

Alain Simon

List of Publications by Year in descending order

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111
papers

5,722
citations

81743

39
h-index

79541

73
g-index

113
all docs

113
docs citations

113
times ranked

6687
citing authors

#	ARTICLE	IF	CITATIONS
1	Intima-media thickness: a new tool for diagnosis and treatment of cardiovascular risk. <i>Journal of Hypertension</i> , 2002, 20, 159-169.	0.3	499
2	Endothelial microparticles in diseases. <i>Cell and Tissue Research</i> , 2009, 335, 143-151.	1.5	373
3	Microparticles, Vascular Function, and Atherothrombosis. <i>Circulation Research</i> , 2011, 109, 593-606.	2.0	331
4	Arterial Wall Mechanics in Conscious Dogs. <i>Circulation Research</i> , 1995, 76, 468-478.	2.0	237
5	The Value of Carotid Intima-Media Thickness for Predicting Cardiovascular Risk. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 182-185.	1.1	236
6	Differential Effects of Nifedipine and Co-Amilozide on the Progression of Early Carotid Wall Changes. <i>Circulation</i> , 2001, 103, 2949-2954.	1.6	179
7	Carotid intima-media thickness and coronary atherosclerosis: weak or strong relations?. <i>European Heart Journal</i> , 2007, 28, 398-406.	1.0	175
8	Circulating Leukocyte-Derived Microparticles Predict Subclinical Atherosclerosis Burden in Asymptomatic Subjects. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 2775-2780.	1.1	173
9	Effects of Hypertension on Viscoelasticity of Carotid and Femoral Arteries in Humans. <i>Hypertension</i> , 1995, 26, 48-54.	1.3	163
10	Polymorphisms of the Human Matrix Gla Protein (<i>MGP</i>) Gene, Vascular Calcification, and Myocardial Infarction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2000, 20, 2386-2393.	1.1	142
11	Experimental and clinical validation of arterial diameter waveform and intimal media thickness obtained from B-mode ultrasound image processing. <i>Ultrasound in Medicine and Biology</i> , 1999, 25, 1353-1363.	0.7	140
12	Smoking Induces Long-Lasting Effects through a Monoamine-Oxidase Epigenetic Regulation. <i>PLoS ONE</i> , 2009, 4, e7959.	1.1	115
13	Sex and Topographic Differences in Associations Between Large-Artery Wall Thickness and Coronary Risk Profile in a French Working Cohort. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1998, 18, 584-590.	1.1	113
14	Fibrinogen and Silent Atherosclerosis in Subjects With Cardiovascular Risk Factors. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1995, 15, 1263-1268.	1.1	112
15	Comparative performance of subclinical atherosclerosis tests in predicting coronary heart disease in asymptomatic individuals. <i>European Heart Journal</i> , 2007, 28, 2967-2971.	1.0	105
16	Gender differences in wall shear-mediated brachial artery vasoconstriction and vasodilation. <i>Journal of the American College of Cardiology</i> , 2001, 38, 1668-1674.	1.2	97
17	Decreased number of circulating CD34+KDR+ cells in asymptomatic subjects with preclinical atherosclerosis. <i>Atherosclerosis</i> , 2007, 191, 115-120.	0.4	78
18	Platelet Cytosolic Ca ²⁺ and Membrane Dynamics in Patients With Primary Hypercholesterolemia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1995, 15, 759-764.	1.1	77

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19	Coronary heart disease in HIV-infected patients in the highly active antiretroviral treatment era. <i>Aids</i> , 2003, 17, S70-S76.	1.0	76
20	Performance of Subclinical Arterial Disease Detection as a Screening Test for Coronary Heart Disease. <i>Hypertension</i> , 2006, 48, 392-396.	1.3	76
21	Comparative effects of diabetes mellitus and hypertension on physical properties of human large arteries. <i>Journal of the American College of Cardiology</i> , 1992, 20, 1562-1568.	1.2	73
22	Wall thickening of carotid and femoral arteries in male subjects with isolated hypercholesterolemia. <i>Atherosclerosis</i> , 1995, 113, 141-151.	0.4	72
23	Carotid Wall Viscosity Increase Is Related to Intima-Media Thickening in Hypertensive Patients. <i>Hypertension</i> , 1998, 31, 534-539.	1.3	61
24	Carotid Intima-Media Thickness in Heavily Pretreated HIV-Infected Patients. <i>Journal of Acquired Immune Deficiency Syndromes</i> (1999), 2003, 32, 490-493.	0.9	60
25	Carotid artery and left ventricular structural relationship in asymptomatic men at risk for cardiovascular disease. <i>Atherosclerosis</i> , 1996, 127, 103-112.	0.4	56
26	Aortic Stiffening Does Not Predict Coronary and Extracoronary Atherosclerosis in Asymptomatic Men at Risk for Cardiovascular Disease. <i>American Journal of Hypertension</i> , 1998, 11, 293-301.	1.0	56
27	Alcohol Consumption and Carotid Artery Structure in Older French Adults. <i>Stroke</i> , 2004, 35, 2770-2775.	1.0	53
28	Analysis of the relationship between triglyceridemia and HDL-phospholipid concentrations: consequences on the efflux capacity of serum in the Fu5AH system. <i>Atherosclerosis</i> , 2001, 157, 315-323.	0.4	50
29	Influence of Hypertension on Early Carotid Artery Remodeling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003, 23, 1460-1464.	1.1	50
30	Comparative associations of adiposity measures with cardiometabolic risk burden in asymptomatic subjects. <i>Atherosclerosis</i> , 2008, 201, 413-417.	0.4	50
31	Platelet cytosolic proton and free calcium concentrations in essential hypertension. <i>Journal of Hypertension</i> , 1989, 7, 485-491.	0.3	49
32	Endothelium-dependent arterial wall tone elasticity modulated by blood viscosity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 282, H389-H394.	1.5	49
33	Ageing Impact on Thoracic Aorta 3D Morphometry in Intermediate-Risk Subjects: Looking Beyond Coronary Arteries with Non-Contrast Cardiac CT. <i>Annals of Biomedical Engineering</i> , 2012, 40, 1028-1038.	1.3	47
34	Decreased regional blood flow in patients with acromegaly. <i>Clinical Endocrinology</i> , 1998, 49, 725-731.	1.2	45
35	Preclinical changes of extracoronary arterial structures as indicators of coronary atherosclerosis in men. <i>Journal of Hypertension</i> , 1998, 16, 157-163.	0.3	45
36	Enhanced efflux of cholesterol from ABCA1-expressing macrophages to serum from type IV hypertriglyceridemic subjects. <i>Atherosclerosis</i> , 2003, 171, 287-293.	0.4	44

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37	Differences between markers of atherogenic lipoproteins in predicting high cardiovascular risk and subclinical atherosclerosis in asymptomatic men. <i>Atherosclerosis</i> , 2005, 179, 339-344.	0.4	44
38	A new DNA polymorphism in the 5' untranslated region of the human SREBP-1a is related to development of atherosclerosis in high cardiovascular risk population. <i>Atherosclerosis</i> , 2001, 154, 589-597.	0.4	40
39	Relation of risk factors for cardiovascular disease to early atherosclerosis detected by ultrasonography in middle-aged normotensive hypercholesterolemic men. <i>Atherosclerosis</i> , 1990, 85, 151-159.	0.4	39
40	Coronary Risk Estimation and Treatment of Hypercholesterolemia. <i>Circulation</i> , 1997, 96, 2449-2452.	1.6	39
41	May subclinical arterial disease help to better detect and treat high-risk asymptomatic individuals?. <i>Journal of Hypertension</i> , 2005, 23, 1939-1945.	0.3	38
42	Gender difference in the influence of smoking on arterial wall thickness. <i>Atherosclerosis</i> , 2000, 153, 139-145.	0.4	37
43	Identification of Arterial Wall Dynamics in Conscious Dogs. <i>Experimental Physiology</i> , 2001, 86, 519-528.	0.9	37
44	Characterization of polymorphic structure of SREBP-2 gene: role in atherosclerosis. <i>Atherosclerosis</i> , 2003, 168, 381-387.	0.4	37
45	Calcifications of the Thoracic Aorta on Extended Non-Contrast-Enhanced Cardiac CT. <i>PLoS ONE</i> , 2014, 9, e109584.	1.1	37
46	Use of Arterial Compliance for Evaluation of Hypertension. <i>American Journal of Hypertension</i> , 1991, 4, 97-105.	1.0	36
47	High-density lipoprotein subfractions as markers of early atherosclerosis. <i>American Journal of Cardiology</i> , 1995, 75, 127-131.	0.7	35
48	Erythrocyte antioxidant status in asymptomatic hypercholesterolemic men. <i>Atherosclerosis</i> , 1998, 138, 375-381.	0.4	34
49	Circulating microparticles may influence early carotid artery remodeling. <i>Journal of Hypertension</i> , 2010, 28, 789-796.	0.3	33
50	Evidence of Carotid Artery Wall Hypertrophy in Homozygous Homocystinuria. <i>Circulation</i> , 1998, 98, 2276-2281.	1.6	31
51	Fibrinogen and Its Relations to Subclinical Extracoronary and Coronary Atherosclerosis in Hypercholesterolemic Men. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997, 17, 45-50.	1.1	31
52	New monitoring software for larger clinical application of brachial artery flow-mediated vasodilatation measurements. <i>Journal of Hypertension</i> , 2007, 25, 133-140.	0.3	28
53	Biochemical and functional alterations associated with hypercholesterolemia in platelets from hypertensive patients. <i>Atherosclerosis</i> , 1992, 94, 201-211.	0.4	27
54	Charge Heterogeneity of LDL in Asymptomatic Hypercholesterolemic Men Is Related to Lipid Parameters and Variations in the ApoB and CIII Genes. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1998, 18, 1780-1789.	1.1	26

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55	Enhanced removal of cholesterol from macrophage foam cells to serum from type IV hypertriglyceridemic subjects. <i>Atherosclerosis</i> , 2008, 198, 49-56.	0.4	26
56	Active and Passive Effects of Antihypertensive Drugs on Large Artery Diameter and Elasticity in Human Essential Hypertension. <i>Journal of Cardiovascular Pharmacology</i> , 1992, 19, 78-85.	0.8	25
57	Atherosclerosis in ANCA-Associated Vasculitides. <i>Annals of the New York Academy of Sciences</i> , 2007, 1107, 11-21.	1.8	25
58	Factors Associated with Major Cardiovascular Events in Patients with Systemic Necrotizing Vasculitides: Results of a Longterm Followup Study. <i>Journal of Rheumatology</i> , 2014, 41, 723-729.	1.0	25
59	Identifying the Principal Modes of Variation in Human Thoracic Aorta Morphology. <i>Journal of Thoracic Imaging</i> , 2014, 29, 224-232.	0.8	25
60	Age-related changes of thoracic aorta geometry used to predict the risk for acute type B dissection. <i>International Journal of Cardiology</i> , 2017, 228, 654-660.	0.8	25
61	Cholesterol lowering therapy inhibits the low-flow mediated vasoconstriction of the brachial artery in hypercholesterolaemic subjects. <i>British Journal of Clinical Pharmacology</i> , 1996, 42, 187-193.	1.1	23
62	Determinants of Progression of Coronary Artery Calcifications in Asymptomatic Men at High Cardiovascular Risk. <i>Angiology</i> , 2002, 53, 677-683.	0.8	22
63	Plasma and erythrocyte vitamin E content in asymptomatic hypercholesterolemic subjects. <i>Clinical Chemistry</i> , 1997, 43, 285-289.	1.5	21
64	Erythrocyte, but not plasma, vitamin E concentration is associated with carotid intima-media thickening in asymptomatic men at risk for cardiovascular disease. <i>Atherosclerosis</i> , 2001, 159, 193-200.	0.4	21
65	Impact of shear stimulus, risk factor burden and early atherosclerosis on the time-course of brachial artery flow-mediated vasodilation. <i>Journal of Hypertension</i> , 2008, 26, 508-515.	0.3	21
66	Effects of Enhanced External Counterpulsation on Carotid Circulation in Patients with Coronary Artery Disease. <i>Cardiology</i> , 2007, 108, 104-110.	0.6	20
67	Early thoracic aorta enlargement in asymptomatic individuals at risk for cardiovascular disease: determinant factors and clinical implication. <i>Journal of Hypertension</i> , 2010, 28, 2134-2138.	0.3	20
68	The physiological impact of the nonlinearity of arterial elasticity in the ambulatory arterial stiffness index. <i>Physiological Measurement</i> , 2010, 31, 1037-1046.	1.2	20
69	Effect of hypertension on viscoelasticity of large arteries in humans. <i>Current Hypertension Reports</i> , 2001, 3, 74-78.	1.5	19
70	Effect of beta adrenoceptors and thyroid hormones on velocity and acceleration of peripheral arterial flow in hyperthyroidism. <i>American Journal of Cardiology</i> , 1990, 65, 494-500.	0.7	18
71	Detection of Preclinical Atherosclerosis May Optimize the Management of Hypertension. <i>American Journal of Hypertension</i> , 1997, 10, 813-824.	1.0	18
72	The role of antihypertensive drugs in counteracting adverse influence on large arteries. <i>American Heart Journal</i> , 1987, 114, 992-997.	1.2	16

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73	Relationship of Circulating Biomarkers of Inflammation and Hemostasis with Preclinical Atherosclerotic Burden in Nonsmoking Hypercholesterolemic Men. <i>American Journal of Hypertension</i> , 2006, 19, 1025-1031.	1.0	16
74	New Assessment of Endothelium-Dependent Flow-Mediated Vasodilation to Characterize Endothelium Dysfunction. <i>American Journal of Therapeutics</i> , 2008, 15, 340-344.	0.5	16
75	Impact of coronary artery calcium on cardiovascular risk categorization and lipid-lowering drug eligibility in asymptomatic hypercholesterolemic men. <i>International Journal of Cardiology</i> , 2011, 151, 200-204.	0.8	16
76	Haemodynamic Basis of Early Modifications of the Large Arteries in Borderline Hypertension. <i>Journal of Hypertension</i> , 1987, 5, 179-184.	0.3	15
77	Cyclic GMP Release by Acute Enhanced External Counterpulsation. <i>American Journal of Hypertension</i> , 2006, 19, 867-872.	1.0	15
78	Carotid wall inertial index increase is related to intima-media thickening in hypertensive patients. <i>Journal of Hypertension</i> , 1999, 17, 1825-1829.	0.3	13
79	Difference in Carotid Artery Wall Structure Between Swedish and French Men at Low and High Coronary Risk. <i>Stroke</i> , 2001, 32, 1775-1779.	1.0	13
80	Clinical use of nifedipine GITS in the treatment of hypertension: an overview. <i>Expert Opinion on Pharmacotherapy</i> , 2003, 4, 95-106.	0.9	13
81	Plasma cGMP and Large Artery Remodeling in Asymptomatic Men. <i>Hypertension</i> , 2004, 44, 919-923.	1.3	13
82	The relationship between carotid intima-media thickness and coronary atherosclerosis revisited. <i>European Heart Journal</i> , 2007, 28, 2049-2050.	1.0	13
83	Correction of carotid intima-media thickness for adaptive dependence on tensile stress: Implication for cardiovascular risk assessment. <i>Journal of Clinical Ultrasound</i> , 2009, 37, 270-275.	0.4	12
84	Study of vitamin E net mass transfer between α -tocopherol-enriched HDL and erythrocytes: application to asymptomatic hypercholesterolemic men. <i>Free Radical Biology and Medicine</i> , 2000, 28, 815-823.	1.3	10
85	Feasibility and Reliability of Ankle/Arm Blood Pressure Index in Preventive Medicine. <i>Angiology</i> , 2000, 51, 463-471.	0.8	10
86	Large artery wall thickening and its determinants under antihypertensive treatment. <i>Journal of Hypertension</i> , 2004, 22, 137-143.	0.3	10
87	Current possibilities for detecting high risk of cardiovascular disease. <i>International Journal of Cardiology</i> , 2006, 110, 146-152.	0.8	10
88	Association of calcium density in the thoracic aorta with risk factors and clinical events. <i>European Radiology</i> , 2020, 30, 3960-3967.	2.3	10
89	Overview on atherosclerotic systolic hypertension. <i>International Journal of Cardiology</i> , 1987, 16, 1-18.	0.8	9
90	Heterogeneity of Response of Peripheral Arteries to Antihypertensive Drugs in Essential Hypertension. <i>Drugs</i> , 1988, 35, 34-39.	4.9	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. <i>Clinical Pharmacology and Therapeutics</i> , 1989, 46, 686-692.	2.3	9
92	Differential Associations of Statin and Fibrate Treatment With Carotid Arterial Remodeling. <i>American Journal of Hypertension</i> , 2005, 18, 1476-1481.	1.0	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?. <i>Atherosclerosis</i> , 1994, 105, 245-249.	0.4	8
95	Association of thoracic aorta calcium and non cardiac vascular events in cardiac disease-free individuals. <i>Atherosclerosis</i> , 2016, 245, 22-27.	0.4	8
96	Intrinsic effect of antihypertensive treatment with isradipine and metoprolol on large artery geometric and elastic properties. <i>Clinical Pharmacology and Therapeutics</i> , 1993, 54, 76-83.	2.3	7
97	Placas de ateroma: descripci3n cuantitativa de la ecogenicidad por capas. <i>Revista Espanola De Cardiologia</i> , 2009, 62, 984-991.	0.6	7
98	Association Between Thoracic Aorta Calcium and Thoracic Aorta Geometry in a Cohort of Asymptomatic Participants at Increased Cardiovascular Risk. <i>Revista Espanola De Cardiologia (English)</i> Tj ETQq0 0 0 0 BT / Overlock 10 T		
99	Deformable Surface Model for the Evaluation of Abdominal Aortic Aneurysms Treated with an Endovascular Sealing System. <i>Annals of Biomedical Engineering</i> , 2016, 44, 1381-1391.	1.3	6
100	Unrelated responses of brachial artery hemodynamics and renin-angiotensin system to acute converting enzyme inhibition by enalaprilat in essential hypertension. <i>American Journal of Cardiology</i> , 1988, 61, 1056-1060.	0.7	5
101	Phase III and Phase IV Trials: Noninvasive Assessment of Efficacy Endpoints in Vessel Walls. <i>American Journal of Cardiology</i> , 1998, 81, 67F-68F.	0.7	5
102	Carotid artery intima-media thickness, heat shock proteins and oxidized LDL autoantibodies in systemic necrotizing vasculitis. <i>Rheumatology International</i> , 2008, 28, 1099-1103.	1.5	5
103	The prognostic value of carotid intima-media thickness revisited. <i>Archives of Cardiovascular Diseases</i> , 2013, 106, 1-3.	0.7	5
104	Mechanical factors in large artery disease and antihypertensive drugs. <i>American Journal of Cardiology</i> , 1990, 66, C39-C42.	0.7	4
105	Do Arterial Effects of Antihypertensive Drugs Depend on Subject's Serum Cholesterol?. <i>Journal of Cardiovascular Pharmacology</i> , 2001, 38, 520-528.	0.8	4
106	Exercise tolerance test for predicting coronary heart disease in asymptomatic individuals: A review. <i>Atherosclerosis</i> , 2009, 205, 579-583.	0.4	4
107	Carotid circumferential wall stress homeostasis in early remodeling: Theoretical approach and clinical application. <i>Journal of Clinical Ultrasound</i> , 2012, 40, 486-494.	0.4	4
108	Atheromatous Plaques: Quantitative Analysis of the Echogenicity of Different Layers. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2009, 62, 984-991.	0.4	3

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109	Relevance of Screening Symptom-Free Population for Coronary and Noncoronary Calcification Burden. Hypertension, 2010, 55, 840-841.	1.3	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