension*, **2012**, 30, 445-8	1.9	1089
17	Pharmacological modulation of arterial stiffness. *Drugs*, **2011**, 71, 1689-701	12.1	99
16	Vascular contributions to cognitive impairment and dementia: a statement for healthcare professionals from the american heart association/american stroke association. *Stroke*, **2011**, 42, 2672-713	6.7	2301
15	Aortic stiffness is reduced beyond blood pressure lowering by short-term and long-term antihypertensive treatment: a meta-analysis of individual data in 294 patients. *Journal of Hypertension*, **2011**, 29, 1034-42	1.9	174
14	Arterial remodeling associates with CKD progression. *Journal of the American Society of Nephrology: JASN*, **2011**, 22, 967-74	12.7	115
13	Amlodipine-valsartan combination decreases central systolic blood pressure more effectively than the amlodipine-atenolol combination: the EXPLOR study. *Hypertension*, **2010**, 55, 1314-22	8.5	168
12	Long-term reduction in aortic stiffness: a 5.3-year follow-up in routine clinical practice. *Journal of Hypertension*, **2010**, 28, 2336-41	1.9	72
11	Assessment of carotid stiffness and intima-media thickness from ultrasound data: comparison between two methods. *Journal of Ultrasound in Medicine*, **2010**, 29, 1169-75	2.9	61
10	Vascular aging: A tale of EVA and ADAM in cardiovascular risk assessment and prevention. *Hypertension*, **2009**, 54, 3-10	8.5	231
9	Large and small artery cross-talk and recent morbidity-mortality trials in hypertension. *Hypertension* , **2009**, 54, 388-92	8.5	149
8	Distance measurements for the assessment of carotid to femoral pulse wave velocity. *Journal of Hypertension*, **2009**, 27, 2377-85	1.9	51
7	2007 Guidelines for the Management of Arterial Hypertension: The Task Force for the Management of Arterial Hypertension of the European Society of Hypertension (ESH) and of the European Society of Cardiology (ESC). *Journal of Hypertension*, **2007**, 25, 1105-87	1.9	3825
6	Endothelial function and chronic exposure to air pollution in normal male subjects. *Hypertension*, **2007**, 50, 970-6	8.5	69
5	Arterial stiffness: a new surrogate end point for cardiovascular disease?. *Journal of Nephrology*, **2007**, 20 Suppl 12, S45-50	4.8	60
4	Brachial pressure-independent reduction in carotid stiffness after long-term angiotensin-converting enzyme inhibition in diabetic hypertensives. *Hypertension*, **2006**, 48, 80-6	8.5	138

3	Expert consensus document on arterial stiffness: methodological issues and clinical applications. *European Heart Journal*, **2006**, 27, 2588-605	9.5	4225
2	Aortic stiffness is an independent predictor of fatal stroke in essential hypertension. *Stroke*, **2003**, 34, 1203-6	6.7	815
1	Aortic stiffness is an independent predictor of primary coronary events in hypertensive patients: a longitudinal study. *Hypertension*, **2002**, 39, 10-5	8.5	1410