Arterial Stiffness and Cardiovascular Events

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Citation Report

#	Article	IF	Citations
1	European guidelines on cardiovascular disease prevention in clinical practice: executive summary: Fourth Joint Task Force of the European Society of Cardiology and Other Societies on Cardiovascular Disease Prevention in Clinical Practice (Constituted by representatives of nine societies and by invited) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.0	2,331
2	Clinical Implications of Non-Invasive Measurement of Central Aortic Blood Pressure. Current Vascular Pharmacology, 2010, 8, 747-752.	0.8	9
3	Pulse wave velocity and cardiovascular risk stratification in a general population: the Vobarno study. Journal of Hypertension, 2010, 28, 1935-1943.	0.3	32
4	Feasibility of Dual Doppler Velocity Measurements to Estimate Volume Pulsations of an Arterial Segment. Ultrasound in Medicine and Biology, 2010, 36, 1169-1175.	0.7	3
5	Physical and Mental Health of Homebound Older Adults: An Overlooked Population. Journal of the American Geriatrics Society, 2010, 58, 2423-2428.	1.3	208
6	Letter by O'Rourke et al Regarding Article, â€œArterial Stiffness and Cardiovascular Events: The Framingham Heart Studyâ€• Circulation, 2010, 122, e512; author reply e515.	1.6	8
7	Serum Ferritin Is Linked With Aortic Stiffness in Apparently Healthy Korean Women. Critical Pathways in Cardiology, 2010, 9, 160-163.	0.2	9
8	Response to Letters Regarding Article, â€œArterial Stiffness and Cardiovascular Events: The Framingham Heart Studyâ€• Circulation, 2010, 122, .	1.6	4
9	Relationship of arterial stiffness and early mild diastolic heart failure in general middle and aged population. European Heart Journal, 2010, 31, 2799-2807.	1.0	64
10	Aortic Augmentation Index and Aging: Mathematical Resolution of a Physiological Dilemma?. Hypertension, 2010, 56, e9-10.	1.3	16
11	Antihypertensive therapy and de-stiffening of the arteries. Expert Opinion on Pharmacotherapy, 2010, 11, 2625-2634.	0.9	14
12	Letter by Weber et al Regarding Article, â€œArterial Stiffness and Cardiovascular Events: The Framingham Heart Studyâ€• Circulation, 2010, 122, e513; author reply e515.	1.6	0
13	Association of Serum Cystatin C With Pulse Wave Velocity, But Not Pressure Wave Reflection, in Subjects With Normal Renal Function or Mild Chronic Kidney Disease. American Journal of Hypertension, 2010, 23, 967-973.	1.0	15
14	The five most cited NDT articles from 1999 to 2004. Nephrology Dialysis Transplantation, 2010, 25, 2818-2824.	0.4	1
15	Letter by Safar and Jankowski Regarding Article, â€œArterial Stiffness and Cardiovascular Events: The Framingham Heart Studyâ€• Circulation, 2010, 122, e514; author reply e515.	1.6	2
16	The Impact of Cardiovascular Risk Factors on Aortic Stiffness and Wave Reflections Depends on Age. Hypertension, 2010, 56, 591-597.	1.3	109
17	Prediction of Cardiovascular Events and All-Cause Mortality With Arterial Stiffness. Journal of the American College of Cardiology, 2010, 55, 1318-1327.	1.2	3,367
18	Hypertension 2010: what was new for the cardiologist?. Expert Opinion on Pharmacotherapy, 2010, 11, 2579-2597.	0.9	6

#	Article	IF	Citations
19	Central blood pressure measurementsâ€”an opportunity for efficacy and safety in drug development?. Journal of the American Society of Hypertension, 2010, 4, 211-214.	2.3	6
20	Pulse arrival time estimation from the impedance plethysmogram obtained with a handheld device. , 2011, 2011, 516-9.		6
21	Arterial Stiffness. High Blood Pressure and Cardiovascular Prevention, 2011, 18, 1-12.	1.0	34
22	Aortic Stiffness. Journal of the American College of Cardiology, 2011, 57, 1511-1522.	1.2	717
23	The Year in Atherothrombosis. Journal of the American College of Cardiology, 2011, 58, 779-791.	1.2	7
24	Age-Related Changes in Aortic Arch Geometry. Journal of the American College of Cardiology, 2011, 58, 1262-1270.	1.2	246
25	Aortic Pulse Wave Velocity Is Associated With Measures of Subclinical Target Organ Damage. JACC: Cardiovascular Imaging, 2011, 4, 754-761.	2.3	99
26	Mechanisms of mechanical signaling in development and disease. Journal of Cell Science, 2011, 124, 9-18.	1.2	398
27	Heart Disease and Stroke Statisticsâ€”2011 Update. Circulation, 2011, 123, e18-e209.	1.6	4,379
28	Pulse wave analysis and pulse wave velocity techniques: are they ready for the clinic?. Hypertension Research, 2011, 34, 166-169.	1.5	28
29	Re-engineering Steps Into Daily Life: A Critical Issue in Diabetes Management. Canadian Journal of Diabetes, 2011, 35, 245-246.	0.4	2
30	Relationship of neutrophilâ€“lymphocyte ratio with arterial stiffness and coronary calcium score. Clinica Chimica Acta, 2011, 412, 925-929.	0.5	101
31	Association of menopause and hormone replacement therapy with large artery remodeling. Fertility and Sterility, 2011, 96, 1445-1450.	0.5	23
33	Heart rate: a forgotten link in coronary artery disease?. Nature Reviews Cardiology, 2011, 8, 369-379.	6.1	73
34	Association of self-reported race/ethnicity and genetic ancestry with arterial elasticity: the Multi-Ethnic Study of Atherosclerosis (MESA). Journal of the American Society of Hypertension, 2011, 5, 463-472.	2.3	15
35	Aortic pulse wave velocity measured by pulse wave imaging (PWI): A comparison with applanation tonometry. Artery Research, 2011, 5, 65.	0.3	29
36	REGULATION OF ARTERIAL STIFFNESS: CELLULAR, MOLECULAR AND NEUROGENIC MECHANISMSâ˜†. Artery Research, 2011, 5, 122.	0.3	18
37	Arterial stiffness, pulse pressure, and cardiovascular diseaseâ€”Is it possible to break the vicious circle?. Atherosclerosis, 2011, 218, 263-271.	0.4	115

#	Article	IF	Citations
38	Large-artery stiffness: A reversible marker of cardiovascular risk in primary hyperparathyroidism. Atherosclerosis, 2011, 218, 96-101.	0.4	68
39	Heterozygous Familial Hypercholesterolaemic Patients have Increased Arterial Stiffness, as Determined using the Augmentation Index. Journal of Atherosclerosis and Thrombosis, 2011, 18, 1110-1116.	0.9	18
40	Cardiovascular Risk Assessment with Vascular Function, Carotid Atherosclerosis and the UKPDS Risk Engine in Korean Patients with Newly Diagnosed Type 2 Diabetes. Diabetes and Metabolism Journal, 2011, 35, 619.	1.8	12
41	Arterial stiffness, central hemodynamics, and cardiovascular risk in hypertension. Vascular Health and Risk Management, 2011, 7, 725.	1.0	86
42	Maternal Arterial Stiffness in Women Who Subsequently Develop Pre-Eclampsia. PLoS ONE, 2011, 6, e18703.	1.1	62
43	Vascular compliance in blood pressure. Current Opinion in Nephrology and Hypertension, 2011, 20, 457-464.	1.0	29
44	Central and 24-h blood pressure: dwarfs standing upon the shoulders of giants?. Journal of Hypertension, 2011, 29, 430-433.	0.3	8
45	How to treat arterial stiffness beyond blood pressure lowering?. Journal of Hypertension, 2011, 29, 1051-1053.	0.3	9
46	Cardiovascular consequences of extreme prematurity: the EPICure study. Journal of Hypertension, 2011, 29, 1367-1373.	0.3	50
47	Combined effects of office and 24-h blood pressure on aortic stiffness in human hypertension. Journal of Hypertension, 2011, 29, 869-875.	0.3	37
48	Pathophysiology of Atherosclerosis: The Role of Inflammation. Current Pharmaceutical Design, 2011, 17, 4089-4110.	0.9	96
49	Congestive heart failure with preserved ejection fraction is associated with severely impaired dynamic Starling mechanism. Journal of Applied Physiology, 2011, 110, 964-971.	1.2	34
50	Estimation of local pulse wave velocity using arterial diameter waveforms: Experimental validation in sheep. Journal of Physics: Conference Series, 2011, 332, 012010.	0.3	3
51	Developments in Imaging Technologies Related to Hypertensive Cardiovascular Diseases. Current Pharmaceutical Design, 2011, 17, 3081-3091.	0.9	4
52	Vascular Function Tests. Circulation Journal, 2011, 75, 1057-1058.	0.7	1
53	Low-Dose Rosuvastatin Improves Arterial Stiffness in High-Risk Japanese Patients With Dyslipdemia in a Primary Prevention Group - A Comparison With Fluvastatin -. Circulation Journal, 2011, 75, 2660-2667.	0.7	18
54	Prediction of Coronary Artery Disease Using Pulse Wave Velocity and Retinal Artery Lesions. Tohoku Journal of Experimental Medicine, 2011, 225, 17-22.	0.5	5
55	Nitrite supplementation reverses vascular endothelial dysfunction and large elastic artery stiffness with aging. Aging Cell, 2011, 10, 429-437.	3.0	180

#	Article	IF	Citations
56	Associations of endothelial dysfunction and arterial stiffness with intradialytic hypotension and hypertension. Hemodialysis International, 2011, 15, 350-358.	0.4	54
57	Coronary artery calcium scoring and its impact on the clinical practice in the era of multidetector CT. International Journal of Cardiovascular Imaging, 2011, 27, 9-25.	0.7	21
58	The Global Burden of Cardiovascular Disease: The Role of Endothelial Function and Arterial Elasticity in Cardiovascular Disease as Novel and Emerging Biomarkers. Current Cardiovascular Risk Reports, 2011, 5, 187-195.	0.8	6
59	Aortic stiffness, blood pressure and renal dysfunction. Internal and Emergency Medicine, 2011, 6, 111-114.	1.0	9
60	Is There a Role for Measuring Central Aortic Pressure?. Current Cardiology Reports, 2011, 13, 502-506.	1.3	5
61	Pulse wave velocity and carotid atherosclerosis in White and Latino patients with hypertension. BMC Cardiovascular Disorders, 2011, 11, 15.	0.7	20
62	Relationship between intima-media thickness of the common carotid artery and arterial stiffness in subjects with and without type 2 diabetes: a case-series report. Cardiovascular Diabetology, 2011, 10, 3.	2.7	39
63	Yearly evolution of organ damage markers in diabetes or metabolic syndrome: data from the LOD-DIABETES study. Cardiovascular Diabetology, 2011, 10, 90.	2.7	13
64	Doppler ultrasound in the measurement of pulse wave velocity: agreement with the Complior method. Cardiovascular Ultrasound, 2011, 9, 13.	0.5	89
65	Low pulse pressure with high pulsatile external left ventricular power: Influence of aortic waves. Journal of Biomechanics, 2011, 44, 2083-2089.	0.9	16
66	Arterial stiffness, pressure and flow pulsatility and brain structure and function: the Age, Gene/Environment Susceptibility â€“ Reykjavik Study. Brain, 2011, 134, 3398-3407.	3.7	713
67	Healthy lifestyle factors associated with reduced cardiometabolic risk. British Journal of Nutrition, 2011, 105, 747-754.	1.2	37
68	The assessment of vascular function during dietary intervention trials in human subjects. British Journal of Nutrition, 2011, 106, 981-994.	1.2	13
69	Assessing the Role of Circulating, Genetic, and Imaging Biomarkers in Cardiovascular Risk Prediction. Circulation, 2011, 123, 551-565.	1.6	248
70	Should preclinical vascular abnormalities be measured in asymptomatic adults to improve cardiovascular risk stratification?. Current Opinion in Lipidology, 2011, 22, 454-459.	1.2	3
71	Acute effects of firefighting on arterial stiffness and blood flow. Vascular Medicine, 2011, 16, 113-118.	0.8	59
72	Association of Small Artery Elasticity With Incident Cardiovascular Disease in Older Adults. American Journal of Epidemiology, 2011, 174, 528-536.	1.6	92
73	Aortic Stiffness and Central Wave Reflections Predict Outcome in Renal Transplant Recipients. Hypertension, 2011, 58, 833-838.	1.3	96

#	Article	IF	Citations
75	Arterial Stiffness, Its Assessment, Prognostic Value, and Implications for Treatment. American Journal of Hypertension, 2011, 24, 5-17.	1.0	148
77	Ethnic Differences in Aortic Pulse Wave Velocity Occur in the Descending Aorta and May Be Related to Vitamin D. Hypertension, 2011, 58, 247-253.	1.3	44
78	Risk Profile in Chronic Kidney Disease Stage 3: Older versus Younger Patients. Nephron Clinical Practice, 2011, 119, c269-c276.	2.3	23
79	Effects of cranberry juice consumption on vascular function in patients with coronary artery disease. American Journal of Clinical Nutrition, 2011, 93, 934-940.	2.2	220
81	Short-Term Exposure to Exogenous Lipids in Premature Infants and Long-Term Changes in Aortic and Cardiac Function. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2125-2135.	1.1	56
82	Blood Pressure and Vascular Alterations with Growth in Childhood. Current Pharmaceutical Design, 2011, 17, 3045-3061.	0.9	7
83	The combination of chronic kidney disease and increased arterial stiffness is a predictor for stroke and cardiovascular disease in hypertensive patients. Hypertension Research, 2011, 34, 1209-1215.	1.5	26
84	A new character on the scene of cardiorenal syndrome. Hypertension Research, 2011, 34, 996-996.	1.5	0
85	Pulse wave velocity in primary hyperparathyroidism and effect of surgical therapy. Hypertension Research, 2011, 34, 296-300.	1.5	42
86	Vascular Stiffness and Increased Pulse Pressure in the Aging Cardiovascular System. Cardiology Research and Practice, 2011, 2011, 1-8.	0.5	162
87	Validating a New Oscillometric Device for Aortic Pulse Wave Velocity Measurements in Children and Adolescents. American Journal of Hypertension, 2011, 24, 1294-1299.	1.0	84
88	Pulsatile Hemodynamics and Clinical Outcomes in Acute Heart Failure. American Journal of Hypertension, 2011, 24, 775-782.	1.0	39
89	Arterial Stiffness and Cognitive Decline in Well-Functioning Older Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2011, 66A, 1336-1342.	1.7	83
90	Circulation Editors' Picks. Circulation, 2012, 125, .	1.6	1
91	Impact of Arterial Stiffness on Adverse Cardiovascular Outcomes and Mortality in Peritoneal Dialysis Patients. Peritoneal Dialysis International, 2012, 32, 73-80.	1.1	26
92	Measurement of Central Aortic Pulse Pressure: Noninvasive Brachial Cuff-Based Estimation by a Transfer Function Vs. a Novel Pulse Wave Analysis Method. American Journal of Hypertension, 2012, 25, 1162-1169.	1.0	27
93	Electromechanical and structural alterations in the aging rabbit heart and aorta. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 302, H1625-H1635.	1.5	28
94	Prediction of Cardiovascular Events and All-Cause Mortality With Brachial-Ankle Elasticity Index. Hypertension, 2012, 60, 556-562.	1.3	357

#	Article	IF	Citations
95	Relationship Between Short-Term Blood Pressure Variability and Large-Artery Stiffness in Human Hypertension. Hypertension, 2012, 60, 369-377.	1.3	236
96	Peripheral endothelial function and arterial stiffness in women with migraine with aura: a case-control study. Cephalalgia, 2012, 32, 459-466.	1.8	35
97	Methods for assessing arterial stiffness. Current Opinion in Nephrology and Hypertension, 2012, 21, 655-660.	1.0	57
98	Effects of Antihypertensive Drugs on Arterial Stiffness. Cardiology in Review, 2012, 20, 259-263.	0.6	119
99	Serum myostatin levels are negatively associated with abdominal aortic calcification in older men: the STRAMBO study. European Journal of Endocrinology, 2012, 167, 873-880.	1.9	15
100	Circulating Vascular Growth Factors and Central Hemodynamic Load in the Community. Hypertension, 2012, 59, 773-779.	1.3	34
101	Prognostic significance of the brachialâ€“ankle pulse wave velocity in patients with essential hypertension: final results of the J-TOPP study. Hypertension Research, 2012, 35, 839-842.	1.5	80
102	Validated methods for assessment of subclinical atherosclerosis in rheumatology. Nature Reviews Rheumatology, 2012, 8, 224-234.	3.5	118
103	Excessive wave reflections on admission predict postâ€discharge events in patients hospitalized due to acute heart failure. European Journal of Heart Failure, 2012, 14, 1348-1355.	2.9	26
104	Changes in Aortic Pulse Wave Velocity of Patients Undergoing Endovascular Repair of Abdominal Aortic Aneurysms. Journal of Endovascular Therapy, 2012, 19, 661-666.	0.8	51
105	Aerobic physical exercise and arterial de-stiffening: a recipe for vascular rejuvenation?. Hypertension Research, 2012, 35, 964-966.	1.5	8
106	The association between aortic augmentation index and cardiovascular risk factors in a large unselected population. Journal of Human Hypertension, 2012, 26, 476-484.	1.0	44
107	Assessment of arterial stiffness from ambulatory blood pressure monitoring in children with diabetes mellitus type-1 (DMT1). Journal of Human Hypertension, 2012, 26, 357-364.	1.0	22
108	Does aortic stiffness improve the prediction of coronary heart disease in elderly? The Rotterdam Study. Journal of Human Hypertension, 2012, 26, 28-34.	1.0	30
109	Higher anthocyanin intake is associated with lower arterial stiffness and central blood pressure in women. American Journal of Clinical Nutrition, 2012, 96, 781-788.	2.2	219
110	Common Genetic Variation in the 3â€²- BCL11B Gene Desert Is Associated With Carotid-Femoral Pulse Wave Velocity and Excess Cardiovascular Disease Risk. Circulation: Cardiovascular Genetics, 2012, 5, 81-90.	5.1	90
111	Ankleâ€“Brachial Index as an Indicator of Arterial Stiffness in Patients Without Peripheral Artery Disease. Angiology, 2012, 63, 150-154.	0.8	30
112	Arterial Stiffness as Surrogate End Point. Hypertension, 2012, 60, 518-522.	1.3	100

#	Article	IF	Citations
113	Mitochondrial Oxidative Stress in Aortic Stiffening With Age. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 745-755.	1.1	107
115	Relations of Exercise Blood Pressure Response to Cardiovascular Risk Factors and Vascular Function in the Framingham Heart Study. Circulation, 2012, 125, 2836-2843.	1.6	148
116	Preclinical and Clinical Effects of RAS Inhibition with a Focus on Telmisartan. ISRN Vascular Medicine, 2012, 2012, 1-11.	0.7	2
117	Inflammation, Diabetes, and Chronic Kidney Disease: Role of Aerobic Capacity. Experimental Diabetes Research, 2012, 2012, 1-6.	3.8	13
118	Aortic Stiffness, Blood Pressure Progression, and Incident Hypertension. JAMA - Journal of the American Medical Association, 2012, 308, 875.	3.8	828
119	Aortic Function: From the Research Laboratory to the Clinic. Cardiology, 2012, 121, 31-42.	0.6	28
120	Association between Arterial Elasticity Indices and Coronary Artery Calcium in a Healthy Multi-Ethnic Cohort. Cardiology, 2012, 123, 24-30.	0.6	4
121	Endothelial (DYS)Function. Journal of Hypertension, 2012, 30, 1321-1324.	0.3	1
122	How Drugs Influencing Central Blood Pressure Prevent Atherosclerosis Complications?. Current Pharmaceutical Biotechnology, 2012, 13, 2449-2455.	0.9	1
123	Central Blood Pressure and Prediction of Cardiovascular Events. Current Hypertension Reviews, 2012, 8, 108-113.	0.5	7
124	Clinical Assessment of Central Blood Pressure. Current Hypertension Reviews, 2012, 8, 80-90.	0.5	68
125	Association between risk factors and left ventricular remodeling in middle-aged and aged population. Journal of Hypertension, 2012, 30, 1862-1873.	0.3	6
126	The change in arterial stiffness over the cardiac cycle rather than diastolic stiffness is independently associated with left ventricular mass index in healthy middle-aged individuals. Journal of Hypertension, 2012, 30, 396-402.	0.3	33
127	A complex pattern of agreement between oscillometric and tonometric measurement of arterial stiffness in a population-based sample. Journal of Hypertension, 2012, 30, 1444-1452.	0.3	9
128	The association between preeclampsia and arterial stiffness. Journal of Hypertension, 2012, 30, 17-33.	0.3	152
129	Defining vascular aging and cardiovascular risk. Journal of Hypertension, 2012, 30, S3-S8.	0.3	112
130	Progress towards identifying biomarkers of vascular aging for total cardiovascular risk prediction. Journal of Hypertension, 2012, 30, S19-S26.	0.3	23
131	Association of central and peripheral pulse pressure with intermediate cardiovascular phenotypes. Journal of Hypertension, 2012, 30, 67-74.	0.3	36

#	Article	IF	Citations
132	Systolic and diastolic pulse wave velocity. Journal of Hypertension, 2012, 30, 273-274.	0.3	1
133	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.	0.3	1,440
134	Brachial artery tonometry and the Popeye phenomenon. Journal of Hypertension, 2012, 30, 1540-1551.	0.3	44
135	Evaluation of Newer Risk Markers for Coronary Heart Disease Risk Classification. Annals of Internal Medicine, 2012, 156, 438.	2.0	330
136	Altered Central Aortic Elastic Properties in Kawasaki Disease are Related to Changes in Left Ventricular Geometry and Coronary Artery Aneurysm Formation. Journal of the American Society of Echocardiography, 2012, 25, 690-696.	1.2	20
137	Heart-rate reduction by If-channel inhibition with ivabradine restores collateral artery growth in hypercholesterolemic atherosclerosis. European Heart Journal, 2012, 33, 1223-1231.	1.0	59
138	On the Estimation of Total Arterial Compliance from Aortic Pulse Wave Velocity. Annals of Biomedical Engineering, 2012, 40, 2619-2626.	1.3	30
140	Effect of age, gender and cardiovascular risk factors on carotid distensibility during 6-year follow-up. The cardiovascular risk in Young Finns study. Atherosclerosis, 2012, 224, 474-479.	0.4	33
141	European Guidelines on cardiovascular disease prevention in clinical practice (version 2012). Atherosclerosis, 2012, 223, 1-68.	0.4	414
142	Cardiovascular Protection by ApoE and ApoE-HDL Linked to Suppression of ECM Gene Expression and Arterial Stiffening. Cell Reports, 2012, 2, 1259-1271.	2.9	159
143	Impact of country of birth on arterial function in subjects living in France. Journal of the American Society of Hypertension, 2012, 6, 405-413.	2.3	7
144	Molecular mechanisms of arterial stiffness: new insights. Journal of the American Society of Hypertension, 2012, 6, 436-438.	2.3	45
145	Parameters of Arterial Stiffness: Hypertensive and Diabetic Patients vs Controls. Revista Espanola De Cardiologia (English Ed), 2012, 65, 384-387.	0.4	0
146	Relationship of Central and Peripheral Blood Pressure to Left Ventricular Mass in Hypertensive Patients. Revista Espanola De Cardiologia (English Ed), 2012, 65, 1094-1100.	0.4	5
147	Arterial stiffness and novel biomarkers in patients with abdominal aortic aneurysms. Regulatory Peptides, 2012, 179, 50-54.	1.9	52
148	Increased Arterial Wave Reflection Magnitude. Journal of the American College of Cardiology, 2012, 60, 2178-2181.	1.2	30
149	Arterial Wave Reflections and Incident Cardiovascular Events and Heart Failure. Journal of the American College of Cardiology, 2012, 60, 2170-2177.	1.2	373
150	RelaciÃ³n entre la presiÃ³n arterial central y perifÃ©rica con la masa ventricular izquierda en hipertensos. Revista Espanola De Cardiologia, 2012, 65, 1094-1100.	0.6	10

#	Article	IF	Citations
151	Arterial stiffness. JRSM Cardiovascular Disease, 2012, 1, 1-8.	0.4	95
152	European Guidelines on cardiovascular disease prevention in clinical practice (version 2012): The Fifth Joint Task Force of the European Society of Cardiology and Other Societies on Cardiovascular Disease Prevention in Clinical Practice (constituted by representatives of nine societies and by invited experts) * Developed with the special contribution of the European Association for Cardiovascular Prevention & Rehabilitation (EACPR). European Heart Journal, 2012, 33, 1635-1701.	1.0	5,247
153	Aortic stiffness as a tissue biomarker for predicting future cardiovascular events in asymptomatic hypertensive subjects. Annals of Medicine, 2012, 44, S93-S97.	1.5	87
154	On time interval measurements using BCG. , 2012, 2012, 5034-7.		6
155	European Guidelines on cardiovascular disease prevention in clinical practice (version 2012). European Journal of Preventive Cardiology, 2012, 19, 585-667.	0.8	359
156	ParÃ¡metros de rigidez arterial en sujetos hipertensos y diabÃ©ticos comparados con controles. Revista Espanola De Cardiologia, 2012, 65, 384-387.	0.6	0
157	Assessment of differences between repeated pulse wave velocity measurements in terms of â€˜biasâ€™ in the extrapolated cardiovascular risk and the classification of aortic stiffness: Is a single PWV measurement enough?. Journal of Human Hypertension, 2012, 26, 594-602.	1.0	35
158	Lipids in biocalcification: contrasts and similarities between intimal and medial vascular calcification and bone by NMR. Journal of Lipid Research, 2012, 53, 1569-1575.	2.0	30
159	Superoxideâ€lowering therapy with TEMPOL reverses arterial dysfunction with aging in mice. Aging Cell, 2012, 11, 269-276.	3.0	111
160	Usefulness of hemoglobin A1c as a criterion of dysglycemia in the definition of metabolic syndrome in Koreans. Diabetes Research and Clinical Practice, 2012, 95, 333-339.	1.1	9
161	The association between in utero hyperinsulinemia and adolescent arterial stiffness. Diabetes Research and Clinical Practice, 2012, 95, 169-175.	1.1	25
162	Vascular health in the ageing athlete. Experimental Physiology, 2012, 97, 305-310.	0.9	38
163	Associations among different functional and structural arterial wall properties and their relations to traditional cardiovascular risk factors in healthy subjects: a cross-sectional study. BMC Cardiovascular Disorders, 2012, 12, 29.	0.7	16
164	Assessment of central haemomodynamics from a brachial cuff in a community setting. BMC Cardiovascular Disorders, 2012, 12, 48.	0.7	46
165	Prognostic implications of surrogate markers of atherosclerosis in low to intermediate risk patients with Type 2 Diabetes. Cardiovascular Diabetology, 2012, 11, 101.	2.7	42
166	Impact of ADMA, endothelial progenitor cells and traditional cardiovascular risk factors on pulse wave velocity among prediabetic individuals. Cardiovascular Diabetology, 2012, 11, 141.	2.7	14
167	Normal values of aortic dimensions, distensibility, and pulse wave velocity in children and young adults: a cross-sectional study. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 41.	1.6	158
168	Associations Between Trunk, Leg and Total Body Adiposity with Arterial Stiffness. American Journal of Hypertension, 2012, 25, 1131-1137.	1.0	41

#	Article	IF	Citations
169	Arterial stiffness: using simple surrogate measures to make sense of a biologically complex phenomenon. Hypertension Research, 2012, 35, 155-156.	1.5	6
170	Large Artery Stiffening and Remodeling Are Independently Associated With All-Cause Mortality and Cardiovascular Events in Chronic Kidney Disease. Hypertension, 2012, 60, 1451-1457.	1.3	161
171	Arterial Stiffness/Elasticity in the Contribution to Progression of Heart Failure. Heart Failure Clinics, 2012, 8, 135-141.	1.0	21
172	Role of Antihypertensive Drugs in Arterial â€˜De-Stiffeningâ€™ and Central Pulsatile Hemodynamics. American Journal of Cardiovascular Drugs, 2012, 12, 143-156.	1.0	49
173	Coronary Calcification and the Risk of Heart Failure in the Elderly. JACC: Cardiovascular Imaging, 2012, 5, 874-880.	2.3	61
174	Medida de la presiÃ³n arterial central. InvestigaciÃ³n o prÃ¡ctica clÃ¡nica. Hipertension Y Riesgo Vascular, 2012, 29, 2-6.	0.3	2
175	The Effect of Tumor Necrosis Factor-Î± Antagonists on Arterial Stiffness in Rheumatoid Arthritis: A Literature Review. Seminars in Arthritis and Rheumatism, 2012, 42, 1-8.	1.6	42
176	European Guidelines on Cardiovascular Disease Prevention in Clinical Practice (Version 2012). International Journal of Behavioral Medicine, 2012, 19, 403-488.	0.8	224
177	GuÃa europea sobre prevenciÃ³n de la enfermedad cardiovascular en la prÃ¡ctica clÃ¡nica (versiÃ³n 2012). Revista Espanola De Cardiologia, 2012, 65, 937.e1-937.e66.	0.6	30
178	Anthropomorphic Measurements That Include Central Fat Distribution Are More Closely Related with Key Risk Factors than BMI in CKD Stage 3. PLoS ONE, 2012, 7, e34699.	1.1	62
179	Determinants of Aortic Stiffness: 16-Year Follow-Up of the Whitehall II Study. PLoS ONE, 2012, 7, e37165.	1.1	78
180	Hemoglobin A1c Levels and Aortic Arterial Stiffness: The Cardiometabolic Risk in Chinese (CRC) Study. PLoS ONE, 2012, 7, e38485.	1.1	39
181	Mechanisms of arterial remodeling: lessons from genetic diseases. Frontiers in Genetics, 2012, 3, 290.	1.1	122
182	Pulse Pressure and Target Organ Damage. , 0, , .		0
183	Terapia antirretroviral altamente eficaz para infecÃ§Ã£o pelo vÃrus da imunodeficiÃªncia humana aumenta a rigidez aÃ³rtica. Arquivos Brasileiros De Cardiologia, 2012, 99, 1100-1107.	0.3	18
184	The Effects of Smoking on the Relationship Between Metabolic Syndrome and Arterial Stiffness. Journal of UOEH, 2012, 34, 151-161.	0.3	1
185	Aortic function quantified: the heart's essential cushion. Journal of Applied Physiology, 2012, 113, 1285-1291.	1.2	16
186	Ultrasonography and Tonometry for the Assessment of Human Arterial Stiffness. , 2012, , .		2

#	Article	IF	Citations
187	Heart Disease and Stroke Statisticsâ€"2012 Update. Circulation, 2012, 125, e2-e220.	1.6	4,096
188	Tetrahydrobiopterin Supplementation Enhances Carotid Artery Compliance in Healthy Older Men: A Pilot Study. American Journal of Hypertension, 2012, 25, 1050-1054.	1.0	22
189	Alagebrium in combination with exercise ameliorates age-associated ventricular and vascular stiffness. Experimental Gerontology, 2012, 47, 565-572.	1.2	41
190	Sodium nitrite de-stiffening of large elastic arteries with aging: Role of normalization of advanced glycation end-products. Experimental Gerontology, 2012, 47, 588-594.	1.2	71
191	Lactation and maternal subclinical cardiovascular disease among premenopausal women. American Journal of Obstetrics and Gynecology, 2012, 207, 46.e1-46.e8.	0.7	54
192	Noninvasive Studies of Central Aortic Pressure. Current Hypertension Reports, 2012, 14, 8-20.	1.5	50
193	Adverse systemic arterial function in patients with selenium deficiency. Journal of Nutrition, Health and Aging, 2012, 16, 85-88.	1.5	23
194	Serum osteocalcin levels are inversely associated with abdominal aortic calcification in men with type 2 diabetes mellitus. Osteoporosis International, 2013, 24, 2223-2230.	1.3	31
195	The autophagy enhancer spermidine reverses arterial aging. Mechanisms of Ageing and Development, 2013, 134, 314-320.	2.2	164
196	Hypertension and Vascular Dynamics in Men and Women With Metabolic Syndrome. Journal of the American College of Cardiology, 2013, 61, 12-19.	1.2	104
197	Relationship between postprandial glucose level and carotid artery stiffness in patients without diabetes or cardiovascular disease. BMC Cardiovascular Disorders, 2013, 13, 11.	0.7	11
198	Association of subclinical myocardial injury with arterial stiffness in patients with type 2 diabetes mellitus. Cardiovascular Diabetology, 2013, 12, 94.	2.7	40
199	Prognostic Impact of Aortic Stiffness in High-Risk Type 2 Diabetic Patients. Diabetes Care, 2013, 36, 3772-3778.	4.3	93
200	Evaluation of arterial stiffness and hemodynamics by oscillometric method in patients with systemic sclerosis. Wiener Klinische Wochenschrift, 2013, 125, 461-466.	1.0	7
201	Chlorthalidone: Mechanisms of Action and Effect on Cardiovascular Events. Current Hypertension Reports, 2013, 15, 514-521.	1.5	27
202	Arterial Stiffness and Cardiovascular Events in Hypertensives. Current Cardiovascular Risk Reports, 2013, 7, 238-243.	0.8	0
203	Association of atherosclerosis in the descending thoracic aorta with coronary artery disease on multi detector row computed tomography coronary angiography in patients with suspected coronary artery disease. International Journal of Cardiovascular Imaging, 2013, 29, 1829-1837.	0.7	11
204	Aortic distensibility and its relationship to coronary and thoracic atherosclerosis plaque and morphology by MDCT: Insights from the ROMICAT Trial. International Journal of Cardiology, 2013, 167, 1616-1621.	0.8	15

#	Article	IF	Citations
205	Impact of country of birth on progression of steady and pulsatile hemodynamic parameters in normotensive and hypertensive subjects. Journal of the American Society of Hypertension, 2013, 7, 440-447.	2.3	6
206	Improvement in arterial stiffness following cardiac rehabilitation. International Journal of Cardiology, 2013, 167, 2734-2738.	0.8	23
208	Relationship Between Interâ€Arm Difference in Systolic Blood Pressure and Arterial Stiffness in Communityâ€Dwelling Older Adults. Journal of Clinical Hypertension, 2013, 15, 880-887.	1.0	59
209	Cardiovascular Risk Factors Are Associated With Increased Arterial Stiffness in Youth With Type 1 Diabetes. Diabetes Care, 2013, 36, 3938-3943.	4.3	64
210	Carotid Endarterectomy Improves Peripheral but not Central Arterial Stiffness. European Journal of Vascular and Endovascular Surgery, 2013, 45, 548-553.	0.8	10
211	Impaired renal function impacts negatively on vascular stiffness in patients with coronary artery disease. BMC Nephrology, 2013, 14, 173.	0.8	14
212	Plasma levels of the arterial wall protein fibulin-1 are associated with carotid-femoral pulse wave velocity: a cross-sectional study. Cardiovascular Diabetology, 2013, 12, 107.	2.7	13
213	Effects of erythritol on endothelial function in patients with type 2 diabetes mellitus: a pilot study. Acta Diabetologica, 2014, 51, 513-6.	1.2	24
214	Cardiovascular Risk, Myocardial Injury, and Exacerbations of Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 1091-1099.	2.5	134
215	From tissue mechanics to transcription factors. Differentiation, 2013, 86, 112-120.	1.0	131
216	ABCA1-dependent serum cholesterol efflux capacity inversely correlates with pulse wave velocity in healthy subjects. Journal of Lipid Research, 2013, 54, 238-243.	2.0	33
217	Heart Disease and Stroke Statisticsâ€”2013 Update. Circulation, 2013, 127, e6-e245.	1.6	4,387
218	The Special Problem of Isolated Systolic Hypertension. , 2013, , 126-134.		0
219	Assessment of Hypertensive Target Organ Damage. , 2013, , 135-143.		0
220	Cardiometabolic health of children conceived by assisted reproductive technologies. Fertility and Sterility, 2013, 99, 318-326.e4.	0.5	35
221	Association between endothelial NO synthase polymorphism (rs3918226) and arterial properties. Artery Research, 2013, 7, 54.	0.3	2
223	Analysis of arterial function in adults with a history of Kawasaki disease. Journal of Cardiology, 2013, 61, 330-335.	0.8	18
225	Central hemodynamic modifications in diabetes mellitus. Atherosclerosis, 2013, 230, 315-321.	0.4	39

#	Article	IF	Citations
226	Measurement accuracy of non-invasively obtained central blood pressure by applanation tonometry: A systematic review and meta-analysis. International Journal of Cardiology, 2013, 167, 1867-1876.	0.8	101
227	Dietary Sodium Restriction Reverses Vascular Endothelial Dysfunction in Middle-Aged/Older Adults With Moderately Elevated Systolic Blood Pressure. Journal of the American College of Cardiology, 2013, 61, 335-343.	1.2	126
228	GuÃa de prÃ¡ctica clÃnica de la ESH/ESC para el manejo de la hipertensiÃ³n arterial (2013). Revista Espanola De Cardiologia, 2013, 66, 880.e1-880.e64.	0.6	24
229	Curcumin ameliorates arterial dysfunction and oxidative stress with aging. Experimental Gerontology, 2013, 48, 269-276.	1.2	116
230	Central hemodynamics and arterial stiffness during the finals of the world cup soccer championship 2010. International Journal of Cardiology, 2013, 166, 627-632.	0.8	12
231	Vascular and platelet responses to aspirin in patients with coronary artery disease. European Journal of Clinical Investigation, 2013, 43, 91-99.	1.7	13
232	The association between arterial stiffness and left ventricular filling pressure in an apparently healthy Korean population. Cardiovascular Ultrasound, 2013, 11, 2.	0.5	35
233	Differences in arterial stiffness at rest and after acute exercise between young men and women. Hypertension Research, 2013, 36, 226-231.	1.5	59
234	Inflammation does not influence arterial stiffness and pulse-wave velocity in patients with coronary artery disease. Journal of Human Hypertension, 2013, 27, 629-634.	1.0	8
235	Central blood pressure in the management of hypertension: soon reaching the goal?. Journal of Human Hypertension, 2013, 27, 405-411.	1.0	62
236	Numerical modeling of arterial pulse wave propagation to characterize aortic hemodynamic: Validation using magnetic resonance data. Irbm, 2013, 34, 86-89.	3.7	5
237	Life-long caloric restriction reduces oxidative stress and preserves nitric oxide bioavailability and function in arteries of old mice. Aging Cell, 2013, 12, 772-783.	3.0	146
238	2013 ESH/ESC Guidelines for the management of arterial hypertension. Blood Pressure, 2013, 22, 193-278.	0.7	355
239	Effects of continuous positive airway pressure (CPAP) treatment for obstructive sleep apnea in arterial stiffness: A meta-analysis. Sleep Medicine Reviews, 2013, 17, 19-28.	3.8	60
240	Arterial health is related to obstructive sleep apnea severity and improves with CPAP treatment. Sleep Medicine Reviews, 2013, 17, 3-5.	3.8	10
241	2013 ESH/ESC Guidelines for the management of arterial hypertension. European Heart Journal, 2013, 34, 2159-2219.	1.0	5,681
242	Hypertension in Elderly Diabetic Subjects. Current Cardiovascular Risk Reports, 2013, 7, 315-317.	0.8	0
243	Left ventricular ejection time, not heart rate, is an independent correlate of aortic pulse wave velocity. Journal of Applied Physiology, 2013, 115, 1610-1617.	1.2	51

#	Article	IF	Citations
244	Association between urinary albumin excretion and both central and peripheral blood pressure in subjects with insulin resistance. Journal of Hypertension, 2013, 31, 103-108.	0.3	18
245	Cranberries and Their Bioactive Constituents in Human Health. Advances in Nutrition, 2013, 4, 618-632.	2.9	233
246	Increased tissue transglutaminase activity contributes to central vascular stiffness in eNOS knockout mice. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 305, H803-H810.	1.5	61
247	Local Arterial Stiffening Assessed by MRI Precedes Atherosclerotic Plaque Formation. Circulation: Cardiovascular Imaging, 2013, 6, 916-923.	1.3	46
248	Functional and Metabolic Imaging of the Cardiovascular System in Young Healthy South Asians and Caucasians Unveils Early Differences. Diabetes Care, 2013, 36, e178-e179.	4.3	3
249	Aortic pulse wave velocity and reflecting distance estimation from peripheral waveforms in humans: detection of age- and exercise training-related differences. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 305, H135-H142.	1.5	17
250	Relations of arterial stiffness and endothelial function to brain aging in the community. Neurology, 2013, 81, 984-991.	1.5	213
251	Validation of a novel and existing algorithms for the estimation of pulse transit time: advancing the accuracy in pulse wave velocity measurement. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 304, H1558-H1567.	1.5	52
252	AECOPD: Acute Exacerbations of Chronic Obstructive Cardiopulmonary Disease?. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 1046-1048.	2.5	9
253	A magnetic resonance perspective of the pulse wave transit time by the Arteriograph device and potential for improving aortic length estimation for central pulse wave velocity. Blood Pressure Monitoring, 2013, 18, 111-118.	0.4	21
254	Measures of carotidâ€“femoral pulse wave velocity and augmentation index are not reliable in patients with abdominal aortic aneurysm. Journal of Hypertension, 2013, 31, 1853-1860.	0.3	31
255	Early vascular ageing in translation. Journal of Hypertension, 2013, 31, 1517-1526.	0.3	184
256	Determination of central blood pressure by a noninvasive method (brachial blood pressure and QKD) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.3	9
257	2013 ESH/ESC Guidelines for the management of arterial hypertension. Journal of Hypertension, 2013, 31, 1281-1357.	0.3	4,251
258	Predictive Value of Brachial-Ankle Pulse Wave Velocity for Cardiovascular Events. American Journal of the Medical Sciences, 2013, 346, 92-97.	0.4	26
259	Polymerase Delta Interacting Protein 2 Sustains Vascular Structure and Function. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 2154-2161.	1.1	58
260	Age-dependent changes in elastic properties of thoracic aorta evaluated by magnetic resonance in normal subjects. Interactive Cardiovascular and Thoracic Surgery, 2013, 17, 674-679.	0.5	23
261	Effect of probe contact pressure on the photoplethysmographic assessment of conduit artery stiffness. Journal of Biomedical Optics, 2013, 18, 027004.	1.4	35

#	Article	IF	Citations
262	Arterial Stiffness as an Imaging Biomarker. Hypertension, 2013, 62, 10-12.	1.3	27
263	Dietary Sodium Restriction and Association with Urinary Marinobufagenin, Blood Pressure, and Aortic Stiffness. Clinical Journal of the American Society of Nephrology: CJASN, 2013, 8, 1952-1959.	2.2	63
264	Comparison Study of Central Blood Pressure and Wave Reflection Obtained From Tonometry-Based Devices. American Journal of Hypertension, 2013, 26, 34-41.	1.0	9
265	High aortic augmentation index predicts mortality and cardiovascular events in men from a general population, but not in women. European Journal of Preventive Cardiology, 2013, 20, 1005-1012.	0.8	47
266	Ambulatory arterial stiffness index: Is there an additional value to characterize cardiovascular risk in children with kidney transplant?. Pediatric Transplantation, 2013, 17, 595-597.	0.5	2
267	Carotid-Femoral Pulse Wave Velocity Is Associated With Cerebral White Matter Lesions in Type 2 Diabetes. Diabetes Care, 2013, 36, 722-728.	4.3	49
268	Abdominal Obesity is Associated With a Lower Ankleâ€“Brachial Index in Women With Polycystic Ovary Syndrome. Angiology, 2013, 64, 105-111.	0.8	4
269	Mitral Annular Calcification Is Associated with Pulse Wave Velocity but Not with Augmentation Index. Medical Principles and Practice, 2013, 22, 150-155.	1.1	3
270	Aortic stiffness and cardiovascular risk in type 2 diabetes. Journal of Hypertension, 2013, 31, 1584-1592.	0.3	51
271	White Coat Hypertension Is More Risky Than Prehypertension. Hypertension, 2013, 61, 1346-1353.	1.3	75
272	Performance of the Framingham Risk Score in patients receiving hemodialysis. Nephrology, 2013, 18, 510-515.	0.7	12
273	Reciprocal relationship between plasma ghrelin level and arterial stiffness in hypertensive subjects. Clinical and Experimental Pharmacology and Physiology, 2013, 40, 735-739.	0.9	5
274	The Relation of Aortic Stiffness and Inâ€Stent Restenosis in Patients Undergoing Percutaneous Coronary Stenting. Echocardiography, 2013, 30, 582-587.	0.3	5
275	Translational physiology: from molecules to public health. Journal of Physiology, 2013, 591, 3457-3469.	1.3	28
276	Arterial Stiffening Precedes Systolic Hypertension in Diet-Induced Obesity. Hypertension, 2013, 62, 1105-1110.	1.3	264
277	Intake and time dependence of blueberry flavonoidâ€“induced improvements in vascular function: a randomized, controlled, double-blind, crossover intervention study with mechanistic insights into biological activity. American Journal of Clinical Nutrition, 2013, 98, 1179-1191.	2.2	277
278	Arterial Stiffness From Monitoring of Timing of Korotkoff Sounds Predicts the Occurrence of Cardiovascular Events Independently of Left Ventricular Mass in Hypertensive Patients. Hypertension, 2013, 62, 161-167.	1.3	22
279	Vasoconstrictor-induced endocytic recycling regulates focal adhesion protein localization and function in vascular smooth muscle. American Journal of Physiology - Cell Physiology, 2013, 305, C215-C227.	2.1	19

#	Article	IF	Citations
280	Arterial stiffness changes in patients with cardiovascular risk factors but normal carotid intimaâ€“media thickness. Journal of Cardiovascular Medicine, 2013, 14, 622-628.	0.6	13
281	Hemodynamic alterations in hypertensive patients at rest and during passive head-up tilt. Journal of Hypertension, 2013, 31, 906-915.	0.3	34
282	Aortic pulse wave velocity results depend on which carotid artery is used for the measurements. Journal of Hypertension, 2013, 31, 117-122.	0.3	12
283	Characteristics of pulse wave velocity in elastic and muscular arteries. Journal of Hypertension, 2013, 31, 554-559.	0.3	54
284	Elderly Algerian women lose their sex-advantage in terms of arterial stiffness and cardiovascular profile. Journal of Hypertension, 2013, 31, 2244-2250.	0.3	3
285	Methodological aspects in the measurement of pulse wave velocity by means of applanation tonometry. Journal of Hypertension, 2013, 31, 35-38.	0.3	8
286	Carotid-femoral pulse wave velocity assessment using novel cuff-based techniques. Journal of Hypertension, 2013, 31, 2237-2243.	0.3	77
287	Arterial Stiffness, Kidney Function, and Chronic Kidney Disease Progression. Pulse, 2013, 1, 123-130.	0.9	14
288	Investigation on Cardiovascular Risk Prediction Using Physiological Parameters. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-21.	0.7	30
289	Measurement of the Aortic Diameter in the Asymptomatic Korean Population: Assessment with Multidetector CT. Journal of the Korean Society of Radiology, 2013, 69, 105.	0.1	7
290	The Impact of Blood Pressure on Carotid Artery Stiffness and Wave Intensity in Patients with Resistant Hypertension after Renal Sympathetic Denervation. Journal of Hypertension: Open Access, 2013, 03, .	0.2	0
291	Arterial Ageing. Korean Circulation Journal, 2013, 43, 73.	0.7	42
292	Association Between Erectile Dysfunction and Asymptomatic Cardiovascular Damage in Middle-Aged Men. Medicina (Lithuania), 2013, 49, 80.	0.8	1
293	Comparison of Utility of Arterial Stiffness Parameters for Predicting Cardiovascular Events in the General Population. International Heart Journal, 2013, 54, 160-165.	0.5	26
294	Increased Rate of Arterial Stiffening with Obesity in Adolescents: A Five-Year Follow-Up Study. PLoS ONE, 2013, 8, e57454.	1.1	51
295	The Brachial Ankle Pulse Wave Velocity is Associated with the Presence of Significant Coronary Artery Disease but Not the Extent. Korean Circulation Journal, 2013, 43, 239.	0.7	12
296	Arterial Stiffness and Pulse Wave Reflection Are Increased in Patients Suffering from Severe Periodontitis. PLoS ONE, 2014, 9, e103449.	1.1	22
297	Detection of Subclinical Atherosclerosis in Asymptomatic Subjects Using Ultrasound Radiofrequency-Tracking Technology. PLoS ONE, 2014, 9, e111926.	1.1	6

#	Article	IF	Citations
298	Oxidative Status Imbalance in Patients with Metabolic Syndrome: Role of the Myeloperoxidase/Hydrogen Peroxide Axis. Oxidative Medicine and Cellular Longevity, 2014, 2014, 1-14.	1.9	16
299	Translational Geroscience: Emphasizing function to achieve optimal longevity. Aging, 2014, 6, 718-730.	1.4	65
300	Validation of the integration of technology that measures additional “vascular” indices into an ambulatory blood pressure monitoring system. Medical Devices: Evidence and Research, 2014, 7, 91.	0.4	17
301	A simple method for the assessment of arterial stiffness in pre-eclamptic patients. Clinical and Experimental Hypertension, 2014, 36, 531-537.	0.5	15
302	Edward F. Adolph Distinguished Lecture: The remarkable anti-aging effects of aerobic exercise on systemic arteries. Journal of Applied Physiology, 2014, 117, 425-439.	1.2	93
303	Aerobic exercise and other healthy lifestyle factors that influence vascular aging. American Journal of Physiology - Advances in Physiology Education, 2014, 38, 296-307.	0.8	100
304	Differential Effects of Stent-Graft Fabrics on Arterial Stiffness in Patients Undergoing Endovascular Aneurysm Repair. Journal of Endovascular Therapy, 2014, 21, 850-858.	0.8	62
305	Aortic pulse wave velocity and its relationship with complexity of coronary artery disease based on SYNTAX score. Heart Asia, 2014, 6, 109-115.	1.1	7
306	Central pulse pressure in patients with chronic kidney disease and in renal transplant recipients. Journal of Human Hypertension, 2014, 28, 180-185.	1.0	5
307	Genetic impact dominates over environmental effects in development of carotid artery stiffness: a twin study. Hypertension Research, 2014, 37, 88-93.	1.5	4
308	The use of pulse wave velocity in predicting pre-eclampsia in high-risk women. Hypertension Research, 2014, 37, 733-740.	1.5	26
309	Positive effects of antihypertensive treatment on aortic stiffness in the general population. Hypertension Research, 2014, 37, 64-68.	1.5	17
310	Association of renal function with vascular stiffness in older adults: the Rotterdam study. Age and Ageing, 2014, 43, 827-833.	0.7	12
311	Gender-specific contribution of aortic augmentation index to variations in left ventricular mass index in a community sample of African ancestry. Hypertension Research, 2014, 37, 1021-1027.	1.5	15
312	Geometry is a major determinant of flow reversal in proximal aorta. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H1408-H1416.	1.5	45
313	Relations of Digital Vascular Function, Cardiovascular Risk Factors, and Arterial Stiffness: The Brazilian Longitudinal Study of Adult Health (ELSAâ€Brasil) Cohort Study. Journal of the American Heart Association, 2014, 3, e001279.	1.6	27
314	Opposing changes in thoracic and abdominal aortic biomechanical properties in rodent models of vascular calcification and hypertension. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H143-H151.	1.5	15
315	Effect of acute resistance exercise on carotid artery stiffness and cerebral blood flow pulsatility. Frontiers in Physiology, 2014, 5, 101.	1.3	42

#	Article	IF	Citations
316	Non-Hemodynamically Significant Renal Artery Stenosis Predicts Cardiovascular Events in Persons with Ischemic Heart Disease. American Journal of Nephrology, 2014, 40, 468-477.	1.4	13
317	Increased fasting glucose and the prevalence of arterial stiffness: a cross-sectional study in Chinese adults. Neurological Research, 2014, 36, 427-433.	0.6	16
318	Proximal Aortic Distensibility Is an Independent Predictor of All-Cause MortalityÂand Incident CV Events. Journal of the American College of Cardiology, 2014, 64, 2619-2629.	1.2	161
319	Heart Disease and Stroke Statisticsâ€"2014 Update. Circulation, 2014, 129, e28-e292.	1.6	4,522
320	Shortâ€term effects of a standardized glucose load on regionâ€specific aortic pulse wave velocity assessed by MRI. Journal of Magnetic Resonance Imaging, 2014, 39, 717-721.	1.9	1
321	Superoxide signaling in perivascular adipose tissue promotes ageâ€related artery stiffness. Aging Cell, 2014, 13, 576-578.	3.0	71
322	Aortic Stiffness Measurement Improves the Prediction of Asymptomatic Coronary Artery Disease in Stroke/Transient Ischemic Attack Patients. International Journal of Stroke, 2014, 9, 291-296.	2.9	13
323	Linking Pediatric Obesity to SubclinicalÂAlterations in Cardiac Structure and Function. JACC: Cardiovascular Imaging, 2014, 7, 1206-1208.	2.3	6
324	Carotid to Femoral Pulse Wave Velocity Reflects the Extent of Coronary Artery Disease. Journal of Clinical Hypertension, 2014, 16, 629-633.	1.0	24
325	Prediction of Cardiovascular Events With Aortic Stiffness in Patients With Erectile Dysfunction. Hypertension, 2014, 64, 672-678.	1.3	35
326	Influence of tilt load on pulse wave velocity in the lower limbs. , 2014, , .		2
327	Exercise and Dietary Influences on Arterial Stiffness in Cardiometabolic Disease. Hypertension, 2014, 63, 888-893.	1.3	39
328	Performance of pulse wave velocity measured using a brachial cuff in a community setting. Blood Pressure Monitoring, 2014, 19, 315-319.	0.4	29
329	The effect of oral Contraceptive pills and the natural menstrual cYCLe on arterial stiffness and hemodynamICs (CYCLIC). Journal of Hypertension, 2014, 32, 100-107.	0.3	26
330	Acute Effects of Self-Myofascial Release Using a Foam Roller on Arterial Function. Journal of Strength and Conditioning Research, 2014, 28, 69-73.	1.0	142
331	Association of Aging, Arterial Stiffness, and Cardiovascular Disease. Cardiology in Review, 2014, 22, 223-232.	0.6	41
332	Carotidâ€"femoral pulse wave velocity in the elderly. Journal of Hypertension, 2014, 32, 1572-1576.	0.3	35
333	Longitudinal and Circumferential Strain of the Proximal Aorta. Journal of the American Heart Association, 2014, 3, e001536.	1.6	62

#	Article	IF	Citations
334	Arterial Stiffness Measured Via Carotid Femoral Pulse Wave Velocity Is Associated With Disease Severity in COPD. Respiratory Care, 2014, 59, 274-280.	0.8	37
335	Reproducibility of aortic pulse wave velocity as assessed with the new Complior Analyse. Blood Pressure Monitoring, 2014, 19, 170-175.	0.4	6
336	Predictive value of echocardiography-derived arterial compliance for increased arterial stiffness in hypertensive patients. Blood Pressure Monitoring, 2014, 19, 1-5.	0.4	1
337	Differences in Effects of Age and Blood Pressure on Augmentation Index. American Journal of Hypertension, 2014, 27, 1479-1485.	1.0	4
338	Excess Pressure Integral Predicts Cardiovascular Events Independent of Other Risk Factors in the Conduit Artery Functional Evaluation Substudy of Anglo-Scandinavian Cardiac Outcomes Trial. Hypertension, 2014, 64, 60-68.	1.3	85
339	Sprint Interval and Sprint Continuous Training Increases Circulating CD34+ Cells and Cardio-Respiratory Fitness in Young Healthy Women. PLoS ONE, 2014, 9, e108720.	1.1	17
340	Reference Values of Pulse Wave Velocity in Healthy People from an Urban and Rural Argentinean Population. International Journal of Hypertension, 2014, 2014, 1-7.	0.5	63
341	Cross-Sectional Relations of Arterial Stiffness, Pressure Pulsatility, Wave Reflection, and Arterial Calcification. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 2495-2500.	1.1	70
342	Arterial stiffness as a noninvasive tissue biomarker of cardiac target organ damage. Current Biomarker Findings, 2014, , 23.	0.4	4
343	Small Artery Elasticity Predicts Future Cardiovascular Events in Chinese Patients With Angiographic Coronary Artery Disease. Angiology, 2014, 65, 298-302.	0.8	3
344	Relation of Epicardial Adipose Tissue With Arterial Compliance and Stiffness in Patients With Hypertension. Angiology, 2014, 65, 691-695.	0.8	11
345	Neutrophil lymphocyte ratio significantly improves the Framingham risk score in prediction of coronary heart disease mortality: Insights from the National Health and Nutrition Examination Survey-III. International Journal of Cardiology, 2014, 171, 390-397.	0.8	136
346	Acute sleep deprivation is associated with increased arterial stiffness in healthy young adults. Sleep and Breathing, 2014, 18, 215-220.	0.9	68
347	Aortic pulse wave velocity and HeartSCORE: Improving cardiovascular risk stratification. A sub-analysis of the EDIVA (Estudo de DIstensibilidade VAscular) project. Blood Pressure, 2014, 23, 109-115.	0.7	17
348	Step Monitoring to improve ARTERial health (SMARTER) through step count prescription in type 2 diabetes and hypertension: trial design and methods. Cardiovascular Diabetology, 2014, 13, 7.	2.7	15
349	Central blood pressure: current evidence and clinical importance. European Heart Journal, 2014, 35, 1719-1725.	1.0	515
350	Descending aorta subject-specific one-dimensional model validated against in vivo data. Journal of Biomechanics, 2014, 47, 424-431.	0.9	15
351	Arterial Stiffness as a Risk Factor for Coronary Artery Disease. Current Atherosclerosis Reports, 2014, 16, 387.	2.0	60

#	Article	IF	Citations
352	Short-term physical inactivity impairs vascular function. Journal of Surgical Research, 2014, 190, 672-682.	0.8	76
353	Apparent treatment-resistant hypertension and risk for stroke, coronary heart disease, and all-cause mortality. Journal of the American Society of Hypertension, 2014, 8, 405-413.	2.3	113
354	Arterial stiffness and influences of the metabolic syndrome: A cross-countries study. Atherosclerosis, 2014, 233, 654-660.	0.4	116
355	Arterial Stiffness and Its Clinical Implications in Women. Canadian Journal of Cardiology, 2014, 30, 756-764.	0.8	97
356	Arterial stiffness is associated with increase in blood pressure over time in treated hypertensives. Journal of the American Society of Hypertension, 2014, 8, 414-421.	2.3	30
357	Effects of a typical acute oral calcium load on arterial properties and endothelial function in healthy subjects. European Journal of Clinical Nutrition, 2014, 68, 608-612.	1.3	8
358	Arterial Stiffness and Hypertension. Hypertension, 2014, 64, 210-214.	1.3	246
359	Flavonoids and arterial stiffness: Promising perspectives. Nutrition, Metabolism and Cardiovascular Diseases, 2014, 24, 698-704.	1.1	45
360	Testosterone deficiency: A determinant of aortic stiffness in men. Atherosclerosis, 2014, 233, 278-283.	0.4	69
361	PO-01 LONGITUDINAL AND CIRCUMFERENTIAL STRAIN OF THE PROXIMAL AORTA. Artery Research, 2014, 8, 166.	0.3	0
362	Combining risk markers improves cardiovascular risk prediction in women. Clinical Science, 2014, 126, 139-146.	1.8	13
363	Response to Balta et al. Letter. International Journal of Stroke, 2014, 9, E14-E14.	2.9	0
364	U-Shaped Relationship of Left Ventricular Ejection Time Index and All-Cause Mortality. American Journal of Hypertension, 2014, 27, 702-709.	1.0	17
365	Assessment of Central Blood Pressure in Patients With Type 2 Diabetes: A Comparison Between Sphygmocor and Invasively Measured Values. American Journal of Hypertension, 2014, 27, 169-176.	1.0	40
366	Inorganic nitrite supplementation for healthy arterial aging. Journal of Applied Physiology, 2014, 116, 463-477.	1.2	57
367	Pulsatile Flow Characterization in a Vessel Phantom With Elastic Wall Using Ultrasonic Particle Image Velocimetry Technique: The Impact of Vessel Stiffness on Flow Dynamics. IEEE Transactions on Biomedical Engineering, 2014, 61, 2444-2450.	2.5	11
368	Applanation tonometry: a reliable technique to assess aortic pulse wave velocity in spinal cord injury. Spinal Cord, 2014, 52, 272-275.	0.9	11
369	Effect of supine versus sitting position on noninvasive assessment of aortic pressure waveform: a randomized cross-over study. Journal of Human Hypertension, 2014, 28, 236-241.	1.0	21

#	Article	IF	Citations
370	Longitudinal Perspective on the Conundrum of Central Arterial Stiffness, Blood Pressure, and Aging. Hypertension, 2014, 64, 1219-1227.	1.3	131
371	Assessment of Aortic Stiffness by Transesophageal Echocardiography. Echocardiography, 2014, 31, 1105-1112.	0.3	8
372	Mitochondrial quality control and age-associated arterial stiffening. Experimental Gerontology, 2014, 58, 78-82.	1.2	55
373	Predictive value of brachialâ€“ankle pulse wave velocity for long-term clinical outcomes after percutaneous coronary intervention in a Korean cohort. International Journal of Cardiology, 2014, 175, 554-559.	0.8	11
374	Blood Pressure and Arterial Wall Mechanics in Cardiovascular Diseases. , 2014, , .		20
375	Aortic stiffness as a marker of cardiac function and myocardial strain in patients undergoing aortic valve replacement. Journal of Cardiothoracic Surgery, 2014, 9, 102.	0.4	12
376	Angiopoietin-2â€“Induced Arterial Stiffness in CKD. Journal of the American Society of Nephrology: JASN, 2014, 25, 1198-1209.	3.0	42
377	Brachial-Ankle Pulse Wave Velocity as a Predictor of Mortality in Elderly Chinese. Hypertension, 2014, 64, 1124-1130.	1.3	66
378	Wave propagation of myocardial stretch: correlation with myocardial stiffness. Basic Research in Cardiology, 2014, 109, 438.	2.5	34
379	Microflotronic Arterial Tonometry for Continuous Wearable Non-Invasive Hemodynamic Monitoring. Annals of Biomedical Engineering, 2014, 42, 2278-2288.	1.3	27
380	Total arterial compliance estimated by a novel method and all-cause mortality in the elderly: the PROTEGER study. Age, 2014, 36, 9661.	3.0	19
381	Association between fat amount of dairy products with pulse wave velocity and carotid intima-media thickness in adults. Nutrition Journal, 2014, 13, 37.	1.5	24
382	Cardiovascular outcome associations among cardiovascular magnetic resonance measures of arterial stiffness: the Dallas heart study. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 33.	1.6	73
383	Is pulse pressure a predictor of diabetes in Chinese Han nationality population? 15-year prospective study in Chengdu community. International Journal of Cardiology, 2014, 176, 529-532.	0.8	8
384	Relation of Aortic Stiffness and Strain by Cardiovascular Magnetic Resonance Imaging to Age in Repaired Tetralogy of Fallot. American Journal of Cardiology, 2014, 113, 1031-1035.	0.7	8
385	Aortic Pulse Wave Velocity Improves Cardiovascular Event Prediction. Journal of the American College of Cardiology, 2014, 63, 636-646.	1.2	1,446
386	Cardio-ankle vascular index (CAVI) correlates with aortic stiffness in the thoracic aorta using ECG-gated multi-detector row computed tomography. Atherosclerosis, 2014, 235, 239-245.	0.4	20
387	Visit-to-visit blood pressure variability as a prognostic marker in patients with cardiovascular and cerebrovascular diseases â€“ Relationships and comparisons with vascular markers of atherosclerosis. Atherosclerosis, 2014, 235, 230-235.	0.4	38

#	Article	IF	Citations
388	Smoking and Arterial Stiffness in Youth with Type 1 Diabetes: The SEARCH Cardiovascular Disease Study. Journal of Pediatrics, 2014, 165, 110-116.	0.9	25
389	Local Stiffness of the Carotid and Femoral Artery Is Associated With Incident Cardiovascular Events and All-Cause Mortality. Journal of the American College of Cardiology, 2014, 63, 1739-1747.	1.2	236
390	Blood pressure and pulse wave velocity as metrics for evaluating pathologic ageing of the cardiovascular system. Blood Pressure, 2014, 23, 17-30.	0.7	56
391	Central Blood Pressure as an Index of Antihypertensive Control: Determinants and Potential Value. Canadian Journal of Cardiology, 2014, 30, S23-S28.	0.8	41
392	Insulin Resistance Correlates with the Arterial Stiffness before Glucose Intolerance. Internal Medicine, 2014, 53, 189-194.	0.3	12
393	Assessment of Vascular Function in Patients With Chronic Kidney Disease. Journal of Visualized Experiments, 2014, , .	0.2	16
394	Pulse Wave Velocity Testing in the Baltimore Longitudinal Study of Aging. Journal of Visualized Experiments, 2014, , e50817.	0.2	8
395	The Rationale/Design of the GuimarÃ£es/Vizela Study. Journal of Investigative Medicine, 2014, 62, 813-820.	0.7	6
396	Arterial Stiffness: A Nexus between Cardiac and Renal Disease. CardioRenal Medicine, 2014, 4, 60-71.	0.7	50
397	Long Sleep Duration Associated With a Higher Risk of Increased Arterial Stiffness in Males. Sleep, 2014, 37, 1315-1320.	0.6	44
398	Aortic pulse wave velocity predicts mortality in chronic kidney disease stages 2â€“4. Journal of Hypertension, 2014, 32, 899-903.	0.3	86
399	Effect of omega-3 polyunsaturated fatty acid supplementation on central arterial stiffness and arterial wave reflections in young and older healthy adults. Physiological Reports, 2015, 3, e12438.	0.7	19
400	Comparison of techniques for estimating shear-wave velocity in arterial wall using shear-wave elastography - FEM and phantom study. , 2015, , .		4
401	Experimental Myocardial Infarction Upregulates Circulating Fibroblast Growth Factor-23. Journal of Bone and Mineral Research, 2015, 30, 1831-1839.	3.1	76
402	Matrix metalloproteinase-12 is an essential mediator of acute and chronic arterial stiffening. Scientific Reports, 2015, 5, 17189.	1.6	41
403	Adjunctive Testing in the Evaluation of Adults After Kawasaki Disease. Circulation Journal, 2015, 79, 2299-2305.	0.7	3
404	Common Carotid Artery Stiffness Is Associated with Left Ventricular Structure and Function and Predicts First Hospitalization for Acute Heart Failure. Pulse, 2014, 2, 18-28.	0.9	7
405	Decreased peripheral arterial volume distensibility in patients with branch retinal vein occlusion in comparison with normal subjects. Scientific Reports, 2014, 4, 6685.	1.6	5

#	Article	IF	Citations
406	Arterial Stiffness in Children: Pediatric Measurement and Considerations. Pulse, 2014, 2, 69-80.	0.9	40
407	Arterial stiffness and coronary artery disease. Current Opinion in Cardiology, 2015, 30, 422-431.	0.8	73
408	The impact of age and risk factors on carotid and carotid-femoral pulse wave velocity. Journal of Hypertension, 2015, 33, 1446-1451.	0.3	27
409	Carotid stiffness change over the cardiac cycle by ultrafast ultrasound imaging in healthy volunteers and vascular Ehlersâ€“Danlos syndrome. Journal of Hypertension, 2015, 33, 1890-1896.	0.3	54
410	Correlates of aortic stiffness progression in patients with resistant hypertension. Journal of Hypertension, 2015, 33, 827-835.	0.3	15
411	Association of various blood pressure variables and vascular phenotypes with coronary, stroke and renal deaths: Potential implications for prevention. Atherosclerosis, 2015, 243, 161-168.	0.4	7
412	Determinants of arterial stiffness progression in a Han-Chinese population in Taiwan: a 4-year longitudinal follow-up. BMC Cardiovascular Disorders, 2015, 15, 100.	0.7	19
413	Bushehr Elderly Health (BEH) Programme, phase I (cardiovascular system). BMJ Open, 2015, 5, e009597.	0.8	46
414	The value of aortic pulse wave velocity in predicting coronary artery disease diagnosis and severity. Acta Cardiologica, 2015, 70, 315-322.	0.3	13
415	Using aortic distensibility index to detect coronary stenosis. Acta Cardiologica, 2015, 70, 465-472.	0.3	2
416	Relation of Central Arterial Stiffness to Incident Heart Failure in the Community. Journal of the American Heart Association, 2015, 4, .	1.6	102
417	MR pulse wave velocity increases with age faster in the thoracic aorta than in the abdominal aorta. Journal of Magnetic Resonance Imaging, 2015, 41, 765-772.	1.9	26
418	Carotidâ€“femoral pulse wave velocity assessment by two different methods. Journal of Hypertension, 2015, 33, 1868-1875.	0.3	5
419	Aortic Stiffness in a Mortality Risk Calculator for Kidney Transplant Recipients. Transplantation, 2015, 99, 1730-1737.	0.5	42
420	Aortic Stiffness and Plasma Brain Natriuretic Peptide Predicts Mortality in Acute Ischemic Stroke. International Journal of Stroke, 2015, 10, 679-685.	2.9	12
421	How to estimate aortic characteristic impedance from magnetic resonance and applanation tonometry data?. Journal of Hypertension, 2015, 33, 575-583.	0.3	22
422	Reflected rather than forward wave pressures account for brachial pressure-independent relations between aortic pressure and end-organ changes in an African community. Journal of Hypertension, 2015, 33, 2083-2090.	0.3	23
423	Measures of atherosclerotic burden are associated with clinically manifest cardiovascular disease in type 2 diabetes: a European crossâ€sectional study. Journal of Internal Medicine, 2015, 278, 291-302.	2.7	38

#	Article	IF	Citations
424	Multiparametric carotid and cardiac ultrasound compared with clinical risk scores for the prediction of angiographic coronary artery disease. Journal of Hypertension, 2015, 33, 1291-1300.	0.3	19
425	Pulse wave velocity distribution in a cohort study. Journal of Hypertension, 2015, 33, 1438-1445.	0.3	90
426	Hypertension and chronic kidney disease. Journal of Hypertension, 2015, 33, 2010-2015.	0.3	10
427	Reduced large elastic artery stiffness with regular aerobic exercise in middle-aged and older adults. Journal of Hypertension, 2015, 33, 2477-2482.	0.3	36
428	Paraoxonase and Arylesterase Activities in Dipper and Non-Dipper Prehypertensive Subjects. Medicine (United States), 2015, 94, e786.	0.4	3
429	Acute Effect on Arterial Stiffness after Performing Resistance Exercise by Using the Valsalva Manoeuvre during Exertion. BioMed Research International, 2015, 2015, 1-5.	0.9	10
430	Prevalence of High Arterial Stiffness and Gender-specific Differences in the Relationships with Classical Cardiovascular Risk Factors. Journal of Atherosclerosis and Thrombosis, 2015, 22, 706-717.	0.9	12
431	Work-Related Psychosocial Hazards and Arteriosclerosis. International Heart Journal, 2015, 56, 644-650.	0.5	11
432	The Role of Femoral Artery Ultrasound Measurements in Predicting Restenosis following Endovascular Intervention. Journal for Vascular Ultrasound, 2015, 39, 127-132.	0.2	1
433	The Association Between the Cardio-ankle Vascular Index and Other Parameters of Vascular Structure and Function in Caucasian Adults: MARK Study. Journal of Atherosclerosis and Thrombosis, 2015, 22, 901-911.	0.9	37
434	Indices of Cardiovascular Function Derived from Peripheral Pulse Wave Analysis Using Radial Applanation Tonometry in HIV Positive Patients from Mthatha District of South Africa. Journal of Clinical & Experimental Cardiology, 2015, 06, .	0.0	0
435	Increased Cardio-ankle Vascular Index in Hyperlipidemic Patients without Diabetes or Hypertension. Journal of Atherosclerosis and Thrombosis, 2015, 22, 272-283.	0.9	31
436	Chronic Kidney Disease and Fibrosis: The Role of Uremic Retention Solutes. Frontiers in Medicine, 2015, 2, 60.	1.2	52
437	Hypoxic Conditioning as a New Therapeutic Modality. Frontiers in Pediatrics, 2015, 3, 58.	0.9	97
438	Apolipoprotein E3 Inhibits Rho to Regulate the Mechanosensitive Expression of Cox2. PLoS ONE, 2015, 10, e0128974.	1.1	13
439	Vascular stiffness in insulin resistance and obesity. Frontiers in Physiology, 2015, 6, 231.	1.3	100
440	Functional aortic stiffness: role of CD4+ T lymphocytes. Frontiers in Physiology, 2015, 6, 235.	1.3	2
441	Biomarkers of Hemodynamic Stress and Aortic Stiffness after STEMI: A Cross-Sectional Analysis. Disease Markers, 2015, 2015, 1-7.	0.6	8

#	Article	IF	Citations
442	Validation of New and Existing Decision Rules for the Estimation of Beat-to-Beat Pulse Transit Time. BioMed Research International, 2015, 2015, 1-13.	0.9	9
443	Incremental Prognostic Value of Brachial-Ankle Pulse Wave Velocity to Single-Photon Emission Computed Tomography in Patients with Suspected Coronary Artery Disease. Journal of Atherosclerosis and Thrombosis, 2015, 22, 1040-1050.	0.9	37
444	Is Arterial Hypertension Control Enough to Improve Aortic Stiffness in Untreated Patients With Hypertension? A 3-Year Follow-Up Study. Angiology, 2015, 66, 759-765.	0.8	13
445	Increased pulse wave velocity and augmentation index after isometric handgrip exercise in patients with coronary artery disease. Clinical Hypertension, 2015, 21, 5.	0.7	13
446	Assessment of Vascular Function by Using Cardiac Catheterization. , 2015, , 127-141.		0
447	Arterial stiffness and increased cardiovascular risk in chronic kidney disease. International Urology and Nephrology, 2015, 47, 1157-1164.	0.6	21
448	Aortic Calcifications Present the Next Challenge After TAVR. Journal of the American College of Cardiology, 2015, 65, 1058-1060.	1.2	15
449	The relation of red blood cell fatty acids with vascular stiffness, cardiac structure and left ventricular function: The Framingham Heart Study. Vascular Medicine, 2015, 20, 5-13.	0.8	10
450	INCREASED MEAN PLATELET VOLUME IS ASSOCIATED WITH DURATION OF HOSPITALIZATION AND TRANSFUSION REQUIREMENT IN UPPER GASTROINTESTINAL BLEEDINGS. Gulhane Medical Journal, 2015, 57, 16.	0.1	2
451	DPP-4 Inhibitor Reduces Central Blood Pressure in a Diabetic and Hypertensive Patient. Medicine (United States), 2015, 94, e1068.	0.4	8
452	Noninvasive pulse transit time measurement for arterial stiffness monitoring in microgravity. , 2015, 2015, 6429-32.		4
453	Vascular Aging and Cardiovascular Disease. , 2015, , 261-271.		2
454	Right Analysisâ€"Wrong Conclusion: Obese Youth With higher BP Are at Risk for Target Organ Damage. American Journal of Hypertension, 2015, 28, 570-571.	1.0	6
455	Arterial Stiffness and Decline in Kidney Function. Clinical Journal of the American Society of Nephrology: CJASN, 2015, 10, 2190-2197.	2.2	117
456	Higher Oily Fish Consumption in Late Pregnancy Is Associated With Reduced Aortic Stiffness in the Child at Age 9 Years. Circulation Research, 2015, 116, 1202-1205.	2.0	23
457	Comparison of benazepril and losartan on endothelial function and vascular stiffness in patients with Type 2 diabetes mellitus and hypertension: A randomized controlled trial. JRAAS - Journal of the Renin-Angiotensin-Aldosterone System, 2015, 16, 967-974.	1.0	18
458	Tissue-specific vascular remodeling and stiffness associated with metabolic diseases. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H555-H556.	1.5	1
459	Impact of blood pressure perturbations on arterial stiffness. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R1540-R1545.	0.9	58

#	Article	IF	Citations
460	The Framingham Heart Study: past, present and future. International Journal of Epidemiology, 2015, 44, 1763-1766.	0.9	20
461	Cohort Profile: The Framingham Heart Study (FHS): overview of milestones in cardiovascular epidemiology. International Journal of Epidemiology, 2015, 44, 1800-1813.	0.9	269
462	Pulse Wave Velocity: A Valuable Predictor for Cardio-Cerebrovascular Disease and Death in PD Patients. Blood Purification, 2015, 40, 203-208.	0.9	9
463	CAP waveform estimation from the measured electrical bioimpedance values: Patient's heart rate variability analysis. , 2015, 2015, 2788-91.		3
464	Central blood pressure and vascular damage. Medicina ClÃnica (English Edition), 2015, 145, 49-54.	0.1	0
465	Regional variation in arterial stiffening and dysfunction in Western diet-induced obesity. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H574-H582.	1.5	51
466	Population-Based Studies. , 2015, , 21-31.		0
467	Traditional Versus New Models of Risk Prediction. , 2015, , 213-223.		4
468	Imaging Biomarkers. , 2015, , 225-238.		0
469	Treatment Aspects. , 2015, , 309-321.		0
470	Brachial-ankle pulse wave velocity and mean platelet volume as predictive values after percutaneous coronary intervention for long-term clinical outcomes in Korea: A comparable and additive study. Platelets, 2015, 26, 665-671.	1.1	8
471	Cardio-ankle vascular index and subclinical heart disease. Hypertension Research, 2015, 38, 68-73.	1.5	49
472	Clinical utility of digital volume pulse analysis in prediction of cardiovascular risk and the presence of angiographic coronary artery disease. Artery Research, 2015, 9, 33.	0.3	3
473	Central arteriovenous anastomosis for the treatment of patients with uncontrolled hypertension (the ROX CONTROL HTN study): a randomised controlled trial. Lancet, The, 2015, 385, 1634-1641.	6.3	155
475	Heart Disease and Stroke Statisticsâ€"2015 Update. Circulation, 2015, 131, e29-322.	1.6	5,963
476	Daily Blueberry Consumption Improves Blood Pressure and Arterial Stiffness in Postmenopausal Women with Pre- and Stage 1-Hypertension: A Randomized, Double-Blind, Placebo-Controlled Clinical Trial. Journal of the Academy of Nutrition and Dietetics, 2015, 115, 369-377.	0.4	181
477	Weight reduction and aortic stiffness in obese children and adolescents: a 1-year follow-up study. Journal of Human Hypertension, 2015, 29, 535-540.	1.0	11
478	Abdominal obesity is associated with arterial stiffness in middle-aged adults. Nutrition, Metabolism and Cardiovascular Diseases, 2015, 25, 495-502.	1.1	99

#	Article	IF	Citations
479	Cardio-ankle vascular index is associated with cardiovascular target organ damage and vascular structure and function in patients with diabetes or metabolic syndrome, LOD-DIABETES study: a case series report. Cardiovascular Diabetology, 2015, 14, 7.	2.7	42
480	Correlates of Aortic Stiffness Progression in Patients With Type 2 Diabetes: Importance of Glycemic Control. Diabetes Care, 2015, 38, 897-904.	4.3	51
481	Site-specific association between distal aortic pulse wave velocity and peripheral arterial stenosis severity: a prospective cardiovascular magnetic resonance study. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 2.	1.6	6
482	Brachial-ankle pulse wave velocity is associated with coronary calcium in young and middle-aged asymptomatic adults: The Kangbuk Samsung Health Study. Atherosclerosis, 2015, 241, 350-356.	0.4	24
483	Ethnic differences in arterial stiffness the Helius study. International Journal of Cardiology, 2015, 191, 28-33.	0.8	29
484	Determinants of Aortic Root Dilatation and Reference Values Among Young Adults Over a 20-Year Period. Hypertension, 2015, 66, 23-29.	1.3	35
485	Does Measurement of Central Blood Pressure have Treatment Consequences in the Clinical Praxis?. Current Hypertension Reports, 2015, 17, 66.	1.5	14
486	Cardiovascular flexibility in middle-aged overweight South Asians vs. white Caucasians: Response to short-term caloric restriction. Nutrition, Metabolism and Cardiovascular Diseases, 2015, 25, 403-410.	1.1	7
487	Experimental protocol of a randomized controlled clinical trial investigating exercise, subclinical atherosclerosis, and walking mobility in persons with multiple sclerosis. Contemporary Clinical Trials, 2015, 41, 280-286.	0.8	12
488	Visit-to-visit variability in systolic blood pressure: correlated with the changes of arterial stiffness and myocardial perfusion in on-treated hypertensive patients. Clinical and Experimental Hypertension, 2015, 37, 63-69.	0.5	18
489	The impact of ankle brachial index and pulse wave velocity on cardiovascular risk according to SCORE and Framingham scales and sex differences. Journal of Human Hypertension, 2015, 29, 502-510.	1.0	11
490	The Structural Factor of Hypertension. Circulation Research, 2015, 116, 1007-1021.	2.0	383
491	Validation of a new piezo-electronic device for non-invasive measurement of arterial pulse wave velocity according to the artery society guidelines. Artery Research, 2015, 10, 32.	0.3	7
492	Aortic Stiffness and Kidney Disease in an Elderly Population. American Journal of Nephrology, 2015, 41, 320-328.	1.4	19
494	Arteriovenous anastomosisâ€"next panacea for hypertension?. Nature Reviews Cardiology, 2015, 12, 197-198.	6.1	4
495	Carotid pulse wave velocity by magnetic resonance imaging is increased in middle-aged subjects with the metabolic syndrome. International Journal of Cardiovascular Imaging, 2015, 31, 603-612.	0.7	4
496	Genetic Determinants of Arterial Stiffness. Journal of Cardiovascular Translational Research, 2015, 8, 23-43.	1.1	17
497	Brachial-ankle pulse wave velocity is a predictor of walking distance in community-dwelling adults. Aging Clinical and Experimental Research, 2015, 27, 187-193.	1.4	3

#	Article	IF	Citations
498	Biomarkers of hemodynamic stress and aortic stiffness post-STEMI: a cross-sectional analysis. Journal of Cardiovascular Magnetic Resonance, 2015, 17, P146.	1.6	1
499	Pediatric Interventions Using Noninvasive Vascular Health Indices. Hypertension, 2015, 65, 949-955.	1.3	9
500	Indirect Measures of Arterial Stiffness and Cognitive Performance in Individuals Without Traditional Vascular Risk Factors or Disease. JAMA Neurology, 2015, 72, 309.	4.5	18
501	Between Rho(k) and a Hard Place. Circulation Research, 2015, 116, 895-908.	2.0	148
502	The ebbing tide of the reservoir-wave model. Journal of Hypertension, 2015, 33, 461-464.	0.3	11
503	Metabolomic study of carotidâ€“femoral pulse-wave velocity in women. Journal of Hypertension, 2015, 33, 791-796.	0.3	57
504	Arterial stiffness. Current Opinion in Nephrology and Hypertension, 2015, 24, 1-7.	1.0	59
505	Diagnostic and therapeutic problems of isolated systolic hypertension. Journal of Hypertension, 2015, 33, 33-43.	0.3	19
506	Serum carboxymethyl-lysine, an advanced glycation end product, is associated with arterial stiffness in older adults. Journal of Hypertension, 2015, 33, 797-803.	0.3	52
507	Arterial Disorders. , 2015, , .		2
508	Influence of obesity in central blood pressure. Journal of Hypertension, 2015, 33, 308-313.	0.3	25
509	Relations Between Aortic Stiffness and Left Ventricular Structure and Function in Older Participants in the Age, Gene/Environment Susceptibility-Reykjavik Study. Circulation: Cardiovascular Imaging, 2015, 8, e003039.	1.3	45
510	Repeated Cessation and Resumption of Resistance Training Attenuates Increases in Arterial Stiffness. International Journal of Sports Medicine, 2015, 36, 440-445.	0.8	20
511	Assessment and Prognosis of Peripheral Artery Measures of Vascular Function. Progress in Cardiovascular Diseases, 2015, 57, 497-509.	1.6	52
512	Postprandial effects on arterial stiffness parameters in healthy young adults. Vascular Medicine, 2015, 20, 501-508.	0.8	10
513	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.	0.4	587
514	Recommendations for Improving and Standardizing Vascular Research on Arterial Stiffness. Hypertension, 2015, 66, 698-722.	1.3	1,073
515	Real-time aortic pulse wave velocity measurement during exercise stress testing. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 86.	1.6	20

#	Article	IF	Citations
516	Arterial Stiffness in a Rural Population of Argentina: Pilot Study. High Blood Pressure and Cardiovascular Prevention, 2015, 22, 403-409.	1.0	10
517	A systematic literature review of the effect of carotid atherosclerosis on local vessel stiffness and elasticity. Atherosclerosis, 2015, 243, 211-222.	0.4	75
518	Non-dipping blood pressure patterns and arterial stiffness parameters in patients with Behcetâ€™s disease. Hypertension Research, 2015, 38, 856-861.	1.5	9
519	Cardio-ankle vascular index predicts for the incidence of cardiovascular events in obese patients: A multicenter prospective cohort study (Japan Obesity and Metabolic Syndrome Study: JOMS). Atherosclerosis, 2015, 242, 461-468.	0.4	80
520	Inactive Matrix Gla-Protein Is Associated With Arterial Stiffness in an Adult Populationâ€“Based Study. Hypertension, 2015, 66, 85-92.	1.3	85
521	Noninvasive Imaging of Flow and Vascular Function in Disease of the Aorta. JACC: Cardiovascular Imaging, 2015, 8, 1094-1106.	2.3	43
522	Non-invasive assessment of arterial stiffness in patients with rheumatoid arthritis: A systematic review and meta-analysis of literature studies. Annals of Medicine, 2015, 47, 457-467.	1.5	79
523	Nonalcoholic Fatty Liver Disease and Vascular Function. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 1284-1291.	1.1	68
525	Evidence for contemporary arterial stiffening in obese children and adolescents using pulse wave velocity: A systematic review and meta-analysis. Atherosclerosis, 2015, 241, 376-386.	0.4	57
526	Nighttime Blood Pressure Patterns and Subclinical Atherosclerosis in Women with Systemic Lupus Erythematosus. Journal of Rheumatology, 2015, 42, 2310-2317.	1.0	19
527	Impact of Obstructive Sleep Apnea Syndrome on Endothelial Function, Arterial Stiffening, and Serum Inflammatory Markers: An Updated Metaâ€analysis and Metaregression of 18 Studies. Journal of the American Heart Association, 2015, 4, .	1.6	114
528	Relationship between muscle sympathetic nerve activity and aortic wave reflection characteristics in aerobic- and resistance-trained subjects. European Journal of Applied Physiology, 2015, 115, 2609-2619.	1.2	18
529	Impact of American-Style Football Participation on Vascular Function. American Journal of Cardiology, 2015, 115, 262-267.	0.7	36
530	Two functional polymorphisms of ROCK2 enhance arterial stiffening through inhibiting its activity and expression. Journal of Molecular and Cellular Cardiology, 2015, 79, 180-186.	0.9	12
531	Components of Hemodynamic Load and Cardiovascular Events. Circulation, 2015, 131, 354-361.	1.6	85
533	Distensibility of the Aorta and Carotid Artery and Left Ventricular Mass From Childhood to Early Adulthood. Hypertension, 2015, 65, 146-152.	1.3	22
534	Assessment of arterial stiffness and cardiovascular hemodynamics by oscillometric method in psoriasis patients with normal cardiac functions. Heart and Vessels, 2015, 30, 347-354.	0.5	26
536	Estimated Pulse Wave Velocity Calculated from Age and Mean Arterial Blood Pressure. Pulse, 2016, 4, 175-179.	0.9	23

#	Article	IF	Citations
537	Habitual cocoa intake reduces arterial stiffness in postmenopausal women regardless of intake frequency: a randomized parallel-group study. Clinical Interventions in Aging, 2016, Volume 11, 1645-1652.	1.3	17
538	Favorable effects on arterial stiffness after renal sympathetic denervation for the treatment of resistant hypertension: a cardiovascular magnetic resonance study. Journal of Vascular Diagnostics and Interventions, 0, Volume 4, 45-51.	0.0	0
539	Berries and blood pressure. , 2016, , 313-328.		1
540	Early Detection System of Vascular Disease and Its Application Prospect. BioMed Research International, 2016, 2016, 1-11.	0.9	21
541	Prosthetic interventions for people with transtibial amputation: Systematic review and meta-analysis of high-quality prospective literature and systematic reviews. Journal of Rehabilitation Research and Development, 2016, 53, 157-184.	1.6	46
542	NAFLD and Increased Aortic Stiffness: Parallel or Common Physiopathological Mechanisms?. International Journal of Molecular Sciences, 2016, 17, 460.	1.8	33
543	Aortic Stiffness as a Surrogate Endpoint to Micro- and Macrovascular Complications in Patients with Type 2 Diabetes. International Journal of Molecular Sciences, 2016, 17, 2044.	1.8	41
544	DNA methylation at birth within the promoter of ANRIL predicts markers of cardiovascular risk at 9Âyears. Clinical Epigenetics, 2016, 8, 90.	1.8	49
545	Quantification of the Interrelationship between Brachial-Ankle and Carotid-Femoral Pulse Wave Velocity in a Workplace Population. Pulse, 2015, 3, 253-262.	0.9	23
546	Brachial-Ankle Pulse Wave Velocity is Associated with Composite Carotid and Coronary Atherosclerosis in a Middle-Aged Asymptomatic Population. Journal of Atherosclerosis and Thrombosis, 2016, 23, 1033-1046.	0.9	25
547	Pulse Wave Velocity at Early Adulthood: Breastfeeding and Nutrition during Pregnancy and Childhood. PLoS ONE, 2016, 11, e0152501.	1.1	5
548	Transfer function-derived central pressure and cardiovascular disease events. Journal of Hypertension, 2016, 34, 1528-1534.	0.3	42
549	Heart rate dependent and independent effects of beta-blockers on central hemodynamic parameters. Journal of Hypertension, 2016, 34, 1535-1543.	0.3	10
550	Aortic-to-brachial stiffness gradient and kidney function in type 2 diabetes. Journal of Hypertension, 2016, 34, 1132-1139.	0.3	6
551	Serum Sclerostin as an Independent Marker of Peripheral Arterial Stiffness in Renal Transplantation Recipients. Medicine (United States), 2016, 95, e3300.	0.4	33
552	Higher augmentation index is associated with tensionâ€type headache and migraine in middleâ€aged/older humans with obesity. Obesity, 2016, 24, 865-870.	1.5	7
553	Subclinical cardiovascular changes in pediatric solid organ transplant recipients. Pediatric Transplantation, 2016, 20, 482-484.	0.5	2
554	Plasma Fibroblast Growth Factor 23: Clinical Correlates and Association With Cardiovascular Disease and Mortality in the Framingham Heart Study. Journal of the American Heart Association, 2016, 5, .	1.6	34

#	Article	IF	Citations
555	Subclinical cardiovascular changes in pediatric solid organ transplant recipients: A systematic review and metaâ€analysis. Pediatric Transplantation, 2016, 20, 530-539.	0.5	24
556	Blood pressure in children and adolescents. Journal of Hypertension, 2016, 34, 176-183.	0.3	24
557	Anatomical and Functional Estimations of Brachial Artery Diameter and Elasticity Using Oscillometric Measurements with a Quantitative Approach. Pulse, 2016, 4, 1-10.	0.9	3
558	Brachial-Ankle Pulse Wave Velocity: Background, Method, and Clinical Evidence. Pulse, 2015, 3, 195-204.	0.9	84
559	Relative Contributions of Arterial Stiffness and Hypertension to Cardiovascular Disease: The Framingham Heart Study. Journal of the American Heart Association, 2016, 5, .	1.6	88
560	Effect of Arteriovenous Anastomosis on Blood Pressure Reduction in Patients With Isolated Systolic Hypertension Compared With Combined Hypertension. Journal of the American Heart Association, 2016, 5, .	1.6	22
561	Arterial stiffness in obstructive sleep apnoea: Is there a difference between daytime and nightâ€time?. Respirology, 2016, 21, 1480-1485.	1.3	5
562	Microvascular Function Contributes to the Relation Between Aortic Stiffness and Cardiovascular Events. Circulation: Cardiovascular Imaging, 2016, 9, .	1.3	70
564	Soluble Tumor Necrosis Factor Receptors and Arterial Stiffness in Patients With Coronary Atherosclerosis. American Journal of Hypertension, 2017, 30, 313-318.	1.0	16
565	Central versus peripheral blood pressure. Journal of Hypertension, 2016, 34, 1497-1499.	0.3	18
566	Transfer function-derived central pressure and cardiovascular disease events. Journal of Hypertension, 2016, 34, 2487-2489.	0.3	2
567	6.10 PERIPHERAL SENSORY NEUROPATHY AND VASCULAR ANGIOGENIC FACTORS IN TYPE 2 DIABETES PATIENTS IN GHANA. Artery Research, 2016, 16, 61.	0.3	0
570	Assessment of aortic stiffness among patients with systemic lupus erythematosus and rheumatoid arthritis by magnetic resonance imaging. International Journal of Cardiovascular Imaging, 2016, 32, 935-944.	0.7	12
571	A reappraisal of clinical research on arterial stiffness in hypertension in France. Journal of the American Society of Hypertension, 2016, 10, 482-488.	2.3	2
572	Association between Preoperative Vascular Function and Postoperative Arteriovenous Fistula Development. Journal of the American Society of Nephrology: JASN, 2016, 27, 3788-3795.	3.0	56
573	The association between sleep-disordered breathing and aortic stiffness in a community cohort. Sleep Medicine, 2016, 19, 69-74.	0.8	14
574	Prognostic significance of mechanical biomarkers derived from pulse wave analysis for predicting long-term cardiovascular mortality in two population-based cohorts. International Journal of Cardiology, 2016, 215, 388-395.	0.8	36
575	Response to Budoff and Steigerwalt. Journal of the American Society of Hypertension, 2016, 10, 470-471.	2.3	1

#	Article	IF	Citations
576	American Society of Hypertension position article: central blood pressure waveforms in health and disease. Journal of the American Society of Hypertension, 2016, 10, 467-468.	2.3	0
577	Epidemiology of cardiovascular disease: recent novel outlooks on risk factors and clinical approaches. Expert Review of Cardiovascular Therapy, 2016, 14, 855-869.	0.6	37
578	Central blood pressures in early chronic kidney disease: an analysis of CARTaGENE. Nephrology Dialysis Transplantation, 2017, 32, gfw059.	0.4	11
579	The Role of Vitamin K in Chronic Aging Diseases: Inflammation, Cardiovascular Disease, and Osteoarthritis. Current Nutrition Reports, 2016, 5, 90-98.	2.1	69
580	Relationship between sleep duration and arterial stiffness in a multi-ethnic population: The HELIUS study. Chronobiology International, 2016, 33, 543-552.	0.9	15
581	Is increased arterial stiffness a cause or consequence of atherosclerosis?. Atherosclerosis, 2016, 249, 226-227.	0.4	34
582	Lifelong Cyclic Mechanical Strain Promotes Large Elastic Artery Stiffening: Increased Pulse Pressure and Old Age-Related Organ Failure. Canadian Journal of Cardiology, 2016, 32, 624-633.	0.8	28
583	Invasively Measured Aortic Systolic Blood Pressure and Office Systolic Blood Pressure in Cardiovascular Risk Assessment. Hypertension, 2016, 68, 768-774.	1.3	11
584	Regular Exercise Reduces Endothelial Cortical Stiffness in Western Dietâ€“Fed Female Mice. Hypertension, 2016, 68, 1236-1244.	1.3	32
585	Evaluation of Cardiac, Vascular, and Skeletal Muscle Function With MRI: Novel Physiological End Points in Cardiac Rehabilitation Research. Canadian Journal of Cardiology, 2016, 32, S388-S396.	0.8	7
586	Aging is Associated With an Earlier Arrival of Reflected Waves Without a Distal Shift in Reflection Sites. Journal of the American Heart Association, 2016, 5, .	1.6	43
587	Echocardiographic Assessment of Aortic Pulse-Wave Velocity: Validation against Invasive Pressure Measurements. Journal of the American Society of Echocardiography, 2016, 29, 1109-1116.	1.2	29
588	Brain tissue stiffness is a sensitive marker for acidosis. Journal of Neuroscience Methods, 2016, 271, 50-54.	1.3	36
589	Measurement of Arterial Stiffness: A Novel Tool of Risk Stratification in Hypertension. Advances in Experimental Medicine and Biology, 2016, 956, 475-488.	0.8	30
590	Arterial Stiffness in the Depression and Cardiovascular Comorbidity. , 2016, , 187-194.		0
591	Standardization of Arterial Stiffness Measurements Make Them Ready for Use in Clinical Practice: Table 1.. American Journal of Hypertension, 2016, 29, 1234-1236.	1.0	23
592	Aortic pulse wave velocity predicts incident cardiovascular events in patients with type 2 diabetes treated in primary care. Journal of Diabetes and Its Complications, 2016, 30, 1223-1228.	1.2	28
593	Effects of matched weight loss from calorie restriction, exercise, or both on cardiovascular disease risk factors: a randomized intervention trial. American Journal of Clinical Nutrition, 2016, 104, 576-586.	2.2	80

#	Article	IF	Citations
594	High trans but not saturated fat beverage causes an acute reduction in postprandial vascular endothelial function but not arterial stiffness in humans. Vascular Medicine, 2016, 21, 429-436.	0.8	12
595	Early morphologic and functional changes of atherosclerosis in systemic sclerosisâ€”a systematic review and meta-analysis. Rheumatology, 2016, 55, 2119-2130.	0.9	28
596	Aortic stiffness: is it time to be included into clinical diabetes management?. Journal of Diabetes and Its Complications, 2016, 30, 1207-1208.	1.2	3
597	Vascular Physiology according to Clinical Scenario in Patients with Acute Heart Failure: Evaluation using the Cardio-Ankle Vascular Index. Tohoku Journal of Experimental Medicine, 2016, 240, 57-65.	0.5	3
598	Cardiovascular Consequences of Childhood Secondhand Tobacco Smoke Exposure: Prevailing Evidence, Burden, and Racial and Socioeconomic Disparities: A Scientific Statement From the American Heart Association. Circulation, 2016, 134, e336-e359.	1.6	135
599	Relations of Arterial Stiffness and Brachial Flowâ€“Mediated Dilation With New-Onset Atrial Fibrillation. Hypertension, 2016, 68, 590-596.	1.3	72
600	Abnormal Central Pulsatile Hemodynamics in Adolescents With Obesity. Hypertension, 2016, 68, 1200-1207.	1.3	18
601	Evaluating Health Span in Preclinical Models of Aging and Disease: Guidelines, Challenges, and Opportunities for Geroscience. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 1395-1406.	1.7	44
602	Nicotinamide mononucleotide supplementation reverses vascular dysfunction and oxidative stress with aging in mice. Aging Cell, 2016, 15, 522-530.	3.0	280
603	Lifelong Cardiovascular Adverse Effects of Childhood Tobacco Smoke Exposure. Current Cardiovascular Risk Reports, 2016, 10, 1.	0.8	1
604	Arterial Stiffness: Going a Step Beyond. American Journal of Hypertension, 2016, 29, 1223-1233.	1.0	68
605	Vascular Smooth Muscle Sirtuin-1 Protects Against Diet-Induced Aortic Stiffness. Hypertension, 2016, 68, 775-784.	1.3	74
606	Surrogate markers of HDL functionality and arterial stiffening: Which role in rheumatoid arthritis?. Atherosclerosis, 2016, 251, 538-539.	0.4	0
607	Association of metabolic syndrome and its components with arterial stiffness in Caucasian subjects of the MARK study: a cross-sectional trial. Cardiovascular Diabetology, 2016, 15, 148.	2.7	61
608	A Review on Atherosclerotic Biology, Wall Stiffness, Physics of Elasticity, and Its Ultrasound-Based Measurement. Current Atherosclerosis Reports, 2016, 18, 83.	2.0	40
609	Estimating the influence of aortic-stent grafts after endovascular aneurysm repair: Are we missing something?. Medical Hypotheses, 2016, 97, 26-30.	0.8	8
610	Central Hemodynamics and Arterial Stiffness in Systemic Sclerosis. Hypertension, 2016, 68, 1504-1511.	1.3	17
611	Cross-Sectional Associations of Flow Reversal, Vascular Function, and Arterial Stiffness in the Framingham Heart Study. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 2452-2459.	1.1	26

#	Article	IF	Citations
612	Age and hypertension strongly induce aortic stiffening in rats at basal and matched blood pressure levels. Physiological Reports, 2016, 4, e12805.	0.7	21
613	Arterial Stiffness Differences between Aerobically and Resistance Trained Turkish Elite Athletes. Anthropologist, 2016, 24, 429-439.	0.1	0
614	Vascular Function at Baseline in the Hemodialysis Fistula Maturation Study. Journal of the American Heart Association, 2016, 5, .	1.6	10
615	Measuring the Stiffness of Ex Vivo Mouse Aortas Using Atomic Force Microscopy. Journal of Visualized Experiments, 2016, , .	0.2	14
616	The type of the functional cardiovascular response to upright posture is associated with arterial stiffness: a cross-sectional study in 470 volunteers. BMC Cardiovascular Disorders, 2016, 16, 101.	0.7	10
617	Aortic Stiffness, Cerebrovascular Dysfunction, and Memory. Pulse, 2016, 4, 69-77.	0.9	46
618	New diagnostics for hypertension in diabetes and the role of chronotherapy: a new perspective. Cardiovascular Endocrinology, 2016, 5, 144-150.	0.8	0
619	Vascular structure and function and their relationship with health-related quality of life in the MARK study. BMC Cardiovascular Disorders, 2016, 16, 95.	0.7	9
620	Central wave reflection is associated with peripheral arterial resistance in addition to arterial stiffness in subjects without antihypertensive medication. BMC Cardiovascular Disorders, 2016, 16, 131.	0.7	49
621	Arterial stiffness in hypertensive and type 2 diabetes patients in Ghana: comparison of the cardio-ankle vascular index and central aortic techniques. BMC Endocrine Disorders, 2016, 16, 53.	0.9	14
622	Relationship between aortic augmentation index and blood pressure during metaboreflex activation in healthy young men. Blood Pressure Monitoring, 2016, 21, 288-294.	0.4	5
623	Reply. Journal of Hypertension, 2016, 34, 2489-2490.	0.3	0
624	Increased Burden of Cerebral Small Vessel Disease in Patients With Type 2 Diabetes and Retinopathy. Diabetes Care, 2016, 39, 1614-1620.	4.3	55
625	Arterial Stiffness Is Positively Associated With 18F-fluorodeoxyglucose Positron Emission Tomographyâ€“Assessed Subclinical Vascular Inflammation in People With Early Type 2 Diabetes. Diabetes Care, 2016, 39, 1440-1447.	4.3	34
627	Pulse wave velocity in elastic and muscular arteries: tracking stability and association with anthropometric and hemodynamic measurements. Hypertension Research, 2016, 39, 786-791.	1.5	27
628	SIRT1 in Endothelial Cells as a Novel Target for the Prevention of Early Vascular Aging. Journal of Cardiovascular Pharmacology, 2016, 67, 465-473.	0.8	38
629	Comparative Study of the Efficacy of Olmesartan/Amlodipine vs. Perindopril/Amlodipine in Peripheral and Central Blood Pressure Parameters After Missed Dose in Type 2 Diabetes. American Journal of Hypertension, 2016, 29, 1055-1062.	1.0	7
630	Ablation of Adenosine Monophosphate-Activated Protein Kinase Î±1 in Vascular Smooth Muscle Cells Promotes Diet-Induced Atherosclerotic Calcification In Vivo. Circulation Research, 2016, 119, 422-433.	2.0	83

#	Article	IF	Citations
631	Aortic Stiffness in Youth with Hypertrophic Cardiomyopathy Genotype. Pediatric Cardiology, 2016, 37, 932-937.	0.6	0
632	Mechanical heterogeneities in the subendothelial matrix develop with age and decrease with exercise. Journal of Biomechanics, 2016, 49, 1447-1453.	0.9	29
633	The role of abnormal metabolic conditions on arterial stiffness in healthy subjects with no drug treatment. Clinical Hypertension, 2016, 22, 13.	0.7	7
634	Feasibility of a clinical trial to assess the effect of dietary calciumv.supplemental calcium on vascular and bone markers in healthy postmenopausal women. British Journal of Nutrition, 2016, 116, 104-114.	1.2	4
635	Aortic stiffness and change in glomerular filtration rate and albuminuria in older people. Nephrology Dialysis Transplantation, 2017, 32, gfw050.	0.4	12
636	Physiological geroscience: targeting function to increase healthspan and achieve optimal longevity. Journal of Physiology, 2016, 594, 2001-2024.	1.3	206
637	Arterial stiffness and sedentary lifestyle: Role of oxidative stress. Vascular Pharmacology, 2016, 79, 1-5.	1.0	45
638	Ten-year longitudinal change in aortic stiffness assessed by cardiac MRI in the second half of the human lifespan: the multi-ethnic study of atherosclerosis. European Heart Journal Cardiovascular Imaging, 2016, 17, 1044-1053.	0.5	52
639	Aorta calcification burden: Towards an integrative predictor of cardiac outcome after transcatheter aortic valve implantation. Atherosclerosis, 2016, 246, 161-168.	0.4	21
640	Heart Disease and Stroke Statisticsâ€”2016 Update. Circulation, 2016, 133, e38-360.	1.6	5,447
641	Association of arterial stiffness with progression of subclinical brain and cognitive disease. Neurology, 2016, 86, 619-626.	1.5	97
642	Evaluating the Hemodynamic Basis of Age-Related Central Blood Pressure Change Using Aortic Flow Triangulation. American Journal of Hypertension, 2016, 29, 178-184.	1.0	10
643	Circulating Adipokines and Vascular Function. Hypertension, 2016, 67, 294-300.	1.3	36
644	Arterial stiffness, atherosclerosis and cardiovascular risk: Pathophysiologic mechanisms and emerging clinical indications. Vascular Pharmacology, 2016, 77, 1-7.	1.0	338
645	High frame rate and high line density ultrasound imaging for local pulse wave velocity estimation using motion matching: A feasibility study on vessel phantoms. Ultrasonics, 2016, 67, 41-54.	2.1	12
646	Traditional and emerging indicators of cardiovascular risk in chronic obstructive pulmonary disease. Chronic Respiratory Disease, 2016, 13, 247-255.	1.0	10
647	Aortic Pulse Pressure Amplification Imputed From Simple Clinical Measures Adds to the Ability of Brachial Pressure to Predict Survival. American Journal of Hypertension, 2016, 29, 754-762.	1.0	8
648	Arterial Stiffness, Central Pulsatile Hemodynamic Load, and Orthostatic Hypotension. Journal of Clinical Hypertension, 2016, 18, 655-662.	1.0	13

#	Article	IF	Citations
649	The Noninvasive Assessment of Vascular Aging. Canadian Journal of Cardiology, 2016, 32, 669-679.	0.8	71
650	Effects of sodium nitrite supplementation on vascular function and related small metabolite signatures in middle-aged and older adults. Journal of Applied Physiology, 2016, 120, 416-425.	1.2	58
651	Endothelial Mineralocorticoid Receptor Mediates Diet-Induced Aortic Stiffness in Females. Circulation Research, 2016, 118, 935-943.	2.0	142
652	Acute benefits of the microbial-derived isoflavone metabolite equol on arterial stiffness in men prospectively recruited according to equol producer phenotype: a double-blind randomized controlled trial. American Journal of Clinical Nutrition, 2016, 103, 694-702.	2.2	109
653	A multi-omics glimpse into the biology of arterial stiffness. Journal of Hypertension, 2016, 34, 32-35.	0.3	2
654	Relations of circulating GDF-15, soluble ST2, and troponin-I concentrations with vascular function in the community: The Framingham Heart Study. Atherosclerosis, 2016, 248, 245-251.	0.4	53
655	Cardiorenal syndrome type 4: From chronic kidney disease to cardiovascular impairment. European Journal of Internal Medicine, 2016, 30, 1-6.	1.0	30
656	Effects of Arterial Stiffness on Brain Integrity in Young Adults From the Framingham Heart Study. Stroke, 2016, 47, 1030-1036.	1.0	99
657	Arterial stiffness: From surrogate marker to therapeutic targetâ˜†. Artery Research, 2016, 14, 10.	0.3	4
658	Combination therapy in hypertension: From effect on arterial stiffness and central haemodynamics to cardiovascular benefitsâ˜†. Artery Research, 2016, 14, 27.	0.3	3
659	Pulmonary Arterial Stiffness: Toward a New Paradigm in Pulmonary Arterial Hypertension Pathophysiology and Assessment. Current Hypertension Reports, 2016, 18, 4.	1.5	51
660	Origin of Matrix-Producing Cells That Contribute to Aortic Fibrosis in Hypertension. Hypertension, 2016, 67, 461-468.	1.3	65
661	American Society of Hypertension position paper: central blood pressure waveforms in health and disease. Journal of the American Society of Hypertension, 2016, 10, 22-33.	2.3	26
662	Volume elastic modulus of the brachial artery and coronary artery stenosis in patients with suspected stable coronary artery disease. Heart and Vessels, 2016, 31, 1467-1475.	0.5	1
663	Sleep disruptions increase arterial stiffness. International Journal of Cardiology, 2016, 203, 744-745.	0.8	1
664	Seeking a blood pressure-independent measure of vascular properties. Hypertension Research, 2016, 39, 27-38.	1.5	13
665	Association of Ideal Cardiovascular Health and Brachialâ€“Ankle Pulse Wave Velocity: A Cross-Sectional Study in Northern China. Journal of Stroke and Cerebrovascular Diseases, 2016, 25, 41-48.	0.7	32
666	Pulse Pressure Amplification and Arterial Stiffness in Low-Risk, Uncomplicated Pregnancies. Angiology, 2016, 67, 375-383.	0.8	15

#	Article	IF	Citations
667	Abnormalities of vascular structure and function in pediatric hypertension. Pediatric Nephrology, 2016, 31, 1061-1070.	0.9	35
668	Modification over time of pulse wave velocity parallel to changes in aortic BP, as well as in 24-h ambulatory brachial BP. Journal of Human Hypertension, 2016, 30, 186-190.	1.0	2
669	Pulse wave velocity correlates with aortic atherosclerosis assessed with transesophageal echocardiography. Journal of Human Hypertension, 2016, 30, 90-94.	1.0	7
670	Hypertension, Diabetes Type II, and Their Association: Role of Arterial Stiffness. American Journal of Hypertension, 2016, 29, 5-13.	1.0	70
671	Associations of central and brachial blood pressure with cognitive function: a population-based study. Journal of Human Hypertension, 2016, 30, 95-99.	1.0	8
672	Endothelial dysfunction and vascular stiffness in women with previous pregnancy complicated by early or late preâ€eclampsia. Ultrasound in Obstetrics and Gynecology, 2017, 49, 116-123.	0.9	54
673	Pulse Wave Velocity in Kawasaki Disease. Angiology, 2017, 68, 189-195.	0.8	4
674	Assessment of pulse arrival time for arterial stiffness monitoring on body composition scales. Computers in Biology and Medicine, 2017, 85, 135-142.	3.9	8
675	Postural Changes in Measures of Arterial Stiffness in Hypertensive Subjects on Antihypertensive Drug Therapy: A Prospective, Pilot Study. International Journal of Angiology, 2017, 26, 078-082.	0.2	0
676	Influence of blood flow velocity on arterial distensibility of carotid artery in healthy men. Journal of Physiological Sciences, 2017, 67, 191-196.	0.9	10
677	Schwann cells and neurite outgrowth from embryonic dorsal root ganglions are highly mechanosensitive. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 493-501.	1.7	40
678	Outpatient measurement of arterial stiffness in patients with type 2 diabetes and obesity. Journal of Diabetes, 2017, 9, 237-242.	0.8	5
679	Reflection Magnitude, a Measure of Arterial Stiffness, Predicts Incident Heart Failure in Men But Not Women: Multi-Ethnic Study of Atherosclerosis (MESA). Journal of Cardiac Failure, 2017, 23, 353-362.	0.7	15
680	Pulse wave imaging using coherent compounding in a phantom andin vivo. Physics in Medicine and Biology, 2017, 62, 1700-1730.	1.6	37
681	Relations Between Aortic Stiffness and Left Ventricular Mechanical Function in the Community. Journal of the American Heart Association, 2017, 6, .	1.6	57
682	Physician step prescription and monitoring to improve <scp>ARTERial</scp> health (<scp>SMARTER</scp>): A randomized controlled trial in patients with type 2 diabetes and hypertension. Diabetes, Obesity and Metabolism, 2017, 19, 695-704.	2.2	58
683	Heart Disease and Stroke Statisticsâ€”2017 Update: A Report From the American Heart Association. Circulation, 2017, 135, e146-e603.	1.6	7,085
684	A comprehensive analysis of cardiac valve plane displacement in healthy adults: age-stratified normal values by cardiac magnetic resonance. International Journal of Cardiovascular Imaging, 2017, 33, 721-729.	0.7	20

#	Article	IF	Citations
685	Associations between common carotid artery diameter, Framingham risk score and cardiovascular events. Nutrition, Metabolism and Cardiovascular Diseases, 2017, 27, 329-334.	1.1	15
686	Aortic length measurements for pulse wave velocity calculation: manual 2D vs automated 3D centreline extraction. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 32.	1.6	14
687	Peripheral Arteries May Be Reliable Indicators of Coronary Vascular Disease. Anatomical Record, 2017, 300, 1230-1239.	0.8	4
688	Re: Endothelial dysfunction and vascular stiffness in women with previous pregnancy complicated by early or late preâ€eclampsia. R. Orabona, E. Sciatti, E. Vizzardi, I. Bonadei and A. Valcamonico. Ultrasound Obstet Gynecol 2017; 49: 116â€“123.. Ultrasound in Obstetrics and Gynecology, 2017, 49, 22-23.	0.9	2
689	Effect of linagliptin on pulse wave velocity in early type 2 diabetes: <scp>A</scp> randomized, doubleâ€blind, controlled 26â€week trial (<scp>RELEASE</scp>). Diabetes, Obesity and Metabolism, 2017, 19, 1147-1154.	2.2	33
690	Nitrate and Nitrite in Aging and Age-Related Disease. , 2017, , 259-277.		2
691	Effect of Resistance Exercise on Arterial Stiffness during the Follicular and Luteal Phases of the Menstrual Cycle. International Journal of Sports Medicine, 2017, 38, 347-352.	0.8	18
692	Relationships between urinary electrolytes excretion and central hemodynamics, and arterial stiffness in hypertensive patients. Hypertension Research, 2017, 40, 746-751.	1.5	23
693	Clinical impact of angiotensin I converting enzyme polymorphisms in subjects with resistant hypertension. Molecular and Cellular Biochemistry, 2017, 430, 91-98.	1.4	6
694	Validation of an Adaptive Transfer Function Method to Estimate the Aortic Pressure Waveform. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 1599-1606.	3.9	11
695	In vivo quantification of aortic stiffness using <scp>MR</scp> elastography in hypertensive porcine model. Magnetic Resonance in Medicine, 2017, 78, 2315-2321.	1.9	13
696	Aorticâ€“Brachial Arterial Stiffness Gradient and Cardiovascular Risk in the Community. Hypertension, 2017, 69, 1022-1028.	1.3	54
697	Ethnic differences regarding arterial stiffness of 6â€8â€year-old black and white boys. Journal of Hypertension, 2017, 35, 960-967.	0.3	54
698	Absence of Endothelial ERÎ± Results in Arterial Remodeling and Decreased Stiffness in Western Dietâ€“Fed Male Mice. Endocrinology, 2017, 158, 1875-1885.	1.4	10
699	Arterial stiffness and elevated left ventricular filling pressure in patients at risk for the development or a previous diagnosis of HFâ€”A subgroup analysis from the DIAST-CHF study. Journal of the American Society of Hypertension, 2017, 11, 303-313.	2.3	18
700	The association between ghrelin levels and markers of arterial stiffness and inflammatory markers in Saudi subjects with metabolic syndrome. Diabetes and Metabolic Syndrome: Clinical Research and Reviews, 2017, 11, S721-S725.	1.8	2
701	Association between cumulative exposure to ideal cardiovascular health and arterial stiffness. Atherosclerosis, 2017, 260, 56-62.	0.4	25
702	Changes in high-density lipoprotein-carried miRNA contribution to the plasmatic pool after consumption of dietarytransfat in healthy men. Epigenomics, 2017, 9, 669-688.	1.0	21

#	Article	IF	Citations
703	Aortic backward waves rather than stiffness account for independent associations between pulse pressure amplification and left ventricular mass in a young to middle-aged sample. Journal of the American Society of Hypertension, 2017, 11, 350-358.e2.	2.3	7
704	Total arterial compliance, estimated by a novel method, is better related to left ventricular mass compared to aortic pulse wave velocity: The SAFAR study. Clinical and Experimental Hypertension, 2017, 39, 271-276.	0.5	6
705	Time to the peak of the aortic forward wave determines the impact of aortic backward wave and pulse pressure on left ventricular mass. Journal of Hypertension, 2017, 35, 300-309.	0.3	6
706	Associations of risk factors in childhood with arterial stiffness 26 years later. Journal of Hypertension, 2017, 35, S10-S15.	0.3	39
707	Absence of resting cardiovascular dysfunction in middle-aged endurance-trained athletes with exaggerated exercise blood pressure responses. Journal of Hypertension, 2017, 35, 1586-1593.	0.3	16
708	The Effect of Revascularization on the Hemodynamic Profile of Patients with Infrarenal Aortic Occlusion. Annals of Vascular Surgery, 2017, 43, 210-217.	0.4	2
709	Different Relationship Between Physical Activity, Arterial Stiffness, and Metabolic Status in Obese Subjects. Journal of Physical Activity and Health, 2017, 14, 716-725.	1.0	5
710	The role of initial and longitudinal change in blood pressure on progression of arterial stiffness among multiethnic middle-aged men. Journal of Hypertension, 2017, 35, 111-117.	0.3	9
711	Cardiovascular Risk Factors and Disease Characteristics Are Consistently Associated with Arterial Function in Rheumatoid Arthritis. Journal of Rheumatology, 2017, 44, 1125-1133.	1.0	12
712	Sex differences in aortic augmentation index in adolescents. Journal of Hypertension, 2017, 35, 2016-2024.	0.3	13
713	Influence of carotid atherosclerotic plaques on pulse wave assessment with arterial tonometry. Journal of Hypertension, 2017, 35, 1609-1617.	0.3	9
714	Is Hepatic Triglyceride Content Associated with Aortic Pulse Wave Velocity and Carotid Intima-Media Thickness? The Netherlands Epidemiology of Obesity Study. Radiology, 2017, 285, 73-82.	3.6	3
715	Prevalence, Correlates, and Prognosis of Healthy Vascular Aging in a Western Community-Dwelling Cohort. Hypertension, 2017, 70, 267-274.	1.3	95
716	Brachialâ€“Ankle Pulse Wave Velocity as a Predictor of Silent Cerebral Embolism after Carotid Artery Stenting. Journal of Stroke and Cerebrovascular Diseases, 2017, 26, 2329-2335.	0.7	5
717	Twenty-four-hour central blood pressure is not better associated with hypertensive target organ damage than 24-h peripheral blood pressure. Journal of Hypertension, 2017, 35, 2000-2005.	0.3	23
718	Performance Investigation of a Wearable Distributed-Deflection Sensor in Arterial Pulse Waveform Measurement. IEEE Sensors Journal, 2017, 17, 3994-4004.	2.4	15
719	Cardiovascular risk and hypertension control in Italy. Data from the 2015 World Hypertension Day. International Journal of Cardiology, 2017, 243, 529-532.	0.8	17
720	Role of nebivolol in the control and management of central aortic blood pressure in hypertensive patients. Journal of Human Hypertension, 2017, 31, 605-610.	1.0	9

#	Article	IF	Citations
721	The relationship between cardioâ€ankle vascular index and subclinical atherosclerosis evaluated by cardiac computed tomographic angiography. Clinical Cardiology, 2017, 40, 549-553.	0.7	8
722	Association between long-term blood pressure control and ten-year progression in carotid arterial stiffness among hypertensive individuals. Journal of Hypertension, 2017, 35, 862-869.	0.3	14
723	Carotid Î²-stiffness index is associated with slower processing speed but not working memory or white matter integrity in healthy middle-aged/older adults. Journal of Applied Physiology, 2017, 122, 868-876.	1.2	25
724	Sweet potato (Ipomoea batatas) attenuates diet-induced aortic stiffening independent of changes in body composition. Applied Physiology, Nutrition and Metabolism, 2017, 42, 802-809.	0.9	6
725	Association between central blood pressure, arterial stiffness, and mild cognitive impairment. Clinical Hypertension, 2017, 23, 2.	0.7	17
726	Central hemodynamics and arterial stiffness in idiopathic and multiple system atrophy. Journal of Neurology, 2017, 264, 327-332.	1.8	3
727	Arterial Stiffness and Risk of Overall Heart Failure, Heart Failure With Preserved Ejection Fraction, and Heart Failure With Reduced Ejection Fraction. Hypertension, 2017, 69, 267-274.	1.3	62
728	Resting Heart Rate Trajectory Pattern Predicts Arterial Stiffness in a Community-Based Chinese Cohort. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 359-364.	1.1	55
729	Hypertensive target organ damage is better associated with central than brachial blood pressure: The Northern Shanghai Study. Journal of Clinical Hypertension, 2017, 19, 1269-1275.	1.0	17
730	Central Iliac Arteriovenous Anastomosis for Uncontrolled Hypertension. Hypertension, 2017, 70, 1099-1105.	1.3	44
731	Association Between Living in Food Deserts and Cardiovascular Risk. Circulation: Cardiovascular Quality and Outcomes, 2017, 10, .	0.9	57
732	Aortic Stiffness in Aging and Hypertension: Prevention and Treatment with Habitual Aerobic Exercise. Current Hypertension Reports, 2017, 19, 90.	1.5	26
733	The effect of sacubitril/valsartan compared to olmesartan on cardiovascular remodelling in subjects with essential hypertension: the results of a randomized, double-blind, active-controlled study. European Heart Journal, 2017, 38, 3308-3317.	1.0	112
734	Baseline aortic pulse wave velocity is associated with central and peripheral pressor responses during the cold pressor test in healthy subjects. Physiological Reports, 2017, 5, e13357.	0.7	6
735	Clinical Practice Guideline for Screening and Management of High Blood Pressure in Children and Adolescents. Pediatrics, 2017, 140, .	1.0	2,199
736	Targeted LOWering of Central Blood Pressure in patients with hypertension: Baseline recruitment, rationale and design of a randomized controlled trial (The LOW CBP study). Contemporary Clinical Trials, 2017, 62, 37-42.	0.8	8
737	Contribution of backward and forward wave pressures to age-related increases in aortic pressure in a community sample not receiving antihypertensive therapy. Journal of the American Society of Hypertension, 2017, 11, 616-626.e2.	2.3	13
738	Carotid stiffness, extra-media thickness and visceral adiposity in young adults. Atherosclerosis, 2017, 265, 140-146.	0.4	20

#	Article	IF	Citations
739	New approach to arterial stiffness: BP-independent local carotid stiffness. Hypertension Research, 2017, 40, 910-911.	1.5	2
740	Interâ€Relations of Orthostatic Blood Pressure Change, Aortic Stiffness, and Brain Structure and Function in Young Adults. Journal of the American Heart Association, 2017, 6, .	1.6	18
741	Soy Improves Cardiometabolic Health and Cecal Microbiota in Female Low-Fit Rats. Scientific Reports, 2017, 7, 9261.	1.6	43
742	Central diastolic pressure exponential decay constant and subendocardial flow supply. Journal of Hypertension, 2017, 35, 1958-1962.	0.3	6
743	Subclinical Atherosclerosis in Youth: Relation to Obesity, Insulin Resistance, and Polycystic Ovary Syndrome. Journal of Pediatrics, 2017, 190, 14-20.	0.9	6
744	Increased augmentation index and central systolic arterial pressure are associated with lower school and motor performance in young adolescents. Journal of International Medical Research, 2017, 45, 1892-1900.	0.4	4
745	Effect of upper body position on arterial stiffness. Journal of Hypertension, 2017, 35, 2454-2461.	0.3	26
746	Pressure Paradox. Hypertension, 2017, 70, 493-495.	1.3	4
747	Association between arterial stiffness and peripheral artery disease as measured by radial artery tonometry. Journal of Vascular Surgery, 2017, 66, 1518-1526.	0.6	37
748	Techniques of determining arterial stiffness in clinical practice. , 2017, , .		1
749	Is Persistent Office Hypertension in Treated Hypertensive Patients a Benign Condition?. Journal of Clinical Hypertension, 2017, 19, 11-12.	1.0	0
750	Impact of aortic rather than brachial pulsatile haemodynamics on variations in end-organ measures across the full adult blood pressure range. Journal of Hypertension, 2017, 35, 2443-2453.	0.3	5
751	Reply. Journal of Hypertension, 2017, 35, 1326-1327.	0.3	0
752	Association between arterial stiffness and left ventricular diastolic function in relation to gender and age. Medicine (United States), 2017, 96, e5783.	0.4	31
753	Disturbed Flow Promotes Arterial Stiffening Through Thrombospondin-1. Circulation, 2017, 136, 1217-1232.	1.6	48
754	Obesity is associated with an altered HDL subspecies profile among adolescents with metabolic disease. Journal of Lipid Research, 2017, 58, 1916-1923.	2.0	20
755	Hesperidin reverses perivascular adipose-mediated aortic stiffness with aging. Experimental Gerontology, 2017, 97, 68-72.	1.2	20
756	Stiff Substrates Increase Inflammation-Induced Endothelial Monolayer Tension and Permeability. Biophysical Journal, 2017, 113, 645-655.	0.2	41

#	Article	IF	Citations
757	Time-Harmonic Ultrasound elastography of the Descending Abdominal Aorta: Initial Results. Ultrasound in Medicine and Biology, 2017, 43, 2550-2557.	0.7	8
758	Disease duration of rheumatoid arthritis is a predictor of vascular stiffness. Medicine (United States), 2017, 96, e7862.	0.4	25
759	Childhood Socioeconomic Status and Arterial Stiffness in Adulthood. Hypertension, 2017, 70, 729-735.	1.3	24
760	Gap junction-mediated regulation of endothelial cellular stiffness. Scientific Reports, 2017, 7, 6134.	1.6	44
761	Relationship between kidney findings and systemic vascular damage in elderly hypertensive patients without overt cardiovascular disease. Journal of Clinical Hypertension, 2017, 19, 1339-1347.	1.0	11
762	Correlates and assessment of excess cardiovascular risk in bronchiectasis. European Respiratory Journal, 2017, 50, 1701127.	3.1	23
763	Modifiable Risk Factors for Cardiovascular Disease in Children with Type 1 Diabetes: Can Early Intervention Prevent Future Cardiovascular Events?. Current Diabetes Reports, 2017, 17, 134.	1.7	35
764	Prehypertension and high serum uric acid increase risk of arterial stiffness. Scandinavian Journal of Clinical and Laboratory Investigation, 2017, 77, 673-678.	0.6	5
765	Comparison of arterial stiffness/compliance in the ascending aorta and common carotid artery in healthy subjects and its impact on left ventricular structure and function. International Journal of Cardiovascular Imaging, 2017, 33, 521-531.	0.7	13
766	Aortic Arch Pulse Wave Velocity Assessed by Magnetic Resonance Imaging as a Predictor of Incident Cardiovascular Events. Hypertension, 2017, 70, 524-530.	1.3	67
767	Dairy Consumption and Age-Related Vascular Dysfunction. , 2017, , 273-286.		1
768	Cardiometabolic Determinants of Carotid and Aortic Distensibility From Childhood to Early Adulthood. Hypertension, 2017, 70, 452-460.	1.3	34
769	The Relationship between Pulse Wave Velocity and Coronary Artery Stenosis and Percutaneous Coronary Intervention: a retrospective observational study. BMC Cardiovascular Disorders, 2017, 17, 45.	0.7	7
770	Pulse Waves. , 2017, , .		28
771	Pulse Wave Velocity and Arterial Stiffness Assessment. , 2017, , 19-68.		2
772	Central Blood Pressure: Part 2, Pulse Wave Analysis. , 2017, , 109-173.		0
773	Association Between Long-Term Blood Pressure Variability and 10-Year Progression in Arterial Stiffness. Hypertension, 2017, 69, 118-127.	1.3	67
774	Second derivative of the finger photoplethysmogram and cardiovascular mortality in middle-aged and elderly Japanese women. Hypertension Research, 2017, 40, 207-211.	1.5	22

#	Article	IF	Citations
775	Association between uterine artery Doppler blood flow changes and arterial wall elasticity in pregnant women. Journal of Maternal-Fetal and Neonatal Medicine, 2017, 30, 2309-2314.	0.7	3
776	Increased pulse wave velocity in patients with acute lacunar infarction doubled the risk of future ischemic stroke. Hypertension Research, 2017, 40, 371-375.	1.5	15
777	Effects of statin therapy on arterial stiffness: A systematic review and meta-analysis of randomized controlled trial. International Journal of Cardiology, 2017, 227, 338-341.	0.8	77
778	Noninvasive Regional Aortic Stiffness for Monitoring the Early Stage of Abdominal Aortic Aneurysm in Mice. Heart Lung and Circulation, 2017, 26, 395-403.	0.2	3
779	Mesoporous silica nanoparticles as a new carrier methodology in the controlled release of the active components in a polypill. European Journal of Pharmaceutical Sciences, 2017, 97, 1-8.	1.9	42
780	Micro<scp>RNA</scp>â€203 mimics ageâ€related aortic smooth muscle dysfunction of cytoskeletal pathways. Journal of Cellular and Molecular Medicine, 2017, 21, 81-95.	1.6	29
781	Fuzhuan tea reverses arterial stiffening after modest weight gain in mice. Nutrition, 2017, 33, 266-270.	1.1	14
782	Impact of Decreased Serum Insulin-Like Growth Factor-1 Levels on Central Aortic Compliance in Small-for-Gestational-Age Infants. Neonatology, 2017, 111, 30-36.	0.9	4
783	Short-term atorvastatin therapy improves arterial stiffness of middle-aged systemic lupus erythematosus patients with pathological pulse wave velocity. Lupus, 2017, 26, 355-364.	0.8	24
784	Dietary rapamycin supplementation reverses ageâ€related vascular dysfunction and oxidative stress, while modulating nutrientâ€sensing, cell cycle, and senescence pathways. Aging Cell, 2017, 16, 17-26.	3.0	123
785	Nutrition and other lifestyle influences on arterial aging. Ageing Research Reviews, 2017, 39, 106-119.	5.0	68
786	The therapeutic effect of rosuvastatin and propylthiouracil on ameliorating high-cholesterol diet-induced rabbit aortic atherosclerosis and stiffness. International Journal of Cardiology, 2017, 227, 938-949.	0.8	11
787	Arterial Stiffness in Treated Hypertensive Patients With Whiteâ€Coat Hypertension. Journal of Clinical Hypertension, 2017, 19, 6-10.	1.0	10
788	Increased Aortic Calcification Is Associated With Arterial Stiffness Progression in Multiethnic Middle-Aged Men. Hypertension, 2017, 69, 102-108.	1.3	51
789	Importance of arterial stiffness in predicting cardiovascular events. Romanian Journal of Internal Medicine = Revue Roumaine De Medecine Interne, 2017, 55, 8-13.	0.3	8
790	Clinical interaction between diabetes duration and aortic stiffness in type 2 diabetes mellitus. Journal of Human Hypertension, 2017, 31, 189-194.	1.0	20
791	The importance of accurate measurement of aortic stiffness in patients with chronic kidney disease and end-stage renal disease. CKJ: Clinical Kidney Journal, 2017, 10, 503-515.	1.4	17
792	Central Hemodynamics for Management of Arteriosclerotic Diseases. Journal of Atherosclerosis and Thrombosis, 2017, 24, 765-778.	0.9	10

#	Article	IF	Citations
793	Recent clinical trial of central hemodynamics. Vascular Failure, 2017, 1, 9-14.	0.2	0
794	Aldosterone breakthrough does not alter central hemodynamics. JRAAS - Journal of the Renin-Angiotensin-Aldosterone System, 2017, 18, 147032031773500.	1.0	2
795	Examination of Arterial Stiffness and Neurodynamics of Middle-Aged Individuals: A Pilot Study. Cardiopulmonary Physical Therapy Journal, 2017, 28, 147-153.	0.2	1
796	The Role of MicroRNAs in Arterial Stiffness and Arterial Calcification. An Update and Review of the Literature. Frontiers in Genetics, 2017, 8, 209.	1.1	38
797	Superior Effects of High-Intensity Interval Training vs. Moderate Continuous Training on Arterial Stiffness in Episodic Migraine: A Randomized Controlled Trial. Frontiers in Physiology, 2017, 8, 1086.	1.3	28
798	Local versus global aortic pulse wave velocity in early atherosclerosis: An animal study in ApoE-/--mice using ultrahigh field MRI. PLoS ONE, 2017, 12, e0171603.	1.1	11
799	Evolution of aortic pressure during normal ageing: A model-based study. PLoS ONE, 2017, 12, e0182173.	1.1	25
800	Assessment of local pulse wave velocity distribution in mice using k-t BLAST PC-CMR with semi-automatic area segmentation. Journal of Cardiovascular Magnetic Resonance, 2017, 19, 77.	1.6	13
801	Arterial stiffness and its association with clustering of metabolic syndrome risk factors. Diabetology and Metabolic Syndrome, 2017, 9, 87.	1.2	37
802	Pulsometric Analysis of the Functional State of Cardiovascular System in Humans. Human Physiology, 2017, 43, 653-661.	0.1	4
803	Sclerostin is a possible candidate marker of arterial stiffness: Results from a cohort study in Catania. Molecular Medicine Reports, 2017, 15, 3420-3424.	1.1	25
804	Color M-mode echocardiography-derived propagation velocity of descending aorta decreases with aging. Therapeutics and Clinical Risk Management, 2017, Volume 13, 669-674.	0.9	0
805	Xuezhikang reduced arterial stiffness in patients with essential hypertension: a preliminary study. Brazilian Journal of Medical and Biological Research, 2017, 50, e6363.	0.7	8
806	ARTERIAL STIFFNESS AND CARDIOVASCULAR RISK FACTORS IN YOUNG MEN (41-44 YEARS). Rational Pharmacotherapy in Cardiology, 2017, 13, 290-300.	0.3	2
807	Smooth Muscle Cellâ€“Mineralocorticoid Receptor as a Mediator of Cardiovascular Stiffness With Aging. Hypertension, 2018, 71, 609-621.	1.3	60
808	Association between short sleep duration and carotid atherosclerosis modified by age in a Chinese community population. Journal of Epidemiology and Community Health, 2018, 72, 539-544.	2.0	6
809	Arterial Phantoms with Regional Variations in Wall Stiffness and Thickness. Ultrasound in Medicine and Biology, 2018, 44, 872-883.	0.7	13
810	Central Blood Pressure and Cardiovascular Outcomes in Chronic Kidney Disease. Clinical Journal of the American Society of Nephrology: CJASN, 2018, 13, 585-595.	2.2	24

#	Article	IF	Citations
811	Arterial Stiffness and Vascular Aging: From Pathophysiology to Treatment, with a Look at the Future. High Blood Pressure and Cardiovascular Prevention, 2018, 25, 135-136.	1.0	9
812	Cardioâ€“ankle vascular index and carotidâ€“femoral pulse wave velocity. Journal of Hypertension, 2018, 36, 759-764.	0.3	4
813	Carotid Artery Stiffness Assessment by Ultrafast Ultrasound Imaging: Feasibility and Potential Influencing Factors. Journal of Ultrasound in Medicine, 2018, 37, 2759-2767.	0.8	15
814	The Role of Central Blood Pressure Monitoring in the Management of Hypertension. Current Cardiology Reports, 2018, 20, 41.	1.3	7
815	Aortic Pulse Pressure Does Not Adequately Index Cardiovascular Risk Factor-Related Changes in Aortic Stiffness and Forward Wave Pressure. American Journal of Hypertension, 2018, 31, 981-987.	1.0	6
816	Reference intervals and percentiles for carotidâ€femoral pulse wave velocity in a healthy population aged between 9 and 87Âyears. Journal of Clinical Hypertension, 2018, 20, 659-671.	1.0	28
817	Chronic Supplementation With a Mitochondrial Antioxidant (MitoQ) Improves Vascular Function in Healthy Older Adults. Hypertension, 2018, 71, 1056-1063.	1.3	280
818	Impact of different coarctation therapies on aortic stiffness: phase-contrast MRI study. International Journal of Cardiovascular Imaging, 2018, 34, 1459-1469.	0.7	17
819	Nitrate, the oral microbiome, and cardiovascular health: a systematic literature review of human and animal studies. American Journal of Clinical Nutrition, 2018, 107, 504-522.	2.2	49
820	Temporal Changes in Cardiovascular Remodeling Associated with Football Participation. Medicine and Science in Sports and Exercise, 2018, 50, 1892-1898.	0.2	13
821	Imaging Insights on the Aorta in Aging. Circulation: Cardiovascular Imaging, 2018, 11, e005617.	1.3	44
822	Artificial Intelligence Estimation of Carotid-Femoral Pulse Wave Velocity using Carotid Waveform. Scientific Reports, 2018, 8, 1014.	1.6	46
823	TGFÎ²1 reinforces arterial aging in the vascular smooth muscle cell through a long-range regulation of the cytoskeletal stiffness. Scientific Reports, 2018, 8, 2668.	1.6	33
824	Diagnostic and Prognostic Significance of Blood Pressure Indices. Updates in Hypertension and Cardiovascular Protection, 2018, , 11-21.	0.1	1
825	Central blood pressure variability is increased in hypertensive patients with target organ damage. Journal of Clinical Hypertension, 2018, 20, 266-272.	1.0	10
826	Elevated pulse amplification in hypertensive patients with advanced kidney disease. Hypertension Research, 2018, 41, 299-307.	1.5	3
827	Effects of Static Stretching Exercise on Lumbar Flexibility and Central Arterial Stiffness. Journal of Cardiovascular Nursing, 2018, 33, 322-328.	0.6	11
828	Heart Disease and Stroke Statisticsâ€”2018 Update: A Report From the American Heart Association. Circulation, 2018, 137, e67-e492.	1.6	5,228

#	Article	IF	Citations
829	Comparison of laboratory and ambulatory measures of central blood pressure and pulse wave reflection: hitting the target or missing the mark?. Journal of the American Society of Hypertension, 2018, 12, 275-284.	2.3	7
830	Different effects of apnea during rapid eye movement period on peripheral arterial stiffness in obstructive sleep apnea. Atherosclerosis, 2018, 269, 166-171.	0.4	7
831	Caloric restriction lowers endocannabinoid tonus and improves cardiac function in type 2 diabetes. Nutrition and Diabetes, 2018, 8, 6.	1.5	26
832	Association of Habitual Physical Activity With Cardiovascular Risk Factors and Target Organ Damage in Adolescents and Young Adults. Journal of Physical Activity and Health, 2018, 15, 176-182.	1.0	13
833	Relationship of Arterial Stiffness Index and Pulse Pressure With Cardiovascular Disease and Mortality. Journal of the American Heart Association, 2018, 7, .	1.6	142
834	Characterizing the relationship between flow-mediated vasodilation and radial artery tonometry in peripheral artery disease. Journal of Surgical Research, 2018, 224, 121-131.	0.8	7
835	In vitro validation of measurement of volume elastic modulus using photoplethysmography. Medical Engineering and Physics, 2018, 52, 10-21.	0.8	3
836	Metabolic Predictors of Change in Vascular Function. Hypertension, 2018, 71, 237-242.	1.3	22
837	Long-Term Improvement in Aortic Pulse Wave Velocity After Weight Loss Can Be Predicted by White Adipose Tissue Factors. American Journal of Hypertension, 2018, 31, 450-457.	1.0	12
838	Utility of arterial stiffness assessment in children. Cardiology in the Young, 2018, 28, 362-376.	0.4	18
839	Prognostic significance of arterial stiffness and osteoprotegerin in patients with stable coronary artery disease. European Journal of Clinical Investigation, 2018, 48, e12890.	1.7	22
840	Comparisons of the Framingham and Pooled Cohort Equation Risk Scores for Detecting Subclinical Vascular Disease in Blacks Versus Whites. American Journal of Cardiology, 2018, 121, 564-569.	0.7	32
841	Central and Brachial Blood Pressures, Statins, and Low-Density Lipoprotein Cholesterol. Hypertension, 2018, 71, 415-421.	1.3	13
842	Assessment of arterial stiffness in patients with familial hypercholesterolemia. Journal of Clinical Lipidology, 2018, 12, 397-402.e2.	0.6	18
843	GLUT10 maintains the integrity of major arteries through regulation of redox homeostasis and mitochondrial function. Human Molecular Genetics, 2018, 27, 307-321.	1.4	19
844	Children with kawasaki disease present elevated stiffness of great arteries: Phaseâ€contrast MRI study. Journal of Magnetic Resonance Imaging, 2018, 48, 1228-1236.	1.9	5
845	The effects of age on pulse wave velocity in untreated hypertension. Journal of Clinical Hypertension, 2018, 20, 258-265.	1.0	36
846	Lipid Parameters are Independently Associated with Cardioâ€“Ankle Vascular Index (CAVI) in Healthy Japanese Subjects. Journal of Atherosclerosis and Thrombosis, 2018, 25, 621-633.	0.9	26

#	Article	IF	Citations
847	Association of Pulse Wave Velocity With Chronic Kidney Disease Progression and Mortality. Hypertension, 2018, 71, 1101-1107.	1.3	99
848	Mecanismos de envejecimiento vascular: Â¿QuÃ© podemos aprender del sÃndrome de progeria de Hutchinson-Gilford?. ClÃnica E InvestigaciÃ³n En Arteriosclerosis, 2018, 30, 120-132.	0.4	4
849	Effects of renal sympathetic denervation on myocardial structure, function and perfusion: A serial CMR study. Atherosclerosis, 2018, 272, 207-215.	0.4	5
850	Comparison of pulse wave velocity and pulse pressure amplification in association with target organ damage in community-dwelling elderly: The Northern Shanghai Study. Hypertension Research, 2018, 41, 372-381.	1.5	10
851	Beneficial Effects of Exercise on Subendothelial Matrix Stiffness Are Short-Lived. Journal of Biomechanical Engineering, 2018, 140, .	0.6	7
852	Doppler Echocardiography Assessment of Aortic Stiffness in Female Adolescents with Anorexia Nervosa. Journal of the American Society of Echocardiography, 2018, 31, 784-790.	1.2	13
853	Increased Pulse Wave Velocity in Systemic Lupus Erythematosus: A Meta-Analysis. Angiology, 2018, 69, 228-235.	0.8	20
854	Dietâ€induced earlyâ€stage atherosclerosis in baboons: Lipoproteins, atherogenesis, and arterial compliance. Journal of Medical Primatology, 2018, 47, 3-17.	0.3	21
855	The emerging role of curcumin for improving vascular dysfunction: A review. Critical Reviews in Food Science and Nutrition, 2018, 58, 2790-2799.	5.4	30
856	Mining the Stiffness-Sensitive Transcriptome in Human Vascular Smooth Muscle Cells Identifies Long Noncoding RNA Stiffness Regulators. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 164-173.	1.1	43
857	Sauna exposure leads to improved arterial compliance: Findings from a non-randomised experimental study. European Journal of Preventive Cardiology, 2018, 25, 130-138.	0.8	46
858	Short-Term Repeatability of Noninvasive Aortic Pulse Wave Velocity Assessment: Comparison Between Methods and Devices. American Journal of Hypertension, 2018, 31, 80-88.	1.0	50
859	Hemoglobin A1c and C-reactive protein are independently associated with blunted nocturnal blood pressure dipping in obesity-related prediabetes. Hypertension Research, 2018, 41, 33-38.	1.5	9
860	Mitochondria-targeted antioxidant therapy with MitoQ ameliorates aortic stiffening in old mice. Journal of Applied Physiology, 2018, 124, 1194-1202.	1.2	86
861	Validation of Central and Peripheral Non-Invasive Hemodynamic Variables Using an Oscillometric Method. High Blood Pressure and Cardiovascular Prevention, 2018, 25, 65-77.	1.0	8
862	Arterial stiffness as a risk factor for clinical hypertension. Nature Reviews Cardiology, 2018, 15, 97-105.	6.1	202
863	Relations of mitochondrial genetic variants to measures of vascular function. Mitochondrion, 2018, 40, 51-57.	1.6	7
864	Uric acid association with pulsatile and steady components of central and peripheral blood pressures. Journal of Hypertension, 2018, 36, 495-501.	0.3	3

#	Article	IF	Citations
865	The impact of accelerometer wear location on the relationship between step counts and arterial stiffness in adults treated for hypertension and diabetes. Journal of Science and Medicine in Sport, 2018, 21, 398-403.	0.6	12
866	Early Effects of Renal Replacement Therapy on Cardiovascular Comorbidity in Children With End-Stage Kidney Disease. Transplantation, 2018, 102, 484-492.	0.5	31
867	Aging in the Cardiovascular System: Lessons from Hutchinson-Gilford Progeria Syndrome. Annual Review of Physiology, 2018, 80, 27-48.	5.6	81
868	Adiposity, but not Obesity, Is Associated With Arterial Stiffness in Young Nulliparous Women. Reproductive Sciences, 2018, 25, 909-915.	1.1	4
869	Sexual dysfunction as a determinant of cardiovascular outcome in patients undergoing chronic hemodialysis. International Journal of Impotence Research, 2018, 30, 14-20.	1.0	9
870	Arterial stiffness, plasma atherogenic index and soluble cell adhesion molecules in healthy young adults with reduced physical activity. Archives of Physiology and Biochemistry, 2018, 124, 357-360.	1.0	4
871	Carotidâ€“Femoral Pulse Wave Velocity in the Prediction of Cardiovascular Events and Mortality: An Updated Systematic Review and Meta-Analysis. Angiology, 2018, 69, 617-629.	0.8	130
872	High-Fat, High-Sugar Diet-Induced Subendothelial Matrix Stiffening is Mitigated by Exercise. Cardiovascular Engineering and Technology, 2018, 9, 84-93.	0.7	4
873	Non-invasive assessment of patient-specific aortic haemodynamics from four-dimensional flow MRI data. Interface Focus, 2018, 8, 20170006.	1.5	9
874	Mild Elevation of Pulmonary Arterial Pressure as a Predictor of Mortality. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 509-516.	2.5	145
875	Effectiveness of a 4-week rehabilitation program on endothelial function, blood vessel elasticity in patients with chronic obstructive pulmonary disease. Journal of Thoracic Disease, 2018, 10, 6482-6490.	0.6	11
876	Knockdown of transglutaminase-2 prevents early age-induced vascular changes in mice. Acta Cirurgica Brasileira, 2018, 33, 991-999.	0.3	6
877	Genetic and environmental determinants of longitudinal stability of arterial stiffness and wave reflection. Journal of Hypertension, 2018, 36, 2316-2323.	0.3	5
878	Canakinumab: can it untie the Gordian knot of cardiovascular disease in patients with familial Mediterranean fever?. Archives of Medical Sciences Atherosclerotic Diseases, 2018, 3, 96-98.	0.5	0
879	A body shape index and vascular structure and function in Spanish adults (MARK study). Medicine (United States), 2018, 97, e13299.	0.4	10
880	Exercise stress CMR reveals reduced aortic distensibility and impaired right-ventricular adaptation to exercise in patients with repaired tetralogy of Fallot. PLoS ONE, 2018, 13, e0208749.	1.1	11
881	Integrated central blood pressureâ€“aortic stiffness risk score for cardiovascular risk stratification in chronic kidney disease. Physiology International, 2018, 105, 335-346.	0.8	8
882	Arterial properties in adults with long-lasting active juvenile idiopathic arthritis compared to healthy controls. Pediatric Rheumatology, 2018, 16, 85.	0.9	6

#	Article	IF	Citations
883	Preface for the 3rd Clinical Update Sleep, 23rd February 2018, Royal College of Physicians, London, UK: year in review. Journal of Thoracic Disease, 2018, 10, S1-S23.	0.6	4
884	Large artery stiffness is associated with marinobufagenin in young adults. Journal of Hypertension, 2018, 36, 2333-2339.	0.3	15
885	Arterial stiffness is associated with target organ damage in subjects with pre-hypertension. Archives of Medical Science, 2018, 14, 1374-1380.	0.4	9
886	Cholesterol Efflux: Does It Contribute to Aortic Stiffening?. Journal of Cardiovascular Development and Disease, 2018, 5, 23.	0.8	8
887	Elastic aortic wrap reduced aortic stiffness by partially alleviating the impairment of cholesterol efflux capacity in pigs. Journal of Diabetes and Metabolic Disorders, 2018, 17, 101-109.	0.8	3
888	Evaluation of Arterial Stiffness Using Pulse Wave Velocity and Augmentation Index in Patients with Chronic Venous Insufficiency. International Journal of Vascular Medicine, 2018, 2018, 1-5.	0.4	4
889	Clinical Correlates of Aortic Stiffness and Wave Amplitude in Black Men and Women in the Community. Journal of the American Heart Association, 2018, 7, e008431.	1.6	5
890	Cell-Matrix Interactions and Matricrine Signaling in the Pathogenesis of Vascular Calcification. Frontiers in Cardiovascular Medicine, 2018, 5, 174.	1.1	43
891	Postprandial augmentation index is reduced in adults with prediabetes following continuous and interval exercise training. Experimental Physiology, 2019, 104, 264-271.	0.9	18
892	Gathering evidence on the prognostic role of central blood pressure in hypertension. Hypertension Research, 2018, 41, 865-868.	1.5	3
893	Sex differences in the contribution of blood pressure to acute changes in aortic augmentation index. Journal of Human Hypertension, 2018, 32, 752-758.	1.0	5
894	CT-measured lung air-trapping is associated with higher carotid artery stiffness in individuals with chronic obstructive pulmonary disease. Journal of Applied Physiology, 2018, 125, 1760-1766.	1.2	4
895	Aortic stiffness, pressure and flow pulsatility, and target organ damage. Journal of Applied Physiology, 2018, 125, 1871-1880.	1.2	89
896	Relations of Microvascular Function, Cardiovascular Disease Risk Factors, and Aortic Stiffness in Blacks: The Jackson Heart Study. Journal of the American Heart Association, 2018, 7, e009515.	1.6	15
897	Short-term vascular hemodynamic responses to isometric exercise in young adults and in the elderly. Clinical Interventions in Aging, 2018, Volume 13, 509-514.	1.3	10
898	Determining Factors of Arterial Stiffness in Subjects with Metabolic Syndrome. Metabolic Syndrome and Related Disorders, 2018, 16, 490-496.	0.5	11
899	Mechanisms of Dysfunction in the Aging Vasculature and Role in Age-Related Disease. Circulation Research, 2018, 123, 825-848.	2.0	344
900	In Vitro Validation of 4D Flow MRI for Local Pulse Wave Velocity Estimation. Cardiovascular Engineering and Technology, 2018, 9, 674-687.	0.7	17

#	Article	IF	Citations
901	Healthy lifestyle-based approaches for successful vascular aging. Journal of Applied Physiology, 2018, 125, 1888-1900.	1.2	58
902	Large artery stiffness according to different assessment methods in adult population of St.Petersburg. Atherosclerosis Supplements, 2018, 35, e1-e5.	1.2	1
903	The Potential of the Volumetric Sphygmography for the Diagnosis of Impaired Arterial Stiffness in Patients with Uncomplicated Arterial Hypertension and Its Possibilities for Evaluation of the Antihypertensive Therapy Effectiveness. Rational Pharmacotherapy in Cardiology, 2018, 14, 646-653.	0.3	1
904	Arterial stiffness in people with Type 2 diabetes and obstructive sleep apnoea. Diabetic Medicine, 2018, 35, 1391-1398.	1.2	6
905	Sexual Function Is an Indicator of Central Arterial Stiffness and Arterial Stiffness Gradient in Japanese Adult Men. Journal of the American Heart Association, 2018, 7, .	1.6	17
906	Acute Effect of Interval Walking on Arterial Stiffness in Healthy Young Adults. International Journal of Sports Medicine, 2018, 39, 495-501.	0.8	16
907	Effects of exercise intensity and cardiorespiratory fitness on the acute response of arterial stiffness to exercise in older adults. European Journal of Applied Physiology, 2018, 118, 1673-1688.	1.2	16
908	Acute, short-, and long-term effects of different types of exercise in central arterial stiffness: a systematic review and meta-analysis. Journal of Sports Medicine and Physical Fitness, 2018, 58, 923-932.	0.4	27
909	Physical activity modulates arterial stiffness in children with congenital heart disease: A CHAMPS cohort study. Congenital Heart Disease, 2018, 13, 578-583.	0.0	10
910	â€œSleep disordered breathing and ECG R-wave to radial artery pulse delay, The Multi-Ethnic Study of Atherosclerosisâ€• Sleep Medicine, 2018, 48, 172-179.	0.8	6
911	Influence of ageing on human body blood flow and heat transfer: A detailed computational modelling study. International Journal for Numerical Methods in Biomedical Engineering, 2018, 34, e3120.	1.0	19
912	Association of Blood Pressure Measurements With Peripheral Artery Disease Events. Circulation, 2018, 138, 1805-1814.	1.6	70
913	Use of Vascular Assessments and Novel Biomarkers to Predict Cardiovascular Events in Type 2 Diabetes: The SUMMIT VIP Study. Diabetes Care, 2018, 41, 2212-2219.	4.3	28
914	Higher parity and risk of metabolic syndrome in Korean postmenopausal women: Korea National Health and Nutrition Examination Survey 2010â€“2012. Journal of Obstetrics and Gynaecology Research, 2018, 44, 2045-2052.	0.6	10
915	High central blood pressure is associated with incident cardiovascular events in treated hypertensives: the ABC-J II Study. Hypertension Research, 2018, 41, 947-956.	1.5	14
916	Association of Either Left Ventricular Hypertrophy or Diastolic Dysfunction With 24-Hour Central and Peripheral Blood Pressure. American Journal of Hypertension, 2018, 31, 1293-1299.	1.0	11
917	Cardiac and Vascular Target Organ Damage in Pediatric Hypertension. Frontiers in Pediatrics, 2018, 6, 148.	0.9	28
918	Effects of Endurance Exercise Modalities on Arterial Stiffness in Patients Suffering from Unipolar Depression: A Randomized Controlled Trial. Frontiers in Psychiatry, 2018, 8, 311.	1.3	20

#	Article	IF	Citations
919	Assessment of Target Organ Damage. , 2018, , 189-199.		0
920	Effects of exercise modalities on central hemodynamics, arterial stiffness and cardiac function in cardiovascular disease: Systematic review and meta-analysis of randomized controlled trials. PLoS ONE, 2018, 13, e0200829.	1.1	46
921	Association of asymptomatic target organ damage with secreted frizzled related protein 5 in the elderly: the Northern Shanghai Study. Clinical Interventions in Aging, 2018, Volume 13, 389-395.	1.3	9
922	Fatness and Fluctuating Body Weight: Effect on Central Vasculature. BioResearch Open Access, 2018, 7, 90-100.	2.6	4
923	Urbanization as a risk factor for aortic stiffness in a cohort in India. PLoS ONE, 2018, 13, e0201036.	1.1	6
924	New insights into arterial stiffening: does sex matter?. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H1073-H1087.	1.5	72
925	Prolonged standing increases lower limb arterial stiffness. European Journal of Applied Physiology, 2018, 118, 2249-2258.	1.2	10
926	Arterial Stiffness: A Prognostic Marker in Coronary Heart Disease. Available Methods and Clinical Application. Frontiers in Cardiovascular Medicine, 2018, 5, 64.	1.1	82
927	Autonomic Nervous System and Stress to Predict Secondary Ischemic Events after Transient Ischemic Attack or Minor Stroke: Possible Implications of Heart Rate Variability. Frontiers in Neurology, 2018, 9, 90.	1.1	38
928	Role of Renin-Angiotensin-Aldosterone System Activation in Promoting Cardiovascular Fibrosis and Stiffness. Hypertension, 2018, 72, 537-548.	1.3	112
929	Measurement of area difference ratio of Photoplethysmographic pulse wave in patients with pre-eclampsia. BMC Pregnancy and Childbirth, 2018, 18, 280.	0.9	4
930	Mechanisms of vascular aging: What can we learn from Hutchinson-Gilford progeria syndrome?. ClÃnica E InvestigaciÃ³n En Arteriosclerosis (English Edition), 2018, 30, 120-132.	0.1	1
931	Aldosterone, inactive matrix gla-protein, and large artery stiffness in hypertension. Journal of the American Society of Hypertension, 2018, 12, 681-689.	2.3	17
932	Potential Role of Antihypertensive Medications in Preventing Excessive Arterial Stiffening. Current Hypertension Reports, 2018, 20, 76.	1.5	15
933	Caloric Restriction and Its Effect on Blood Pressure, Heart Rate Variability and Arterial Stiffness and Dilatation: A Review of the Evidence. International Journal of Molecular Sciences, 2018, 19, 751.	1.8	62
934	Inflammation and Immunity in Hypertension. , 2018, , 60-69.		3
935	Epithelial Sodium Channel in Aldosterone-Induced Endothelium Stiffness and Aortic Dysfunction. Hypertension, 2018, 72, 731-738.	1.3	61
936	Higher Aortic Stiffness Is Related to Lower Cerebral Blood Flow and Preserved Cerebrovascular Reactivity in Older Adults. Circulation, 2018, 138, 1951-1962.	1.6	113

#	Article	IF	Citations
937	Reversal of Agingâ€Induced Increases in Aortic Stiffness by Targeting Cytoskeletal Proteinâ€Protein Interfaces. Journal of the American Heart Association, 2018, 7, .	1.6	17
938	Three-dimensional thoracic aorta principal strain analysis from routine ECG-gated computerized tomography: feasibility in patients undergoing transcatheter aortic valve replacement. BMC Cardiovascular Disorders, 2018, 18, 76.	0.7	10
939	Assessment of arterial function in pregnancy: what about peripheral arterial tonometry?. Ultrasound in Obstetrics and Gynecology, 2018, 51, 701-703.	0.9	0
940	Vascular aging and target organ damage. Journal of Hypertension, 2018, 36, 1269-1271.	0.3	0
941	Towards nonâ€invasive in vivo characterization of the pathophysiological state and mechanical wall strength of the individual human AAA wall based on 4D ultrasound measurements. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2018, 98, 2275-2294.	0.9	11
942	Applying the ordinal model of atherosclerosis to imaging science: a brief review. Open Heart, 2018, 5, e000861.	0.9	6
943	Target Organ Abnormalities in Pediatric Hypertension. Journal of Pediatrics, 2018, 202, 14-22.	0.9	30
944	Preeclampsia biomarkers: An assessment of maternal cardiometabolic health. Pregnancy Hypertension, 2018, 13, 204-213.	0.6	16
945	A multilocus genetic risk score is associated with arterial stiffness in hypertensive patients. Journal of Hypertension, 2018, 36, 1882-1888.	0.3	6
946	A novel compliance-pressure loop approach to quantify arterial compliance in systole and in diastole. Computers in Biology and Medicine, 2018, 99, 98-106.	3.9	6
947	Prevalence of arterial stiffness in adolescents with type 2 diabetes in the TODAY cohort: Relationships to glycemic control and other risk factors. Journal of Diabetes and Its Complications, 2018, 32, 740-745.	1.2	31
948	Aortic Arch Width and Cardiovascular Disease in Men and Women in the Community. Journal of the American Heart Association, 2018, 7, .	1.6	4
949	Cross-Sectional Association of Frailty and Arterial Stiffness in Community-Dwelling Older Adults: The Framingham Heart Study. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 373-379.	1.7	51
950	Reliability of arterial stiffness indices at rest and following a single bout of moderateâ€intensity exercise in older adults. Clinical Physiology and Functional Imaging, 2019, 39, 42-50.	0.5	7
951	Endothelial cell senescence in aging-related vascular dysfunction. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 1802-1809.	1.8	232
952	Biomechanics of Cells as Potential Biomarkers for Diseases: A New Tool inÂMechanobiology. , 2019, , 1-21.		3
953	Comparison of vascularâ€related diseases in their associations with carotid femoral pulse wave velocity: From the Beijing Vascular Disease Patients Evaluation Study (BEST Study). International Journal of Clinical Practice, 2019, 73, e13400.	0.8	4
954	Significance of the CAPRI risk score to predict heart failure hospitalization post-TAVI: The CAPRI-HF study. International Journal of Cardiology, 2019, 296, 98-102.	0.8	9

#	Article	IF	Citations
955	Relationship Between Brachialâ€Ankle Pulse Wave Velocity and Incident Hypertension According to 2017 ACC/AHA High Blood Pressure Guidelines. Journal of the American Heart Association, 2019, 8, e013019.	1.6	19
956	Elevated copeptin, arterial stiffness, and elevated albumin excretion in adolescents with type 1 diabetes. Pediatric Diabetes, 2019, 20, 1110-1117.	1.2	10
957	Epithelial sodium channels in endothelial cells mediate diet-induced endothelium stiffness and impaired vascular relaxation in obese female mice. Metabolism: Clinical and Experimental, 2019, 99, 57-66.	1.5	40
958	Novel Biomarkers of Early Atherosclerotic Changes for Personalised Prevention of Cardiovascular Disease in Cervical Cancer and Human Papillomavirus Infection. International Journal of Molecular Sciences, 2019, 20, 3720.	1.8	17
959	Interrelations Between Arterial Stiffness, Target Organ Damage, and Cardiovascular Disease Outcomes. Journal of the American Heart Association, 2019, 8, e012141.	1.6	76
960	Windkessel Measures Derived From Pressure Waveforms Only: The Framingham Heart Study. Journal of the American Heart Association, 2019, 8, e012300.	1.6	15
961	Retinal Microvasculature in Relation to Central Hemodynamics in a Flemish Population. Hypertension, 2019, 74, 606-613.	1.3	10
962	Sex and age differences in the association between sympathetic outflow and central elastic artery wall thickness in humans. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H552-H560.	1.5	12
963	Inflammation as a mediator of arterial ageing. Experimental Physiology, 2019, 104, 1455-1471.	0.9	12
964	Longitudinal evaluation of a household energy package on blood pressure, central hemodynamics, and arterial stiffness in China. Environmental Research, 2019, 177, 108592.	3.7	17
965	Gender-specific association between neutrophil-to-lymphocyte ratio and arterial stiffness in an apparently healthy population undergoing a health examination. Vascular, 2019, 27, 668-676.	0.4	1
966	Retinal microvascular dysfunction in patients with coronary artery disease with and without heart failure: a continuum?. European Journal of Heart Failure, 2019, 21, 988-997.	2.9	20
967	Precision Measurements to Assess Baseline Status and Efficacy of Healthy Living Medicine. Progress in Cardiovascular Diseases, 2019, 62, 55-59.	1.6	5
968	Deletion of the microRNA-degrading nuclease, translin/trax, prevents pathogenic vascular stiffness. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H1116-H1124.	1.5	13
970	Two-dimensional speckle tracking of the abdominal aorta: a novel approach to evaluate arterial stiffness in patients with Turner syndrome. Cardiovascular Diagnosis and Therapy, 2019, 9, S228-S237.	0.7	15
971	Weight Gain, Hypertension, and the Emergence of a Maladaptive Cardiovascular Phenotype Among US Football Players. JAMA Cardiology, 2019, 4, 1221.	3.0	29
972	The Relationship Between Cardiorespiratory Fitness and Arterial Stiffness in Middle-Aged Men with Abdominal Obesity. Metabolic Syndrome and Related Disorders, 2019, 17, 97-101.	0.5	6
973	HIV-Related Arterial Stiffness in Malawian Adults Is Associated With the Proportion of PD-1â€“Expressing CD8+ T Cells and Reverses With Antiretroviral Therapy. Journal of Infectious Diseases, 2019, 219, 1948-1958.	1.9	13

#	Article	IF	Citations
974	Insight into Mechanobiology: How Stem Cells Feel Mechanical Forces and Orchestrate Biological Functions. International Journal of Molecular Sciences, 2019, 20, 5337.	1.8	81
975	Beta-induced AlfvÃ©n eigenmodes destabilized by resonant magnetic perturbations in the J-TEXT tokamak. Nuclear Fusion, 2019, 59, 126022.	1.6	13
976	Application of a decision tree to establish factors associated with a nomogram of aortic stiffness. Journal of Clinical Hypertension, 2019, 21, 1484-1492.	1.0	15
977	Arterial stiffness is highly correlated with the scores obtained from the Steno Type 1 Risk Engine in subjects with T1DM. PLoS ONE, 2019, 14, e0220206.	1.1	23
978	Molecular Characteristics and Treatment of Endothelial Dysfunction in Patients with COPD: A Review Article. International Journal of Molecular Sciences, 2019, 20, 4329.	1.8	35
979	The comparison of the impact of arterial stiffness and central pressure on left ventricular geometry and diastolic function. Clinical Hypertension, 2019, 25, 18.	0.7	6
980	On the importance of the nonuniform aortic stiffening in the hemodynamics of physiological aging. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H1125-H1133.	1.5	10
981	Emulating endothelial dysfunction by implementing an early atherosclerotic microenvironment within a microfluidic chip. Lab on A Chip, 2019, 19, 3664-3677.	3.1	13
982	Role of Aldosterone and Mineralocorticoid Receptor in Cardiovascular Aging. Frontiers in Endocrinology, 2019, 10, 584.	1.5	53
983	Aortic distensibility is associated with both resting and hyperemic coronary blood flow. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H811-H819.	1.5	8
984	Non-invasive evaluation of coronary heart disease in patients with chronic kidney disease using photoplethysmography. CKJ: Clinical Kidney Journal, 2019, 12, 538-545.	1.4	13
985	Vitamin K, Vascular Calcification, and Chronic Kidney Disease: Current Evidence and Unanswered Questions. Current Developments in Nutrition, 2019, 3, nzz077.	0.1	21
986	Difference in positive relation between cardio-ankle vascular index (CAVI) and each of four blood pressure indices in real-world Japanese population. Journal of Human Hypertension, 2019, 33, 210-217.	1.0	15
987	Do treatment-induced changes in arterial stiffness affect left ventricular structure? A meta-analysis. Journal of Hypertension, 2019, 37, 253-263.	0.3	13
988	Association of aortic stiffness, carotid intima-media thickness and endothelial function with cardiovascular events in metabolic syndrome subjects. Blood Pressure, 2019, 28, 131-138.	0.7	14
989	Heart Disease and Stroke Statisticsâ€”2019 Update: A Report From the American Heart Association. Circulation, 2019, 139, e56-e528.	1.6	6,192
990	Relative Contributions of Pulse Pressure and Arterial Stiffness to Cardiovascular Disease. Hypertension, 2019, 73, 712-717.	1.3	54
991	Effects of acute dietary nitrate supplementation on aortic blood pressures and pulse wave characteristics in post-menopausal women. Nitric Oxide - Biology and Chemistry, 2019, 85, 10-16.	1.2	19

#	Article	IF	Citations
992	Beneficial effects of resveratrol and exercise training on cardiac and aortic function and structure in the 3xTg mouse model of Alzheimer’s disease . Drug Design, Development and Therapy, 2019, Volume 13, 1197-1211.	2.0	17
993	The protective role of regular aerobic exercise on vascular function with aging. Current Opinion in Physiology, 2019, 10, 55-63.	0.9	9
994	Concept of Extremes in Vascular Aging. Hypertension, 2019, 74, 218-228.	1.3	138
996	Noninvasive Estimation of Aortic Stiffness Through Different Approaches. Hypertension, 2019, 74, 117-129.	1.3	89
997	Predictors and Consequences of Pediatric Hypertension: Have Advanced Echocardiography and Vascular Testing Arrived?. Current Hypertension Reports, 2019, 21, 54.	1.5	6
998	Change of HDL in Various Diseases. , 2019, , 119-211.		0
999	Effects of magnesium citrate, magnesium oxide and magnesium sulfate supplementation on arterial stiffness in healthy overweight individuals: a study protocol for a randomized controlled trial. Trials, 2019, 20, 295.	0.7	10
1000	Beneficial Effect of Bariatric Surgery on Abnormal MMP-9 and AMPK Activities: Potential Markers of Obesity-Related CV Risk. Frontiers in Physiology, 2019, 10, 553.	1.3	17
1001	Cardiovascular Organ Damage and Blood Pressure Levels Predict Adverse Events in Multiple Myeloma Patients Undergoing Carfilzomib Therapy. Cancers, 2019, 11, 622.	1.7	20
1002	Vascular Aging and Disease of the Large Vessels: Role of Inflammation. High Blood Pressure and Cardiovascular Prevention, 2019, 26, 175-182.	1.0	51
1003	A longitudinal big data approach for precision health. Nature Medicine, 2019, 25, 792-804.	15.2	329
1004	Effects of exercise intervention on arterial stiffness in middle-aged and older females: evaluation by measuring brachial-ankle pulse wave velocity and cardio-ankle vascular index. Journal of Physical Therapy Science, 2019, 31, 88-92.	0.2	9
1005	70-year legacy of the Framingham Heart Study. Nature Reviews Cardiology, 2019, 16, 687-698.	6.1	143
1006	Serum from young, sedentary adults who underwent passive heat therapy improves endothelial cell angiogenesis via improved nitric oxide bioavailability. Temperature, 2019, 6, 169-178.	1.7	21
1007	The Relationship between Serum Alkaline Phosphatase and Arterial Stiffness in Korean Adults. Journal of Atherosclerosis and Thrombosis, 2019, 26, 1084-1091.	0.9	13
1008	Central Hemodynamics in Relation to Circulating Desphosphoâ€Uncarboxylated Matrix Gla Protein: A Population Study. Journal of the American Heart Association, 2019, 8, e011960.	1.6	14
1009	Disease-Specific Comorbidity Clusters in COPD and Accelerated Aging. Journal of Clinical Medicine, 2019, 8, 511.	1.0	32
1010	Greater Adherence to Lifeâ€™s Simple 7 Is Associated With Less Arterial Stiffness: the Atherosclerosis Risk in Communities (ARIC) Study. American Journal of Hypertension, 2019, 32, 769-776.	1.0	14

#	Article	IF	Citations
1011	Effects of combined training with different intensities on vascular health in patients with type 2 diabetes: a 1-year randomized controlled trial. Cardiovascular Diabetology, 2019, 18, 34.	2.7	36
1012	Association between central haemodynamics and risk of all-cause mortality and cardiovascular disease: a systematic review and meta-analysis. Journal of Human Hypertension, 2019, 33, 531-541.	1.0	24
1013	Correlation of systemic arterial stiffness with changes in retinal and choroidal microvasculature in type 2 diabetes. Scientific Reports, 2019, 9, 1401.	1.6	18
1014	Central and peripheral pulse wave velocity and subclinical myocardial stress and damage in older adults. PLoS ONE, 2019, 14, e0212892.	1.1	16
1015	Elevated Muscle Sympathetic Nerve Activity Contributes to Central Artery Stiffness in Young and Middle-Age/Older Adults. Hypertension, 2019, 73, 1025-1035.	1.3	69
1016	Thoracic Aortic Aneurysm Growth in Bicuspid Aortic Valve Patients: Role of Aortic Stiffness and Pulsatile Hemodynamics. Journal of the American Heart Association, 2019, 8, e010885.	1.6	23
1017	Effect of uric acid serum levels on carotid arterial stiffness and intima-media thickness: A high resolution Echo-Tracking Study. Monaldi Archives for Chest Disease, 2019, 89, .	0.3	14
1018	Increased aortic wall stiffness is predictive of aortic dilation in adult patients following coarctation of the aorta repair. Progress in Pediatric Cardiology, 2019, 53, 15-20.	0.2	1
1019	The Na+K+-ATPase Inhibitor Marinobufagenin and Early Cardiovascular Risk in Humans: a Review of Recent Evidence. Current Hypertension Reports, 2019, 21, 38.	1.5	15
1020	Acute Effects of Electronic Cigarette Inhalation on the Vasculature and the Conducting Airways. Cardiovascular Toxicology, 2019, 19, 441-450.	1.1	92
1021	Adherence in Hypertension. Circulation Research, 2019, 124, 1124-1140.	2.0	401
1022	Comparison of arterial stiffness indices measured by pulse wave velocity and pulse wave analysis. Blood Pressure, 2019, 28, 206-213.	0.7	5
1023	Impaired Retinal Vessel Dilation Predicts Mortality in End-Stage Renal Disease. Circulation Research, 2019, 124, 1796-1807.	2.0	44
1024	Brain arterial dilatation modifies the association between extracranial pulsatile hemodynamics and brain perivascular spaces: the Northern Manhattan Study. Hypertension Research, 2019, 42, 1019-1028.	1.5	15
1025	Diabetic cardiomyopathy: prevalence, determinants and potential treatments. Therapeutic Advances in Endocrinology and Metabolism, 2019, 10, 204201881983486.	1.4	76
1026	Aplicabilidade dos marcadores de rigidez arterial na doenÃ§a arterial perifÃ©rica. Jornal Vascular Brasileiro, 2019, 18, e20180093.	0.1	10
1027	Novel Metabolites Are Associated With Augmentation Index and Pulse Wave Velocity: Findings From the Bogalusa Heart Study. American Journal of Hypertension, 2019, 32, 547-556.	1.0	17
1028	Incorporation of Novel Vascular Measures into Clinical Management: Recent Insights from the Framingham Heart Study. Current Hypertension Reports, 2019, 21, 19.	1.5	3

#	Article	IF	Citations
1029	Can we IMPROVE cardiovascular outcomes through phosphate lowering in CKD? Rationale and protocol for the IMpact of Phosphate Reduction On Vascular End-points in Chronic Kidney Disease (IMPROVE-CKD) study. BMJ Open, 2019, 9, e024382.	0.8	18
1030	Cardiovascular injury induced by tobacco products: assessment of risk factors and biomarkers of harm. A Tobacco Centers of Regulatory Science compilation. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H801-H827.	1.5	54
1031	Non-alcoholic fatty liver disease presence and severity are associated with aortic stiffness beyond abdominal obesity: The ELSA-Brasil. Atherosclerosis, 2019, 284, 59-65.	0.4	15
1032	Augmenting central arterial stiffness following eradication of HCV by direct acting antivirals in advanced fibrosis patients. Scientific Reports, 2019, 9, 1426.	1.6	15
1033	Reduced Amount or Integrity of Arterial Elastic Fibers Alters Allometric Scaling Relationships for Aortic Diameter and Heart Weight, But Not Cardiac Function in Maturing Mice. Journal of Biomechanical Engineering, 2019, 141, .	0.6	3
1034	Cardiovascular Risk Reduction in High-Risk Pediatric Patients: A Scientific Statement From the American Heart Association. Circulation, 2019, 139, e603-e634.	1.6	251
1035	Low-flow mediated constriction as a marker of endothelial function in healthy pregnancy and preeclampsia: A pilot study. Pregnancy Hypertension, 2019, 17, 75-81.	0.6	14
1036	Associations Between Obstructive Sleep Apnea and Measures of Arterial Stiffness. Journal of Clinical Sleep Medicine, 2019, 15, 201-206.	1.4	10
1037	Vascular function and stiffness: population epidemiology and concordance in Australian children aged 11â€“12 years and their parents. BMJ Open, 2019, 9, 34-43.	0.8	15
1038	Aortic pressure and forward and backward wave components in children, adolescents and young-adults: Agreement between brachial oscillometry, radial and carotid tonometry data and analysis of factors associated with their differences. PLoS ONE, 2019, 14, e0226709.	1.1	22
1039	Determinants of pulse wave velocity trajectories from youth to young adulthood. Journal of Hypertension, 2019, 37, 563-571.	0.3	23
1040	Exercise and Cardiovascular Risk among Masters Athletes with Type 2 Diabetes. Current Diabetes Reports, 2019, 19, 127.	1.7	3
1041	Vascular Function and Serum Lipids in Women with Spontaneous Preterm Delivery and Term Controls. Journal of Women's Health, 2019, 28, 1522-1528.	1.5	4
1042	Sexual Dimorphism in Obesity-Associated Endothelial ENaC Activity and Stiffening in Mice. Endocrinology, 2019, 160, 2918-2928.	1.4	22
1043	Coronary heart disease diagnosis by artificial neural networks including aortic pulse wave velocity index and clinical parameters. Journal of Hypertension, 2019, 37, 1682-1688.	0.3	22
1044	Association between different lipid parameters and aortic stiffness. Journal of Hypertension, 2019, 37, 2240-2246.	0.3	16
1045	Vascular Aging Is Accelerated in Flight Attendants With Occupational Secondhand Smoke Exposure. Journal of Occupational and Environmental Medicine, 2019, 61, 197-202.	0.9	2
1046	Distinct Redox Signalling following Macrophage Activation Influences Profibrotic Activity. Journal of Immunology Research, 2019, 2019, 1-15.	0.9	9

#	Article	IF	Citations
1047	Arterial Stiffness is Associated With Moderate to Vigorous Physical Activity Levels in Post-Myocardial Infarction Patients. Journal of Cardiopulmonary Rehabilitation and Prevention, 2019, 39, 325-330.	1.2	3
1048	Effects of Gender-Affirming Hormones on Lipid, Metabolic, and Cardiac Surrogate Blood Markers in Transgender Persons. Clinical Chemistry, 2019, 65, 119-134.	1.5	56
1049	Organ-Specific, Age-Dependent Associations of Steady-State Pressures and Pulsatile Pressure Wave Components With End-Organ Measures. American Journal of Hypertension, 2019, 32, 272-281.	1.0	5
1050	Concurrent Aerobic and Strength Training for Body Composition and Health. , 2019, , 293-307.		5
1051	Influence of aortic stiffness on ventricular function in patients with Fontan circulation. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 699-707.	0.4	13
1052	Radial Artery Tonometry is Associated With Major Adverse Cardiac Events in Patients With Peripheral Artery Disease. Journal of Surgical Research, 2019, 235, 250-257.	0.8	4
1053	Pulse pressure and perioperative stroke. Current Opinion in Anaesthesiology, 2019, 32, 57-63.	0.9	12
1054	Alogliptin improves survival and health of mice on a highâ€fat diet. Aging Cell, 2019, 18, e12883.	3.0	20
1055	Prognostic Impact of Aortic Stiffness in Patients With Resistant Hypertension. Hypertension, 2019, 73, 728-735.	1.3	21
1056	Non-invasive Determination of Aortic Mechanical Properties and Their Effects on Left Ventricular Function Following Endovascular Abdominal Aneurysm Repair. Journal of Medical and Biological Engineering, 2019, 39, 739-751.	1.0	3
1057	Markers of subclinical vascular damages associate with indices of adiposity and blood pressure in obese children. Hypertension Research, 2019, 42, 400-410.	1.5	17
1058	Added Value of Aortic Pulse Wave Velocity Index in a Predictive Diagnosis Decision Tree of Coronary Heart Disease. American Journal of Hypertension, 2019, 32, 375-383.	1.0	21
1059	Polyphenol-Rich Diets in Cardiovascular Disease Prevention. , 2019, , 259-298.		5
1060	Obesity, High Blood Pressure, and Physical Activity Determine Vascular Phenotype in Young Children. Hypertension, 2019, 73, 153-161.	1.3	74
1061	Vascular Mineralocorticoid Receptor: Evolutionary Mediator of Wound Healing Turned Harmful by Our Modern Lifestyle. American Journal of Hypertension, 2019, 32, 123-134.	1.0	23
1062	Incomplete recovery of cerebral blood flow dynamics in sufficiently treated high blood pressure. Journal of Hypertension, 2019, 37, 372-379.	0.3	12
1063	Relationship between longâ€chain omegaâ€3 polyunsaturated fatty acid intake and ankle brachial index, pulse wave velocity and resting heart rate in a sample of overweight adults: A secondary analysis of baseline data in the HealthTrack study. Nutrition and Dietetics, 2019, 76, 95-103.	0.9	4
1064	Long-Term Burden of Higher Body Mass Index and Adult Arterial Stiffness Are Linked Predominantly Through Elevated Blood Pressure. Hypertension, 2019, 73, 229-234.	1.3	20

#	Article	IF	Citations
1065	Local carotid arterial stiffness is an independent determinant of left ventricular remodeling in never-treated hypertensive patients. Blood Pressure, 2019, 28, 23-33.	0.7	10
1066	The Clinical Significance and Application of Vascular Stiffness Measurements. American Journal of Hypertension, 2019, 32, 4-11.	1.0	33
1067	Serum resistin is associated with impaired endothelial function and a higher rate of adverse cardiac events in patients with peripheral artery disease. Journal of Vascular Surgery, 2019, 69, 497-506.	0.6	13
1068	Demonstration of circumferential heterogeneity in displacement and strain in the abdominal aortic wall by spiral cine DENSE MRI. Journal of Magnetic Resonance Imaging, 2019, 49, 731-743.	1.9	12
1069	Gender, subclinical organ damage and cardiovascular risk stratification in hypertensive patients. Current Medical Research and Opinion, 2019, 35, 367-374.	0.9	2
1070	Correlation among lipid parameters, pulse wave velocity and central blood pressure in young Korean population. Clinical and Experimental Hypertension, 2019, 41, 20-27.	0.5	18
1071	Central aortic pressure improves prediction of cardiovascular events compared to peripheral blood pressure in short-term follow-up of a hypertensive cohort. Clinical and Experimental Hypertension, 2020, 42, 16-23.	0.5	20
1072	Arterial stiffness and 5-year mortality in patients with peripheral arterial disease. Journal of Human Hypertension, 2020, 34, 505-511.	1.0	10
1073	Influence of the order of aerobic and resistance exercise on hemodynamic responses and arterial stiffness in young normotensive individuals. Journal of Bodywork and Movement Therapies, 2020, 24, 79-84.	0.5	1
1074	Sex differences in lower-limb arterial stiffness following acute aerobic exercise. Science and Sports, 2020, 35, e39-e48.	0.2	2
1075	Isometric handgrip training reduces blood pressure and wave reflections in East Asian, non-medicated, middle-aged and older adults: a randomized control trial. Aging Clinical and Experimental Research, 2020, 32, 1485-1491.	1.4	10
1076	Coexistence of increased arterial stiffness and interatrial block in overweight subjects. Annals of Noninvasive Electrocardiology, 2020, 25, e12724.	0.5	3
1077	Freeâ€weight versus weight machine resistance exercise on pulse wave reflection and aortic stiffness in resistanceâ€trained individuals. European Journal of Sport Science, 2020, 20, 944-952.	1.4	6
1078	Arterial Elasticity in Ehlers-Danlos Syndromes. Genes, 2020, 11, 55.	1.0	13
1079	The NEW-HOPE study and emerging therapies for difficult-to-control and resistant hypertension. Progress in Cardiovascular Diseases, 2020, 63, 64-73.	1.6	11
1080	Effects of Oral Magnesium Supplementation on Vascular Function: A Systematic Review and Meta-analysis of Randomized Controlled Trials. High Blood Pressure and Cardiovascular Prevention, 2020, 27, 19-28.	1.0	25
1081	Training for a First-Time Marathon Reverses Age-Related Aortic Stiffening. Journal of the American College of Cardiology, 2020, 75, 60-71.	1.2	40
1082	Association of serum carbohydrate antigen 19-9 level with arterial stiffness and coronary artery calcification in middle-aged and older adults. Journal of Hypertension, 2020, 38, 95-101.	0.3	2

#	Article	IF	Citations
1083	PTC1 and PTC2: New Indices of Blood Pressure Waveforms and Cardiovascular Disease. American Journal of Epidemiology, 2020, 189, 726-734.	1.6	6
1084	Application of Non-invasive Imaging in Inflammatory Disease Conditions to Evaluate Subclinical Coronary Artery Disease. Current Rheumatology Reports, 2020, 22, 1.	2.1	16
1085	Relationship between BMI and aortic stiffness: influence of anthropometric indices in hypertensive men and women. Journal of Hypertension, 2020, 38, 249-256.	0.3	10
1086	How to Measure Arterial Stiffness in Humans. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 1034-1043.	1.1	125
1087	Relationship between highâ€normal albuminuria and arterial stiffness in Chinese population. Journal of Clinical Hypertension, 2020, 22, 1674-1681.	1.0	13
1088	Arterial stiffening is a crucial factor for left ventricular diastolic dysfunction in a community-based normotensive population. International Journal of Cardiology: Hypertension, 2020, 6, 100038.	2.2	6
1089	Nearâ€“hysteresis-free soft tactile electronic skins for wearables and reliable machine learning. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25352-25359.	3.3	104
1090	ABCA1 Polymorphism Is Associated With the Warfarin-Induced Aortic Stiffness After Coronary Artery Bypass Surgery in the Chinese Population. Journal of Cardiovascular Pharmacology, 2020, 76, 360-366.	0.8	1
1091	New Ultrasound Technologies for Ischemic Heart Disease Assessment and Monitoring in Cardiac Rehabilitation. Journal of Clinical Medicine, 2020, 9, 3131.	1.0	22
1092	Brief Report: Vascular Dysfunction and Monocyte Activation Among Women With HIV. Journal of Acquired Immune Deficiency Syndromes (1999), 2020, 85, 233-238.	0.9	4
1093	Elastin haploinsufficiency in mice has divergent effects on arterial remodeling with aging depending on sex. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 319, H1398-H1408.	1.5	15
1094	Sex differences in impact of long-term burden and trends of body mass index and blood pressure from childhood to adulthood on arterial stiffness in adults: A 30-year cohort study. Atherosclerosis, 2020, 313, 118-125.	0.4	20
1095	Sympathetic neural modulation of arterial stiffness in humans. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 319, H1338-H1346.	1.5	41
1096	High hemoglobin glycation index is associated with increased systemic arterial stiffness independent of hyperglycemia in real-world Japanese population: A cross-sectional study. Diabetes and Vascular Disease Research, 2020, 17, 147916412095862.	0.9	11
1098	Retinol-binding protein 4 is associated with arterial stiffness in early postmenopausal women. Menopause, 2020, 27, 906-912.	0.8	2
1099	Association of the Amount and Pattern of Physical Activity With Arterial Stiffness: The Maastricht Study. Journal of the American Heart Association, 2020, 9, e017502.	1.6	19
1100	Anticancer Therapyâ€“Related Increases in Arterial Stiffness: A Systematic Review and Metaâ€Analysis. Journal of the American Heart Association, 2020, 9, e015598.	1.6	32
1101	Impairment of myocardial functions and arterial stiffness in patients with lichen planus. Anais Brasileiros De Dermatologia, 2020, 95, 180-186.	0.5	4

#	Article	IF	Citations
1102	Paradoxical aortic stiffening and subsequent cardiac dysfunction in Hutchinsonâ€“Gilford progeria syndrome. Journal of the Royal Society Interface, 2020, 17, 20200066.	1.5	21
1103	Effects of exercise modality on body composition and cardiovascular disease risk factors in adolescents with obesity: a randomized clinical trial. Applied Physiology, Nutrition and Metabolism, 2020, 45, 1377-1386.	0.9	12
1104	Melatonin Plays a Critical Protective Role in Nicotine-Related Abdominal Aortic Aneurysm. Frontiers in Physiology, 2020, 11, 866.	1.3	8
1105	Association of arterial stiffness with the histological severity of nonalcoholic fatty liver disease. Hepatology International, 2020, 14, 1048-1056.	1.9	9
1106	HDL cholesterol efflux capacity is inversely associated with subclinical cardiovascular risk markers in young adults: The cardiovascular risk in Young Finns study. Scientific Reports, 2020, 10, 19223.	1.6	27
1107	Long-term variations of arterial stiffness in patients with obesity and obstructive sleep apnea treated with continuous positive airway pressure. PLoS ONE, 2020, 15, e0236667.	1.1	6
1108	Recombinant Human Soluble Thrombomodulin Suppresses Monocyte Adhesion by Reducing Lipopolysaccharide-Induced Endothelial Cellular Stiffening. Cells, 2020, 9, 1811.	1.8	5
1109	Cardiorespiratory Fitness and Muscular Strength on Arterial Stiffness in Older Adults. Medicine and Science in Sports and Exercise, 2020, 52, 1737-1744.	0.2	16
1110	Biomarkers in essential hypertension. , 2020, , 247-288.		2
1111	Platelet counts are associated with arterial stiffness in Chinese Han population: a longitudinal study. BMC Cardiovascular Disorders, 2020, 20, 353.	0.7	4
1112	Role of TRPV4 in matrix stiffness-induced expression of EMT-specific LncRNA. Molecular and Cellular Biochemistry, 2020, 474, 189-197.	1.4	3
1113	Switching from boosted PIs to dolutegravir in HIV-infected patients with high cardiovascular risk: 48 week effects on subclinical cardiovascular disease. Journal of Antimicrobial Chemotherapy, 2020, 75, 3334-3343.	1.3	5
1114	More than a matter of the heart: the concept of intravascular multimorbidity in cardiac rehabilitation. Expert Review of Cardiovascular Therapy, 2020, 18, 557-562.	0.6	0
1115	Impact of acute mental stress on segmental arterial stiffness. European Journal of Applied Physiology, 2020, 120, 2247-2257.	1.2	22
1116	Prediction of cardiovascular events using brachialâ€ankle pulse wave velocity in hypertensive patients. Journal of Clinical Hypertension, 2020, 22, 1659-1665.	1.0	18
1117	Genome-wide association analysis of pulse wave velocity traits provide new insights into the causal relationship between arterial stiffness and blood pressure. PLoS ONE, 2020, 15, e0237237.	1.1	18
1118	Acute effects of transcatheter aortic valve replacement on the ventricular-aortic interaction. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 319, H1451-H1458.	1.5	14
1119	Blood Pressure and Body Weight Have Different Effects on Pulse Wave Velocity and Cardiac Mass in Children. Journal of Clinical Medicine, 2020, 9, 2954.	1.0	9

#	Article	IF	Citations
1120	Hypertension and Age-Related Cognitive Impairment: Common Risk Factors and a Role for Precision Aging. Current Hypertension Reports, 2020, 22, 80.	1.5	24
1121	Clinical Associations of Vascular Stiffness, Microvascular Dysfunction, and Prevalent Cardiovascular Disease in a Black Cohort: The Jackson Heart Study. Journal of the American Heart Association, 2020, 9, e017018.	1.6	8
1122	Measurement of aortofemoral volume wave velocity during the routine 12-channel ECG: relation to age, physiological hemoglobin A 1C, triglycerides and SBP in healthy individuals. Journal of Hypertension, 2020, 38, 1989-1999.	0.3	5
1123	Cardiac and renal function interactions in heart failure with reduced ejection fraction: A mathematical modeling analysis. PLoS Computational Biology, 2020, 16, e1008074.	1.5	11
1124	Retinal and Renal Microvasculature in Relation to Central Hemodynamics in 11â€Yearâ€Old Children Born Preterm or At Term. Journal of the American Heart Association, 2020, 9, e014305.	1.6	5
1125	Visit-to-visit blood pressure variability in patients with type 2 diabetes with and without previous history of cardiovascular disease. Journal of Hypertension, 2020, 38, 1737-1744.	0.3	6
1126	Arterial Stiffness and Hypertension in the Elderly. Frontiers in Cardiovascular Medicine, 2020, 7, 544302.	1.1	91
1127	Prognostic value of arterial stiffness according to the cardiovascular risk profiles. Journal of Human Hypertension, 2021, 35, 978-984.	1.0	8
1128	Novel tonometer device distinguishes brain stiffness in epilepsy surgery. Scientific Reports, 2020, 10, 20978.	1.6	4
1129	Role of the vascular endothelial sodium channel activation in the genesis of pathologically increased cardiovascular stiffness. Cardiovascular Research, 2022, 118, 130-140.	1.8	29
1130	Nanomechanics and Histopathology as Diagnostic Tools to Characterize Freshly Removed Human Brain Tumors . International Journal of Nanomedicine, 2020, Volume 15, 7509-7521.	3.3	14
1131	Ageing and longevity genes in cardiovascular diseases. Basic and Clinical Pharmacology and Toxicology, 2020, 127, 120-131.	1.2	21
1132	Does vascular stiffness predict white matter hyperintensity burden in ischemic heart disease with preserved ejection fraction?. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H1401-H1409.	1.5	4
1133	Microbial metabolite indole-3-propionic acid supplementation does not protect mice from the cardiometabolic consequences of a Western diet. American Journal of Physiology - Renal Physiology, 2020, 319, G51-G62.	1.6	22
1134	Relationship of Socioeconomic Status to Arterial Stiffness: Comparison Between Medical Aid Beneficiaries and National Health Insurance Beneficiaries. American Journal of Hypertension, 2020, 33, 718-725.	1.0	11
1135	Digital arterial pressure pulse wave analysis and cardiovascular events in the general population: the Prevention of Renal and Vascular End-stage Disease study. Journal of Hypertension, 2020, 38, 1064-1071.	0.3	6
1136	Accelerated Early Vascular Aging Among Adolescents With Obesity and/or Type 2 Diabetes Mellitus. Journal of the American Heart Association, 2020, 9, e014891.	1.6	63
1137	Effects of blackcurrant extract on arterial functions in older adults: A randomized, double-blind, placebo-controlled, crossover trial. Clinical and Experimental Hypertension, 2020, 42, 640-647.	0.5	17

#	Article	IF	Citations
1138	Subclinical macroangiopathic target organ damage in type 1 diabetes mellitus patients. Blood Pressure, 2020, 29, 344-356.	0.7	2
1139	Maternal separation-induced increases in vascular stiffness are independent of circulating angiotensinogen levels. Journal of Applied Physiology, 2020, 129, 58-65.	1.2	0
1140	Lipoprotein Particle Predictors of Arterial Stiffness after 17 Years of Follow Up: The MalmÃ¶ Diet and Cancer Study. International Journal of Vascular Medicine, 2020, 2020, 1-9.	0.4	7
1141	Insulin resistance and heart disease. , 2020, , 113-155.		0
1142	Plasma Homocysteine and Cardiovascular Organ Damage in a Population with a High Prevalence of Risk Factors. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e2815-e2824.	1.8	6
1143	Cerebral macro- and microcirculatory blood flow dynamics in successfully treated chronic hypertensive patients with and without white mater lesions. Scientific Reports, 2020, 10, 9213.	1.6	9
1144	Vascular Aging and Central Aortic Blood Pressure: From Pathophysiology to Treatment. High Blood Pressure and Cardiovascular Prevention, 2020, 27, 299-308.	1.0	19
1145	Vascular autophagy in health and disease. Basic Research in Cardiology, 2020, 115, 41.	2.5	58
1146	Standardization of a new non-invasive device for assessment of arterial stiffness in rats: Correlation with age-related arteriesâ€™ structure. MethodsX, 2020, 7, 100901.	0.7	7
1147	Association of arterial stiffness with left atrial structure and phasic function: a community-based cohort study. Journal of Hypertension, 2020, 38, 1140-1148.	0.3	21
1148	Cardiovascular disease in young People with Type 1 Diabetes: Search for Cardiovascular Biomarkers. Journal of Diabetes and Its Complications, 2020, 34, 107651.	1.2	13
1149	Withings Body Cardio Versus Gold Standards of Pulse-Wave Velocity and Body Composition. Journal of Personalized Medicine, 2020, 10, 17.	1.1	9
1150	The cardiovascular risk profile of middle age women previously diagnosed with premature ovarian insufficiency: A case-control study. PLoS ONE, 2020, 15, e0229576.	1.1	21
1151	Central Versus Peripheral Artery Stiffening and Cardiovascular Risk. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 1028-1033.	1.1	58
1152	Effect of 12Âweeks continuous positive airway pressure on day and night arterial stiffness and blood pressure in patients with type 2 diabetes and obstructive sleep apnea: A randomized controlled trial. Journal of Sleep Research, 2020, 29, e12978.	1.7	7
1153	Aging reduces cerebral blood flow regulation following an acute hypertensive stimulus. Journal of Applied Physiology, 2020, 128, 1186-1195.	1.2	18
1154	Evaluation of the Effect of Essential Hypertension on Elasticity of Ascending Aorta in Type 2 Diabetic Mellitus Patients by Echocardiography. Angiology, 2020, 71, 536-543.	0.8	2
1155	Uses of Arterial Stiffness in Clinical Practice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 1063-1067.	1.1	53

#	Article	IF	Citations
1156	Measuring the Frequency-Specific Functional Connectivity Using Wavelet Coherence Analysis in Stroke Rats Based on Intrinsic Signals. Scientific Reports, 2020, 10, 9429.	1.6	7
1157	Race and Gender Differences in the Association Between Experiences of Everyday Discrimination and Arterial Stiffness Among Patients With Coronary Heart Disease. Annals of Behavioral Medicine, 2020, 54, 761-770.	1.7	4
1158	Arterial Function in Healthy Pregnant Women vs. Non-Pregnant Womenâ€"A 10-Year Study. Diagnostics, 2020, 10, 374.	1.3	9
1159	The Renal Dangers of an Increased Cardio-Ankle Vascular Index. American Journal of Hypertension, 2020, 33, 993-995.	1.0	1
1160	Pulsatility in ventricular assistance devices: A translational review focused on applied haemodynamics. Archives of Cardiovascular Diseases, 2020, 113, 461-472.	0.7	5
1161	Cardiovascular End Points and Mortality Are Not Closer Associated With Central Than Peripheral Pulsatile Blood Pressure Components. Hypertension, 2020, 76, 350-358.	1.3	33
1162	Systemic Arterial Stiffness in New Diagnosed Idiopathic Pulmonary Arterial Hypertension Patients . Vascular Health and Risk Management, 2020, Volume 16, 29-39.	1.0	10
1163	Improvement in arterial stiffness (pOpmÃ¨treÂ®) after bariatric surgery. Results from a prospective study. Annales D'Endocrinologie, 2020, 81, 44-50.	0.6	8
1164	Prognostic value of arterial stiffness measurements in cardiovascular disease, diabetes, and its complications: The potential role of sodiumâ€glucose coâ€transporterâ€2 inhibitors. Journal of Clinical Hypertension, 2020, 22, 562-571.	1.0	24
1165	Evaluation of increased arterial stiffness in pediatric patients with cystic fibrosis by augmentation index and pulse wave velocity analysis. Pediatric Pulmonology, 2020, 55, 1147-1153.	1.0	10
1166	Obesity and cardiovascular disease in women. International Journal of Obesity, 2020, 44, 1210-1226.	1.6	62
1167	Association of impaired arterial wall properties with the presence of coronary artery disease in patients with abdominal aortic aneurysms. Journal of Clinical Hypertension, 2020, 22, 187-193.	1.0	3
1168	Fibroblast Activation Protein Regulates Lesion Burden and the Fibroinflammatory Response in Apoe-Deficient Mice in a Sexually Dimorphic Manner. American Journal of Pathology, 2020, 190, 1118-1136.	1.9	8
1169	Biological Versus Chronological Aging. Journal of the American College of Cardiology, 2020, 75, 919-930.	1.2	212
1170	Assessment of left ventricular myocardial work in Turner syndrome patients: insights from the novel non-invasive pressure-strain loop analysis method. Quantitative Imaging in Medicine and Surgery, 2020, 10, 15-25.	1.1	19
1171	Heart Disease and Stroke Statisticsâ€"2020 Update: A Report From the American Heart Association. Circulation, 2020, 141, e139-e596.	1.6	5,545
1172	Increase in interventricular septum thickness may be the first sign of cardiovascular change in kidney donors. Echocardiography, 2020, 37, 276-282.	0.3	2
1173	Pathophysiology of Hypertensive Heart Disease: Beyond Left Ventricular Hypertrophy. Current Hypertension Reports, 2020, 22, 11.	1.5	86

#	Article	IF	Citations
1174	Post-exercise Response of Arterial Parameters for Arterial Health Assessment Using a Microfluidic Tactile Sensor and Vibration-Model-Based Analysis: A Proof-of-Concept Study. Cardiovascular Engineering and Technology, 2020, 11, 295-307.	0.7	2
1175	Neonatal hyperoxia exposure induces aortic biomechanical alterations and cardiac dysfunction in juvenile rats. Physiological Reports, 2020, 8, e14334.	0.7	13
1176	Alterations in Vascular Function Associated With the Use of Combustible and Electronic Cigarettes. Journal of the American Heart Association, 2020, 9, e014570.	1.6	56
1177	Noninvasive vascular function tests for the future prediction of primary cardiovascular diseases. Hospital Practice (1995), 2020, 48, 113-118.	0.5	5
1178	An investigation of the relationship between arterial aortic stiffness and coronary slow flow that was detected during coronary angiography. Echocardiography, 2020, 37, 528-535.	0.3	4
1179	Arteriosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 1025-1027.	1.1	16
1180	The association of <scp>lowâ€density</scp> lipoprotein cholesterol with elevated arterial stiffness in adolescents and young adults with type 1 and type 2 diabetes: The <scp>SEARCH</scp> for Diabetes in Youth study. Pediatric Diabetes, 2020, 21, 863-870.	1.2	9
1181	Marked Arterial Functional Changes in Patients With Arterial Vascular Events Across the Early Adult Lifespan. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 1574-1586.	1.1	7
1182	Maternal Glycemia During Pregnancy and Child Carotid Intima Media Thickness, Pulse Wave Velocity, and Augmentation Index. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e2581-e2590.	1.8	8
1183	Inter-relationships between left ventricular mass, geometry and arterial stiffness. Journal of International Medical Research, 2020, 48, 030006052090362.	0.4	2
1184	Vascular Extracellular Matrix Remodeling and Hypertension. Antioxidants and Redox Signaling, 2021, 34, 765-783.	2.5	41
1185	Gamma-glutamyltransferase, arterial remodeling and prehypertension in a healthy population at low cardiometabolic risk. Journal of Human Hypertension, 2021, 35, 334-342.	1.0	0
1186	Late-life voluntary wheel running reverses age-related aortic stiffness in mice: a translational model for studying mechanisms of exercise-mediated arterial de-stiffening. GeroScience, 2021, 43, 423-432.	2.1	16
1187	The glycocalyx core protein Glypican 1 protects vessel wall endothelial cells from stiffness-mediated dysfunction and disease. Cardiovascular Research, 2021, 117, 1592-1605.	1.8	36
1188	Vascular effects of serelaxin in patients with stable coronary artery disease: a randomized placebo-controlled trial. Cardiovascular Research, 2021, 117, 320-329.	1.8	3
1189	Arterial stiffness measured by cardioâ€ankle vascular index is greater in nonâ€obese young women with polycystic ovarian syndrome. Journal of Obstetrics and Gynaecology Research, 2021, 47, 521-528.	0.6	6
1190	Pentagalloyl Glucose (PGG) Partially Prevents Arterial Mechanical Changes Due to Elastin Degradation. Experimental Mechanics, 2021, 61, 41-51.	1.1	9
1191	Predictive value of carotid artery ultrasonography for the risk of coronary artery disease. Journal of Clinical Ultrasound, 2021, 49, 218-226.	0.4	5

#	Article	IF	Citations
1192	Dietary Approaches to Stop Hypertension Dietary Intervention Improves Blood Pressure and Vascular Health in Youth With Elevated Blood Pressure. Hypertension, 2021, 77, 241-251.	1.3	47
1193	Lowâ€intensity resistance exercise with blood flow restriction and arterial stiffness in humans: A systematic review. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 498-509.	1.3	8
1194	Progression of Vasculopathy in Young Individuals with Turner Syndrome. Pediatric Cardiology, 2021, 42, 481-491.	0.6	3
1195	Influence of hormonal contraceptives on peripheral vascular function and structure in premenopausal females: a review. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H77-H89.	1.5	31
1196	Comprehensive assessment of cardiovascular structure and function and disease risk in middle-aged ultra-endurance athletes. Atherosclerosis, 2021, 320, 105-111.	0.4	4
1197	Predicted Cardiac Hemodynamic Consequences of the Renal Actions of SGLT2i in the DAPAâ€HF Study Population: A Mathematical Modeling Analysis. Journal of Clinical Pharmacology, 2021, 61, 636-648.	1.0	9
1198	Lifelong voluntary aerobic exercise prevents ageâ€and Western dietâ€induced vascular dysfunction, mitochondrial oxidative stress and inflammation in mice. Journal of Physiology, 2021, 599, 911-925.	1.3	46
1199	Markers of endothelial dysfunction and arterial stiffness in patients with earlyâ€stage autosomal dominant polycystic kidney disease: A metaâ€analysis. International Journal of Clinical Practice, 2021, 75, e13721.	0.8	4
1200	Independent association of serum uric acid levels with arterial stiffness in the absence of established cardiovascular disorders. International Journal of Clinical Practice, 2021, 75, e13720.	0.8	0
1201	The Glycocalyx and Its Role in Vascular Physiology and Vascular Related Diseases. Cardiovascular Engineering and Technology, 2021, 12, 37-71.	0.7	67
1202	Echocardiographic evaluation of the elasticity of the ascending aorta in patients with essential hypertension. Journal of Clinical Ultrasound, 2021, 49, 351-357.	0.4	2
1203	Left atrial stiffness index as a marker of early target organ damage in hypertension. Hypertension Research, 2021, 44, 299-309.	1.5	16
1204	A multi-component, community-engaged intervention to reduce cardiovascular disease risk in perimenopausal Latinas: pilot study protocol. Pilot and Feasibility Studies, 2021, 7, 10.	0.5	5
1206	Physiological Age- and Sex-Related Profiles for Local (Aortic) and Regional (Carotid-Femoral,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf Blood Pressure Adjustments: Reference Intervals and Agreement between Methods in Healthy Subjects (3â€“84 Years). Journal of Cardiovascular Development and Disease, 2021, 8, 3.	0.8	27
1207	A Survey of Challenges and Opportunities in Sensing and Analytics for Risk Factors of Cardiovascular Disorders. ACM Transactions on Computing for Healthcare, 2021, 2, 1-42.	3.3	3
1208	Age-related values of aortic pulse wave velocity in healthy subjects measured by Doppler echocardiography. Journal of Human Hypertension, 2021, 35, 1081-1087.	1.0	4
1209	Residual Risk of Nicotine. , 2021, , 513-587.		1
1210	Aortic stiffness and cerebral microbleeds: The Framingham Heart Study. Vascular Medicine, 2021, 26, 312-314.	0.8	1

#	Article	IF	Citations
1211	Carotid Pulse Wave Analysis: Future Direction of Hemodynamic and Cardiovascular Risk Assessment. JMA Journal, 2021, 4, 119-128.	0.6	11
1212	Mechanisms underlying vascular stiffening in obesity, insulin resistance, and type 2 diabetes. , 2021, , 63-88.		0
1213	Transplantation of an obesity-associated human gut microbiota to mice induces vascular dysfunction and glucose intolerance. Gut Microbes, 2021, 13, 1940791.	4.3	20
1214	Identification of Aortic Proteins Involved in Arterial Stiffness in Spontaneously Hypertensive Rats Treated With Perindopril:A Proteomic Approach. Frontiers in Physiology, 2021, 12, 624515.	1.3	7
1215	Intrinsic Frequencies of Carotid Pressure Waveforms Predict Heart Failure Events. Hypertension, 2021, 77, 338-346.	1.3	10
1216	Association between depressive symptoms and pulse wave velocity is mediated by increased adiposity in older adults with type 2 diabetes. Journal of Psychiatry and Neuroscience, 2021, 46, E176-E183.	1.4	1
1217	Heart Disease and Stroke Statisticsâ€"2021 Update. Circulation, 2021, 143, e254-e743.	1.6	3,444
1218	Nonâ€muscle myosin II regulates aortic stiffness through effects on specific focal adhesion proteins and the nonâ€muscle cortical cytoskeleton. Journal of Cellular and Molecular Medicine, 2021, 25, 2471-2483.	1.6	9
1219	Aortic Pulse Wave Velocity Predicts Cardiovascular Events and Mortality in Patients Undergoing Coronary Angiography. Hypertension, 2021, 77, 571-581.	1.3	49
1220	Rapid Rise of Cardio-Ankle Vascular Index May Be a Trigger of Cerebro-Cardiovascular Events: Proposal of Smooth Muscle Cell Contraction Theory for Plaque Rupture. Vascular Health and Risk Management, 2021, Volume 17, 37-47.	1.0	7
1221	Acute mental stress-caused arterial stiffening can be counteracted by brief aerobic exercise. European Journal of Applied Physiology, 2021, 121, 1359-1366.	1.2	9
1222	School-Based Exercise Intervention Improves Blood Pressure and Parameters of Arterial Stiffness in Children: A Randomized Controlled Trial. Pediatric Exercise Science, 2021, 33, 1-7.	0.5	9
1223	Age Estimation using Aorta Image Analysis in the Thai Population. Sains Malaysiana, 2021, 50, 419-428.	0.3	0
1224	The aortic-femoral arterial stiffness gradient: an atherosclerosis risk in communities (ARIC) study. Journal of Hypertension, 2021, 39, 1370-1377.	0.3	10
1225	Meta-analysis on the Effect of Mild Primary Hyperparathyroidism and Parathyroidectomy Upon Arterial Stiffness. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 1832-1843.	1.8	15
1226	Insulin increases central aortic stiffness in response to hyperglycemia in healthy humans: A randomized four-arm study. Diabetes and Vascular Disease Research, 2021, 18, 147916412110110.	0.9	5
1227	The Utility of Cerebrovascular Reactivity MRI in Brain Rehabilitation: A Mechanistic Perspective. Frontiers in Physiology, 2021, 12, 642850.	1.3	8
1228	Physiological and clinical insights from reservoir-excess pressure analysis. Journal of Human Hypertension, 2021, 35, 758-768.	1.0	7

#	Article	IF	Citations
1229	Arterial stiffness and cardiac dysfunction in Hutchinsonâ€“Gilford Progeria Syndrome corrected by inhibition of lysyl oxidase. Life Science Alliance, 2021, 4, e202000997.	1.3	20
1230	Diretrizes Brasileiras de HipertensÃ£o Arterial â€“ 2020. Arquivos Brasileiros De Cardiologia, 2021, 116, 516-658.	0.3	340
1231	Socioeconomic Status and Parental Lifestyle Are Associated With Vascular Phenotype in Children. Frontiers in Public Health, 2021, 9, 610268.	1.3	2
1232	Mineralocorticoid Receptor in Myeloid Cells Mediates Angiotensin II-Induced Vascular Dysfunction in Female Mice. Frontiers in Physiology, 2021, 12, 588358.	1.3	4
1233	BCL11B Regulates Arterial Stiffness and Related Target Organ Damage. Circulation Research, 2021, 128, 755-768.	2.0	11
1234	Arterial Stiffness in Aging: Does It Have a Place in Clinical Practice?. Hypertension, 2021, 77, 768-780.	1.3	37
1235	Biological Pathways in Adolescent Aortic Stiffness. Journal of the American Heart Association, 2021, 10, e018419.	1.6	8
1236	Arterial Stiffness and Hemodynamics in Young Women: The Effects of Oral Contraceptive Intake and Physical Habits. International Journal of Environmental Research and Public Health, 2021, 18, 3393.	1.2	3
1237	Immune activation and arterial stiffness in lean adults with HIV on antiretroviral therapy. Southern African Journal of HIV Medicine, 2021, 22, 1190.	0.3	2
1238	AlteraÃ§Ã£es da Rigidez Arterial em Pacientes com Estenose AÃ³rtica Grave Submetidos Ã Cirurgia de Troca Valvar. Arquivos Brasileiros De Cardiologia, 2021, 116, 475-482.	0.3	5
1239	Beneficial Effect of Statin Therapy on Arterial Stiffness. BioMed Research International, 2021, 2021, 1-19.	0.9	21
1241	Longitudinal Changes of Input Impedance, Pulse Wave Velocity, and Wave Reflection in a Middle-Aged Population. Hypertension, 2021, 77, 1154-1165.	1.3	23
1242	Aging-induced microbleeds of the mouse thalamus compared to sensorimotor and memory defects. Neurobiology of Aging, 2021, 100, 39-47.	1.5	4
1243	Decreased heritability and emergence of novel genetic effects on pulse wave velocity from youth to young adulthood. Scientific Reports, 2021, 11, 8911.	1.6	4
1244	Relationship between serum myostatin levels and carotid-femoral pulse wave velocity in healthy young male adolescents: the MACISTE study. Journal of Applied Physiology, 2021, 130, 987-992.	1.2	6
1245	Usefulness of Estimated Pulse Wave Velocity in Prediction of Cardiovascular Mortality in Patients With Acute Myocardial Infarction. American Journal of the Medical Sciences, 2021, 361, 479-484.	0.4	12
1246	Normal and reference values for cardiovascular magnetic resonance-based pulse wave velocity in the middle-aged general population. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 46.	1.6	15
1247	Predictive Importance of Blood Pressure Characteristics With Increasing Age in Healthy Men and Women. Hypertension, 2021, 77, 1076-1085.	1.3	8

#	Article	IF	Citations
1248	Obesity, Adipose Tissue and Vascular Dysfunction. Circulation Research, 2021, 128, 951-968.	2.0	243
1249	Correlation between left atrial expansion index and stroke subtype: A 10â€Year Followâ€Up Study. Echocardiography, 2021, 38, 861-870.	0.3	4
1250	A Hypothesized Mechanistic Model of Longitudinal Wall Motion at the Common Carotid Artery. Journal of Engineering and Science in Medical Diagnostics and Therapy, 2021, 4, .	0.3	3
1251	Tumor Necrosis Factor Alpha-Mediated Inflammation and Remodeling of the Extracellular Matrix Underlies Aortic Stiffening Induced by the Common Chemotherapeutic Agent Doxorubicin. Hypertension, 2021, 77, 1581-1590.	1.3	20
1252	Associations of Brachial-Ankle Pulse Wave Velocity With Left Ventricular Geometry and Diastolic Function in Untreated Hypertensive Patients. Frontiers in Cardiovascular Medicine, 2021, 8, 647491.	1.1	11
1253	The relationship between the atherogenic index of plasma and arterial stiffness in essential hypertensive patients from China: a cross-sectional study. BMC Cardiovascular Disorders, 2021, 21, 245.	0.7	11
1254	Mitochondrial contributions to vascular endothelial dysfunction, arterial stiffness, and cardiovascular diseases. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H2080-H2100.	1.5	52
1255	Role of arterial impairment in preeclampsia: should the paradigm shift?. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H2011-H2030.	1.5	12
1256	Coronary artery disease and its impact on the pulsatile brain: AÂfunctional NIRS study. Human Brain Mapping, 2021, 42, 3760-3776.	1.9	3
1257	Cigarette Smoking Is Related to Endothelial Dysfunction of Resistance, but Not Conduit Arteries in the General Populationâ€"Results From the Gutenberg Health Study. Frontiers in Cardiovascular Medicine, 2021, 8, 674622.	1.1	16
1258	Maintaining Normal Blood Pressure Across the Life Course. Hypertension, 2021, 77, 1490-1499.	1.3	6
1259	Development of a novel CT-derived measure of cardiovascular health: the CT aortic stiffness index (CTASI). Clinical Research in Cardiology, 2021, 110, 1781-1791.	1.5	4
1260	Association of changes of pulse wave velocity and augmentation index after isometric handgrip exercise with coronary lesion extent and revascularization. Clinical Hypertension, 2021, 27, 5.	0.7	0
1261	Determination of Aortic Characteristic Impedance and Total Arterial Compliance From Regional Pulse Wave Velocities Using Machine Learning: An in-silico Study. Frontiers in Bioengineering and Biotechnology, 2021, 9, 649866.	2.0	12
1262	Hypertension in adolescents: diagnosis, treatment, and implications. The Lancet Child and Adolescent Health, 2021, 5, 357-366.	2.7	23
1263	Arterial Stiffness and Type 1 Diabetes: The Current State of Knowledge. Current Diabetes Reviews, 2022, 18, 41-51.	0.6	4
1264	Arterial stiffness and obstructive sleep apnea in patients with arterial hypertension and continuous positive airway pressure therapy. Hypertension, 2021, 14, 39-49.	0.2	0
1265	Anthracycline chemotherapyâ€mediated vascular dysfunction as a model of accelerated vascular aging. Aging and Cancer, 2021, 2, 45-69.	0.5	14

#	Article	IF	Citations
1266	Structural and functional remodeling of the female Apoe^{â^'/â^'} mouse aorta due to chronic cigarette smoke exposure. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H2270-H2282.	1.5	12
1267	Increased Aortic Stiffness Is Associated With Higher Rates of Stroke, Gastrointestinal Bleeding and Pump Thrombosis in Patients With a Continuous Flow Left Ventricular Assist Device. Journal of Cardiac Failure, 2021, 27, 696-699.	0.7	5
1268	Clinical significance of subclinical atherosclerosis in retinal vein occlusion. Scientific Reports, 2021, 11, 11905.	1.6	9
1269	Heat therapy: mechanistic underpinnings and applications to cardiovascular health. Journal of Applied Physiology, 2021, 130, 1684-1704.	1.2	33
1270	Vascular aging phenotypes based on VaSerÐ°-screening results in young people with hypertension: Place of connective tissue dysplasia. Arterial Hypertension (Russian Federation), 2021, 27, 188-205.	0.1	3
1271	Homocysteine predicts vascular target organ damage in hypertension and may serve as guidance for firstâ€line antihypertensive therapy. Journal of Clinical Hypertension, 2021, 23, 1380-1389.	1.0	5
1272	Framingham Heart Study. Journal of the American College of Cardiology, 2021, 77, 2680-2692.	1.2	35
1273	Significance of Hemodynamics Biomarkers, Tissue Biomechanics and Numerical Simulations in the Pathogenesis of Ascending Thoracic Aortic Aneurysms. Current Pharmaceutical Design, 2021, 27, 1890-1898.	0.9	1
1274	Insulin resistance, cardiovascular stiffening and cardiovascular disease. Metabolism: Clinical and Experimental, 2021, 119, 154766.	1.5	231
1275	Can pulse wave velocity (PWV) alone express arterial stiffness? A neglected tool for vascular function assessment. Journal of Basic and Clinical Physiology and Pharmacology, 2021, .	0.7	3
1276	Pulse wave velocity in South African women and children: comparison between the Mobil-O-Graph and SphygmoCor XCEL devices. Journal of Hypertension, 2022, 40, 65-75.	0.3	2
1277	Is there any relation between arterial stiffness and insomnia? A challenging question. Sleep and Breathing, 2022, 26, 333-338.	0.9	1
1278	The association of waterpipe smoking with arterial stiffness and wave reflection in a community-based sample. Blood Pressure, 2021, 30, 300-309.	0.7	4
1279	Sex and the G Proteinâ€"Coupled Estrogen Receptor Impact Vascular Stiffness. Hypertension, 2021, 78, e1-e14.	1.3	9
1280	Ideal Cardiovascular Health and Vascular Phenotype Associations in Mothers with Obesity and Their Six-Year-Old Children. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2021, Volume 14, 3187-3197.	1.1	0
1281	Left atrial expansion index is associated with recurrent stroke. , 2021, 25, 484-490.		1
1282	Association between triglyceride-glucose index and risk of arterial stiffness: a cohort study. Cardiovascular Diabetology, 2021, 20, 146.	2.7	76
1283	Plasticity and Enzymatic Degradation Coupled With Volumetric Growth in Pulmonary Hypertension Progression. Journal of Biomechanical Engineering, 2021, 143, .	0.6	5

#	Article	IF	Citations
1284	Prognostic impact of arterial stiffness following transcatheter aortic valve replacement. Journal of Cardiology, 2021, 78, 37-43.	0.8	7
1285	Accuracy of a new instrument for noninvasive evaluation of pulse wave velocity: the Arterial sTiffness faitHful tOol aSsessment project. Journal of Hypertension, 2021, 39, 2164-2172.	0.3	2
1286	Apigenin restores endothelial function by ameliorating oxidative stress, reverses aortic stiffening, and mitigates vascular inflammation with aging. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H185-H196.	1.5	41
1287	A longitudinal analysis of arterial stiffness and wave reflection in preeclampsia: Identification of changepoints. Metabolism: Clinical and Experimental, 2021, 120, 154794.	1.5	12
1288	Impact of Bariatric Surgery on Pulse Wave Velocity as a Measure of Arterial Stiffness: a Systematic Review and Meta-analysis. Obesity Surgery, 2021, 31, 4461-4469.	1.1	12
1289	The underlying mechanism of intersite discrepancies in ejection time measurements from arterial waveforms and its validation in the Framingham Heart Study. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H135-H148.	1.5	2
1290	Mechanical programming of arterial smooth muscle cells in health and ageing. Biophysical Reviews, 2021, 13, 757-768.	1.5	6
1291	Association of HIV Infection and Antiretroviral Therapy With Arterial Stiffness: A Systematic Review and Meta-Analysis. Hypertension, 2021, 78, 320-332.	1.3	8
1292	Effects of Sodium-Glucose Co-Transporter 2 Inhibitors on Vascular Cell Function and Arterial Remodeling. International Journal of Molecular Sciences, 2021, 22, 8786.	1.8	48
1293	Mutation of the 5â€²-untranslated region stem-loop mRNA structure reduces type I collagen deposition and arterial stiffness in male obese mice. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H435-H445.	1.5	4
1294	MicroRNAs targeting VEGF are related to vascular dysfunction in preeclampsia. Bioscience Reports, 2021, 41, .	1.1	9
1295	Acute effects of hypouricemia on endothelium, oxidative stress, and arterial stiffness: A randomized, doubleâ€blind, crossover study. Physiological Reports, 2021, 9, e15018.	0.7	3
1296	Relations of arterial stiffness and endothelial dysfunction with incident venous thromboembolism. Thrombosis Research, 2021, 204, 108-113.	0.8	2
1297	Predictive Value of the Cardioâ€Ankle Vascular Index for Cardiovascular Events in Patients at Cardiovascular Risk. Journal of the American Heart Association, 2021, 10, e020103.	1.6	33
1298	Association of Coronary Artery Atherosclerosis With Brain White Matter Hyperintensity. Stroke, 2021, 52, 2594-2600.	1.0	13
1299	Endothelial connexin-integrin crosstalk in vascular inflammation. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2021, 1867, 166168.	1.8	6
1300	Effects of Combined Resistance and Aerobic Training on Arterial Stiffness in Postmenopausal Women: A Systematic Review. International Journal of Environmental Research and Public Health, 2021, 18, 9450.	1.2	13
1301	The International Database of Central Arterial Properties for Risk Stratification: Research Objectives and Baseline Characteristics of Participants. American Journal of Hypertension, 2021, , .	1.0	6

#	Article	IF	Citations
1302	Arterial stiffness as an ultrasound biomarker of radiation-induced carotid artery disease. Vasa - European Journal of Vascular Medicine, 2021, 50, 348-355.	0.6	2
1303	Predictors of Arterial Stiffness in Law Enforcement Officers. International Journal of Environmental Research and Public Health, 2021, 18, 10190.	1.2	2
1304	Accuracy and applicability of non-invasive evaluation of aortic wave intensity using only pressure waveforms in humans. Physiological Measurement, 2021, 42, 105003.	1.2	8
1305	The Mechanobiology of Vascular Remodeling in the Aging Lung. Physiology, 2022, 37, 28-38.	1.6	7
1306	Lower Lean Mass Is Associated with Greater Arterial Stiffness in Patients with Lower Extremity Artery Disease. Journal of Personalized Medicine, 2021, 11, 911.	1.1	2
1307	Longitudinal changes in vascular stiffness and heart rate variability among young adults with youth-onset type 2 diabetes: results from the follow-up observational treatment options for type 2 diabetes in adolescents and youth (TODAY) study. Acta Diabetologica, 2022, 59, 197-205.	1.2	12
1308	Sexâ€dependent correlates of arterial stiffness in Tanzanian adults. Tropical Medicine and International Health, 2021, 26, 1494-1502.	1.0	1
1309	District Differences in the Measured Values of Arterial Stiffness in Japan. Circulation Reports, 2021, 3, 620-624.	0.4	1
1310	Increased Arterial Stiffness as a Predictor for Onset and Progression of Diabetic Retinopathy in Type 2 Diabetes Mellitus. Journal of Diabetes Research, 2021, 2021, 1-9.	1.0	8
1311	Serum Angiopoietin-like Protein 3 Level Is Associated with Peripheral Arterial Stiffness in Patients with Coronary Artery Disease. Medicina (Lithuania), 2021, 57, 1011.	0.8	4
1312	Deciphering the Role of microRNAs in Large-Artery Stiffness Associated With Aging: Focus on miR-181b. Frontiers in Physiology, 2021, 12, 747789.	1.3	1
1313	The ClearSight system for postoperative arterial blood pressure monitoring after carotid endarterectomy: a validation study. American Journal of Hypertension, 2021, , .	1.0	3
1314	Dietary sodium intake and sodium load is associated with arterial stiffness in children and young adults. Journal of Hypertension, 2022, 40, 292-299.	0.3	5
1315	Influence of Maternal Lifestyle and Diet on Perinatal DNA Methylation Signatures Associated With Childhood Arterial Stiffness at 8 to 9 Years. Hypertension, 2021, 78, 787-800.	1.3	10
1316	Relationship between presystolic A wave and aortic distensibility in hypertensive patients. Cukurova Medical Journal, 2021, 46, 952-958.	0.1	0
1317	Deletion of type VIII collagen reduces blood pressure, increases carotid artery functional distensibility and promotes elastin deposition. Matrix Biology Plus, 2021, 12, 100085.	1.9	6
1318	Graph Representation Forecasting of Patient's Medical Conditions: Toward a Digital Twin. Frontiers in Genetics, 2021, 12, 652907.	1.1	20
1319	Spironolactone Reduces Aortic Stiffness in Patients With Resistant Hypertension Independent of Blood Pressure Change. Journal of the American Heart Association, 2021, 10, e019434.	1.6	14

#	Article	IF	Citations
1320	Epidemiological Research Advances in Vascular Calcification in Diabetes. Journal of Diabetes Research, 2021, 2021, 1-15.	1.0	11
1321	Discrepancies in Observed and Predicted Longitudinal Change in Central Hemodynamic Measures: The Framingham Heart Study. Hypertension, 2021, 78, 973-982.	1.3	1
1322	Analysis of finite element and finite volume methods for fluid-structure interaction simulation of blood flow in a real stenosed artery. International Journal of Mechanical Sciences, 2021, 207, 106650.	3.6	25
1323	Substrate stiffness modulates endothelial cell function via the YAP-Dll4-Notch1 pathway. Experimental Cell Research, 2021, 408, 112835.	1.2	9
1324	Relationship between A1166C polymorphism of angiotensin II type 1 receptor gene and arteriosclerosis. Medicine (United States), 2021, 100, e24407.	0.4	5
1325	The physiological benefits of sitting less and moving more: Opportunities for future research. Progress in Cardiovascular Diseases, 2022, 73, 61-66.	1.6	7
1326	Imaging modalities for cardiovascular phenotyping in asymptomatic people living with HIV. Vascular Medicine, 2021, 26, 326-337.	0.8	4
1327	Insulin Resistance and Cardiovascular Disease. Contemporary Endocrinology, 2020, , 195-205.	0.3	2
1328	Arterial Function. , 2015, , 373-383.		1
1329	Mechanisms of Arterial Stiffness. SpringerBriefs in Physiology, 2015, , 15-26.	0.2	1
1330	Implications of Arterial Stiffness. SpringerBriefs in Physiology, 2015, , 27-41.	0.2	1
1331	Pulse Pressure and Pulse Pressure Amplification as Biomarkers in Cardiovascular Disease. , 2016, , 917-933.		1
1332	Depressive symptoms, its sub-factors, and augmentation index: the modifying effects according to inflammatory markers. Journal of Affective Disorders, 2020, 272, 380-387.	2.0	8
1333	Reduced shear stress and associated aortic deformation in the thoracic aorta of patients with chronic obstructive pulmonary disease. Journal of Vascular Surgery, 2018, 68, 246-253.	0.6	5
1334	Targeting mitochondrial fitness as a strategy for healthy vascular aging. Clinical Science, 2020, 134, 1491-1519.	1.8	31
1335	Increased arterial stiffness in childhood onset diabetes: a cardiovascular magnetic resonance study. European Heart Journal Cardiovascular Imaging, 2018, 19, 694-700.	0.5	12
1336	Healthy Vascular Aging Is Associated With Higher Cardiorespiratory Fitness. Journal of Cardiopulmonary Rehabilitation and Prevention, 2021, 41, 122-125.	1.2	9
1337	The impact of heart rate on pulse wave velocity: an in-silico evaluation. Journal of Hypertension, 2020, 38, 2451-2458.	0.3	10

#	Article	IF	Citations
1338	Invasive aortic pulse pressure is not superior to cuff pulse pressure in cardiovascular risk prediction. Journal of Hypertension, 2021, 39, 607-613.	0.3	13
1342	A populationâ€based crossâ€sectional study of the association between periodontitis and arterial stiffness among the older Japanese population. Journal of Periodontal Research, 2021, 56, 423-431.	1.4	6
1343	Relationship of salusin-alpha and salusin-beta levels with atherosclerosis in patients undergoing haemodialysis. Singapore Medical Journal, 2019, 60, 210-215.	0.3	8
1344	Cardiovascular protection in females linked to estrogen-dependent inhibition of arterial stiffening and macrophage MMP12. JCI Insight, 2019, 4, .	2.3	35
1345	A Low-Calorie Diet with or without Exercise Reduces Postprandial Aortic Waveform in Females with Obesity. Medicine and Science in Sports and Exercise, 2021, 53, 796-803.	0.2	16
1346	Associations between arterial stiffening and brain structure, perfusion, and cognition in the Whitehall II Imaging Sub-study: A retrospective cohort study. PLoS Medicine, 2020, 17, e1003467.	3.9	19
1347	Aortic Wave Dynamics and Its Influence on Left Ventricular Workload. PLoS ONE, 2011, 6, e23106.	1.1	19
1348	Altered Arterial Stiffness and Subendocardial Viability Ratio in Young Healthy Light Smokers after Acute Exercise. PLoS ONE, 2011, 6, e26151.	1.1	47
1349	Synergistic Effects of Serum Uric Acid and Cardiometabolic Risk Factors on Early Stage Atherosclerosis: The Cardiometabolic Risk in Chinese Study. PLoS ONE, 2012, 7, e51101.	1.1	27
1350	The Focal Adhesion: A Regulated Component of Aortic Stiffness. PLoS ONE, 2013, 8, e62461.	1.1	58
1351	Smooth Muscle LDL Receptor-Related Protein-1 Deletion Induces Aortic Insufficiency and Promotes Vascular Cardiomyopathy in Mice. PLoS ONE, 2013, 8, e82026.	1.1	13
1352	Association of EZSCAN Values with Arterial Stiffness in Individuals without Diabetes or Cardiovascular Disease. PLoS ONE, 2014, 9, e90854.	1.1	9
1353	On Cross-Sectional Associations of Leukocyte Telomere Length with Cardiac Systolic, Diastolic and Vascular Function: The Asklepios Study. PLoS ONE, 2014, 9, e115071.	1.1	19
1354	The AGE-RAGE Axis and Its Relationship to Markers of Cardiovascular Disease in Newly Diagnosed Diabetic Patients. PLoS ONE, 2016, 11, e0159175.	1.1	27
1355	Loss of Nlrp3 Does Not Protect Mice from Western Diet-Induced Adipose Tissue Inflammation and Glucose Intolerance. PLoS ONE, 2016, 11, e0161939.	1.1	21
1356	A non-linear data mining parameter selection algorithm for continuous variables. PLoS ONE, 2017, 12, e0187676.	1.1	8
1357	Longitudinal Changes in Vascular Risk Markers and Mortality Rates among a Latino Population with Hypertension. Texas Heart Institute Journal, 2016, 43, 131-136.	0.1	3
1358	NEW APPROACH TOWARDS THE INTEGRAL ASSESSMENT OF CARDIOVASCULAR STATUS IN PATIENTS WITH ARTERIAL HYPERTENSION. Russian Journal of Cardiology, 2014, , 101-106.	0.4	7

#	Article	IF	Citations
1359	Oral trehalose supplementation improves resistance artery endothelial function in healthy middle-aged and older adults. Aging, 2016, 8, 1167-1183.	1.4	64
1360	Impact of biological aging on arterial aging in American Indians: findings from the Strong Heart Family Study. Aging, 2016, 8, 1583-1592.	1.4	13
1361	Increased serum salusin-Î± by aerobic exercise training correlates with improvements in arterial stiffness in middle-aged and older adults. Aging, 2020, 12, 1201-1212.	1.4	9
1362	Lifelong SIRT-1 overexpression attenuates large artery stiffening with advancing age. Aging, 2020, 12, 11314-11324.	1.4	27
1363	Melatonin attenuates angiotensin II-induced abdominal aortic aneurysm through the down-regulation of matrix metalloproteinases. Oncotarget, 2017, 8, 14283-14293.	0.8	23
1364	Central and peripheral blood pressures and arterial stiffness increase in hypoparathyroidism. Archives of Endocrinology and Metabolism, 2020, 64, 374-382.	0.3	5
1365	Imaging Subclinical Atherosclerosis: Where Do We Stand?. Current Cardiology Reviews, 2016, 13, 47-55.	0.6	17
1366	The Effect of Antihypertensive Drugs on Arterial Stiffness and Central Hemodynamics: Not All Fingers are Made the Same. Open Hypertension Journal, 2013, 5, 75-81.	0.8	5
1368	Improving blood pressure control, organoprotection and metabolic disorders correction in patients with hypertension switching from diuretic-based combinations to fixed combination lisinopril + amlodipine + rosuvastatin. Systemic Hypertension, 2018, 15, 24-31.	0.1	3
1369	Association between Aortic Stiffness and Cerebral Pulsatility is Modestly Influenced by Augmentation Index. Artery Research, 2019, 25, 95-100.	0.3	1
1370	Regional Differences in the Prevalence of Cardiovascular Disease. Deutsches Ärzteblatt International, 2016, 113, 704-711.	0.6	44
1371	Peripheral Arterial Stiffness in Primary Aldosteronism. Physiological Research, 2012, 61, 461-468.	0.4	26
1372	Measuring Ascending Aortic Stiffness In Vivo in Mice Using Ultrasound. Journal of Visualized Experiments, 2014, , .	0.2	6
1373	Gender difference in the association between brachial-ankle pulse wave velocity and cardiovascular risk scores. Korean Journal of Internal Medicine, 2019, 34, 539-548.	0.7	7
1374	Effect of Vitamin D supplementation on vascular functions and oxidative stress in type 2 diabetic patients with Vitamin D deficiency. Indian Journal of Endocrinology and Metabolism, 2017, 21, 555.	0.2	20
1375	I Luso-Brazilian Positioning on Central Arterial Pressure. Arquivos Brasileiros De Cardiologia, 2017, 108, 100-108.	0.3	13
1376	VELOCIDAD DE LA ONDA DE PULSO: RELEVANCIA DE LA EDAD EN NORMOTENSION, HIPERTENSION LIMITROFE E HIPERTENSION ESENCIALes. Revista Argentina De Cardiologia, 2015, 83, 112-118.	0.3	2
1377	Circulating fibroblast growth factor 21 links hemodynamics with kidney function in middle-aged and older adults: A mediation analysis. Hypertension Research, 2022, 45, 125-134.	1.5	3

#	Article	IF	Citations
1378	Matrix Stiffness Affects Glycocalyx Expression in Cultured Endothelial Cells. Frontiers in Cell and Developmental Biology, 2021, 9, 731666.	1.8	12
1379	Predictive value of the cardioâ€ankle vascular index for recurrence of atrial fibrillation after catheter ablation. PACE - Pacing and Clinical Electrophysiology, 2021, 44, 1861-1873.	0.5	3
1380	Arterial Stiffness as a Cardiovascular Risk Factor for the Development of Preeclampsia and Pharmacopreventive Options. Current Vascular Pharmacology, 2022, 20, 52-61.	0.8	2
1381	Large artery properties in arterial hypertension. Cor Et Vasa, 2011, 53, 418-422.	0.1	0
1382	Cardiovascular Health vs Cardiovascular Risk A 2011 Update: Cardiovascular Risk Stratification, the Basis to Reach Therapeutic Goals. Current Hypertension Reviews, 2011, 7, 126-136.	0.5	0
1383	Arterial Stiffness as an Early Marker of Organ Damage. , 2012, , 171-179.		0
1384	Relationship between Serum Cystatin C and Arterial Stiffness in Type 2 Diabetes Patients with Normal Renal Function. Soonchunhyang Medical Science, 2012, 18, 21-25.	0.0	0
1385	Arterial Function in Children. , 2013, , 1141-1153.		0
1386	THE IMPACT OF ANTI B-CELL THERAPY ON ARTERIAL STIFFNESS IN SYSTEMIC SCLERODERMA. Arterial Hypertension (Russian Federation), 2013, 19, 212-220.	0.1	1
1387	Treating Arterial Stiffness in Metabolic Syndrome and Type 2 Diabetes Mellitus. Open Hypertension Journal, 2013, 5, 102-106.	0.8	1
1388	Arterial Stiffness, Wave Reflection, Wave Amplification: Basic Concepts, Principles of Measurement and Analysis in Humans. , 2014, , 3-13.		3
1389	All Things are Lawful, but not all Things are Helpful. Reflections on the Risk Factors in Cardiovascular Disease. Journal of Diabetes & Metabolism, 2014, 05, .	0.2	0
1390	Predictive Value of Arterial Stiffness for Cardiovascular Events. , 2014, , 257-266.		0
1391	Value of Brachial and Central Blood Pressure for Predicting Cardiovascular Events. , 2014, , 243-256.		1
1392	Pulse Pressure Amplification and Arterial Stiffness in Middle Age. , 2014, , 281-295.		0
1393	Arterial Stiffness, Central Blood Pressure and Coronary Heart Disease. , 2014, , 363-374.		2
1394	Polyvascular Disease: Principles of Diagnosis and Management. , 2014, , 1-28.		0
1395	Reversing Arterial Stiffening and Calcification: A Pipe Dream?. , 2015, , 145-152.		0

#	Article	IF	Citations
1396	Arterial wall stiffness in patients with essential hypertension at young age.. Medicni Perspektivi, 2014, 19, 25-33.	0.1	1
1397	Polyvascular Disease: Principles of Diagnosis and Management. , 2015, , 4811-4835.		0
1398	Pulse Pressure and Pulse Pressure Amplification as Biomarkers in Cardiovascular Disease. , 2015, , 1-17.		0
1399	VaskulÃre Diagnostik. , 2015, , 1-10.		1
1400	ZÅ‚oÅ¼ona natura sztywnoÅ›ci naczyniowej u chorych z nadciÅ›nieniem tÄ™tniczym. Folia Cardiologica, 2015, 10, 1-7.	0.1	0
1401	Pathophysiology of Subclinical Brain Damage in Hypertension: Large Artery Disease. Updates in Hypertension and Cardiovascular Protection, 2016, , 61-74.	0.1	2
1402	Proposing arterial stiffness as an alternative way of assessing risk in transient ischaemic attack (TIA) patients. British Journal of Diabetes, 2016, 16, 16.	0.1	0
1403	Dynamics of Conditions of Arterial Stiffness in Hypertensive Patients with Obstructive Sleep Apnea. Hypertension, 2016, .	0.2	0
1404	Evaluation of arterial stiffness and possibility to predict carotid atherosclerosis in patients with essential hypertension based on an outpatient facility. Klinicheskaia Meditsina, 2016, 94, 211-217.	0.2	1
1405	The Effect of Cardiovascular Health Promotion Program Based on Laugh on Vascular Health of the Aged in Island. , 2016, , .		0
1406	Vascular stiffness in patients with arterial hypertension: possible antihypertensive therapy. Systemic Hypertension, 2016, 13, 17-23.	0.1	1
1407	Erectile dysfunction and cardiovascular risk. , 2016, , 27-30.		0
1408	High aortic pulse-wave velocity may be responsible for elevated red blood cell distribution width in overweight and obese people: a community-based, cross-sectional study. Cardiovascular Journal of Africa, 2016, 27, 246-251.	0.2	5
1409	Features of vascular stiffness in pregnancy complicated by preeclampsia and postpartum. Journal of Obstetrics and Women's Diseases, 2016, 65, 49-55.	0.0	3
1410	Features of blood pressure variability and arterial stiffness in hypertensive men with androgen deficiency. ZaporoÅ¾skij Medicinskij Å½urnal, 2016, .	0.0	0
1412	Vascular and Cardiac Imaging Techniques and their Applicability to Childhood Hypertension. , 2017, , 1-17.		0
1413	Aortic propagation velocity does not correlate with classical aortic stiffness parameters in healthy individuals. Anatolian Journal of Cardiology, 2017, 18, 340-346.	0.5	2
1414	Clinical usefulness of cardio-ankle vascular index, local artery carotid stiffness and global longitudinal strain in subjects with cardiovascular risk factors. Journal of Cardiovascular Echography, 2017, 27, 81.	0.1	0

#	Article	IF	Citations
1415	Menopause and Cardiovascular Risk. , 2017, , 87-105.		0
1416	Relationship between Pulse Wave Velocity and Sympathetic Nerve Activity in Adolescence with Gender Differences. Rigakuryoho Kagaku, 2017, 32, 273-278.	0.0	0
1417	PROGNOSTIC VALUE OF ARTERIAL STIFFNESS PARAMETERS CHANGES IN CARDIOVASCULAR DISEASES DEVELOPMENT BY DIABETES MELLITUS (literature review). Problemi Endokrinnoi Patologii, 2017, 59, 98-110.	0.0	0
1418	Chronic kidney disease and cardiovascular events: a focus on central blood pressure. Systemic Hypertension, 2017, 14, 58-60.	0.1	2
1419	Daily Physical Activity Improves Vascular Function and Motor Skills in Children. Journal of Sports Science, 2017, 5, .	0.1	2
1420	Sensitivities of in vivo markers of arterial organ damage in patients with peripheral atherosclerosis. Vasa - European Journal of Vascular Medicine, 2018, 47, 30-35.	0.6	1
1421	Vascular and Cardiac Imaging Techniques and Their Applicability to Childhood Hypertension. , 2018, , 709-725.		0
1422	Arterial pulses assessed with FBG based films: a smart skin approach. , 2018, , .		4
1423	Fixed combination of amlodipine/indapamide-retard in the treatment of uncontrolled hypertension in subjects over 55 years old. Arterial Hypertension (Russian Federation), 2018, 24, 586-595.	0.1	2
1425	Inflammatory and vascular correlates of mood change over 8 weeks. Heart and Mind (Mumbai, India), 2019, 3, 47.	0.2	4
1426	Assessment of Arterial Stiffness Index Calculated from Accelerated Photoplethysmography. Artery Research, 2019, 25, 37-40.	0.3	2
1427	The role of vascular tissue stiffness and endothelial cellular stiffness. Japanese Journal of Thrombosis and Hemostasis, 2019, 30, 496-504.	0.1	0
1428	Role of Magnetic Resonance Imaging in Transcatheter Aortic Valve Implantation. , 2019, , 99-114.		0
1429	Prevention of Hypertension and Arterial Stiffness by Combination of Centella asiatica and Curcuma longa in Rats. Asian Journal of Biological Sciences, 2019, 12, 173-179.	0.2	1
1430	Child Blood Pressure Profile in Bali, Indonesia. Open Access Macedonian Journal of Medical Sciences, 2019, 7, 1962-1967.	0.1	2
1431	Open-label single center clinical trial of early-morning blood pressure reduction in patients with mild to moderate hypertension with controlled office blood pressure and uncontrolled morning blood pressure surge by telmisartan (Telsartan) therapy with. Hypertension, 2019, .	0.2	0
1434	Relationship between Arterial Stiffness as Measured by the Cardio-Ankle Vascular Index with Body Mass Index in Healthy Elderly Subjects. Korean Journal of Clinical Laboratory Science, 2019, 51, 277-285.	0.1	1
1436	A Hypothesized Mechanistic Model of Longitudinal Wall Motion at the Common Carotid Artery. , 2019, , .		0

#	Article	IF	Citations
1437	Interpretation of the Results of Arterial Stiffness Tests. Korean Journal of Medicine, 2019, 94, 500-510.	0.1	0
1438	The Differences in the Socio-Economic Levels and Blood Vessel Health States in Asian Countries. Iranian Journal of Public Health, 0, , .	0.3	0
1440	Time of angiotensin II receptor blockers intake and their antihypertensive effect: own experience of chronotherapy. Hypertension, 2020, 13, 5-18.	0.2	1
1441	Association of Non-Invasive Positive Pressure Ventilation with Short-Term Clinical Outcomes in Patients Hospitalized for Acute Decompensated Heart Failure. Journal of Clinical Medicine, 2021, 10, 5092.	1.0	2
1442	Interrelationships Between Micro- and Macrocirculation. Updates in Hypertension and Cardiovascular Protection, 2020, , 103-119.	0.1	0
1443	Neck-to-height ratio and arterial stiffness in Chinese adults: cross-sectional associations in a community-based cohort. Journal of Hypertension, 2021, 39, 1195-1202.	0.3	4
1444	Prevalence of hypertension, arterial stiffness and risk factor association. Journal of Cardiology & Current Research, 2020, 13, 167-174.	0.1	0
1445	Markers of Endothelial Dysfunction as Predictors of Complicated Acute Myocardial Infarction in Combination with Type 2 Diabetes Mellitus. UkraÃ¯nsÊ¹kij Å¾urnal Medicini BÃ¬ologÃ¬Ã¯ Ta Sportu, 2020, 5, 195-201.	0.0	0
1446	Association between arterial stiffness and the clustering of metabolic syndrome risk factors: a systematic review and meta-analysis. Journal of Hypertension, 2021, 39, 1051-1059.	0.3	10
1447	The Effect of DPP-4i on Endothelial Function and Arterial Stiffness in Patients with Type 2 Diabetes: A Systematic Review of Randomized Placebo-controlled Trials. Current Pharmaceutical Design, 2020, 26, 5980-5987.	0.9	5
1448	Sex Differences in the Relationship Between Arterial Stiffness and Cognitive Function in Older Adults. Journal of Stroke and Cerebrovascular Diseases, 2022, 31, 106175.	0.7	2
1449	Increased cardio-ankle vascular index values in patients with acute branch retinal vein occlusion. Indian Journal of Ophthalmology, 2020, 68, 868.	0.5	3
1450	Aortic Stiffness in HIV Infection with and without Antiretroviral Therapy. A Meta-analysis of Observational Studies. Artery Research, 2020, 26, 13-20.	0.3	0
1451	Sleep Quality is associated with Central Arterial Stiffness in Postmenopausal Women: A Cross-sectional Pilot Study. Artery Research, 2021, 27, 14-19.	0.3	2
1452	The Prognostic Role of Aortic Stiffness in Patients Hospitalized for an Acute Heart Failure Syndrome. Artery Research, 2021, 27, 7-13.	0.3	0
1453	Pressure Dependency of Retinal Arterial Pulse Wave Velocity in the Rat. Artery Research, 2020, 26, 27-33.	0.3	0
1454	Pulse Wave Velocity Comparing Estimated and Direct Measures of Path Length in Older Women. Artery Research, 2020, 26, 236-241.	0.3	1
1455	Aortic Stiffness: Epidemiology, Risk Factors, and Relevant Biomarkers. Frontiers in Cardiovascular Medicine, 2021, 8, 709396.	1.1	27

#	Article	IF	Citations
1456	Revealing Chronic Granulomatous Disease in a Patient With Williams-Beuren Syndrome Using Whole Exome Sequencing. Frontiers in Immunology, 2021, 12, 778133.	2.2	4
1457	Arterial stiffness and kidney disease progression in the systolic blood pressure intervention trial. Clinical Nephrology, 2020, 94, 26-35.	0.4	4
1458	Dietary Sodium Restriction Decreases Urinary Ngal in Older Adults with Moderately Elevated Systolic Blood Pressure Free from Chronic Kidney Disease. Journal of Investigative Medicine, 2020, 68, 1271-1275.	0.7	2
1460	Methodological considerations for the measurement of arterial stiffness using applanation tonometry. Journal of Hypertension, 2021, 39, 428-436.	0.3	2
1461	Relations of aortic stiffness with arterial damage beyond brachial pressure are both dependent and independent of central arterial pulsatile load. Journal of Hypertension, 2021, 39, 718-728.	0.3	3
1462	Evaluation of the relationship between pseudo-hypertension and the parameters of subclinical atherosclerosis. Blood Pressure Monitoring, 2021, 26, 1-7.	0.4	2
1463	Large elastic artery stiffness with aging: novel translational mechanisms and interventions. , 2013, 4, 76-83.		28
1464	Relation of the aortic stiffness with the GRACE risk score in patients with the non ST-segment elevation myocardial infarction. International Journal of Clinical and Experimental Medicine, 2014, 7, 3030-6.	1.3	3
1465	New cardiovascular risk factors and their use for an accurate cardiovascular risk assessment in hypertensive patients. MÃ¦dica, 2014, 9, 127-34.	0.4	3
1466	The Differences in the Socio-Economic Levels and Blood Vessel Health States in Asian Countries. Iranian Journal of Public Health, 2019, 48, 1174-1176.	0.3	0
1467	Acute Effects of Winter Sports and Indoor Cycling on Arterial Stiffness. Journal of Sports Science and Medicine, 2020, 19, 460-468.	0.7	2
1469	Stiffness of aortic arch and carotid arteries increases in -knockout mice with high-fat diet: evidence from echocardiography. American Journal of Translational Research (discontinued), 2021, 13, 1352-1364.	0.0	1
1470	Degradation of Premature-miR-181b by the Translin/Trax RNase Increases Vascular Smooth Muscle Cell Stiffness. Hypertension, 2021, 78, 831-839.	1.3	2
1471	Arterial Stiffness Alterations in Simulated Microgravity and Reactive Sledge as a Countermeasure. High Blood Pressure and Cardiovascular Prevention, 2022, 29, 65-74.	1.0	3
1472	Matrix Gla Protein Levels Are Associated With Arterial Stiffness and Incident Heart Failure With Preserved Ejection Fraction. Arteriosclerosis, Thrombosis, and Vascular Biology, 2022, 42, ATVBAHA121316664.	1.1	10
1473	Clinical Applications Measuring Arterial Stiffness: An Expert Consensus for the Application of Cardio-Ankle Vascular Index. American Journal of Hypertension, 2022, 35, 441-453.	1.0	12
1474	Arterial stiffness and pulse wave morphology in Chagas heart failure. Journal of Cardiovascular Medicine, 2021, Publish Ahead of Print, e36-e38.	0.6	0
1475	Associations of Sex Hormones and Hormonal Status With Arterial Stiffness in a Female Sample From Reproductive Years to Menopause. Frontiers in Endocrinology, 2021, 12, 765916.	1.5	12

#	Article	IF	Citations
1476	Comparison of China Reference with Different National and International References: The Prevalence of High Blood Pressure in 695,302 Children and Adolescents in a Metropolis of Yangtze River Delta, China. International Journal of Hypertension, 2021, 2021, 1-8.	0.5	1
1477	A SAGE score cutoff that predicts high-pulse wave velocity as measured by oscillometric devices in Brazilian hypertensive patients. Hypertension Research, 2021, , .	1.5	3
1478	Egg consumption improves vascular and gut microbiota function without increasing inflammatory, metabolic, and oxidative stress markers. Food Science and Nutrition, 2022, 10, 295-304.	1.5	14
1479	Differential biomechanics in resistance arteries of male compared with female Dahl hypertensive rats. Journal of Hypertension, 2022, 40, 596-605.	0.3	3
1480	Low serum 25â€Hydroxy (OH) vitamin D levels are associated with increased arterial stiffness in healthy children: An echocardiographic study from Turkey. Echocardiography, 2021, 38, 1941-1947.	0.3	1
1481	Long working hours and risk of cardiovascular outcomes and diabetes type II: five-year follow-up of the Gutenberg Health Study (GHS). International Archives of Occupational and Environmental Health, 2022, 95, 303-312.	1.1	6
1482	Endothelin receptor blockade blunts the pressor response to acute stress in men and women with obesity. Journal of Applied Physiology, 2022, 132, 73-83.	1.2	4
1483	Is It Good to Have a Stiff Aorta with Aging? Causes and Consequences. Physiology, 2022, 37, 154-173.	1.6	16
1484	Arterial stiffness, carotid intima-media thickness, endocan and A disintegrin-like and metalloprotease with thrombospondin type I motif 9 levels and their relationship with disease activity in acromegaly patients with and without cardiovascular risk factors. Endocrine Practice, 2021, , .	1.1	1
1485	Does body mass index or waist-hip ratio correlate with arterial stiffness based on brachial-ankle pulse wave velocity in Chinese rural adults with hypertension?. BMC Cardiovascular Disorders, 2021, 21, 573.	0.7	5
1486	Aortic stiffness in hidradenitis suppurativa: A case-control study. Dermatologica Sinica, 2021, 39, 182.	0.2	2
1487	Urinary Proteomic Profile of Arterial Stiffness as a Predictor of Mortality and Cardiovascular Outcomes. SSRN Electronic Journal, 0, , .	0.4	0
1488	High-Altitude Erythrocytosis: Mechanisms of Adaptive and Maladaptive Responses. Physiology, 2022, 37, 175-186.	1.6	12
1489	Arterial Stiffness Measurements in Pregnancy as a Predictive Tool for Hypertensive Disorders of Pregnancy and Preeclampsia: Protocol for a Systematic Review and Meta-Analysis. European Journal of Obstetrics and Gynecology and Reproductive Biology: X, 2022, 13, 100141.	0.6	2
1490	Simultaneous adaption of the gain and phase of a generalized transfer function for aortic pressure waveform estimation. Computers in Biology and Medicine, 2022, 141, 105187.	3.9	2
1491	Heart Disease and Stroke Statisticsâ€"2022 Update: A Report From the American Heart Association. Circulation, 2022, 145, CIR0000000000001052.	1.6	2,561
1492	Effect of Arterial Stiffness and Carotid Intima-Media Thickness Progression on the Risk of Dysglycemia, Insulin Resistance, and Dyslipidemia: a Temporal Causal Longitudinal Study. Hypertension, 2022, 79, 667-678.	1.3	34
1493	Measuring Arterial Pulsatility With Dynamic Inflow Magnitude Contrast. Frontiers in Neuroscience, 2021, 15, 795749.	1.4	0

#	Article	IF	Citations
1494	Arterial Stiffness, Genetic Risk, and Type 2 Diabetes: A Prospective Cohort Study. Diabetes Care, 2022, 45, 957-964.	4.3	13
1495	The effect of non-invasively obtained central blood pressure on cardiovascular outcome in diabetic patients in Assiut University Hospitals. The Egyptian Journal of Internal Medicine, 2022, 34, .	0.3	0
1496	Issue of Waist Circumference for the Diagnosis of Metabolic Syndrome Regarding Arterial Stiffness: Possible Utility of a Body Shape Index in Middle-Aged Nonobese Japanese Urban Residents Receiving Health Screening. Obesity Facts, 2022, , 1-10.	1.6	10
1497	Diabetes mellitus is associated with worse baseline and less post-treatment recovery of arterial stiffness in patients with primary aldosteronism. Therapeutic Advances in Chronic Disease, 2022, 13, 204062232110667.	1.1	6
1498	The Functional Polymorphism of DDAH2 rs9267551 Is an Independent Determinant of Arterial Stiffness. Frontiers in Cardiovascular Medicine, 2021, 8, 811431.	1.1	0
1499	Using Polyacrylamide Hydrogels to Model Physiological Aortic Stiffness Reveals that Microtubules Are Critical Regulators of Isolated Smooth Muscle Cell Morphology and Contractility. Frontiers in Pharmacology, 2022, 13, 836710.	1.6	8
1500	Poor Trunk Flexibility is Associated with Cardiovascular Risk Factors. International Journal of Cardiovascular Sciences, 2022, , .	0.0	0
1501	Optimal lifestyle behaviors and 10â€year progression of arterial stiffness: The multiâ€ethnic study of atherosclerosis. Journal of Clinical Hypertension, 2022, , .	1.0	1
1502	Aortic Pulse Wave Velocity as Adjunct Risk Marker for Assessing Cardiovascular Disease Risk: Prospective Study. Hypertension, 2022, 79, 836-843.	1.3	9
1503	Meta-analysis on the Association Between Thyroid Hormone Disorders and Arterial Stiffness. Journal of the Endocrine Society, 2022, 6, bvac016.	0.1	4
1504	Hypertension-Mediated Organ Damage: Prevalence, Correlates, and Prognosis in the Community. Hypertension, 2022, 79, 505-515.	1.3	25
1505	A novel operator-independent noninvasive device for assessing arterial reactivity. IJC Heart and Vasculature, 2022, 39, 100960.	0.6	0
1507	Variational Disentanglement for Rare Event Modeling. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 10469-10477.	3.6	0
1508	Disparate Associations of 24-h Central Aortic and Brachial Cuff Blood Pressure With Hypertension-Mediated Organ Damage and Cardiovascular Risk. Frontiers in Cardiovascular Medicine, 2022, 9, 795509.	1.1	1
1510	Non-alcoholic/Metabolic-Associated Fatty Liver Disease and Helicobacter pylori Additively Increase the Risk of Arterial Stiffness. Frontiers in Medicine, 2022, 9, 844954.	1.2	6
1511	Extracellular Matrix in Aging Aorta. Frontiers in Cell and Developmental Biology, 2022, 10, 822561.	1.8	18
1512	Arterial Stiffness and Long-Term Risk of Health Outcomes: The Framingham Heart Study. Hypertension, 2022, 79, 1045-1056.	1.3	45
1513	Triglyceride-glucose index trajectory and arterial stiffness: results from Hanzhong Adolescent Hypertension Cohort Study. Cardiovascular Diabetology, 2022, 21, 33.	2.7	26

#	Article	IF	Citations
1514	Use of phase-contrast MRI to measure aortic stiffness in young-onset hypertension: a pilot study. Cardiology in the Young, 2023, 33, 266-270.	0.4	0
1515	Association between four-limb blood pressure differences and arterial stiffness: a cross-sectional study. Postgraduate Medicine, 2022, , 1-7.	0.9	0
1516	Arterial Stiffness in a Cohort of Young People Living With Perinatal HIV and HIV Negative Young People in England. Frontiers in Cardiovascular Medicine, 2022, 9, 821568.	1.1	4
1517	Probing the Mechanical Properties of Large Arteries by Measuring Their Deformation In Vivo with Ultrasound. Ultrasound in Medicine and Biology, 2022, 48, 1033-1044.	0.7	1
1518	Differential Roles of Life-Course Cumulative Burden of Cardiovascular Risk Factors in Arterial Stiffness and Thickness. Canadian Journal of Cardiology, 2022, 38, 1253-1262.	0.8	10
1519	Cardiovascular disease risk and pathogenesis in systemic lupus erythematosus. Seminars in Immunopathology, 2022, 44, 309-324.	2.8	18
1520	The relationship of endothelial function and arterial stiffness with subclinical target organ damage in essential hypertension. Journal of Clinical Hypertension, 2022, 24, 418-429.	1.0	9
1521	Improving the accuracy and robustness of carotid-femoral pulse wave velocity measurement using a simplified tube-load model. Scientific Reports, 2022, 12, 5147.	1.6	4
1522	EPR spectroscopic evidence of iron-catalysed free radical formation in chronic mountain sickness: Dietary causes and vascular consequences. Free Radical Biology and Medicine, 2022, 184, 99-113.	1.3	5
1523	Association of chronic inflammation with cardiovascular risk in chronic obstructive pulmonary diseaseâ€"A crossâ€sectional study. Health Science Reports, 2022, 5, e586.	0.6	3
1524	Association between osteosarcopenia and coronary artery calcification in asymptomatic individuals. Scientific Reports, 2022, 12, 2231.	1.6	5
1525	The effects of active upper-limb versus passive lower-limb exercise on quality of life among individuals with motor-complete spinal cord injury. Spinal Cord, 2022, , .	0.9	1
1526	Computational insights into Si-doped (10,0) SWCNT as polypill model for cardiovascular disease. Diamond and Related Materials, 2022, 124, 108945.	1.8	0
1527	Study protocol: MyoFit46â€"the cardiac sub-study of the MRC National Survey of Health and Development. BMC Cardiovascular Disorders, 2022, 22, 140.	0.7	4
1528	Evaluation of Intima-Media Thickness and Arterial Stiffness as Early Ultrasound Biomarkers of Carotid Artery Atherosclerosis. Cardiology and Therapy, 2022, 11, 231-247.	1.1	25
1529	Preclinical atherosclerosis and cardiovascular events: Do we have a consensus about the role of preclinical atherosclerosis in the prediction of cardiovascular events?. Atherosclerosis, 2022, 348, 25-35.	0.4	18
1530	Estimation of central pulse wave velocity from radial pulse wave analysis. Computer Methods and Programs in Biomedicine, 2022, 219, 106781.	2.6	7
1531	LPA Genotypes and Haplotypes Are Associated with Lipoprotein(a) Levels but Not Arterial Wall Properties in Stable Post-Coronary Event Patients with Very High Lipoprotein(a) Levels. Journal of Cardiovascular Development and Disease, 2021, 8, 181.	0.8	6

#	Article	IF	Citations
1532	Augmentation index and pulse wave velocity in normotensive versus preeclamptic pregnancies: a prospective caseâ€“control study using a new oscillometric method. Annals of Medicine, 2022, 54, 1-10.	1.5	3
1533	Physical Activity and Diet Quality: Effects on Cardiovascular Morbidity in Women with Turner Syndromeâ€”Results from an Online Patient Survey. Journal of Clinical Medicine, 2022, 11, 167.	1.0	3
1534	Association of Oxidative Stress Markers with Vascular Stiffness Parameters in Patients with Diabetic Neuropathy. BioMed, 2022, 2, 1-12.	0.6	0
1535	Carotidâ€“femoral pulse wave velocity acquisition methods and their associations with cardiovascular risk factors and subclinical biomarkers of vascular health. Journal of Hypertension, 2022, 40, 658-665.	0.3	1
1536	Classical risk factors for primary coronary artery disease from an aging perspective through Mendelian Randomization. GeroScience, 2022, 44, 1703-1713.	2.1	8
1537	Sex influences the effect of adiposity on arterial stiffness and reninâ€angiotensin aldosterone system activity in young adults. Endocrinology, Diabetes and Metabolism, 2022, 5, e00317.	1.0	3
1538	Assessment of ventricular arterial interactions via arterial pressure-flow relations in humans. , 2022, , 269-279.		0
1539	Arterial stiffness for cardiovascular risk stratification in clinical practice. , 2022, , 503-525.		0
1540	Arterial stiffness and pulsatile hemodynamics in systemic hypertension. , 2022, , 445-455.		0
1541	Arterial wall stiffness: basic principles and methods of measurement inÂvivo. , 2022, , 111-124.		0
1542	Intracranial atherosclerosis in pseudoxanthoma elasticum: A case-control study. Atherosclerosis, 2022, 350, 19-24.	0.4	0
1543	Urinary Proteomic Profile of Arterial Stiffness Is Associated With Mortality and Cardiovascular Outcomes. Journal of the American Heart Association, 2022, 11, e024769.	1.6	9
1544	Cardiac Rehabilitation in Peripheral Artery Disease in a Tertiary Centerâ€”Impact on Arterial Stiffness and Functional Status after 6 Months. Life, 2022, 12, 601.	1.1	7
1547	Effect of aerobic exercise training frequency on arterial stiffness in middle-aged and elderly females. Journal of Physical Therapy Science, 2022, 34, 347-352.	0.2	3
1548	Integrated approach of brachial-ankle pulse wave velocity and cardiovascular risk scores for predicting the risk of cardiovascular events. PLoS ONE, 2022, 17, e0267614.	1.1	3
1549	Racial and ethnic disparities in cardiometabolic disease and COVID-19 outcomes in White, Black/African American, and Latinx populations: Physiological underpinnings. Progress in Cardiovascular Diseases, 2022, 71, 11-19.	1.6	9
1550	Glycated Hemoglobin and Risk of Arterial Stiffness in a Chinese Han Population: A Longitudinal Study. Frontiers in Endocrinology, 2022, 13, 854875.	1.5	8
1551	Arterial Stiffness Determinants for Primary Cardiovascular Prevention among Healthy Participants. Journal of Clinical Medicine, 2022, 11, 2512.	1.0	12

#	Article	IF	Citations
1552	Autonomous cortisol secretion is associated with worse arterial stiffness and vascular fibrosis in primary aldosteronism: a cross-sectional study with follow-up data. European Journal of Endocrinology, 2022, 187, 197-208.	1.9	7
1553	Arterial Stiffness and Adult Onset Vasculitis: A Systematic Review. Frontiers in Medicine, 2022, 9, .	1.2	6
1554	Nicotinamide Riboside Supplementation for Treating Elevated Systolic Blood Pressure and Arterial Stiffness in Midlife and Older Adults. Frontiers in Cardiovascular Medicine, 2022, 9, .	1.1	9
1555	Triglyceride-glucose index as a marker in cardiovascular diseases: landscape and limitations. Cardiovascular Diabetology, 2022, 21, 68.	2.7	162
1556	Relationships between muscle sympathetic nerve activity and novel indices of arterial stiffness using single oscillometric cuff in patients with hypertension. Physiological Reports, 2022, 10, e15270.	0.7	2
1558	Ultra-high frequency ultrasound delineated changes in carotid and muscular artery intima-media and adventitia thickness in obese early middle-aged women. Diabetes and Vascular Disease Research, 2022, 19, 147916412210943.	0.9	0
1559	Effect Comparison of E-Cigarette and Traditional Smoking and Association with Strokeâ€"A Cross-Sectional Study of NHANES. Neurology International, 2022, 14, 441-452.	1.3	9
1560	Endothelial Dysfunction and Arterial Stiffness in Patients with Inflammatory Bowel Disease: A Systematic Review and Meta-Analysis. Journal of Clinical Medicine, 2022, 11, 3179.	1.0	7
1561	A Review of Vascular Traits and Assessment Techniques, and Their Heritability. Artery Research, 2022, 28, 61-78.	0.3	2
1562	Chronic snus use in healthy males alters endothelial function and increases arterial stiffness. PLoS ONE, 2022, 17, e0268746.	1.1	1
1563	Biomechanical phenotyping of minuscule soft tissues: An example in the rodent tricuspid valve. Extreme Mechanics Letters, 2022, 55, 101799.	2.0	2
1564	Effects of Different Long-Term Exercise Modalities on Tissue Stiffness. Sports Medicine - Open, 2022, 8, .	1.3	7
1565	The Analysis of Arterial Stiffness in Heart Failure Patients: The Prognostic Role of Pulse Wave Velocity, Augmentation Index and Stiffness Index. Journal of Clinical Medicine, 2022, 11, 3507.	1.0	8
1566	Obstructive Sleep Apnea and Cardiovascular Risk: The Role of Dyslipidemia, Inflammation, and Obesity. Frontiers in Pharmacology, 0, 13, .	1.6	3
1567	Relative Contribution of Blood Pressure in Childhood, Youngâ€•and Midâ€Adulthood to Large Artery Stiffness in Midâ€Adulthood. Journal of the American Heart Association, 2022, 11, .	1.6	3
1568	The Gut Microbiota and Vascular Aging: A State-of-the-Art and Systematic Review of the Literature. Journal of Clinical Medicine, 2022, 11, 3557.	1.0	13
1569	Association of Aortic Stiffness and Pressure Pulsatility With Global Amyloid-Î² and Regional Tau Burden Among Framingham Heart Study Participants Without Dementia. JAMA Neurology, 2022, 79, 710.	4.5	10
1570	Predictive ability of arterial stiffness parameters for renal function decline: a retrospective cohort study comparing cardio-ankle vascular index, pulse wave velocity and cardio-ankle vascular index0. Journal of Hypertension, 2022, 40, 1294-1302.	0.3	15

#	Article	IF	Citations
1571	Relationship Between Arterial Stiffness Index, Pulse Pressure, and Magnetic Resonance Imaging Markers of White Matter Integrity: A UK Biobank Study. Frontiers in Aging Neuroscience, 0, 14, .	1.7	6
1572	Extracellular matrix dynamics and contribution to vascular pathologies. , 2022, , 287-300.		0
1573	Clinical investigations of vascular function. , 2022, , 181-196.		0
1574	Predictors of Peripheral Artery Disease Progression. Is there Any Role for Vascular Age?. Medicina Interna (Bucharest, Romania: 1991), 2022, 19, 17-35.	0.1	0
1575	Đ¡omprehensive assessment of macro- and microcirculation parameters in patients with type 2 diabetes mellitus and subclinical stage of diabetic peripheral neuropathy during treatment with antihypoxic drug. Russian Neurological Journal, 2022, 27, 35-46.	0.1	0
1576	Photoplethysmogram based vascular aging assessment using the deep convolutional neural network. Scientific Reports, 2022, 12, .	1.6	5
1577	Effect of an 11-Week Resistance Training Program on Arterial Stiffness in Young Women. Journal of Strength and Conditioning Research, 2023, 37, 315-321.	1.0	1
1578	Transplantation of bone marrow cells from miR150 knockout mice improves senescence-associated humoral immune dysfunction and arterial stiffness. Metabolism: Clinical and Experimental, 2022, 134, 155249.	1.5	2
1579	Effects of Acute Aquatic High-Intensity Intermittent Exercise on Blood Pressure and Arterial Stiffness in Postmenopausal Women with Different ACE Genotypes. International Journal of Environmental Research and Public Health, 2022, 19, 8985.	1.2	1
1580	Complement factors D and C3 cross-sectionally associate with arterial stiffness, but not independently of metabolic risk factors: The Maastricht Study. Journal of Hypertension, 2022, 40, 2161-2170.	0.3	2
1581	Arterial stiffness and atrial fibrillation: shared mechanisms, clinical implications and therapeutic options. Journal of Hypertension, 2022, 40, 1639-1646.	0.3	3
1582	Aortic Biomechanics and Clinical Applications. Anesthesiology, 2022, 137, 351-363.	1.3	3
1583	Greater adherence to healthy dietary patterns is associated with lower diastolic blood pressure and augmentation index in healthy, young adults. Nutrition Research, 2022, 106, 60-71.	1.3	5
1584	Implementation of exercise countermeasures during spaceflight and microgravity analogue studies: Developing countermeasure protocols for bedrest in older adults (BROA). Frontiers in Physiology, 0, 13, .	1.3	12
1586	Differential Sex-Specific Effects of Angiotensin-Converting Enzyme Inhibition and Angiotensin Receptor Blocker Therapy on Arterial Function in Hypertension: CALIBREX Trial. Hypertension, 2022, 79, 2316-2327.	1.3	5
1587	Relationship of arterial tonometry and exercise in patients with chronic heart failure: a systematic review with meta-analysis and trial sequential analysis. BMC Cardiovascular Disorders, 2022, 22, .	0.7	1
1588	Evaluation of arterial stiffness and serum endocan levels in patients with primary aldosteronism with new-onset hypertension and long-term hypertension. Journal of Endocrinological Investigation, 0, , .	1.8	2
1589	Aging impairs arterial compliance via Klotho-mediated downregulation of B-cell population and IgG levels. Cellular and Molecular Life Sciences, 2022, 79, .	2.4	3

#	Article	IF	Citations
1590	Association of Blood Pressureâ€“Related Increase in Vascular Stiffness on Other Measures of Target Organ Damage in Youth. Hypertension, 2022, 79, 2042-2050.	1.3	16
1591	Chronic cigarette smoking is associated with increased arterial stiffness in men and women: evidence from a large population-based cohort. Clinical Research in Cardiology, 2023, 112, 270-284.	1.5	6
1592	Mediating role of body composition and insulin resistance on the association of arterial stiffness with blood pressure among adolescents: The ALSPAC study. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	16
1593	Comparison of Predictive Ability of Arterial Stiffness Parameters Including Cardio-Ankle Vascular Index, Pulse Wave Velocity and Cardio-Ankle Vascular Index0. Vascular Health and Risk Management, 0, Volume 18, 735-745.	1.0	4
1594	Envelhecimento Vascular e Rigidez Arterial. Arquivos Brasileiros De Cardiologia, 2022, 119, 604-615.	0.3	8
1595	Promoting healthy cardiovascular aging: emerging topics. , 2022, 2, 43.		7
1596	Various Obesity Indices and Arterial Function Evaluated with CAVI â€“ Is Waist Circumference Adequate to Define Metabolic Syndrome?. Vascular Health and Risk Management, 0, Volume 18, 721-733.	1.0	8
1597	Central hypertension is a nonâ€negligible cardiovascular risk factor. Journal of Clinical Hypertension, 2022, 24, 1174-1179.	1.0	4
1598	Diagnosing Arterial Stiffness in Pregnancy and Its Implications in the Cardio-Renal-Metabolic Chain. Diagnostics, 2022, 12, 2221.	1.3	3
1599	Aerobic Exercise Prevents Arterial Stiffness and Attenuates Hyperexcitation of Sympathetic Nerves in Perivascular Adipose Tissue of Mice after Transverse Aortic Constriction. International Journal of Molecular Sciences, 2022, 23, 11189.	1.8	2
1600	Connecting Aortic Stiffness to Vascular Contraction: Does Sex Matter?. International Journal of Molecular Sciences, 2022, 23, 11314.	1.8	1
1601	Factors That May Impact the Noninvasive Measurement of Central Blood Pressure Compared to Invasive Measurement: The MATCHY Study. Journal of Personalized Medicine, 2022, 12, 1482.	1.1	3
1602	The association between baseline circulating progenitor cells and vascular function: The role of aging and risk factors. Vascular Medicine, 2022, 27, 532-541.	0.8	1
1603	Role of adropin in arterial stiffening associated with obesity and type 2 diabetes. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 323, H879-H891.	1.5	7
1604	High-sensitivity cardiac troponin I is a biomarker for increased arterial stiffness in systemic lupus erythematous women with normal kidney function. Rheumatology International, 2023, 43, 253-263.	1.5	3
1605	Detrimental effects of physical inactivity on peripheral and brain vasculature in humans: Insights into mechanisms, long-term health consequences and protective strategies. Frontiers in Physiology, 0, 13, .	1.3	2
1606	Mitochondrial-targeted antioxidant supplementation for improving age-related vascular dysfunction in humans: A study protocol. Frontiers in Physiology, 0, 13, .	1.3	9
1608	Vascular stiffening and endothelial dysfunction in atherosclerosis. Current Opinion in Lipidology, 2022, 33, 353-363.	1.2	13

#	Article	IF	Citations
1609	Is vascular remodelling in patients with chronic heart failure exaggerated?. ESC Heart Failure, 2023, 10, 245-254.	1.4	2
1610	Variational Disentanglement for Rare Event Modeling. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 10469-10477.	3.6	2
1611	Association of the Estimated Pulse Wave Velocity with Cardio-Vascular Disease Outcomes among Men and Women Aged 40â€“69 Years in the Korean Population: An 18-Year Follow-Up Report on the Ansungâ€“Ansan Cohort in the Korean Genome Environment Study. Journal of Personalized Medicine, 2022, 12, 1611.	1.1	4
1612	Ambient Air Pollution and Pulse Wave Velocity in Patients With Hypertension Treated With Intensive Versus Standard Blood Pressure Control. Hypertension, 2022, 79, .	1.3	1
1613	Association of plasma bone morphogenetic proteinâ€4 levels with arterial stiffness in hypertensive patients. Journal of Clinical Laboratory Analysis, 0, , .	0.9	2
1614	Negative Impact of the UEFA European Soccer Championship on Central Hemodynamics and Arterial Stiffness: A Multicenter Study. Life, 2022, 12, 1696.	1.1	2
1615	Pre-Frailty Phenotype and Arterial Stiffness in Older Adults Free of Cardiovascular Diseases. International Journal of Environmental Research and Public Health, 2022, 19, 13469.	1.2	1
1616	Residential indoor exposure to fine and ultrafine particulate air pollution in association with blood pressure and subclinical central haemodynamic markers of cardiovascular risk among healthy adults living in Perth, Western Australia. Air Quality, Atmosphere and Health, 2023, 16, 221-232.	1.5	3
1618	A Bench to Bedside Perspective on Anthracycline Chemotherapy-mediated Cardiovascular Dysfunction: Challenges and OpportunitiesA Symposium Review. Journal of Applied Physiology, 0, , .	1.2	0
1620	Cardio-Ankle Vascular Index as an Arterial Stiffness Marker Improves the Prediction of Cardiovascular Events in Patients without Cardiovascular Diseases. Journal of Cardiovascular Development and Disease, 2022, 9, 368.	0.8	3
1621	Relations of postural change in blood pressure with hypertension-mediated organ damage in middle-aged adults of the Framingham heart study: A cross-sectional study. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	0
1622	Predictive significance of a complex approach in determining the vascular wall stiffness parameters in patients with arterial hypertension and in patients with arterial hypertension after ischemic stroke. , 2022, 66, 525-532.	0.0	0
1623	Childhood Maltreatment and Arterial Stiffness Among Midlife Women. Journal of the American Heart Association, 2022, 11, .	1.6	1
1624	Association of the visceral adiposity index with arterial stiffness in elderly Chinese population. American Journal of the Medical Sciences, 2023, 365, 279-285.	0.4	1
1625	The Vascular System. Anesthesiology Clinics, 2022, 40, 557-574.	0.6	1
1626	Anthracycline chemotherapy, vascular dysfunctionÂand cognitive impairment: burgeoning topics and future directions. Future Cardiology, 0, , .	0.5	1
1627	Shift Work and Early Arterial Stiffness: A Systematic Review. International Journal of Environmental Research and Public Health, 2022, 19, 14569.	1.2	5
1628	Aortic stiffness increases during prolonged sitting independent of intermittent standing or prior exercise. European Journal of Applied Physiology, 0, , .	1.2	2

#	Article	IF	Citations
1629	Implication of MR Activity in Posttreatment Arterial Stiffness Reversal in Patients With Primary Aldosteronism. Journal of Clinical Endocrinology and Metabolism, 2023, 108, 624-632.	1.8	5
1630	Subjects Conceived through Assisted Reproductive Technologies Display Normal Arterial Stiffness. Diagnostics, 2022, 12, 2763.	1.3	4
1631	Axial Wall Displacement At the Common Carotid Artery is Associated with the Lamb Waves. Journal of Engineering and Science in Medical Diagnostics and Therapy, 2022, , 1-40.	0.3	1
1633	Effect of Aerobic Exercise on Arterial Stiffness in Individuals with Different Smoking Statuses. International Journal of Sports Medicine, 0, , .	0.8	1
1634	Brachial-ankle pulse wave velocity as a predictor of long-term cardiovascular events in 2174 subjects with type 2 diabetes mellitus: A retrospective cohort study. Medicine (United States), 2022, 101, e31758.	0.4	2
1637	Long-term cardiovascular health status and physical functioning of nonhospitalized patients with COVID-19 compared with non-COVID-19 controls. American Journal of Physiology - Heart and Circulatory Physiology, 2023, 324, H47-H56.	1.5	8
1638	The impact of Î²â€blockers on the central and delta systolic pressures in a realâ€world population with treated hypertension: A crossâ€sectional study. Health Science Reports, 2022, 5, .	0.6	1
1640	Atherosclerosis and endothelial mechanotransduction: current knowledge and models for future research. American Journal of Physiology - Cell Physiology, 2023, 324, C488-C504.	2.1	8
1641	Cardio-Vascular Interaction Evaluated by Speckle-Tracking Echocardiography and Cardio-Ankle Vascular Index in Hypertensive Patients. International Journal of Molecular Sciences, 2022, 23, 14469.	1.8	4
1642	Vascular phenotypes in early hypertension. Journal of Human Hypertension, 2023, 37, 898-906.	1.0	2
1643	Bromocriptine Improves Central Aortic Stiffness in Adolescents With Type 1 Diabetes: Arterial Health Results From the BCQR-T1D Study. Hypertension, 2023, 80, 482-491.	1.3	2
1644	Orthostatic blood pressure adaptations, aortic stiffness, and central hemodynamics in the general population: insights from the MalmÃ¶ Offspring Study (MOS). Clinical Autonomic Research, 2023, 33, 29-40.	1.4	7
1645	Aortic Distensibility Measured by Automated Analysis of Magnetic Resonance Imaging Predicts Adverse Cardiovascular Events in UK Biobank. Journal of the American Heart Association, 2022, 11, .	1.6	5
1646	The Effect of Age on Non-Invasive Hemodynamics in Chronic Heart Failure Patients on Left-Ventricular Assist Device Support: A Pilot Study. Journal of Clinical Medicine, 2023, 12, 29.	1.0	0
1647	Association between Cardio-Ankle Vascular Index and Masked Uncontrolled Hypertension in Hypertensive Patients: A Cross-Sectional Study. Journal of Healthcare Engineering, 2022, 2022, 1-8.	1.1	2
1648	A Body Shape Index (ABSI) as a Variant of Conicity Index Not Affected by the Obesity Paradox: A Cross-Sectional Study Using Arterial Stiffness Parameter. Journal of Personalized Medicine, 2022, 12, 2014.	1.1	6
1649	Prolonged smoldering Douglas fir smoke inhalation augments respiratory resistances, stiffens the aorta, and curbs ejection fraction in hypercholesterolemic mice. Science of the Total Environment, 2023, 861, 160609.	3.9	1
1650	Acute Effects of the Interval and Duration of Intermittent Exercise on Arterial Stiffness in Young Men. International Journal of Environmental Research and Public Health, 2022, 19, 16847.	1.2	2

#	Article	IF	Citations
1651	Crossâ€Sectional Relationships of Proximal Aortic Stiffness and Left Ventricular Diastolic Function in Adults in the Community. Journal of the American Heart Association, 2022, 11, .	1.6	2
1652	The Growing Burden of Cardiovascular Disease: Role of the Arterial-Cardiac Interaction. Annals of the Academy of Medicine, Singapore, 2010, 39, 667-669.	0.2	0
1653	The effects of experimental, meteorological, and physiological factors on short-term repeated pulse wave velocity measurements, and measurement difficulties: A randomized crossover study with two devices. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	4
1654	Hemodynamic changes in pregnancy: does central blood pressure have any role?. Women and Health, 0, , 1-6.	0.4	0
1655	Endothelial senescence in vascular diseases: current understanding and future opportunities in senotherapeutics. Experimental and Molecular Medicine, 2023, 55, 1-12.	3.2	26
1656	Non-Invasive Pressure-Only Aortic Wave Intensity Evaluation Using Hybrid Fourier Decomposition-Machine Learning Approach. IEEE Transactions on Biomedical Engineering, 2023, , 1-10.	2.5	2
1657	Relation of Aortic Waveforms with Gut Hormones following Continuous and Interval Exercise among Older Adults with Prediabetes. Metabolites, 2023, 13, 137.	1.3	0
1658	The effect of acute aerobic exercise on arterial stiffness in individuals with different body fat percentages: A cross-sectional study. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	2
1659	Alterations in Vessel Hemodynamics Across Uncomplicated Pregnancy. American Journal of Hypertension, 2023, 36, 183-191.	1.0	1
1660	Arterial stiffness (from monitoring of Qkd interval) predict the occurrence of cardiovascular events and total mortality. Journal of Human Hypertension, 2023, 37, 907-912.	1.0	0
1661	Three-minute bench step exercise as a countermeasure for acute mental stress-induced arterial stiffening. PLoS ONE, 2022, 17, e0279761.	1.1	1
1662	What Is the Smallest Change in Pulse Wave Velocity Measurements That Can Be Attributed to Clinical Changes in Arterial Stiffness with Certainty: A Randomized Cross-Over Study. Journal of Cardiovascular Development and Disease, 2023, 10, 44.	0.8	3
1663	Coconut sugar derived from coconut inflorescence sap lowers systolic blood pressure and arterial stiffness in middle-aged and older adults: a pilot study. Journal of Applied Physiology, 2023, 134, 508-514.	1.2	1
1664	Nutraceuticals in the Prevention and Therapeutic Treatment of Cardiovascular and Cerebrovascular Disease. Journal of Cardiopulmonary Rehabilitation and Prevention, 2023, 43, 162-169.	1.2	1
1665	Association between estimated pulse wave velocity and silent lacunar infarct in a Korean population. Frontiers in Cardiovascular Medicine, 0, 10, .	1.1	1
1666	Estimated pulse wave velocity as a measure of vascular aging. PLoS ONE, 2023, 18, e0280896.	1.1	14
1667	Heart Disease and Stroke Statisticsâ€”2023 Update: A Report From the American Heart Association. Circulation, 2023, 147, .	1.6	2,130
1668	Postexercise Arterial Compliance and Hemodynamic Responses to Various Durations and Intensities of Aerobic Exercise. Journal of Strength and Conditioning Research, 2023, 37, 589-596.	1.0	0

#	Article	IF	Citations
1669	Comparison of the novel START vascular stiffness index with the CAVI index, assessment of their values and correlations with clinical parameters. Russian Journal of Cardiology, 2023, 28, 5272.	0.4	1
1670	A new integrative approach to assess aortic stenosis burden and predict objective functional improvement after TAVR. Frontiers in Cardiovascular Medicine, 0, 10, .	1.1	1
1671	Endothelial function and arterial stiffness indexes in subjects with carotid plaque and carotid plaque length: A subgroup analysis showing the relationship with hypertension and diabetes. Journal of Stroke and Cerebrovascular Diseases, 2023, 32, 106986.	0.7	0
1672	Different Doses of Sacubitril/Valsartan Compared with Olmesartan in Patients with Essential Hypertension: A Systematic Review and Meta-Analysis. High Blood Pressure and Cardiovascular Prevention, 2023, 30, 207-218.	1.0	2
1673	Prognostic significance of the triglyceride-glucose index for patients with ischemic heart failure after percutaneous coronary intervention. Frontiers in Endocrinology, 0, 14, .	1.5	4
1674	Individual and combined contributions of non-high-density lipoprotein cholesterol and brachial-ankle pulse wave velocity to cardiovascular disease risk: Results of a prospective study using the Kailuan cohort. Frontiers in Cardiovascular Medicine, 0, 10, .	1.1	0
1675	Greater aortic perivascular adipose tissue density is associated with aging, aortic stiffness, and central blood pressure in humans. Journal of Applied Physiology, 2023, 134, 703-709.	1.2	1
1676	Genetic Markers of Endothelial Dysfunction. , 0, , .		0
1677	Pulse Wave Velocity and Blood Pressure Variability as Prognostic Indicators in Very Elderly Patients. Journal of Clinical Medicine, 2023, 12, 1510.	1.0	3
1678	AssociationÂbetweenÂpulse wave velocityÂand theÂ10â€year risk of atherosclerotic cardiovascular disease in the Chinese population: AÂcommunityâ€based study. Journal of Clinical Hypertension, 2023, 25, 278-285.	1.0	3
1679	The effect of successful lower extremity revascularization on aortic stiffness in patients with peripheral arterial disease. Vascular, 0, , 170853812311532.	0.4	0
1680	The effect of SGLT2 inhibitors, GLP1 agonists, and their sequential combination on cardiometabolic parameters: A randomized, prospective, intervention study. Journal of Diabetes and Its Complications, 2023, 37, 108436.	1.2	9
1681	Social isolation and subclinical vascular pathways to cerebrovascular disease. Biodemography and Social Biology, 2023, 68, 14-31.	0.4	1
1682	The effect of exercise training level on arterial stiffness after clinically significant weight loss. Clinical Obesity, 0, , .	1.1	2
1683	The Ratio of Estimated Glomerular Filtration Rate Based on Cystatin C and Creatinine Reflecting Cardiovascular Risk in Diabetic Patients. Diabetes and Metabolism Journal, 2023, 47, 415-425.	1.8	3
1684	Overview and New Insights into the Metabolic Syndrome: Risk Factors and Emerging Variables in the Development of Type 2 Diabetes and Cerebrocardiovascular Disease. Medicina (Lithuania), 2023, 59, 561.	0.8	8
1685	Assessment of Vascular Function in Response to High-Fat and Low-Fat Ground Beef Consumption in Men. Nutrients, 2023, 15, 1410.	1.7	0
1686	Association between weight-adjusted waist index and arterial stiffness in hypertensive patients: The China H-type hypertension registry study. Frontiers in Endocrinology, 0, 14, .	1.5	2

#	Article	IF	Citations
1687	Dissociation of pulse wave velocity and aortic wall stiffness in diabetic db/db mice: The influence of blood pressure. Frontiers in Physiology, 0, 14, .	1.3	3
1688	Comparative effectiveness of different types of exercise in reducing arterial stiffness in children and adolescents: a systematic review and network meta-analysis. British Journal of Sports Medicine, 2023, 57, 997-1002.	3.1	3
1689	Brain dysconnectivity with heart failure. Brain Communications, 2023, 5, .	1.5	0
1690	Arterial pulse wave modeling and analysis for vascular-age studies: a review from VascAgeNet. American Journal of Physiology - Heart and Circulatory Physiology, 2023, 325, H1-H29.	1.5	8
1691	Association of racial residential segregation with all-cause and cancer-specific mortality in the reasons for geographic and racial differences in stroke (REGARDS) cohort study. SSM - Population Health, 2023, 22, 101374.	1.3	0
1692	Longitudinal trajectory of vascular age indices and cardiovascular risk factors: a repeated-measures analysis. Scientific Reports, 2023, 13, .	1.6	4
1693	Associations of habitual physical activity and carotid-femoral pulse wave velocity; a systematic review and meta-analysis of observational studies. PLoS ONE, 2023, 18, e0284164.	1.1	0
1694	Pollution from fine particulate matter and atherosclerosis: A narrative review. Environment International, 2023, 175, 107923.	4.8	4
1695	Comparative analysis of START and CAVI arterial stiffness scores in hypertensive patients. Cardiovascular Therapy and Prevention (Russian Federation), 2023, 22, 3473.	0.4	0
1696	The association between arterial compliance, as assessed by PTC1 and PTC2 from radial artery waveforms, and age, sex, and race/ethnicity. Journal of Hypertension, 0, Publish Ahead of Print, .	0.3	0
1697	Biomarkers of aging. Science China Life Sciences, 2023, 66, 893-1066.	2.3	60
1698	Autonomic dysfunction is associated with the development of arterial stiffness: the Whitehall II cohort. GeroScience, 0, , .	2.1	0
1699	Estimated pulse wave velocity is associated with all-cause and cardio-cerebrovascular disease mortality in stroke population: Results from NHANES (2003â€“2014). Frontiers in Cardiovascular Medicine, 0, 10, .	1.1	2
1700	High Fidelity Pressure Wires Provide Accurate Validation of Non-Invasive Central Blood Pressure and Pulse Wave Velocity Measurements. Biomedicines, 2023, 11, 1235.	1.4	0
1701	A Highâ€Resolution, Transparent, and Stretchable Polymer Conductor for Wearable Sensor Arrays. Advanced Materials Technologies, 2023, 8, .	3.0	5
1702	Aging, aerobic exercise, and cardiovascular health: Barriers, alternative strategies and future directions. Experimental Gerontology, 2023, 173, 112105.	1.2	8
1744	Associations of Urban Built Environment with Cardiovascular Risks and Mortality: a Systematic Review. Journal of Urban Health, 2023, 100, 745-787.	1.8	2
1763	The impact of cardiovascular diagnostics and treatments on fall risk in older adults: a scoping review and evidence map. GeroScience, 0, , .	2.1	0

#	Article	IF	Citations
1770	PediatricÂPreventive Cardiology. , 2023, , 1-43.		0
1774	Einfluss von kombiniertem Ausdauer- und Krafttraining auf die KÃ¶rperzusammensetzung und Gesundheit. , 2023, , 327-342.		0
1799	Predicting Vascular Age using PPG Signals and Machine Learning Algorithms: A Non-Invasive Approach for Early Cardiovascular Risk Detection. , 2023, , .		0
1800	Aortic Pressure Waveform Estimation Based on Variational Mode Decomposition and Gated Recurrent Unit. IFMBE Proceedings, 2024, , 29-38.	0.2	0
1801	Early Vascular Aging in Young Adults Is Instrumental as the Screening Tool to Combat CVD Epidemics in the Population. Advances in Predictive, Preventive and Personalised Medicine, 2024, , 139-170.	0.6	0
1814	Early Vascular Aging in the Young. , 2024, , 99-121.		0
1815	a. Part I: Treatment of Abnormalities in Lipid Metabolism and EVA. , 2024, , 441-445.		0
1816	Vascular Aging and Cardiovascular Disease. , 2024, , 19-32.		0
1817	Traditional Versus New Models of Risk Prediction. , 2024, , 293-304.		0
1818	Imaging Biomarkers: Carotid Intima-Media Thickness and Aortic Stiffness as Predictors of Cardiovascular Disease. , 2024, , 323-342.		0
1819	Changes in Central Hemodynamics, Wave Reflection, and Heartâ€“Vessel Coupling with Normal and Accelerated Aging. , 2024, , 219-235.		0
1821	Population-Based Studies: Milestones on the Epidemiological Timeline. , 2024, , 41-52.		0
1822	The 9 Paradigm Shifts in Cardiovascular Aging Research. , 2024, , 7-17.		0