Pierre Boutouyrie

List of Publications by Year
in descending order

312 papers	42,010 citations	5896 81 h-index	2332 199 g-index
320 all docs	320 docs citations	320 times ranked	30999 citing authors

#	Article	IF	Citations
1	2018 ESC/ESH Guidelines for the management of arterial hypertension. European Heart Journal, 2018, 39, 3021-3104.	2.2	6,826
2	Expert consensus document on arterial stiffness: methodological issues and clinical applications. European Heart Journal, 2006, 27, 2588-2605.	2.2	5,012
3	Aortic Stiffness Is an Independent Predictor of All-Cause and Cardiovascular Mortality in Hypertensive Patients. Hypertension, 2001, 37, 1236-1241.	2.7	3,315
4	Determinants of pulse wave velocity in healthy people and in the presence of cardiovascular risk factors: â€˜establishing normal and reference valuesâ€™. European Heart Journal, 2010, 31, 2338-2350.	2.2	1,637
5	Aortic Stiffness Is an Independent Predictor of Primary Coronary Events in Hypertensive Patients. Hypertension, 2002, 39, 10-15.	2.7	1,604
6	Aortic Pulse Wave Velocity Improves Cardiovascular Event Prediction. Journal of the American College of Cardiology, 2014, 63, 636-646.	2.8	1,446
7	Expert consensus document on the measurement of aortic stiffness in daily practice using carotid-femoral pulse wave velocity. Journal of Hypertension, 2012, 30, 445-448.	0.5	1,440
8	Aortic Stiffness Is an Independent Predictor of Fatal Stroke in Essential Hypertension. Stroke, 2003, 34, 1203-1206.	2.0	920
9	A call to action and a lifecourse strategy to address the global burden of raised blood pressure on current and future generations: the Lancet Commission on hypertension. Lancet, The, 2016, 388, 2665-2712.	13.7	670
10	The role of vascular biomarkers for primary and secondary prevention. A position paper from the European Society of Cardiology Working Group on peripheral circulation. Atherosclerosis, 2015, 241, 507-532.	0.8	587
11	Arterial Stiffness and Stroke in Hypertension. CNS Drugs, 2005, 19, 1-11.	5.9	559
12	Arterial alterations with aging and high blood pressure. A noninvasive study of carotid and femoral arteries.. Arteriosclerosis and Thrombosis: A Journal of Vascular Biology, 1993, 13, 90-97.	3.9	512
13	Role of Pulse Pressure Amplification in Arterial Hypertension. Hypertension, 2009, 54, 375-383.	2.7	457
14	Association Between Local Pulse Pressure, Mean Blood Pressure, and Large-Artery Remodeling. Circulation, 1999, 100, 1387-1393.	1.6	423
15	Mineral Metabolism and Arterial Functions in End-Stage Renal Disease. Journal of the American Society of Nephrology: JASN, 2007, 18, 613-620.	6.1	392
16	The Structural Factor of Hypertension. Circulation Research, 2015, 116, 1007-1021.	4.5	383
17	Structural and Genetic Bases of Arterial Stiffness. Hypertension, 2005, 45, 1050-1055.	2.7	363
18	Effect of celiprolol on prevention of cardiovascular events in vascular Ehlers-Danlos syndrome: a prospective randomised, open, blinded-endpoints trial. Lancet, The, 2010, 376, 1476-1484.	13.7	330

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19	Vascular Aging. Hypertension, 2009, 54, 3-10.	2.7	318
20	Arterial stiffness and pulse pressure in CKD and ESRD. Kidney International, 2012, 82, 388-400.	5.2	307
21	Arterial stiffness and enlargement in mild-to-moderate chronic kidney disease. Kidney International, 2006, 69, 350-357.	5.2	289
22	Association of Bone Activity, Calcium Load, Aortic Stiffness, and Calcifications in ESRD. Journal of the American Society of Nephrology: JASN, 2008, 19, 1827-1835.	6.1	251
23	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, 3122-3133.	2.2	249
24	Fibromuscular dysplasia. Orphanet Journal of Rare Diseases, 2007, 2, 28.	2.7	245
25	Recent Advances in Arterial Stiffness and Wave Reflection in Human Hypertension. Hypertension, 2007, 49, 1202-1206.	2.7	242
26	Relationship Between Short-Term Blood Pressure Variability and Large-Artery Stiffness in Human Hypertension. Hypertension, 2012, 60, 369-377.	2.7	236
27	Reference intervals for common carotid intima-media thickness measured with echotracking: relation with risk factors. European Heart Journal, 2013, 34, 2368-2380.	2.2	228
28	Carotid and Aortic Stiffness. Hypertension, 2006, 47, 371-376.	2.7	217
29	Arterial Stiffness and Cardiovascular Risk in Hypertension. Circulation Research, 2021, 128, 864-886.	4.5	213
30	Local Pulse Pressure and Regression of Arterial Wall Hypertrophy During Long-Term Antihypertensive Treatment. Circulation, 2000, 101, 2601-2606.	1.6	210
31	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, 1034-1042.	0.5	209
32	Amlodipine-Valsartan Combination Decreases Central Systolic Blood Pressure More Effectively Than the Amlodipine-Atenolol Combination. Hypertension, 2010, 55, 1314-1322.	2.7	200
33	Elastic modulus of the radial artery wall material is not increased in patients with essential hypertension.. Arteriosclerosis and Thrombosis: A Journal of Vascular Biology, 1994, 14, 1223-1231.	3.9	198
34	Large and Small Artery Cross-Talk and Recent Morbidity-Mortality Trials in Hypertension. Hypertension, 2009, 54, 388-392.	2.7	190
35	Interaction Between Hypertension and Arterial Stiffness. Hypertension, 2018, 72, 796-805.	2.7	189
36	Early vascular ageing in translation. Journal of Hypertension, 2013, 31, 1517-1526.	0.5	184

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37	Central Pulse Pressure Is a Major Determinant of Ascending Aorta Dilation in Marfan Syndrome. Circulation, 1999, 99, 2677-2681.	1.6	178
38	Validation of non-invasive central blood pressure devices: ARTERY Society task force consensus statement on protocol standardization. European Heart Journal, 2017, 38, 2805-2812.	2.2	175
39	The type of variants at the COL3A1 gene associates with the phenotype and severity of vascular Ehlersâ€"Danlos syndrome. European Journal of Human Genetics, 2015, 23, 1657-1664.	2.8	173
40	Carotid Stiffness Is Associated With Incident Stroke. Journal of the American College of Cardiology, 2015, 66, 2116-2125.	2.8	172
41	Intrinsic Stiffness of the Carotid Arterial Wall Material in Essential Hypertensives. Hypertension, 2000, 35, 1049-1054.	2.7	169
42	Diagnostic score for heparin-induced thrombocytopenia after cardiopulmonary bypass. Journal of Thrombosis and Haemostasis, 2004, 2, 1882-1888.	3.8	163
43	Remodeling of the Radial Artery in Response to a Chronic Increase in Shear Stress. Hypertension, 1996, 27, 799-803.	2.7	163
44	Large Artery Stiffening and Remodeling Are Independently Associated With All-Cause Mortality and Cardiovascular Events in Chronic Kidney Disease. Hypertension, 2012, 60, 1451-1457.	2.7	161
45	Brachial Pressureâ€"Independent Reduction in Carotid Stiffness After Long-Term Angiotensin-Converting Enzyme Inhibition in Diabetic Hypertensives. Hypertension, 2006, 48, 80-86.	2.7	160
46	Automated detection of local artery wall thickness based on M-line signal processing. Ultrasound in Medicine and Biology, 1997, 23, 1017-1023.	1.5	159
47	ARTERY Society guidelines for validation of non-invasive haemodynamic measurement devices: Part 1, arterial pulse wave velocity. Artery Research, 2010, 4, 34.	0.6	149
48	PHACTR1 Is a Genetic Susceptibility Locus for Fibromuscular Dysplasia Supporting Its Complex Genetic Pattern of Inheritance. PLoS Genetics, 2016, 12, e1006367.	3.5	146
49	Concept of Extremes in Vascular Aging. Hypertension, 2019, 74, 218-228.	2.7	138
50	An independent relationship between muscle sympathetic nerve activity and pulse wave velocity in normal humans. Journal of Hypertension, 2010, 28, 979-984.	0.5	136
51	Common Carotid Artery Stiffness and Patterns of Left Ventricular Hypertrophy in Hypertensive Patients. Hypertension, 1995, 25, 651-659.	2.7	136
52	Arterial Remodeling Associates with CKD Progression. Journal of the American Society of Nephrology: JASN, 2011, 22, 967-974.	6.1	135
53	Isobaric compliance of the radial artery is increased in patients with essential hypertension. Journal of Hypertension, 1993, 11, 89-98.	0.5	128
54	Arterial Stiffness in the Heart Disease of CKD. Journal of the American Society of Nephrology: JASN, 2019, 30, 918-928.	6.1	128

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55	Opposing effects of ageing on distal and proximal large arteries in hypertensives. Journal of Hypertension, 1992, 10, S87???S92.	0.5	122
56	Pharmacological Modulation of Arterial Stiffness. Drugs, 2011, 71, 1689-1701.	10.9	122
57	Large-vessel correlates of cerebral small-vessel disease. Neurology, 2013, 80, 662-669.	1.1	122
58	Methodology and technology for peripheral and central blood pressure and blood pressure variability measurement. Journal of Hypertension, 2016, 34, 1665-1677.	0.5	118
59	Sequential nephron blockade versus sequential reninâ€"angiotensin system blockade in resistant hypertension. Journal of Hypertension, 2012, 30, 1656-1664.	0.5	111
60	Macrovasculature and Microvasculature at the Crossroads Between Type 2 Diabetes Mellitus and Hypertension. Hypertension, 2019, 73, 1138-1149.	2.7	111
61	Heart Rate, Arterial Stiffness, and Wave Reflections in Paced Patients. Hypertension, 2001, 38, 949-952.	2.7	108
62	Characterization of arterial wall mechanical behavior and stresses from human clinical data. Journal of Biomechanics, 2008, 41, 2618-2627.	2.1	107
63	Estimated carotidâ€"femoral pulse wave velocity has similar predictive value as measured carotidâ€"femoral pulse wave velocity. Journal of Hypertension, 2016, 34, 1279-1289.	0.5	106
64	Increased Carotid Wall Stress in Vascular Ehlers-Danlos Syndrome. Circulation, 2004, 109, 1530-1535.	1.6	104
65	Early and Supernormal Vascular Aging. Hypertension, 2020, 76, 1616-1624.	2.7	103
66	Vascular Ehlers-Danlos Syndrome. Journal of the American College of Cardiology, 2019, 73, 1948-1957.	2.8	102
67	Vascular consequences of inflammation: a position statement from the ESH Working Group on Vascular Structure and Function and the ARTERY Society. Journal of Hypertension, 2020, 38, 1682-1698.	0.5	102
68	Arterial Stiffness as Surrogate End Point. Hypertension, 2012, 60, 518-522.	2.7	100
69	Increased Stiffness of Radial Artery Wall Material in End-Stage Renal Disease. Hypertension, 1997, 30, 1425-1430.	2.7	100
70	Inheritance of arterial lesions in renal fibromuscular dysplasia. Journal of Human Hypertension, 2007, 21, 393-400.	2.2	99
71	Characteristics of healthy vascular ageing in pooled population-based cohort studies. Journal of Hypertension, 2018, 36, 2340-2349.	0.5	97
72	Physiological Genomics of Human Arteries. Circulation, 2003, 108, 1845-1851.	1.6	96

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73	Reference values for local arterial stiffness. Part A. Journal of Hypertension, 2015, 33, 1981-1996.	0.5	96
74	In Vivo/In Vitro Comparison of Rat Abdominal Aorta Wall Viscosity. Arteriosclerosis, Thrombosis, and Vascular Biology, 1997, 17, 1346-1355.	2.4	95
75	The Aging Process Modifies the Distensibility of Elastic but not Muscular Arteries. Hypertension, 1999, 34, 889-892.	2.7	95
76	Wearable Activity Trackers for Monitoring Adherence to Home Confinement During the COVID-19 Pandemic Worldwide: Data Aggregation and Analysis. Journal of Medical Internet Research, 2020, 22, e19787.	4.3	95
77	Aortic-Brachial Stiffness Mismatch and Mortality in Dialysis Population. Hypertension, 2015, 65, 378-384.	2.7	94
78	Assessment of pulse wave velocity. Artery Research, 2009, 3, 3.	0.6	92
79	Exome-wide association study reveals novel susceptibility genes to sporadic dilated cardiomyopathy. PLoS ONE, 2017, 12, e0172995.	2.5	92
80	Arterial Stiffness and Hypertension in the Elderly. Frontiers in Cardiovascular Medicine, 2020, 7, 544302.	2.4	91
81	Pulse wave velocity distribution in a cohort study. Journal of Hypertension, 2015, 33, 1438-1445.	0.5	90
82	Dose-Dependent Arterial Destiffening and Inward Remodeling After Olmesartan in Hypertensives With Metabolic Syndrome. Hypertension, 2014, 64, 709-716.	2.7	88
83	Aortic stiffness as a tissue biomarker for predicting future cardiovascular events in asymptomatic hypertensive subjects. Annals of Medicine, 2012, 44, S93-S97.	3.8	87
84	Arterial stiffness is increased in patients with inflammatory bowel disease. Journal of Hypertension, 2012, 30, 1775-1781.	0.5	86
85	Long-term reduction in aortic stiffness: a 5.3-year follow-up in routine clinical practice. Journal of Hypertension, 2010, 28, 2336-2341.	0.5	84
86	Determinants of Progression of Aortic Stiffness in Hemodialysis Patients. Hypertension, 2013, 62, 154-160.	2.7	82
87	Assessment of arterial stiffness for clinical and epidemiological studies: methodological considerations for validation and entry into the European Renal and Cardiovascular Medicine registry. Nephrology Dialysis Transplantation, 2014, 29, 232-239.	0.7	81
88	Early Vascular Ageing (EVA): Definitions and Clinical Applicability. Current Hypertension Reviews, 2017, 13, 8-15.	0.9	81
89	Endothelial Function and Chronic Exposure to Air Pollution in Normal Male Subjects. Hypertension, 2007, 50, 970-976.	2.7	79
90	Drug adherence in hypertension. Journal of Hypertension, 2017, 35, 1133-1144.	0.5	79

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91	Carotid-femoral pulse wave velocity assessment using novel cuff-based techniques. Journal of Hypertension, 2013, 31, 2237-2243.	0.5	77
92	Risk Assessment for Severe Clinical Attachment Loss in an Adult Population. Journal of Periodontology, 2006, 77, 479-489.	3.4	75
93	Assessment of Carotid Stiffness and Intima-Media Thickness From Ultrasound Data. Journal of Ultrasound in Medicine, 2010, 29, 1169-1175.	1.7	75
94	Abridged version of the expert consensus document on arterial stiffnessâˆ†. Artery Research, 2007, 1, 2.	0.6	73
95	Multiaxial Mechanical Characteristics of Carotid Plaque. Stroke, 2007, 38, 117-123.	2.0	71
96	The Noninvasive Assessment of Vascular Aging. Canadian Journal of Cardiology, 2016, 32, 669-679.	1.7	71
97	Aortic Stiffness Predicts Functional Outcome in Patients After Ischemic Stroke. Stroke, 2012, 43, 543-544.	2.0	68
98	Heart rate variability and functional outcome in ischemic stroke. Journal of Hypertension, 2013, 31, 1629-1636.	0.5	68
99	Reduced Immunoregulatory CD31 + T Cells in Patients With Atherosclerotic Abdominal Aortic Aneurysm. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 618-623.	2.4	67
100	SPARTE Study: Normalization of Arterial Stiffness and Cardiovascular Events in Patients With Hypertension at Medium to Very High Risk. Hypertension, 2021, 78, 983-995.	2.7	65
101	Arterial and renal consequences of partial genetic deficiency in tissue kallikrein activity in humans. Journal of Clinical Investigation, 2005, 115, 780-787.	8.2	64
102	Increased Stiffness of the Carotid Wall Material in Patients With Spontaneous Cervical Artery Dissection. Stroke, 2004, 35, 2078-2082.	2.0	63
103	Increased arterial stiffness in inflammatory bowel diseases is dependent upon inflammation and reduced by immunomodulatory drugs. Atherosclerosis, 2014, 234, 346-351.	0.8	62
104	Mechanical properties and structure of carotid arteries in mice lacking desmin. Cardiovascular Research, 2001, 51, 178-187.	3.8	61
105	Local Shear Stress and Brachial Artery Functions in End-Stage Renal Disease. Journal of the American Society of Nephrology: JASN, 2007, 18, 621-628.	6.1	60
106	Distance measurements for the assessment of carotid to femoral pulse wave velocity. Journal of Hypertension, 2009, 27, 2377-2385.	0.5	60
107	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.	1.5	59
108	Aortic Stiffness of Kidney Transplant Recipients Correlates with Donor Age. Journal of the American Society of Nephrology: JASN, 2008, 19, 798-805.	6.1	58

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109	Inflammation and Aortic Stiffness: An Individual Participant Data Metaâ€Analysis in Patients With Inflammatory Bowel Disease. Journal of the American Heart Association, 2017, 6, .	3.7	58
110	Aortic Distensibility and Structural Changes in Sinoaortic-Denervated Rats. Hypertension, 1995, 26, 337-340.	2.7	58
111	Frequent and Widespread Vascular Abnormalities in Human Signal Transducer and Activator of Transcription 3 Deficiency. Circulation: Cardiovascular Genetics, 2012, 5, 25-34.	5.1	56
112	Carotid Plaque, Arterial Stiffness Gradient, and Remodeling in Hypertension. Hypertension, 2008, 52, 729-736.	2.7	54
113	Smooth Muscle Tone and Arterial Wall Viscosity. Hypertension, 1998, 32, 360-364.	2.7	52
114	Osteopenia and osteoporosis: previously unrecognized manifestations of Fabry disease. Clinical Genetics, 2005, 68, 93-95.	2.0	51
115	Reference values for local arterial stiffness. Part B. Journal of Hypertension, 2015, 33, 1997-2009.	0.5	51
116	Flow-Mediated Vasodilation in End-Stage Renal Disease. Clinical Journal of the American Society of Nephrology: CJASN, 2011, 6, 2009-2015.	4.5	49
117	Pulse wave velocity is associated with early clinical outcome after ischemic stroke. Atherosclerosis, 2012, 225, 348-352.	0.8	49
118	Genome-wide association analysis in dilated cardiomyopathy reveals two new players in systolic heart failure on chromosomes 3p25.1 and 22q11.23. European Heart Journal, 2021, 42, 2000-2011.	2.2	49
119	Influence of Tamoxifen on Carotid Intima-Media Thickness in Postmenopausal Women. Circulation, 2002, 106, 2925-2929.	1.6	48
120	Paris Prospective Study III: a study of novel heart rate parameters, baroreflex sensitivity and risk of sudden death. European Journal of Epidemiology, 2011, 26, 887-892.	5.7	47
121	Effects of Hunter-Gatherer Subsistence Mode on Arterial Distensibility in Cameroonian Pygmies. Hypertension, 2012, 60, 123-128.	2.7	47
122	Periodontitis and arterial stiffness: a systematic review and metaâ€analysis. Journal of Clinical Periodontology, 2015, 42, 977-987.	4.9	47
123	Arterial Remodeling and Stiffness in Patients With Pseudoxanthoma Elasticum. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 836-841.	2.4	44
124	Evidence for carotid and radial artery wall subclinical lesions in renal fibromuscular dysplasia. Journal of Hypertension, 2003, 21, 2287-2295.	0.5	44
125	Importance of arterial stiffness as cardiovascular risk factor for future development of new type of drugs. Fundamental and Clinical Pharmacology, 2008, 22, 241-246.	1.9	43
126	Common Carotid Artery Diameter and Risk of Cardiovascular Events and Mortality. Hypertension, 2018, 72, 85-92.	2.7	43

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127	Compressibility of the Carotid Artery in Patients With Pseudoxanthoma Elasticum. Hypertension, 2001, 38, 1181-1184.	2.7	42
128	Arterial stiffness in inflammatory bowel disease. Journal of Hypertension, 2016, 34, 822-829.	0.5	42
129	Glucose level is a major determinant of carotid intima???media thickness in patients with hypertension and hyperglycemia. Journal of Hypertension, 2004, 22, 2153-2160.	0.5	41
130	Antihypertensive Effects of Fasidotril, a Dual Inhibitor of Neprilysin and Angiotensin-Converting Enzyme, in Rats and Humans. Hypertension, 2000, 35, 1148-1153.	2.7	40
131	How to check whether a blood pressure monitor has been properly validated for accuracy. Journal of Clinical Hypertension, 2020, 22, 2167-2174.	2.0	39
132	Dynamic versus Static Compliance of the Carotid Artery in Living Wistar-Kyoto Rats. Journal of Vascular Research, 1995, 32, 254-265.	1.4	38
133	Inflammation and Aortic Pulse Wave Velocity: A Multicenter Longitudinal Study in Patients With Inflammatory Bowel Disease. Journal of the American Heart Association, 2019, 8, e010942.	3.7	38
134	Routine urinary detection of antihypertensive drugs for systematic evaluation of adherence to treatment in hypertensive patients. Journal of Hypertension, 2017, 35, 1891-1898.	0.5	37
135	Measurement of Aortic Pulse Wave Velocity With a Connected Bathroom Scale. American Journal of Hypertension, 2017, 30, 876-883.	2.0	37
136	Lack of Association Between Renin-Angiotensin System, Gene Polymorphisms, and Wall Thickness of the Radial and Carotid Arteries. Hypertension, 1998, 32, 579-583.	2.7	36
137	Disruption of the elastin gene in adult Williams syndrome is accompanied by a paradoxical reduction in arterial stiffness. Clinical Science, 2002, 103, 21-28.	4.3	36
138	Ambulatory arterial stiffness index does not accurately assess arterial stiffness. Journal of Hypertension, 2012, 30, 574-580.	0.5	36
139	A novel device for measuring arterial stiffness using finger-toe pulse wave velocity: Validation study of the pOpmÂ¨treÂ®. Archives of Cardiovascular Diseases, 2015, 108, 227-234.	1.6	35
140	Comparison of the Complior Analyse device with Sphygmocor and Complior SP for pulse wave velocity and central pressure assessment. Journal of Hypertension, 2014, 32, 873-880.	0.5	34
141	Carotid artery mechanical properties and stresses quantified using in vivo data from normotensive and hypertensive humans. Biomechanics and Modeling in Mechanobiology, 2011, 10, 867-882.	2.8	33
142	Arterial Stiffness Impairment in Sickle Cell Disease Associated With Chronic Vascular Complications. Circulation, 2016, 134, 923-933.	1.6	33
143	Sex disparities in ideal cardiovascular health. Heart, 2017, 103, 1595-1601.	2.9	33
144	The Clinical Significance and Application of Vascular Stiffness Measurements. American Journal of Hypertension, 2019, 32, 4-11.	2.0	33

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145	Evaluation of arterial stiffness by fingerâ€"toe pulse wave velocity. Journal of Hypertension, 2017, 35, 1618-1625.	0.5	32
146	Mechanical and Structural Characteristics of Carotid Plaques by Combined Analysis With Echotracking System and MR Imaging. JACC: Cardiovascular Imaging, 2011, 4, 468-477.	5.3	31
147	Influence of pravastatin on carotid artery structure and function in dyslipidemic HIV-infected patients receiving antiretroviral therapy. Aids, 2006, 20, 2395-2398.	2.2	30
148	Non-invasive evaluation of arterial involvement in patients affected with Fabry disease. Journal of Medical Genetics, 2001, 38, 629-631.	3.2	29
149	Î±1-antitrypsin gene polymorphisms are not associated with renal arterial fibromuscular dysplasia. Journal of Hypertension, 2006, 24, 705-710.	0.5	29
150	European workshop in periodontal health and cardiovascular disease consensus document. European Heart Journal Supplements, 2010, 12, B13-B22.	0.1	29
151	Increased carotid stiffness and remodelling at early stages of chronic kidney disease. Journal of Hypertension, 2019, 37, 1176-1182.	0.5	29
152	Effects of acupuncture on radial artery hemodynamics: controlled trials in sensitized and naive subjects. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 280, H628-H633.	3.2	28
153	True antihypertensive efficacy of sequential nephron blockade in patients with resistant hypertension and confirmed medication adherence. Journal of Hypertension, 2015, 33, 2526-2533.	0.5	28
154	Microvascular Contribution to Late-Onset Depression: Mechanisms, Current Evidence, Association With Other Brain Diseases, and Therapeutic Perspectives. Biological Psychiatry, 2021, 90, 214-225.	1.3	28
155	Arterial and renal consequences of partial genetic deficiency in tissue kallikrein activity in humans. Journal of Clinical Investigation, 2005, 115, 780-787.	8.2	28
156	Effects of Recombinant Human Erythropoietin on Resistance Artery Endothelial Function in Stage 4 Chronic Kidney Disease. Journal of the American Heart Association, 2013, 2, e000128.	3.7	27
157	Arterial Stiffness as an Imaging Biomarker. Hypertension, 2013, 62, 10-12.	2.7	27
158	Destiffening effect of valsartan and atenolol. Journal of Hypertension, 2014, 32, 108-114.	0.5	27
159	Large artery stiffness and hypertension after antiangiogenic drugs. Journal of Hypertension, 2015, 33, 1310-1317.	0.5	27
160	Pulse wave velocity differs between ulcerative colitis and chronic kidney disease. European Journal of Internal Medicine, 2018, 47, 36-42.	2.2	27
161	Accelerated arterial stiffening and gene expression profile of the aorta in patients with coronary artery disease. Journal of Hypertension, 2008, 26, 747-757.	0.5	26
162	Homocysteine is the only plasma thiol associated with carotid artery remodeling. Atherosclerosis, 2002, 165, 167-174.	0.8	25

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163	Numerical assessment and comparison of pulse wave velocity methods aiming at measuring aortic stiffness. Physiological Measurement, 2017, 38, 1953-1967.	2.1	25
164	Angiotensinogen gene M235T polymorphism and reduction in wall thickness in response to antihypertensive treatment. Clinical Science, 2003, 105, 637-644.	4.3	24
165	Arterial stiffness and angiotensinogen gene in hypertensive patients and mutant mice. Journal of Hypertension, 2004, 22, 1299-1307.	0.5	24
166	Obtaining arterial stiffness indices from simple arm cuff measurements: the holy grail?. Journal of Hypertension, 2009, 27, 2159-2161.	0.5	24
167	Forearm ischemia decreases endothelial colony-forming cell angiogenic potential. Cytotherapy, 2014, 16, 213-224.	0.7	24
168	Acute hypertensive response in ischemic stroke is associated with increased aortic stiffness. Atherosclerosis, 2016, 251, 1-5.	0.8	24
169	Arterial (Aortic) Stiffness in Patients with Resistant Hypertension: from Assessment to Treatment. Current Hypertension Reports, 2017, 19, 2.	3.5	24
170	Reversal of Arterial Stiffness and Maladaptative Arterial Remodeling After Kidney Transplantation. Journal of the American Heart Association, 2017, 6, .	3.7	24
171	Pulse pressure reduction and cardiovascular protection. Journal of Hypertension, 2006, 24, S13-S18.	0.5	23
172	Association of menopause and hormone replacement therapy with large artery remodeling. Fertility and Sterility, 2011, 96, 1445-1450.	1.0	23
173	Ideal Cardiovascular Health and Subclinical Markers of Carotid Structure and Function. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 2115-2124.	2.4	22
174	Opposite Effects of Remodeling and Hypertrophy on Arterial Compliance in Hypertension. Hypertension, 1998, 31, 529-533.	2.7	21
175	CARDIOVASCULAR RISK ASSESSMENT THROUGH TARGET ORGAN DAMAGE: ROLE OF CAROTID TO FEMORAL PULSE WAVE VELOCITY. Clinical and Experimental Pharmacology and Physiology, 2008, 35, 530-533.	1.9	21
176	Mechanical properties of arteries cryopreserved at â˜80Â°C and â˜150Â°C. Medical Engineering and Physics, 2009, 31, 825-832.	1.7	21
177	Contribution of Rare and Common Genetic Variants to Plasma Lipid Levels and Carotid Stiffness and Geometry. Circulation: Cardiovascular Genetics, 2015, 8, 628-636.	5.1	21
178	Renal artery diameter, renal function and resistant hypertension in patients with low-to-moderate renal artery stenosis. Journal of Hypertension, 2012, 30, 600-607.	0.5	20
179	Role of myocardial collagen degradation and fibrosis in right ventricle dysfunction in transposition of the great arteries after atrial switch. International Journal of Cardiology, 2018, 258, 76-82.	1.7	20
180	Impaired baroreflex sensitivity, carotid stiffness, and exaggerated exercise blood pressure: a community-based analysis from the Paris Prospective Study III. European Heart Journal, 2018, 39, 599-606.	2.2	20

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