Alain Simon

List of Publications by Year
in descending order

111 papers	5,722 citations	81900 39 h-index	79698 73 g-index
113 all docs	113 docs citations	113 times ranked	6687 citing authors

#	Article	IF	Citations
1	Intimaâ€“media thickness: a new tool for diagnosis and treatment of cardiovascular risk. Journal of Hypertension, 2002, 20, 159-169.	0.5	499
2	Endothelial microparticles in diseases. Cell and Tissue Research, 2009, 335, 143-151.	2.9	373
3	Microparticles, Vascular Function, and Atherothrombosis. Circulation Research, 2011, 109, 593-606.	4.5	331
4	Arterial Wall Mechanics in Conscious Dogs. Circulation Research, 1995, 76, 468-478.	4.5	237
5	The Value of Carotid Intima-Media Thickness for Predicting Cardiovascular Risk. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 182-185.	2.4	236
6	Differential Effects of Nifedipine and Co-Amilozide on the Progression of Early Carotid Wall Changes. Circulation, 2001, 103, 2949-2954.	1.6	179
7	Carotid intima-media thickness and coronary atherosclerosis: weak or strong relations?. European Heart Journal, 2007, 28, 398-406.	2.2	175
8	Circulating Leukocyte-Derived Microparticles Predict Subclinical Atherosclerosis Burden in Asymptomatic Subjects. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 2775-2780.	2.4	173
9	Effects of Hypertension on Viscoelasticity of Carotid and Femoral Arteries in Humans. Hypertension, 1995, 26, 48-54.	2.7	163
10	Polymorphisms of the Human Matrix Gla Protein (MGP) Gene, Vascular Calcification, and Myocardial Infarction. Arteriosclerosis, Thrombosis, and Vascular Biology, 2000, 20, 2386-2393.	2.4	142
11	Experimental and clinical validation of arterial diameter waveform and intimal media thickness obtained from B-mode ultrasound image processing. Ultrasound in Medicine and Biology, 1999, 25, 1353-1363.	1.5	140
12	Smoking Induces Long-Lasting Effects through a Monoamine-Oxidase Epigenetic Regulation. PLoS ONE, 2009, 4, e7959.	2.5	115
13	Sex and Topographic Differences in Associations Between Large-Artery Wall Thickness and Coronary Risk Profile in a French Working Cohort. Arteriosclerosis, Thrombosis, and Vascular Biology, 1998, 18, 584-590.	2.4	113
14	Fibrinogen and Silent Atherosclerosis in Subjects With Cardiovascular Risk Factors. Arteriosclerosis, Thrombosis, and Vascular Biology, 1995, 15, 1263-1268.	2.4	112
15	Comparative performance of subclinical atherosclerosis tests in predicting coronary heart disease in asymptomatic individuals. European Heart Journal, 2007, 28, 2967-2971.	2.2	105
16	Gender differences in wall shearâ€“mediated brachial artery vasoconstriction and vasodilation. Journal of the American College of Cardiology, 2001, 38, 1668-1674.	2.8	97
17	Decreased number of circulating CD34+KDR+ cells in asymptomatic subjects with preclinical atherosclerosis. Atherosclerosis, 2007, 191, 115-120.	0.8	78
18	Platelet Cytosolic Ca ²⁺ and Membrane Dynamics in Patients With Primary Hypercholesterolemia. Arteriosclerosis, Thrombosis, and Vascular Biology, 1995, 15, 759-764.	2.4	77

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19	Coronary heart disease in HIV-infected patients in the highly active antiretroviral treatment era. Aids, 2003, 17, S70-S76.	2.2	76
20	Performance of Subclinical Arterial Disease Detection as a Screening Test for Coronary Heart Disease. Hypertension, 2006, 48, 392-396.	2.7	76
21	Comparative effects of diabetes mellitus and hypertension on physical properties of human large arteries. Journal of the American College of Cardiology, 1992, 20, 1562-1568.	2.8	73
22	Wall thickening of carotid and femoral arteries in male subjects with isolated hypercholesterolemia. Atherosclerosis, 1995, 113, 141-151.	0.8	72
23	Carotid Wall Viscosity Increase Is Related to Intima-Media Thickening in Hypertensive Patients. Hypertension, 1998, 31, 534-539.	2.7	61
24	Carotid Intima-Media Thickness in Heavily Pretreated HIV-Infected Patients. Journal of Acquired Immune Deficiency Syndromes (1999), 2003, 32, 490-493.	2.1	60
25	Carotid artery and left ventricular structural relationship in asymptomatic men at risk for cardiovascular disease. Atherosclerosis, 1996, 127, 103-112.	0.8	56
26	Aortic Stiffening Does Not Predict Coronary and Extracoronary Atherosclerosis in Asymptomatic Men at Risk for Cardiovascular Disease. American Journal of Hypertension, 1998, 11, 293-301.	2.0	56
27	Alcohol Consumption and Carotid Artery Structure in Older French Adults. Stroke, 2004, 35, 2770-2775.	2.0	53
28	Analysis of the relationship between triglyceridemia and HDL-phospholipid concentrations: consequences on the efflux capacity of serum in the Fu5AH system. Atherosclerosis, 2001, 157, 315-323.	0.8	50
29	Influence of Hypertension on Early Carotid Artery Remodeling. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 1460-1464.	2.4	50
30	Comparative associations of adiposity measures with cardiometabolic risk burden in asymptomatic subjects. Atherosclerosis, 2008, 201, 413-417.	0.8	50
31	Platelet cytosolic proton and free calcium concentrations in essential hypertension. Journal of Hypertension, 1989, 7, 485-491.	0.5	49
32	Endothelium-dependent arterial wall tone elasticity modulated by blood viscosity. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 282, H389-H394.	3.2	49
33	Aging Impact on Thoracic Aorta 3D Morphometry in Intermediate-Risk Subjects: Looking Beyond Coronary Arteries with Non-Contrast Cardiac CT. Annals of Biomedical Engineering, 2012, 40, 1028-1038.	2.5	47
34	Decreased regional blood flow in patients with acromegaly. Clinical Endocrinology, 1998, 49, 725-731.	2.4	45
35	Preclinical changes of extracoronary arterial structures as indicators of coronary atherosclerosis in men. Journal of Hypertension, 1998, 16, 157-163.	0.5	45
36	Enhanced efflux of cholesterol from ABCA1-expressing macrophages to serum from type IV hypertriglyceridemic subjects. Atherosclerosis, 2003, 171, 287-293.	0.8	44

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37	Differences between markers of atherogenic lipoproteins in predicting high cardiovascular risk and subclinical atherosclerosis in asymptomatic men. Atherosclerosis, 2005, 179, 339-344.	0.8	44
38	A new DNA polymorphism in the 5â€² untranslated region of the human SREBP-1a is related to development of atherosclerosis in high cardiovascular risk population. Atherosclerosis, 2001, 154, 589-597.	0.8	40
39	Relation of risk factors for cardiovascular disease to early atherosclerosis detected by ultrasonography in middle-aged normotensive hypercholesterolemic men. Atherosclerosis, 1990, 85, 151-159.	0.8	39
40	Coronary Risk Estimation and Treatment of Hypercholesterolemia. Circulation, 1997, 96, 2449-2452.	1.6	39
41	May subclinical arterial disease help to better detect and treat high-risk asymptomatic individuals?. Journal of Hypertension, 2005, 23, 1939-1945.	0.5	38
42	Gender difference in the influence of smoking on arterial wall thickness. Atherosclerosis, 2000, 153, 139-145.	0.8	37
43	Identification of Arterial Wall Dynamics in Conscious Dogs. Experimental Physiology, 2001, 86, 519-528.	2.0	37
44	Characterization of polymorphic structure of SREBP-2 gene: role in atherosclerosis. Atherosclerosis, 2003, 168, 381-387.	0.8	37
45	Calcifications of the Thoracic Aorta on Extended Non-Contrast-Enhanced Cardiac CT. PLoS ONE, 2014, 9, e109584.	2.5	37
46	Use of Arterial Compliance for Evaluation of Hypertension. American Journal of Hypertension, 1991, 4, 97-105.	2.0	36
47	High-density lipoprotein subfractions as markers of early atherosclerosis. American Journal of Cardiology, 1995, 75, 127-131.	1.6	35
48	Erythrocyte antioxidant status in asymptomatic hypercholesterolemic men. Atherosclerosis, 1998, 138, 375-381.	0.8	34
49	Circulating microparticles may influence early carotid artery remodeling. Journal of Hypertension, 2010, 28, 789-796.	0.5	33
50	Evidence of Carotid Artery Wall Hypertrophy in Homozygous Homocystinuria. Circulation, 1998, 98, 2276-2281.	1.6	31
51	Fibrinogen and Its Relations to Subclinical Extracoronary and Coronary Atherosclerosis in Hypercholesterolemic Men. Arteriosclerosis, Thrombosis, and Vascular Biology, 1997, 17, 45-50.	2.4	31
52	New monitoring software for larger clinical application of brachial artery flow-mediated vasodilatation measurements. Journal of Hypertension, 2007, 25, 133-140.	0.5	28
53	Biochemical and functional alterations associated with hypercholesterolemia in platelets from hypertensive patients. Atherosclerosis, 1992, 94, 201-211.	0.8	27
54	Charge Heterogeneity of LDL in Asymptomatic Hypercholesterolemic Men Is Related to Lipid Parameters and Variations in the ApoB and CIII Genes. Arteriosclerosis, Thrombosis, and Vascular Biology, 1998, 18, 1780-1789.	2.4	26

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55	Enhanced removal of cholesterol from macrophage foam cells to serum from type IV hypertriglyceridemic subjects. Atherosclerosis, 2008, 198, 49-56.	0.8	26
56	Active and Passive Effects of Antihypertensive Drugs on Large Artery Diameter and Elasticity in Human Essential Hypertension. Journal of Cardiovascular Pharmacology, 1992, 19, 78-85.	1.9	25
57	Atherosclerosis in ANCA-Associated Vasculitides. Annals of the New York Academy of Sciences, 2007, 1107, 11-21.	3.8	25
58	Factors Associated with Major Cardiovascular Events in Patients with Systemic Necrotizing Vasculitides: Results of a Longterm Followup Study. Journal of Rheumatology, 2014, 41, 723-729.	2.0	25
59	Identifying the Principal Modes of Variation in Human Thoracic Aorta Morphology. Journal of Thoracic Imaging, 2014, 29, 224-232.	1.5	25
60	Age-related changes of thoracic aorta geometry used to predict the risk for acute type B dissection. International Journal of Cardiology, 2017, 228, 654-660.	1.7	25
61	Cholesterol lowering therapy inhibits the low-flow mediated vasoconstriction of the brachial artery in hypercholesterolaemic subjects. British Journal of Clinical Pharmacology, 1996, 42, 187-193.	2.4	23
62	Determinants of Progression of Coronary Artery Calcifications in Asymptomatic Men at High Cardiovascular Risk. Angiology, 2002, 53, 677-683.	1.8	22
63	Plasma and erythrocyte vitamin E content in asymptomatic hypercholesterolemic subjects. Clinical Chemistry, 1997, 43, 285-289.	3.2	21
64	Erythrocyte, but not plasma, vitamin E concentration is associated with carotid intimaâ€“media thickening in asymptomatic men at risk for cardiovascular disease. Atherosclerosis, 2001, 159, 193-200.	0.8	21
65	Impact of shear stimulus, risk factor burden and early atherosclerosis on the time-course of brachial artery flow-mediated vasodilation. Journal of Hypertension, 2008, 26, 508-515.	0.5	21
66	Effects of Enhanced External Counterpulsation on Carotid Circulation in Patients with Coronary Artery Disease. Cardiology, 2007, 108, 104-110.	1.4	20
67	Early thoracic aorta enlargement in asymptomatic individuals at risk for cardiovascular disease: determinant factors and clinical implication. Journal of Hypertension, 2010, 28, 2134-2138.	0.5	20
68	The physiological impact of the nonlinearity of arterial elasticity in the ambulatory arterial stiffness index. Physiological Measurement, 2010, 31, 1037-1046.	2.1	20
69	Effect of hypertension on viscoelasticity of large arteries in humans. Current Hypertension Reports, 2001, 3, 74-78.	3.5	19
70	Effect of beta adrenoceptors and thyroid hormones on velocity and acceleration of peripheral arterial flow in hyperthyroidism. American Journal of Cardiology, 1990, 65, 494-500.	1.6	18
71	Detection of Preclinical Atherosclerosis May Optimize the Management of Hypertension. American Journal of Hypertension, 1997, 10, 813-824.	2.0	18
72	The role of antihypertensive drugs in counteracting adverse influence on large arteries. American Heart Journal, 1987, 114, 992-997.	2.7	16

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73	Relationship of Circulating Biomarkers of Inflammation and Hemostasis with Preclinical Atherosclerotic Burden in Nonsmoking Hypercholesterolemic Men. American Journal of Hypertension, 2006, 19, 1025-1031.	2.0	16
74	New Assessment of Endothelium-Dependent Flow-Mediated Vasodilation to Characterize Endothelium Dysfunction. American Journal of Therapeutics, 2008, 15, 340-344.	0.9	16
75	Impact of coronary artery calcium on cardiovascular risk categorization and lipid-lowering drug eligibility in asymptomatic hypercholesterolemic men. International Journal of Cardiology, 2011, 151, 200-204.	1.7	16
76	Haemodynamic Basis of Early Modifications of the Large Arteries in Borderline Hypertension. Journal of Hypertension, 1987, 5, 179-184.	0.5	15
77	Cyclic GMP Release by Acute Enhanced External Counterpulsation. American Journal of Hypertension, 2006, 19, 867-872.	2.0	15
78	Carotid wall inertial index increase is related to intima-media thickening in hypertensive patients. Journal of Hypertension, 1999, 17, 1825-1829.	0.5	13
79	Difference in Carotid Artery Wall Structure Between Swedish and French Men at Low and High Coronary Risk. Stroke, 2001, 32, 1775-1779.	2.0	13
80	Clinical use of nifedipine GITS in the treatment of hypertension: an overview. Expert Opinion on Pharmacotherapy, 2003, 4, 95-106.	1.8	13
81	Plasma cGMP and Large Artery Remodeling in Asymptomatic Men. Hypertension, 2004, 44, 919-923.	2.7	13
82	The relationship between carotid intima-media thickness and coronary atherosclerosis revisited. European Heart Journal, 2007, 28, 2049-2050.	2.2	13
83	Correction of carotid intimaâ€media thickness for adaptive dependence on tensile stress: Implication for cardiovascular risk assessment. Journal of Clinical Ultrasound, 2009, 37, 270-275.	0.8	12
84	Study of vitamin E net mass transfer between Î±-tocopherolâ€“enriched HDL and erythrocytes: application to asymptomatic hypercholesterolemic men. Free Radical Biology and Medicine, 2000, 28, 815-823.	2.9	10
85	Feasibility and Reliability of Ankle/Arm Blood Pressure Index in Preventive Medicine. Angiology, 2000, 51, 463-471.	1.8	10
86	Large artery wall thickening and its determinants under antihypertensive treatment. Journal of Hypertension, 2004, 22, 137-143.	0.5	10
87	Current possibilities for detecting high risk of cardiovascular disease. International Journal of Cardiology, 2006, 110, 146-152.	1.7	10
88	Association of calcium density in the thoracic aorta with risk factors and clinical events. European Radiology, 2020, 30, 3960-3967.	4.5	10
89	Overview on atherosclerotic systolic hypertension. International Journal of Cardiology, 1987, 16, 1-18.	1.7	9
90	Heterogeneity of Response of Peripheral Arteries to Antihypertensive Drugs in Essential Hypertension. Drugs, 1988, 35, 34-39.	10.9	9

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91	Comparative long-term vasoactive effects of atenolol and carteolol on the properties of the small and large arteries of the upper extremities in human essential hypertension. Clinical Pharmacology and Therapeutics, 1989, 46, 686-692.	4.7	9
92	Differential Associations of Statin and Fibrate Treatment With Carotid Arterial Remodeling. American Journal of Hypertension, 2005, 18, 1476-1481.	2.0	9
93	Effects of aging on thoracic aorta size and shape: A non-contrast CT study. , 2012, 2012, 4986-9.		9
94	Could the identification of subclinical atherosclerosis offer an alternative to the mass drug treatment of hypercholesterolemia?. Atherosclerosis, 1994, 105, 245-249.	0.8	8
95	Association of thoracic aorta calcium and non cardiac vascular events in cardiac disease-free individuals. Atherosclerosis, 2016, 245, 22-27.	0.8	8
96	Intrinsic effect of antihypertensive treatment with isradipine and metoprolol on large artery geometric and elastic properties. Clinical Pharmacology and Therapeutics, 1993, 54, 76-83.	4.7	7
97	Placas de ateroma: descripciÃ³n cuantitativa de la ecogenicidad por capas. Revista Espanola De Cardiologia, 2009, 62, 984-991.	1.2	7
98	Association Between Thoracic Aorta Calcium and Thoracic Aorta Geometry in a Cohort of Asymptomatic Participants at Increased Cardiovascular Risk. Revista Espanola De Cardiologia (English) Tj ETQq0 0 0 rgBT /Overlock 10 T		7
99	Deformable Surface Model for the Evaluation of Abdominal Aortic Aneurysms Treated with an Endovascular Sealing System. Annals of Biomedical Engineering, 2016, 44, 1381-1391.	2.5	6
100	Unrelated responses of brachial artery hemodynamics and renin-angiotensin system to acute converting enzyme inhibition by enalaprilat in essential hypertension. American Journal of Cardiology, 1988, 61, 1056-1060.	1.6	5
101	Phase III and Phase IV Trials: Noninvasive Assessment of Efficacy Endpoints in Vessel Walls. American Journal of Cardiology, 1998, 81, 67F-68F.	1.6	5
102	Carotid artery intimaâ€“media thickness, heat shock proteins and oxidized LDL autoantibodies in systemic necrotizing vasculitis. Rheumatology International, 2008, 28, 1099-1103.	3.0	5
103	The prognostic value of carotid intima-media thickness revisited. Archives of Cardiovascular Diseases, 2013, 106, 1-3.	1.6	5
104	Mechanical factors in large artery disease and antihypertensive drugs. American Journal of Cardiology, 1990, 66, C39-C42.	1.6	4
105	Do Arterial Effects of Antihypertensive Drugs Depend on Subject's Serum Cholesterol?. Journal of Cardiovascular Pharmacology, 2001, 38, 520-528.	1.9	4
106	Exercise tolerance test for predicting coronary heart disease in asymptomatic individuals: A review. Atherosclerosis, 2009, 205, 579-583.	0.8	4
107	Carotid circumferential wall stress homeostasis in early remodeling: Theoretical approach and clinical application. Journal of Clinical Ultrasound, 2012, 40, 486-494.	0.8	4
108	Atheromatous Plaques: Quantitative Analysis of the Echogenicity of Different Layers. Revista Espanola De Cardiologia (English Ed), 2009, 62, 984-991.	0.6	3

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109	Relevance of Screening Symptom-Free Population for Coronary and Noncoronary Calcification Burden. Hypertension, 2010, 55, 840-841.	2.7	3
110	Link between small-vessel vasculitides and atherosclerosis. Future Lipidology, 2008, 3, 83-95.	0.5	1
111	Valeur prÃ©dictive des marqueurs de risque cardiovasculaire traditionnels et Ã©mergents. Revue Francophone Des Laboratoires, 2009, 2009, 16-18.	0.0	0