# Mechanisms, Pathophysiology, and Therapy of Arterial

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Citation Report

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Mean aortic pressure is the geometric mean of systolic and diastolic aortic pressure in resting humans. Journal of Applied Physiology, 2005, 99, 2278-2284. | 1.2 | 30 |
| 2 | Ventricular Arterial Stiffening. Hypertension, 2005, 46, 185-193. | 1.3 | 324 |
| 3 | Reduced Wall Compliance Suppresses Akt-Dependent Apoptosis Protection Stimulated by Pulse Perfusion. Circulation Research, 2005, 97, 587-595. | 2.0 | 31 |
| 4 | Elevated serum levels of alanine aminotransferase and gamma glutamyltransferase are markers of inflammation and oxidative stress independent of the metabolic syndrome. Atherosclerosis, 2006, 189, 198-205. | 0.4 | 200 |
| 5 | The Effects of Changes in the Metabolic Syndrome Detection Status on Arterial Stiffening: A Prospective Study. Hypertension Research, 2006, 29, 673-678. | 1.5 | 46 |
| 6 | Rheumatoid Arthritis Is Associated With Increased Aortic Pulse-Wave Velocity, Which Is Reduced by Antiâ€“Tumor Necrosis Factor-Î± Therapy. Circulation, 2006, 114, 1185-1192. | 1.6 | 376 |
| 7 | Expert consensus document on arterial stiffness: methodological issues and clinical applications. European Heart Journal, 2006, 27, 2588-2605. | 1.0 | 5,012 |
| 8 | Lactadherin binds to elastin â€“ a starting point for medin amyloid formation?. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2006, 13, 78-85. | 1.4 | 47 |
| 9 | Impact of Oxidative Stress on Arterial Elasticity in Patients with Atherosclerosis. American Journal of Hypertension, 2006, 19, 902-908. | 1.0 | 47 |
| 10 | Aortic Augmentation Index Is Inversely Associated With Cardiorespiratory Fitness in Men Without Known Coronary Heart Disease. American Journal of Hypertension, 2006, 19, 1019-1024. | 1.0 | 46 |
| 11 | Increased Arterial Stiffness in Behcet's Disease Patients. Korean Circulation Journal, 2006, 36, 676. | 0.7 | 4 |
| 12 | RELATIONSHIP BETWEEN ARTERIAL STIFFNESS AND GLUCOSE METABOLISM IN WOMEN WITH METABOLIC SYNDROME. Clinical and Experimental Pharmacology and Physiology, 2006, 33, 883-886. | 0.9 | 8 |
| 13 | The Role of Pulse Pressure in the Hemodynamic Control of Hypertension: Exploring the Link to Cardiovascular Remodeling. Cardiovascular Engineering (Dordrecht, Netherlands), 2006, 6, 71-82. | 1.0 | 0 |
| 14 | From Vulnerable Plaque to Vulnerable Patientâ€”Part III: Executive Summary of the Screening for Heart Attack Prevention and Education (SHAPE) Task Force Report. American Journal of Cardiology, 2006, 98, 2-15. | 0.7 | 594 |
| 15 | Ventricular Pump Function in Heart Failure with Normal Ejection Fraction: Insights from Pressure-Volume Measurements. Progress in Cardiovascular Diseases, 2006, 49, 182-195. | 1.6 | 28 |
| 16 | The lord of the ring: Mandatory role of the kidney in drug therapy of hypertension. , 2006, 111, 53-80. | | 7 |
| 17 | Arterial Stiffness and Extracellular Matrix. , 2006, 44, 76-95. | | 71 |
| 18 | Arterial Stiffness and Coronary Ischemic Disease. , 2006, 44, 125-138. | | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The effect of a rapid weight loss induced by laparoscopic adjustable gastric banding on arterial stiffness, metabolic and inflammatory parameters in patients with morbid obesity. International Journal of Obesity, 2006, 30, 1632-1638. | 1.6 | 37 |
| 20 | Arterial stiffness: reflections on the arterial pulse. European Heart Journal, 2006, 27, 2497-2498. | 1.0 | 32 |
| 21 | Comparative effects of pitavastatin and probucol on oxidative stress, Cu/Zn superoxide dismutase, PPAR-Î³, and aortic stiffness in hypercholesterolemia. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H2522-H2532. | 1.5 | 69 |
| 22 | Clinical appraisal of arterial stiffness: the Argonauts in front of the Golden Fleece. Heart, 2006, 92, 1544-1550. | 1.2 | 68 |
| 23 | Central and peripheral arterial stiffness in patients after surgical repair of tetralogy of Fallot: implications for aortic root dilatation. Heart, 2006, 92, 1827-1830. | 1.2 | 54 |
| 24 | Exfoliation and carotid stiffness. British Journal of Ophthalmology, 2006, 90, 529-530. | 2.1 | 22 |
| 25 | From 24-Hour Blood Pressure Measurements to Arterial Stiffness. Hypertension, 2006, 47, 327-328. | 1.3 | 29 |
| 26 | Genetic Determinants of Systolic and Pulse Pressure in an Intercross Between Normotensive Inbred Rats. Hypertension, 2006, 48, 921-926. | 1.3 | 11 |
| 27 | Aortic Pulse Wave Velocity Is Associated With the Presence and Quantity of Coronary Artery Calcium. Hypertension, 2006, 47, 174-179. | 1.3 | 83 |
| 28 | Animal Models of Arterial Stiffness. , 2006, 44, 96-116. | | 2 |
| 29 | Cellular mechanisms and signalling pathways activated by high glucose and AGE-albumin in the aortic endothelium. Archives of Physiology and Biochemistry, 2006, 112, 265-273. | 1.0 | 15 |
| 30 | Diabetes and Advanced Glycoxidation End Products. Diabetes Care, 2006, 29, 1420-1432. | 4.3 | 250 |
| 31 | Decline in large elastic artery compliance with age: a therapeutic target for habitual exercise. British Journal of Sports Medicine, 2006, 40, 897-899. | 3.1 | 19 |
| 32 | Low-grade inflammation and hypoadiponectinaemia have an additive detrimental effect on aortic stiffness in essential hypertensive patients. European Heart Journal, 2007, 28, 1162-1169. | 1.0 | 92 |
| 33 | Aortic Distensibility and Retinal Arteriolar Narrowing. Hypertension, 2007, 50, 617-622. | 1.3 | 115 |
| 34 | Pulse Pressure Is an Age-Independent Predictor of Stroke Development After Cardiac Surgery. Hypertension, 2007, 50, 630-635. | 1.3 | 49 |
| 35 | Relationships among Renal Function Loss within the Normal to Mildly Impaired Range, Arterial Stiffness, Inflammation, and Oxidative Stress. Clinical Journal of the American Society of Nephrology: CJASN, 2007, 2, 1118-1124. | 2.2 | 29 |
| 36 | Differences in arterial compliance, microvascular function and venous capacitance between patients with heart failure and either preserved or reduced left ventricular systolic function. European Journal of Heart Failure, 2007, 9, 865-871. | 2.9 | 67 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Recent Advances in Arterial Stiffness and Wave Reflection in Human Hypertension. Hypertension, 2007, 49, 1202-1206. | 1.3 | 242 |
| 38 | Pulse wave velocity a useful tool for cardiovascular surveillance in pre-dialysis patients. Nephrology Dialysis Transplantation, 2007, 22, 3527-3532. | 0.4 | 24 |
| 39 | Relationship between Arterial Stiffness and the Risk of Coronary Artery Disease in Subjects with and without Metabolic Syndrome. Hypertension Research, 2007, 30, 243-247. | 1.5 | 28 |
| 40 | Arterial Stiffness Is Independently Associated with Emphysema Severity in Patients with Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2007, 176, 1208-1214. | 2.5 | 252 |
| 41 | Heart Rate Elevation Precedes the Development of Metabolic Syndrome in Japanese Men: A Prospective Study. Hypertension Research, 2007, 30, 417-426. | 1.5 | 36 |
| 42 | Independent Determinants of Second Derivative of the Finger Photoplethysmogram among Various Cardiovascular Risk Factors in Middle-Aged Men. Hypertension Research, 2007, 30, 1211-1218. | 1.5 | 28 |
| 43 | Causes and Consequences of Increased Arterial Stiffness in Chronic Kidney Disease Patients. Kidney and Blood Pressure Research, 2007, 30, 97-107. | 0.9 | 77 |
| 44 | Genetic markers of vascular aging. Biomarkers in Medicine, 2007, 1, 453-465. | 0.6 | 0 |
| 45 | Acute and Chronic Ventricular-Arterial Coupling in Systole and Diastole. Hypertension, 2007, 50, 503-511. | 1.3 | 66 |
| 46 | Regression of warfarin-induced medial elastocalcinosis by high intake of vitamin K in rats. Blood, 2007, 109, 2823-2831. | 0.6 | 237 |
| 47 | Arterial stiffness and progression to hypertension in Japanese male subjects with high normal blood pressure. Journal of Hypertension, 2007, 25, 87-93. | 0.3 | 72 |
| 48 | The influence of serum aldosterone and the aldosteroneâ€“renin ratio on pulse wave velocity in hypertensive patients. Journal of Hypertension, 2007, 25, 1279-1283. | 0.3 | 41 |
| 49 | White matter grade and ventricular volume on brain MRI as markers of longevity in the cardiovascular health study. Neurobiology of Aging, 2007, 28, 1307-1315. | 1.5 | 81 |
| 50 | Arterial Stiffness as a Cause of Resistant Hypertension?. Journal of Clinical Hypertension, 2007, 9, 390-395. | 1.0 | 33 |
| 51 | High aerobic capacity does not attenuate aortic stiffness in hypertensive subjects. American Heart Journal, 2007, 154, 976-982. | 1.2 | 18 |
| 52 | Coronary hemodynamics and atherosclerotic wall stiffness: A vicious cycle. Medical Hypotheses, 2007, 69, 349-355. | 0.8 | 36 |
| 53 | Severe Left Ventricular Hypertrophy 1 Year After Transplant Predicts Mortality in Cardiac Transplant Recipients. Journal of Heart and Lung Transplantation, 2007, 26, 145-151. | 0.3 | 42 |
| 54 | Improved right ventricularâ€“vascular coupling during active pulmonary hypertension. International Journal of Cardiology, 2007, 115, 171-182. | 0.8 | 33 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Reducing arterial stiffness and wave reflection â€“ Quest for the Holy Grail?. Artery Research, 2007, 1, 13. | 0.3 | 18 |
| 56 | Molecular determinants of arterial stiffness. Artery Research, 2007, 1, 26. | 0.3 | 3 |
| 57 | Measures of arterial stiffness and wave reflection are associated with walking distance in patients with peripheral arterial disease. Atherosclerosis, 2007, 191, 384-390. | 0.4 | 49 |
| 58 | An isoflavone metabolite reduces arterial stiffness and blood pressure in overweight men and postmenopausal women. Atherosclerosis, 2007, 192, 184-189. | 0.4 | 63 |
| 59 | Isolated Systolic Hypertension in the Elderly. New England Journal of Medicine, 2007, 357, 789-796. | 13.9 | 146 |
| 60 | Relation of Proximal Aorta Stiffness to Left Ventricular Diastolic Function in Patients with End-Stage Renal Disease. Journal of the American Society of Echocardiography, 2007, 20, 314-323. | 1.2 | 19 |
| 61 | Microgravity-induced changes in aortic stiffness and their role in orthostatic intolerance. Journal of Applied Physiology, 2007, 102, 853-858. | 1.2 | 49 |
| 62 | Asymmetrical oscillation of a bubble confined inside a micro pseudoelastic blood vessel and the corresponding vessel wall stresses. International Journal of Solids and Structures, 2007, 44, 7197-7212. | 1.3 | 22 |
| 63 | Effect of longâ€term treatment with rosiglitazone on arterial elasticity and metabolic parameters in patients with TypeÂ2 diabetes mellitus: a 2â€year followâ€up study. Diabetic Medicine, 2007, 24, 1254-1260. | 1.2 | 8 |
| 64 | Relation of Haptoglobin Phenotype to Early Vascular Changes in Patients With Diabetes Mellitus. American Journal of Cardiology, 2007, 100, 1767-1770. | 0.7 | 17 |
| 65 | Arterial stiffness: Is it ready for prime time?. Current Cardiology Reports, 2007, 9, 462-469. | 1.3 | 9 |
| 66 | Arterial compliance and endothelial function. Current Diabetes Reports, 2007, 7, 269-275. | 1.7 | 30 |
| 67 | Arterial stiffness in diabetes and the metabolic syndrome: a pathway to cardiovascular disease. Diabetologia, 2008, 51, 527-539. | 2.9 | 465 |
| 68 | Changes of elastic properties of central arteries during acute static exercise and lower body negative pressure. European Journal of Applied Physiology, 2008, 102, 633-641. | 1.2 | 39 |
| 69 | Â¿QuÃ© papel desempeÃ±a la diabetes mellitus en las tasas de reestenosis y permeabilidad tras la revascularizaciÃ³n infrainginal? RevisiÃ³n crÃtica. Annals of Vascular Surgery, 2008, 22, 525-536. | 0.0 | 0 |
| 70 | Carotid artery compliance in users of plant stanol ester margarine. European Journal of Clinical Nutrition, 2008, 62, 218-224. | 1.3 | 21 |
| 71 | Optimal treatment of hypertension in the elderly: A Korean perspective. Geriatrics and Gerontology International, 2008, 8, 5-11. | 0.7 | 9 |
| 72 | METFORMIN, ARTERIAL FUNCTION, INTIMAâ€“MEDIA THICKNESS AND NITROXIDATION IN METABOLIC SYNDROME: THE MEFISTO STUDY. Clinical and Experimental Pharmacology and Physiology, 2008, 35, 895-903. | 0.9 | 76 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Effects of azelnidipine on the autonomic functions and its influence on arterial stiffness and endothelial functions. Journal of Cardiology, 2008, 51, 114-120. | 0.8 | 8 |
| 74 | Brachial-ankle pulse wave velocity as a marker of subclinical organ damage in middle-aged patients with hypertension. Journal of Cardiology, 2008, 51, 163-170. | 0.8 | 19 |
| 75 | How stiffening of the aorta and elastic arteries leads to compromised coronary flow. Heart, 2008, 94, 690-691. | 1.2 | 41 |
| 76 | Structural and Functional Remodeling of the Left Atrium. Journal of the American College of Cardiology, 2008, 51, 1-11. | 1.2 | 984 |
| 77 | Vascular Effects of Diets, Especially Plant Sterol Ester ConsumptionâŽâŽEditorials published in the Journal of the American College of Cardiology reflect the views of the authors and do not necessarily represent the views of JACC or the American College of Cardiology.. Journal of the American College of Cardiology, 2008, 51, 1562-1563. | 1.2 | 10 |
| 78 | Does Diabetes Mellitus Play a Role in Restenosis and Patency Rates Following Lower Extremity Peripheral Arterial Revascularization? A Critical Overview. Annals of Vascular Surgery, 2008, 22, 481-491. | 0.4 | 61 |
| 79 | Elevated heart rate and atherosclerosis: An overview of the pathogenetic mechanisms. International Journal of Cardiology, 2008, 126, 302-312. | 0.8 | 208 |
| 80 | Exercise Blood Pressure Response, Albuminuria, and Arterial Stiffness in Hypertension. American Journal of Medicine, 2008, 121, 894-902. | 0.6 | 41 |
| 81 | History of Gestational Hypertension Is Associated With the Metabolic Syndrome and Masked Hypertension But Not Arterial Stiffness in Women With Essential Hypertension. Journal of Clinical Hypertension, 2008, 10, 21-26. | 1.0 | 4 |
| 82 | The Role of Advanced Glycation End Products in Progression and Complications of Diabetes. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 1143-1152. | 1.8 | 839 |
| 83 | Effect of long-term treatment with risedronate on arterial compliance in osteoporotic patients with cardiovascular risk factors. Bone, 2008, 43, 279-283. | 1.4 | 22 |
| 84 | Toll-like receptor 4 gene (Asp299Gly) polymorphism associates with carotid artery elasticity. Atherosclerosis, 2008, 198, 152-159. | 0.4 | 27 |
| 85 | Effect of homocysteine-lowering therapy on arterial elasticity and metabolic parameters in metformin-treated diabetic patients. Atherosclerosis, 2008, 199, 362-367. | 0.4 | 19 |
| 86 | Beyond blood pressure: Arterial stiffness as a new biomarker of cardiovascular disease. Journal of the American Society of Hypertension, 2008, 2, 140-151. | 2.3 | 50 |
| 87 | CaracterÃsticas clÃnicas, bases celulares y moleculares de la hipertensiÃ³n arterial del anciano. Medicina ClÃnica, 2008, 131, 387-395. | 0.3 | 3 |
| 88 | â€œStiff Central Arteriesâ€•Syndrome: Does A Weak Heart Really Stiff the Kidney?. Heart Failure Clinics, 2008, 4, ix-xii. | 1.0 | 4 |
| 89 | Ventricularâ€“Vascular Interaction in Heart Failure. Heart Failure Clinics, 2008, 4, 23-36. | 1.0 | 272 |
| 90 | Heart Failure with Preserved Ejection Fraction: Hypertension, Diabetes, Obesity/Sleep Apnea, and Hypertrophic and Infiltrative Cardiomyopathy. Heart Failure Clinics, 2008, 4, 87-97. | 1.0 | 46 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Le diabÃ¨te joue-t-il un rÃ1e dans les restÃ©noses et les taux de permÃ©abilitÃ© aprÃ¨s revascularisation artÃ©rielle des membres inferieurs ? une Ã©tude gÃ©nÃ©rale critique. Annales De Chirurgie Vasculaire, 2008, 22, 521-532. | 0.0 | 0 |
| 92 | Ambulatory Blood Pressure Variability Is Increased in Diabetic Hypertensives. Clinical and Experimental Hypertension, 2008, 30, 213-224. | 0.5 | 40 |
| 93 | Arterial stiffness indices in healthy volunteers using nonâ€invasive digital photoplethysmography. Blood Pressure, 2008, 17, 116-123. | 0.7 | 46 |
| 94 | Prevalence of Microalbuminuria and Its Association with Pulse Pressure in a Multi-Ethnic Population in Amsterdam, The Netherlands. Kidney and Blood Pressure Research, 2008, 31, 38-46. | 0.9 | 3 |
| 95 | Cerebral Microbleeds Are Independently Associated with Arterial Stiffness in Stroke Patients. Cerebrovascular Diseases, 2008, 26, 618-623. | 0.8 | 51 |
| 96 | Arterial smooth muscle cells dysfunction in hyperglycaemia and hyperglycaemia associated with hyperlipidaemia: from causes to effects. Archives of Physiology and Biochemistry, 2008, 114, 150-160. | 1.0 | 5 |
| 97 | Rosuvastatin increases vascular endothelial PPARÎ³ expression and corrects blood pressure variability in obese dyslipidaemic mice. European Heart Journal, 2008, 29, 128-137. | 1.0 | 45 |
| 98 | Forearm Vascular Reactivity and Arterial Stiffness in Asymptomatic Adults From the Community. Hypertension, 2008, 51, 1512-1518. | 1.3 | 35 |
| 99 | Arterial Calcification in Race Horses. Veterinary Pathology, 2008, 45, 617-625. | 0.8 | 17 |
| 100 | Proinflammation and Hypertension: A Population-Based Study. Mediators of Inflammation, 2008, 2008, 1-7. | 1.4 | 20 |
| 101 | Vascular compliance is reduced in vascular dementia and not in Alzheimer's disease. Age and Ageing, 2008, 37, 653-659. | 0.7 | 30 |
| 102 | Possible link between large artery stiffness and coronary flow velocity reserve. Heart, 2008, 94, e20-e20. | 1.2 | 67 |
| 103 | Sprint interval and traditional endurance training induce similar improvements in peripheral arterial stiffness and flow-mediated dilation in healthy humans. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R236-R242. | 0.9 | 238 |
| 104 | Aging and the brain reninâ€“angiotensin system: relevance to age-related decline in cardiac function. Future Cardiology, 2008, 4, 237-245. | 0.5 | 7 |
| 105 | Relative Effects of Telmisartan, Candesartan and Losartan on Alleviating Arterial Stiffness in Patients with Hypertension Complicated by Diabetes Mellitus: An Evaluation Using the Cardio-Ankle Vascular Index (CAVI). Journal of International Medical Research, 2008, 36, 1094-1102. | 0.4 | 24 |
| 106 | Age and Blood Pressure Levels Modify the Functional Properties of Central but Not Peripheral Arteries. Angiology, 2008, 59, 290-295. | 0.8 | 18 |
| 107 | Effects of Reduced Cyclic Stretch on Vascular Smooth Muscle Cell Function of Pig Carotids Perfused Ex Vivo. American Journal of Hypertension, 2008, 21, 425-431. | 1.0 | 48 |
| 108 | Genetics and pathophysiology of arterial stiffness. Cardiovascular Research, 2008, 81, 637-648. | 1.8 | 142 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Cardiovascular Injury and Repair in Chronic Obstructive Pulmonary Disease. Proceedings of the American Thoracic Society, 2008, 5, 824-833. | 3.5 | 104 |
| 110 | Overweight Body Mass Index Classification Modifies Arterial Stiffening Associated with Weight Gain in Healthy Middle-Aged Japanese Men. Hypertension Research, 2008, 31, 1087-1092. | 1.5 | 14 |
| 111 | Pulse Pressure and Adverse Outcomes in Women: A Report From the Women's Ischemia Syndrome Evaluation (WISE). American Journal of Hypertension, 2008, 21, 1224-1230. | 1.0 | 8 |
| 112 | Evaluation of the Cardio-Ankle Vascular Index, a New Indicator of Arterial Stiffness Independent of Blood Pressure, in Obesity and Metabolic Syndrome. Hypertension Research, 2008, 31, 1921-1930. | 1.5 | 138 |
| 113 | Racial (Black-White) Divergence in the Association Between Adiponectin and Arterial Stiffness in Asymptomatic Young Adults: The Bogalusa Heart Study. American Journal of Hypertension, 2008, 21, 553-557. | 1.0 | 25 |
| 114 | Elastin insufficiency predisposes to elevated pulmonary circulatory pressures through changes in elastic artery structure. Journal of Applied Physiology, 2008, 105, 1610-1619. | 1.2 | 40 |
| 115 | Determinants of Systemic Vascular Function in Patients with Stable Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2008, 178, 1211-1218. | 2.5 | 216 |
| 116 | Role of the reninâ€“angiotensin system in age-related sarcopenia and diastolic dysfunction. Aging Health, 2008, 4, 37-46. | 0.3 | 13 |
| 117 | Plant stanol ester consumption and arterial elasticity and endothelial function. British Journal of Nutrition, 2008, 100, 603-608. | 1.2 | 42 |
| 118 | Fluvastatin Improves Arterial Stiffness in Patients With Coronary Artery Disease and Hyperlipidemia A 5-Year Follow-up Study. Circulation Journal, 2008, 72, 722-728. | 0.7 | 56 |
| 119 | Low-grade inflammation and arterial wave reflection in patients with chronic fatigue syndrome. Clinical Science, 2008, 114, 561-566. | 1.8 | 45 |
| 120 | Matrix Gla-protein: The calcification inhibitor in need of vitamin K. Thrombosis and Haemostasis, 2008, 100, 593-603. | 1.8 | 232 |
| 121 | Perioperative Blood Pressure Management: Does Central Vascular Stiffness Matter?. Anesthesia and Analgesia, 2008, 107, 1103-1106. | 1.1 | 8 |
| 122 | Accelerated arterial stiffening and gene expression profile of the aorta in patients with coronary artery disease. Journal of Hypertension, 2008, 26, 747-757. | 0.3 | 26 |
| 123 | Ventricular-Arterial Interaction in Patients with Heart Failure and a Preserved Ejection Fraction. , 2008, , 403-412. | | 0 |
| 124 | Arterial stiffness in insulin resistance: The role of nitric oxide and angiotensin II receptors. Vascular Health and Risk Management, 0, , 73. | 1.0 | 23 |
| 125 | Imaging Tools in Cardiovascular Research. , 2009, , 105-121. | | 0 |
| 126 | The Interaction between Fluid-Wall Shear Stress and Solid Circumferential Strain Affects Endothelial Cell Mechanobiology. , 0, , 360-376. | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Arterial Stiffness but Not Intima-Media Thickness Is Increased in Euthyroid Patients with Hashimoto's Thyroiditis: The Effect of Menopausal Status. Thyroid, 2009, 19, 857-862. | 2.4 | 31 |
| 128 | Animal models of pulmonary arterial hypertension: the hope for etiological discovery and pharmacological cure. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2009, 297, L1013-L1032. | 1.3 | 645 |
| 129 | Does Wave Reflection Dominate Age-Related Change in Aortic Blood Pressure Across the Human Life Span?. Hypertension, 2009, 53, 979-985. | 1.3 | 77 |
| 130 | Stiffness parameters, intima-media thickness and early atherosclerosis in systemic lupus erythematosus patients. Lupus, 2009, 18, 249-256. | 0.8 | 45 |
| 131 | Relationship of Carotid Distensibility and Thoracic Aorta Calcification. Hypertension, 2009, 54, 1408-1415. | 1.3 | 43 |
| 132 | Vascular Dysfunction in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2009, 180, 513-520. | 2.5 | 161 |
| 133 | Association of blood pressure levels with the effects of alcohol intake on the vasculature in Japanese men. Hypertension Research, 2009, 32, 127-132. | 1.5 | 16 |
| 134 | Synergistic effect of smoking and blood pressure on augmentation index in men, but not in women. Hypertension Research, 2009, 32, 122-126. | 1.5 | 40 |
| 135 | Simulated microgravity-induced aortic remodeling. Journal of Applied Physiology, 2009, 106, 2002-2008. | 1.2 | 18 |
| 136 | Analysis of Exonic Elastin Variants in Severe, Early-Onset Chronic Obstructive Pulmonary Disease. American Journal of Respiratory Cell and Molecular Biology, 2009, 40, 751-755. | 1.4 | 17 |
| 137 | Differential Effects of Reduced Cyclic Stretch and Perturbed Shear Stress Within the Arterial Wall and on Smooth Muscle Function. American Journal of Hypertension, 2009, 22, 1250-1257. | 1.0 | 8 |
| 138 | Increase in Carotid Artery Intimaâ€Media Thickness and Arterial Stiffness but Improvement in Several Markers of Endothelial Function after Initiation of Antiretroviral Therapy. Journal of Infectious Diseases, 2009, 199, 1186-1194. | 1.9 | 71 |
| 139 | Atherosclerosis in Rheumatoid Arthritis Versus Diabetes. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 1702-1708. | 1.1 | 166 |
| 140 | Plasma Oxidized Low-Density Lipoprotein Levels and Arterial Stiffness in Older Adults. Hypertension, 2009, 53, 846-852. | 1.3 | 68 |
| 141 | Hyperglycemia and Glycation in Diabetic Complications. Antioxidants and Redox Signaling, 2009, 11, 3071-3109. | 2.5 | 321 |
| 142 | Premature vascular ageing in cystic fibrosis. European Respiratory Journal, 2009, 34, 1217-1218. | 3.1 | 9 |
| 143 | Arterial Destiffening With Atorvastatin in Overweight and Obese Middle-Aged and Older Adults. Hypertension, 2009, 54, 763-768. | 1.3 | 73 |
| 144 | Relation of Adiponectin and High-Sensitivity C-Reactive Protein to Pulse-Wave Velocity and N-Terminal Pro-B-Type Natriuretic Peptide in the General Population. American Journal of Cardiology, 2009, 103, 1411-1416. | 0.7 | 38 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Subclinical vascular alterations in young adults with type 1 diabetes detected by arterial tonometry. Diabetes/Metabolism Research and Reviews, 2009, 25, 756-761. | 1.7 | 6 |
| 146 | High Pulsatility Flow Induces Adhesion Molecule and Cytokine mRNA Expression in Distal Pulmonary Artery Endothelial Cells. Annals of Biomedical Engineering, 2009, 37, 1082-1092. | 1.3 | 93 |
| 147 | Wall Shear Stress and Pressure Distribution on Aneurysms and Infundibulae in the Posterior Communicating Artery Bifurcation. Annals of Biomedical Engineering, 2009, 37, 2469-2487. | 1.3 | 45 |
| 148 | Effect of excessive salt intake: Role of plasma sodium. Current Hypertension Reports, 2009, 11, 91-97. | 1.5 | 14 |
| 149 | Tissue elasticity and the ageing elastic fibre. Age, 2009, 31, 305-325. | 3.0 | 253 |
| 150 | The influence of sex on the relationship between heart rate recovery and other cardiovascular risk factors in apparently healthy subjects. Scandinavian Journal of Medicine and Science in Sports, 2009, 20, 291-297. | 1.3 | 18 |
| 151 | CHANGES IN THE COMPOSITION OF THE THORACIC AORTIC WALL IN SPONTANEOUSLY HYPERTENSIVE RATS TREATED WITH LOSARTAN OR SPIRONOLACTONE. Clinical and Experimental Pharmacology and Physiology, 2009, 36, 583-588. | 0.9 | 13 |
| 152 | Measurement of the Intimal Thickness of the Carotid Artery: Comparison Between 40 MHz Ultrasound and Histology in Rats. Ultrasound in Medicine and Biology, 2009, 35, 962-966. | 0.7 | 10 |
| 153 | Serum Phosphorus Concentrations and Arterial Stiffness among Individuals with Normal Kidney Function to Moderate Kidney Disease in MESA. Clinical Journal of the American Society of Nephrology: CJASN, 2009, 4, 609-615. | 2.2 | 155 |
| 154 | Central Aortic Stiffness is Increased in Patients With Heart Failure and Preserved Ejection Fraction. Journal of Cardiac Failure, 2009, 15, 658-664. | 0.7 | 120 |
| 155 | Association between endogenous secretory RAGE, inflammatory markers and arterial stiffness. International Journal of Cardiology, 2009, 132, 96-101. | 0.8 | 53 |
| 156 | Oxyhalogenâ€“sulfur chemistry â€” Kinetics and mechanism of oxidation of methionine by aqueous iodine and acidified iodate. Canadian Journal of Chemistry, 2009, 87, 689-697. | 0.6 | 10 |
| 157 | Effects of cardiovascular angiotensin II type 1 receptor blockade on nitric oxide synthase inhibition in patients with insulin resistance syndrome. Blood Pressure, 2009, 18, 142-148. | 0.7 | 2 |
| 158 | Galectin-2(LGALS2)3279C/T Polymorphism may be Independently Associated with Diastolic Blood Pressure in Patients with Rheumatoid Arthritis. Clinical and Experimental Hypertension, 2009, 31, 93-104. | 0.5 | 23 |
| 159 | Implantation of paclitaxel-eluting stent impairs the vascular compliance of arteries in porcine coronary stenting model. Atherosclerosis, 2009, 202, 144-151. | 0.4 | 14 |
| 160 | Structural and electrophysiological changes in atherosclerotic radial artery grafts account for impairment of vessel reactivity. Atherosclerosis, 2009, 206, 405-410. | 0.4 | 4 |
| 161 | Usefulness of Aortic Strain Analysis by Velocity Vector Imaging as a New Echocardiographic Measure of Arterial Stiffness. Journal of the American Society of Echocardiography, 2009, 22, 1382-1388. | 1.2 | 46 |
| 162 | Noninvasive methods for assessing early markers of atherosclerosis: the role of body composition and nutrition. Current Opinion in Clinical Nutrition and Metabolic Care, 2009, 12, 467-473. | 1.3 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Significance of Central Aortic Stiffness in Cardiovascular Disease. American Journal of Therapeutics, 2009, 16, e60-e67. | 0.5 | 0 |
| 164 | Anti-Inflammatory Drugs and Statins for Arterial Stiffness Reduction. Current Pharmaceutical Design, 2009, 15, 290-303. | 0.9 | 52 |
| 165 | Flavonoids, Vascular Function and Cardiovascular Protection. Current Pharmaceutical Design, 2009, 15, 1072-1084. | 0.9 | 163 |
| 166 | Relationship of ambulatory arterial stiffness index with blood pressure response to exercise in the early stages of hypertension. Blood Pressure Monitoring, 2010, 15, 132-138. | 0.4 | 17 |
| 167 | Long-term reduction in aortic stiffness: a 5.3-year follow-up in routine clinical practice. Journal of Hypertension, 2010, 28, 2336-2341. | 0.3 | 84 |
| 168 | Changes in Arterial Distensibility and Flow-Mediated Dilation After Acute Resistance vs. Aerobic Exercise. Journal of Strength and Conditioning Research, 2010, 24, 2846-2852. | 1.0 | 59 |
| 169 | Obesity and Arterial Compliance Alterations. Current Vascular Pharmacology, 2010, 8, 155-168. | 0.8 | 56 |
| 170 | 10 Vitamin D Cholecalciferol. , 2010, , 363-456. | | 0 |
| 171 | Significant Improvement in Arterial Stiffness After Endurance Training in Patients With COPD. Chest, 2010, 137, 585-592. | 0.4 | 67 |
| 172 | Non-Invasive Vascular Function Tests:. Circulation Journal, 2010, 74, 24-33. | 0.7 | 265 |
| 173 | Scrutiny of cardiovascular risk factors by assessing arterial stiffness in erectile dysfunction patients. World Journal of Urology, 2010, 28, 625-630. | 1.2 | 8 |
| 174 | Combined immunoelectron microscopic and computer-assisted image analyses to detect advanced glycation end-products in human myocardium. Histochemistry and Cell Biology, 2010, 134, 23-30. | 0.8 | 27 |
| 175 | Macrovascular disease: pathogenesis and risk assessment. Medicine, 2010, 38, 626-631. | 0.2 | 0 |
| 176 | Effect of long-term treatment with antioxidants (vitamin C, vitamin E, coenzyme Q10 and selenium) on arterial compliance, humoral factors and inflammatory markers in patients with multiple cardiovascular risk factors. Nutrition and Metabolism, 2010, 7, 55. | 1.3 | 75 |
| 177 | Long chain nâ^'3 PUFA-rich meal reduced postprandial measures ofÂarterial stiffness. Clinical Nutrition, 2010, 29, 678-681. | 2.3 | 29 |
| 178 | Exogenous and endogenous force regulation of endothelial cell behavior. Journal of Biomechanics, 2010, 43, 79-86. | 0.9 | 104 |
| 179 | Fluorescent Probes of Tissue Transglutaminase Reveal Its Association with Arterial Stiffening. Chemistry and Biology, 2010, 17, 1143-1150. | 6.2 | 22 |
| 180 | Comparative proteomic analysis of rat aorta in a subtotal nephrectomy model. Proteomics, 2010, 10, 2429-2443. | 1.3 | 30 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | Pulse wave velocity and augmentation index, but not intimaâ€•media thickness, are early indicators of vascular damage in hypercholesterolemic children. European Journal of Clinical Investigation, 2010, 40, 250-257. | 1.7 | 108 |
| 182 | The Effect of Obesity and Weight Loss on Aortic Pulse Wave Velocity as Assessed by Magnetic Resonance Imaging. Obesity, 2010, 18, 2311-2316. | 1.5 | 97 |
| 183 | Uteroplacental insufficiency programs regional vascular dysfunction and alters arterial stiffness in female offspring. Journal of Physiology, 2010, 588, 1997-2010. | 1.3 | 71 |
| 184 | Arterial stiffening with ageing is associated with transforming growth factor-Î²1-related changes in adventitial collagen: reversal by aerobic exercise. Journal of Physiology, 2010, 588, 3971-3982. | 1.3 | 169 |
| 185 | Critical appraisal of the differential effects of antihypertensive agents on arterial stiffness. Integrated Blood Pressure Control, 2010, 3, 63. | 0.4 | 6 |
| 186 | Arterial Stiffness in the Young: Assessment, Determinants, and Implications. Korean Circulation Journal, 2010, 40, 153. | 0.7 | 40 |
| 187 | The Value of Brachial-Ankle Pulse Wave Velocity as a Predictor of Coronary Artery Disease in High-Risk Patients. Korean Circulation Journal, 2010, 40, 224. | 0.7 | 22 |
| 188 | The Endothelium and Its Role in Regulating Vascular Tone. Open Cardiovascular Medicine Journal, 2010, 4, 302-312. | 0.6 | 557 |
| 189 | Systemic Circulation. , 2010, , 91-116. | | 3 |
| 190 | Matrix Metalloproteinase 2 and 9 Dysfunction Underlie Vascular Stiffness in Circadian Clock Mutant Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 2535-2543. | 1.1 | 60 |
| 191 | Increased Endothelial Exocytosis and Generation of Endothelin-1 Contributes to Constriction of Aged Arteries. Circulation Research, 2010, 107, 242-251. | 2.0 | 60 |
| 192 | Arterial stiffness: a brief review. Acta Pharmacologica Sinica, 2010, 31, 1267-1276. | 2.8 | 253 |
| 193 | Autonomous Effects of Shear Stress and Cyclic Circumferential Stretch regarding Endothelial Dysfunction and Oxidative Stress: An ex vivo Arterial Model. Journal of Vascular Research, 2010, 47, 336-345. | 0.6 | 27 |
| 194 | Response to Aortic Pulse Wave Velocity May Have Prognostic Value Not Just for Hypertension but Also for Abdominal Aortic Aneurysms. Hypertension, 2010, 55, . | 1.3 | 0 |
| 195 | APOEÏµ4 allele carriers: Biological, psychological, and social variables associated with cognitive impairment. Aging and Mental Health, 2010, 14, 679-691. | 1.5 | 10 |
| 196 | Influence of Leptin, Adiponectin, and Resistin on the Association Between Abdominal Adiposity and Arterial Stiffness. American Journal of Hypertension, 2010, 23, 501-507. | 1.0 | 72 |
| 197 | Lifetime Fruit and Vegetable Consumption and Arterial Pulse Wave Velocity in Adulthood. Circulation, 2010, 122, 2521-2528. | 1.6 | 94 |
| 198 | HFE H63D Polymorphism as a Modifier of the Effect of Cumulative Lead Exposure on Pulse Pressure: The Normative Aging Study. Environmental Health Perspectives, 2010, 118, 1261-1266. | 2.8 | 28 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | Association of Osteoprotegerin With Aortic Stiffness in Patients With Symptomatic Peripheral Artery Disease and in Healthy Subjects. American Journal of Hypertension, 2010, 23, 586-591. | 1.0 | 34 |
| 200 | Impaired Endothelial Progenitor Cell Activity is Associated with Reduced Arterial Elasticity in Patients with Essential Hypertension. Clinical and Experimental Hypertension, 2010, 32, 444-452. | 0.5 | 38 |
| 201 | CT Emphysema Predicts Thoracic Aortic Calcification in Smokers with and Without COPD. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2010, 7, 404-410. | 0.7 | 34 |
| 202 | Changes in aortic stiffness related to elastic fiber network anomalies in the Brown Norway rat during maturation and aging. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H144-H152. | 1.5 | 31 |
| 203 | Arterial Destiffening With Weight Loss in Overweight and Obese Middle-Aged and Older Adults. Hypertension, 2010, 55, 855-861. | 1.3 | 157 |
| 205 | Change of the aortic elasticity in rheumatoid arthritis: Relationship to associated cardiovascular risk factors. Journal of Cardiovascular Disease Research (discontinued), 2010, 1, 110-115. | 0.1 | 13 |
| 206 | Effects of high-intensity aerobic interval training vs. moderate exercise on hemodynamic, metabolic and neuro-humoral abnormalities of young normotensive women at high familial risk for hypertension. Hypertension Research, 2010, 33, 836-843. | 1.5 | 171 |
| 207 | Effects of continuous vs. interval exercise training on blood pressure and arterial stiffness in treated hypertension. Hypertension Research, 2010, 33, 627-632. | 1.5 | 202 |
| 208 | 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 |
| 209 | Vascular Pathophysiology in Response to Increased Heart Rate. Journal of the American College of Cardiology, 2010, 56, 1973-1983. | 1.2 | 213 |
| 210 | Arterial stiffness: Methods of measurement, physiologic determinants and prediction of cardiovascular outcomes. International Journal of Cardiology, 2010, 138, 112-118. | 0.8 | 79 |
| 211 | Relationship between increased arterial stiffness and other markers of target organ damage. Medicina ClÃnica, 2010, 134, 528-533. | 0.3 | 13 |
| 212 | Reduced cyclic stretch, endothelial dysfunction, and oxidative stress: an ex vivo model. Cardiovascular Pathology, 2010, 19, e91-e98. | 0.7 | 44 |
| 213 | Association between cardiorespiratory fitness and arterial stiffness in men with the metabolic syndrome. Diabetes Research and Clinical Practice, 2010, 90, 326-332. | 1.1 | 37 |
| 214 | Symmetrical ambulatory arterial stiffness index: Relationship with microalbuminuria and renal function. European Journal of Internal Medicine, 2010, 21, 118-122. | 1.0 | 10 |
| 215 | Effects of CPAP therapy on the sympathovagal balance and arterial stiffness in obstructive sleep apnea. Respiratory Medicine, 2010, 104, 911-916. | 1.3 | 42 |
| 216 | Extracellular matrix alterations in hypertensive vascular remodeling. Journal of Molecular and Cellular Cardiology, 2010, 48, 433-439. | 0.9 | 154 |
| 217 | The association of the Friesinger score and pulse pressure in an urban South Asian patient population: pulse pressure, an independent predictor of coronary artery disease. Journal of the American Society of Hypertension, 2010, 4, 142-147. | 2.3 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 218 | Arterial stiffness and inflammation â€“ A potential target for a drug therapy. Artery Research, 2010, 4, 99. | 0.3 | 8 |
| 219 | Implementation of array sensor module for a radial artery tonometry. , 2010, 2010, 6397-400. | | 1 |
| 220 | Presence of retinopathy in type 1 diabetic patients is associated with subclinical macroangiopathy. Scandinavian Journal of Clinical and Laboratory Investigation, 2011, 71, 563-568. | 0.6 | 11 |
| 221 | Arterial Stiffness. High Blood Pressure and Cardiovascular Prevention, 2011, 18, 1-12. | 1.0 | 34 |
| 222 | Impact of Î±-lipoic acid on liver peroxisome proliferator-activated receptor-Î±, vascular remodeling, and oxidative stress in insulin-resistant rats. Canadian Journal of Physiology and Pharmacology, 2011, 89, 743-751. | 0.7 | 12 |
| 223 | Ventricularâ€“Vascular Interaction in Heart Failure. Cardiology Clinics, 2011, 29, 447-459. | 0.9 | 121 |
| 224 | Matrix metalloproteinases: Targets for doxycycline to prevent the vascular alterations of hypertension. Pharmacological Research, 2011, 64, 567-572. | 3.1 | 80 |
| 225 | Vascular Contributions to Cognitive Impairment and Dementia. Stroke, 2011, 42, 2672-2713. | 1.0 | 2,989 |
| 226 | Fibulin-1 Is a Marker for Arterial Extracellular Matrix Alterations in Type 2 Diabetes. Clinical Chemistry, 2011, 57, 1556-1565. | 1.5 | 64 |
| 227 | Associations of plasma homocysteine level with brachial-ankle pulse wave velocity, LDL atherogenicity, and inflammation profile in healthy men. Nutrition, Metabolism and Cardiovascular Diseases, 2011, 21, 136-143. | 1.1 | 24 |
| 228 | Pericardial fat is associated with carotid stiffness in the Multi-Ethnic Study of Atherosclerosis. Nutrition, Metabolism and Cardiovascular Diseases, 2011, 21, 332-338. | 1.1 | 36 |
| 229 | AGE-RAGE in Multiple Sclerosis Brain. Immunological Investigations, 2011, 40, 197-205. | 1.0 | 31 |
| 230 | Effects of aging and persistent prehypertension on arterial stiffening. Atherosclerosis, 2011, 217, 130-134. | 0.4 | 31 |
| 231 | Oxidative stress is associated with impaired arterial elasticity. Atherosclerosis, 2011, 218, 90-95. | 0.4 | 111 |
| 232 | Arterial Stiffness Measured as Pulse Wave Velocity is Highly Correlated with Coronary Atherosclerosis in Asymptomatic Patients. Journal of Atherosclerosis and Thrombosis, 2011, 18, 652-658. | 0.9 | 42 |
| 233 | Why do veins stiffen with advancing age?. Journal of Applied Physiology, 2011, 110, 11-12. | 1.2 | 18 |
| 234 | Role of vitamin K-dependent proteins in the arterial vessel wall. Hamostaseologie, 2011, 31, 251-257. | 0.9 | 28 |
| 235 | Evaluation of arterial propagation velocity based on the automated analysis of the Pulse Wave Shape. Journal of Physics: Conference Series, 2011, 332, 012014. | 0.3 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 236 | Vascular compliance in blood pressure. Current Opinion in Nephrology and Hypertension, 2011, 20, 457-464. | 1.0 | 29 |
| 237 | Vitamin D in Atherosclerosis, Vascular Disease, and Endothelial Function. Current Drug Targets, 2011, 12, 54-60. | 1.0 | 121 |
| 238 | Cardiovascular Risk and Endothelial Dysfunction: The Preferential Route for Atherosclerosis. Current Pharmaceutical Biotechnology, 2011, 12, 1343-1353. | 0.9 | 46 |
| 239 | Endothelial cell substrate stiffness influences neutrophil transmigration via myosin light chain kinase-dependent cell contraction. Blood, 2011, 118, 1632-1640. | 0.6 | 167 |
| 240 | 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 |
| 241 | Effects of a threeâ€month combined exercise programme on fibroblast growth factor 21 and fetuinâ€A levels and arterial stiffness in obese women. Clinical Endocrinology, 2011, 75, 464-469. | 1.2 | 121 |
| 242 | Arterial tension time reflects subclinical atherosclerosis, arterial stiffness and stroke volume. Clinical Physiology and Functional Imaging, 2011, 31, 464-471. | 0.5 | 7 |
| 243 | Keeping Your Arteries Young: Vascular Health. Journal of Clinical Hypertension, 2011, 13, 706-707. | 1.0 | 3 |
| 244 | Change in cardio-ankle vascular index by long-term continuous positive airway pressure therapy for obstructive sleep apnea. Journal of Cardiology, 2011, 58, 74-82. | 0.8 | 20 |
| 245 | Localised micro-mechanical stiffening in the ageing aorta. Mechanisms of Ageing and Development, 2011, 132, 459-467. | 2.2 | 45 |
| 246 | Monounsaturated fatty acid, carbohydrate intake, and diabetes status are associated with arterial pulse pressure. Nutrition Journal, 2011, 10, 126. | 1.5 | 8 |
| 247 | Current and future role of ultrafiltration in CRS. Heart Failure Reviews, 2011, 16, 595-602. | 1.7 | 14 |
| 248 | Coronary arterioles in type 2 diabetic (db/db) mice undergo a distinct pattern of remodeling associated with decreased vessel stiffness. Basic Research in Cardiology, 2011, 106, 1123-1134. | 2.5 | 62 |
| 249 | Effect of chinese herbal medicine for calming Gan (è‚) and suppressing hyperactive yang on arterial elasticity function and circadian rhythm of blood pressure in patients with essential hypertension. Chinese Journal of Integrative Medicine, 2011, 17, 414-420. | 0.7 | 17 |
| 250 | Aortic stiffness, blood pressure and renal dysfunction. Internal and Emergency Medicine, 2011, 6, 111-114. | 1.0 | 9 |
| 251 | Metabolic syndrome in childhood and increased arterial stiffness in adulthood â€" The Cardiovascular Risk in Young Finns Study. Annals of Medicine, 2011, 43, 312-319. | 1.5 | 59 |
| 252 | Cellular Senescence, Vascular Disease, and Aging. Circulation, 2011, 123, 1900-1910. | 1.6 | 186 |
| 253 | Angiotensin II Type 1A Receptors in Vascular Smooth Muscle Cells Do Not Influence Aortic Remodeling in Hypertension. Hypertension, 2011, 57, 577-585. | 1.3 | 54 |

| # | Article | IF | Citations |
|---|---|---|---|
| 254 | Isolated Diastolic Hypotension and Incident Heart Failure in Older Adults. Hypertension, 2011, 58, 895-901. | 1.3 | 44 |
| 255 | Combined vascular effects of HMG-CoA reductase inhibitor and angiotensin receptor blocker in non-diabetic patients undergoing peritoneal dialysis. Nephrology Dialysis Transplantation, 2011, 26, 3722-3728. | 0.4 | 24 |
| 256 | Implications of Vascular Aging. Anesthesia and Analgesia, 2011, 112, 1048-1060. | 1.1 | 79 |
| 257 | Influence of Aortic Pressure Wave Components Determined Noninvasively on Myocardial Oxygen Demand in Men and Women. Hypertension, 2011, 57, 193-200. | 1.3 | 45 |
| 258 | Parallel Deterioration of Albuminuria, Arterial Stiffness and Left Ventricular Mass in Essential Hypertension: Integrating Target Organ Damage. Nephron Clinical Practice, 2011, 119, c27-c34. | 2.3 | 12 |
| 259 | Does Uremia Cause Vascular Dysfunction. Kidney and Blood Pressure Research, 2011, 34, 284-290. | 0.9 | 122 |
| 260 | Increased Brachial-Ankle Pulse Wave Velocity Is Independently Associated with White Matter Hyperintensities. Neuroepidemiology, 2011, 36, 252-257. | 1.1 | 44 |
| 261 | Metabolic Correction in the Management of Diabetic Peripheral Neuropathy: Improving Clinical Results Beyond Symptom Control. Current Clinical Pharmacology, 2011, 6, 260-273. | 0.2 | 53 |
| 262 | Tissue Factor Pathway Inhibitor. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 1226-1232. | 1.1 | 24 |
| 263 | Endothelial dysfunction and diurnal variation of blood pressure: night secrets of arterial hypertension?. Journal of Human Hypertension, 2011, 25, 653-655. | 1.0 | 1 |
| 264 | Symmetrical Ambulatory Arterial Stiffness Index: Relationship with Serum Cystatin C Levels. Renal Failure, 2011, 33, 255-260. | 0.8 | 6 |
| 265 | Vascular function and morphology in rheumatoid arthritis: a systematic review. Rheumatology, 2011, 50, 2125-2139. | 0.9 | 121 |
| 266 | Vascular Stiffness and Increased Pulse Pressure in the Aging Cardiovascular System. Cardiology Research and Practice, 2011, 2011, 1-8. | 0.5 | 162 |
| 267 | Height Constitutes an Important Predictor of Mortality in End-Stage Renal Disease. Cardiology Research and Practice, 2011, 2011, 1-8. | 0.5 | 6 |
| 268 | Arterial-Cardiac Destiffening Following Long-Term Antihypertensive Treatment. American Journal of Hypertension, 2011, 24, 1080-1086. | 1.0 | 20 |
| 269 | Age-Related Intimal Stiffening Enhances Endothelial Permeability and Leukocyte Transmigration. Science Translational Medicine, 2011, 3, 112ra122. | 5.8 | 324 |
| 270 | Interactions between CKD and MetS and the Development of CVD. Cardiology Research and Practice, 2011, 2011, 1-2. | 0.5 | 3 |
| 271 | Nocturnal blood pressure but not insulin resistance influences endothelial function in treated hypertensive patients. Journal of Human Hypertension, 2011, 25, 18-24. | 1.0 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 272 | Substrate stiffening promotes endothelial monolayer disruption through enhanced physical forces. American Journal of Physiology - Cell Physiology, 2011, 300, C146-C154. | 2.1 | 205 |
| 273 | 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 |
| 274 | Pulmonary Function is Associated with Distal Aortic Calcium, Not Proximal Aortic Distensibility. MESA Lung Study. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2011, 8, 71-78. | 0.7 | 16 |
| 275 | A Linear Transformation Approach for Estimating Pulse Arrival Time. Journal of Applied Mathematics, 2012, 2012, 1-12. | 0.4 | 0 |
| 276 | Systemic elastin degradation in chronic obstructive pulmonary disease. Thorax, 2012, 67, 606-612. | 2.7 | 88 |
| 277 | Modeling human arterial wall motion with in vivo validation using high frequency ultrasound. , 2012, , . | | 0 |
| 278 | 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 |
| 279 | Associations between reactive oxygen species, blood pressure and arterial stiffness in black South Africans: the SABPA study. Journal of Human Hypertension, 2012, 26, 91-97. | 1.0 | 36 |
| 280 | 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 |
| 281 | Arterial Stiffness Is Increased in Patients With Type 1 Diabetes Without Cardiovascular Disease. Diabetes Care, 2012, 35, 1083-1089. | 4.3 | 70 |
| 282 | Ankleâ€“Brachial Index as an Indicator of Arterial Stiffness in Patients Without Peripheral Artery Disease. Angiology, 2012, 63, 150-154. | 0.8 | 30 |
| 283 | Impact of Experimental Diabetes on the Maternal Uterine Vascular Remodeling During Rat Pregnancy. Reproductive Sciences, 2012, 19, 322-331. | 1.1 | 11 |
| 284 | Negative effect of noscapine on human serum albumin glycation. Journal of Pharmaceutical Negative Results, 2012, 3, 34. | 0.1 | 2 |
| 285 | Heart Rate Reduction by Ivabradine Improves Aortic Compliance in Apolipoprotein E-Deficient Mice. Journal of Vascular Research, 2012, 49, 432-440. | 0.6 | 24 |
| 286 | The contribution of vascular smooth muscle, elastin and collagen on the passive mechanics of porcine carotid arteries. Physiological Measurement, 2012, 33, 1335-1351. | 1.2 | 33 |
| 287 | Elastic properties of the ascending aorta in patients with Î±1-antitrypsin deficiency (Z homozygotes). Heart, 2012, 98, 1354-1358. | 1.2 | 25 |
| 288 | Low-grade inflammation and arterial stiffness in the elderly. Journal of Hypertension, 2012, 30, 679-681. | 0.3 | 4 |
| 289 | Defining vascular aging and cardiovascular risk. Journal of Hypertension, 2012, 30, S3-S8. | 0.3 | 112 |

| # | Article | IF | Citations |
|---|---|---|---|
| 290 | Diabetes-induced vascular dysfunction involves arginase I. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 302, H159-H166. | 1.5 | 77 |
| 291 | Increased arterial stiffness is associated with high cardiovascular mortality in male Fabry patients. Journal of Inherited Metabolic Disease, 2012, 35, 885-889. | 1.7 | 6 |
| 292 | Arterial pulse wave velocity in relation to carotid intima-media thickness, brachial flow-mediated dilation and carotid artery distensibility: The Cardiovascular Risk in Young Finns Study and the Health 2000 Survey. Atherosclerosis, 2012, 220, 387-393. | 0.4 | 91 |
| 293 | NT-proBNP is associated with fibulin-1 in Africans: The SAfrEIC study. Atherosclerosis, 2012, 222, 216-221. | 0.4 | 17 |
| 294 | Aortic stiffness and calcification in men in a population-based international study. Atherosclerosis, 2012, 222, 473-477. | 0.4 | 63 |
| 295 | Reductions in arterial stiffness with weight loss in overweight and obese young adults: Potential mechanisms. Atherosclerosis, 2012, 223, 485-490. | 0.4 | 69 |
| 296 | Early Arterial Stiffness and Inflammatory Bio-Markers in Normotensive Polycystic Kidney Disease Patients. American Journal of Nephrology, 2012, 36, 11-18. | 1.4 | 44 |
| 297 | Vascular stiffness and endothelial dysfunction: Correlations at different levels of blood pressure. Blood Pressure, 2012, 21, 31-38. | 0.7 | 67 |
| 298 | Is chronic obstructive pulmonary disease associated with increased arterial stiffness?. Respiratory Medicine, 2012, 106, 397-405. | 1.3 | 15 |
| 299 | Arterial stiffness and pulse pressure in CKD and ESRD. Kidney International, 2012, 82, 388-400. | 2.6 | 307 |
| 300 | Vascular calcification: The price to pay for anticoagulation therapy with vitamin K-antagonists. Blood Reviews, 2012, 26, 155-166. | 2.8 | 136 |
| 301 | Review of MR elastography applications and recent developments. Journal of Magnetic Resonance Imaging, 2012, 36, 757-774. | 1.9 | 200 |
| 302 | 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 |
| 304 | The Relationship Between Objectively Measured Physical Activity, Sedentary Time, and Vascular Health in Children. American Journal of Hypertension, 2012, 25, 914-919. | 1.0 | 35 |
| 305 | Arterial stiffness: using simple surrogate measures to make sense of a biologically complex phenomenon. Hypertension Research, 2012, 35, 155-156. | 1.5 | 6 |
| 306 | Structural and biochemical characteristics of arterial stiffness in patients with atherosclerosis and in healthy subjects. Hypertension Research, 2012, 35, 1032-1037. | 1.5 | 17 |
| 307 | Cell Elasticity Determines Macrophage Function. PLoS ONE, 2012, 7, e41024. | 1.1 | 220 |
| 308 | Endothelial Dysfunction, Arterial Stiffness, and Heart Failure. Journal of the American College of Cardiology, 2012, 60, 1455-1469. | 1.2 | 360 |

| # | Article | IF | Citations |
|---|---|---|---|
| 309 | Relationship between tissue glycation measured by autofluorescence and pulse wave velocity in young and elderly non-diabetic populations. Diabetes and Metabolism, 2012, 38, 413-419. | 1.4 | 18 |
| 310 | 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 |
| 311 | On ultrasound-induced microbubble oscillation in a capillary blood vessel and its implications for the bloodâ€“brain barrier. Physics in Medicine and Biology, 2012, 57, 1019-1045. | 1.6 | 32 |
| 312 | Crosstalk between Advanced Glycation and Endoplasmic Reticulum Stress: Emerging Therapeutic Targeting for Metabolic Diseases. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 2231-2242. | 1.8 | 146 |
| 313 | Aging-Associated Cardiovascular Changes and Their Relationship to Heart Failure. Heart Failure Clinics, 2012, 8, 143-164. | 1.0 | 523 |
| 314 | Subacute Blood Pressure Response in Elderly Hypertensive Women after a Water Exercise Session. High Blood Pressure and Cardiovascular Prevention, 2012, 19, 223-227. | 1.0 | 8 |
| 315 | Hemoglobin A1c and Arterial and Ventricular Stiffness in Older Adults. PLoS ONE, 2012, 7, e47941. | 1.1 | 12 |
| 316 | Role of Inflammation in the Pathogenesis of Arterial Stiffness. Yonsei Medical Journal, 2012, 53, 258. | 0.9 | 160 |
| 317 | Pulse Pressure and Target Organ Damage. , 0, , . | | 0 |
| 318 | Cardiovascular Risk in Women With PCOS. International Journal of Endocrinology and Metabolism, 2012, 10, 611-618. | 0.3 | 74 |
| 319 | The Correlation of Carotid Artery Stiffness with Heart Function in Hypertensive Patients. Journal of Cardiovascular Imaging, 2012, 20, 134. | 0.8 | 26 |
| 320 | Ultrasonography and Tonometry for the Assessment of Human Arterial Stiffness. , 2012, , . | | 2 |
| 321 | Age-associated changes in cardiovascular structure and function: a fertile milieu for future disease. Heart Failure Reviews, 2012, 17, 545-554. | 1.7 | 199 |
| 323 | Impact of COPD exacerbation on cerebral blood flow. Clinical Imaging, 2012, 36, 185-190. | 0.8 | 13 |
| 324 | Effect of Vitamin K2 Supplementation on Functional Vitamin K Deficiency in Hemodialysis Patients: A Randomized Trial. American Journal of Kidney Diseases, 2012, 59, 186-195. | 2.1 | 257 |
| 325 | Improvement of Arterial Stiffness by Reducing Oxidative Stress Damage in Elderly Hypertensive Patients After 6â€ƒMonths of Atorvastatin Therapy. Journal of Clinical Hypertension, 2012, 14, 245-249. | 1.0 | 26 |
| 326 | Cardiovascular risk in pediatric type 1 diabetes: sex-specific intima-media thickening verified by automatic contour identification and analyzing systems. Pediatric Diabetes, 2012, 13, 251-258. | 1.2 | 13 |
| 327 | Transgenic expression of an altered angiotensin type I AT1 receptor resulting in marked modulation of vascular type I collagen. Journal of Cellular Physiology, 2012, 227, 2013-2021. | 2.0 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 328 | Exposure to wood smoke increases arterial stiffness and decreases heart rate variability in humans. Particle and Fibre Toxicology, 2013, 10, 20. | 2.8 | 99 |
| 329 | High Pulsatility Flow Induces Acute Endothelial Inflammation Through Overpolarizing Cells to Activate NF-Î²B. Cardiovascular Engineering and Technology, 2013, 4, 26-38. | 0.7 | 40 |
| 330 | Effect of high doses of vitamin D on arterial properties, adiponectin, leptin and glucose homeostasis in type 2 diabetic patients. Clinical Nutrition, 2013, 32, 970-975. | 2.3 | 127 |
| 331 | Mechanical cues in cellular signalling and communication. Cell and Tissue Research, 2013, 352, 77-94. | 1.5 | 68 |
| 332 | Impaired endothelial function is not associated with arterial stiffness in adults with type 1 diabetes. Diabetes and Metabolism, 2013, 39, 355-362. | 1.4 | 12 |
| 333 | Association of age-related changes in circulating intermediary lipid metabolites, inflammatory and oxidative stress markers, and arterial stiffness in middle-aged men. Age, 2013, 35, 1507-1519. | 3.0 | 42 |
| 334 | NT-proBNP is associated with SYNTAX score and aortic distensibility in patients with stable CAD. Herz, 2013, 38, 922-927. | 0.4 | 5 |
| 335 | 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 |
| 336 | Arterial stiffness is increased in Hodgkin lymphoma survivors treated with radiotherapy. Leukemia and Lymphoma, 2013, 54, 1734-1741. | 0.6 | 11 |
| 337 | Relationship between chronic obstructive pulmonary disease and subclinical coronary artery disease in long-term smokers. European Heart Journal Cardiovascular Imaging, 2013, 14, 1159-1166. | 0.5 | 38 |
| 338 | A new near-infrared spectroscopy parameter as marker for patients with migraine. Neurological Sciences, 2013, 34, 129-131. | 0.9 | 2 |
| 339 | Effects of red wine on established markers of arterial structure and function in human studies: current knowledge and future research directions. Expert Review of Clinical Pharmacology, 2013, 6, 613-625. | 1.3 | 4 |
| 340 | Metabolomic profiling as a useful tool for diagnosis and treatment of chronic disease: focus on obesity, diabetes and cardiovascular diseases. Expert Review of Cardiovascular Therapy, 2013, 11, 61-68. | 0.6 | 33 |
| 341 | Silent cardiovascular involvement in patients with diffuse systemic sclerosis: a controlled crossâ€sectional study. Arthritis Care and Research, 2013, 65, 274-280. | 1.5 | 40 |
| 342 | Effect of tobacco smoking and smoking cessation on plasma lipoproteins and associated major cardiovascular risk factors: a narrative review. Current Medical Research and Opinion, 2013, 29, 1263-1274. | 0.9 | 77 |
| 343 | Association of periodontitis with carotid artery intimaâ€“media thickness and arterial stiffness in community-dwelling people inÂJapan: The Nagasaki Islands study. Atherosclerosis, 2013, 229, 186-191. | 0.4 | 44 |
| 344 | Curcumin ameliorates arterial dysfunction and oxidative stress with aging. Experimental Gerontology, 2013, 48, 269-276. | 1.2 | 116 |
| 345 | Dark chocolate reduces endothelial dysfunction after successive breath-hold dives in cool water. European Journal of Applied Physiology, 2013, 113, 2967-2975. | 1.2 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 347 | Inhibition of Matrix Metalloproteinases (MMPs) as a Potential Strategy to Ameliorate Hypertension-Induced Cardiovascular Alterations. Current Drug Targets, 2013, 14, 335-343. | 1.0 | 3 |
| 348 | Dysfunction in elastic fiber formation in fibulin-5 null mice abrogates the evolution in mechanical response of carotid arteries during maturation. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 304, H674-H686. | 1.5 | 27 |
| 349 | Delayed blood pressure recovery ratio might indicate increased arterial stiffness in hypertensive patients with reduced aerobic exercise capacity. Blood Pressure, 2013, 22, 290-296. | 0.7 | 11 |
| 350 | 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 |
| 351 | The Role of Tissue Renin-Angiotensin-Aldosterone System in the Development of Endothelial Dysfunction and Arterial Stiffness. Frontiers in Endocrinology, 2013, 4, 161. | 1.5 | 146 |
| 352 | Local Arterial Stiffening Assessed by MRI Precedes Atherosclerotic Plaque Formation. Circulation: Cardiovascular Imaging, 2013, 6, 916-923. | 1.3 | 46 |
| 353 | Arterial Stiffness and Wave Reflections in Relation to Plasma Advanced Glycation End Products in a Chinese Population. American Journal of Hypertension, 2013, 26, 754-761. | 1.0 | 20 |
| 354 | Large-vessel correlates of cerebral small-vessel disease. Neurology, 2013, 80, 662-669. | 1.5 | 122 |
| 355 | Follow-Ups of Metabolic, Inflammatory and Oxidative Stress Markers, and Brachialâ€“Ankle Pulse Wave Velocity in Middle-Aged Subjects without Metabolic Syndrome. Clinical and Experimental Hypertension, 2013, 35, 382-388. | 0.5 | 13 |
| 356 | Carotid Calcification in Mice: A New Model to Study the Effects of Arterial Stiffness on the Brain. Journal of the American Heart Association, 2013, 2, e000224. | 1.6 | 31 |
| 357 | Inactivation of Serum Response Factor Contributes To Decrease Vascular Muscular Tone and Arterial Stiffness in Mice. Circulation Research, 2013, 112, 1035-1045. | 2.0 | 43 |
| 358 | Association of Resting Heart Rate With Carotid and Aortic Arterial Stiffness. Hypertension, 2013, 62, 477-484. | 1.3 | 80 |
| 359 | Early vascular ageing in translation. Journal of Hypertension, 2013, 31, 1517-1526. | 0.3 | 184 |
| 360 | Racial Differences in Arterial Stiffness and Microcirculatory Function Between Black and White Americans. Journal of the American Heart Association, 2013, 2, e002154. | 1.6 | 114 |
| 361 | Renal nerve ablation reduces augmentation index in patients with resistant hypertension. Journal of Hypertension, 2013, 31, 1893-1900. | 0.3 | 66 |
| 362 | Body Fat Is Associated With Reduced Aortic Stiffness Until Middle Age. Hypertension, 2013, 61, 1322-1327. | 1.3 | 80 |
| 363 | Association of Glypican-4 With Body Fat Distribution, Insulin Resistance, and Nonalcoholic Fatty Liver Disease. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 2897-2901. | 1.8 | 40 |
| 364 | Central Pulse Pressure and Its Hemodynamic Determinants in Middle-Aged Adults With Impaired Fasting Glucose and Diabetes. Diabetes Care, 2013, 36, 2359-2365. | 4.3 | 64 |

| # | Article | IF | Citations |
|---|---|---|---|
| 365 | Absence of Cardiotrophin 1 Is Associated With Decreased Age-Dependent Arterial Stiffness and Increased Longevity in Mice. Hypertension, 2013, 61, 120-129. | 1.3 | 42 |
| 366 | Aortic Distensibility and Extent and Complexity of Coronary Artery Disease in Patients with Stable Hypertensive and Nonhypertensive Coronary Artery Disease. Medical Principles and Practice, 2013, 22, 260-264. | 1.1 | 5 |
| 367 | Supplementation with n3 Fatty Acid Ethyl Esters Increases Large and Small Artery Elasticity in Obese Adults on a Weight Loss Diet. Journal of Nutrition, 2013, 143, 437-441. | 1.3 | 17 |
| 368 | Simplified Definitions of Elevated Pediatric Blood Pressure and High Adult Arterial Stiffness. Pediatrics, 2013, 132, e70-e76. | 1.0 | 44 |
| 369 | Aortic Distensibility and Aortic Intimaâ€Media Thickness in Patients without Clinical Manifestation of Atherosclerotic Cardiovascular Disease. Echocardiography, 2013, 30, 407-413. | 0.3 | 5 |
| 370 | Arterial Stiffness. Pulse, 2013, 1, 14-28. | 0.9 | 91 |
| 371 | Effect of a short-term intermittent exercise-training programme on the pulse wave velocity and arterial pressure: a prospective study among 71 healthy older subjects. International Journal of Clinical Practice, 2013, 67, 420-426. | 0.8 | 25 |
| 372 | 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 |
| 373 | Hypertension guidelines : the need for robust surrogate endpoints of central blood pressure. Hypertension Research, 2013, 36, 87-87. | 1.5 | 1 |
| 374 | Longitudinal Changes in Left Ventricular Stiffness. Circulation: Heart Failure, 2013, 6, 944-952. | 1.6 | 140 |
| 375 | Reduced arterial stiffness in patients with acromegaly: non-invasive assessment by the cardio-ankle vascular index (CAVI). Endocrine Journal, 2013, 60, 29-36. | 0.7 | 14 |
| 376 | Mean Platelet Volume and Its Relation with Arterial Stiffness in Patients with Normotensive Polycystic Kidney Disease. Journal of Investigative Medicine, 2013, 61, 597-603. | 0.7 | 8 |
| 377 | Self-esteem variability predicts arterial stiffness trajectories in healthy adolescent females.. Health Psychology, 2013, 32, 869-876. | 1.3 | 5 |
| 378 | Cardio-Ankle Vascular Index and Its Potential Clinical Implications for Sleep Apnea. Pulse, 2013, 1, 139-142. | 0.9 | 2 |
| 379 | The association between functional and morphological assessments of endothelial function in patients with rheumatoid arthritis: a cross-sectional study. Arthritis Research and Therapy, 2013, 15, R107. | 1.6 | 14 |
| 380 | Increased Selenoprotein P Levels in Subjects with Visceral Obesity and Nonalcoholic Fatty Liver Disease. Diabetes and Metabolism Journal, 2013, 37, 63. | 1.8 | 95 |
| 381 | Vitamin K2 and Bone Quality. Vitamins & Minerals, 0, s6, . | 0.2 | 5 |
| 382 | A Role for Soluble ST2 in Vascular Remodeling Associated with Obesity in Rats. PLoS ONE, 2013, 8, e79176. | 1.1 | 37 |

| # | Article | IF | Citations |
|---|---|---|---|
| 383 | Arterial Stiffness: A Review in Type 2 Diabetes. , 0, , . | | 0 |
| 384 | Blood Pressure Change and the Associated Factors in a Middle-Aged Korean Rural Population: Atherosclerosis Risk of a Rural Area Korean General Population (ARIRANG) Study. Journal of the Korean Society of Hypertension, 2014, 20, 31. | 0.2 | 1 |
| 385 | Relationship between resistant hypertension and arterial stiffness assessed by brachial-ankle pulse wave velocity in the older patient. Clinical Interventions in Aging, 2014, 9, 1495. | 1.3 | 20 |
| 386 | Associations of arterial stiffness and cognitive function with physical fitness in patients with chronic stroke. Journal of Rehabilitation Medicine, 2014, 46, 413-417. | 0.8 | 12 |
| 387 | Acute Effects of Continuous Positive Airway Pressure on Pulse Pressure in Chronic Heart Failure. Arquivos Brasileiros De Cardiologia, 2014, 102, 181-6. | 0.3 | 4 |
| 388 | Arterial Stiffness and Functional Outcome in Acute Ischemic Stroke. Journal of Cerebrovascular and Endovascular Neurosurgery, 2014, 16, 11. | 0.2 | 20 |
| 389 | Lipid Biology and Lymphatic Function: A Dynamic Interplay with Important Physiological and Pathological Consequences. Journal of Clinical & Cellular Immunology, 2014, 05, . | 1.5 | 1 |
| 390 | Aerobic exercise training reduces arterial stiffness in metabolic syndrome. Journal of Applied Physiology, 2014, 116, 1396-1404. | 1.2 | 92 |
| 391 | Advanced glycation end products are associated with arterial stiffness in type 1 diabetes. Journal of Endocrinology, 2014, 221, 405-413. | 1.2 | 54 |
| 392 | Normal weight diabetic patients versus obese diabetics: relation of overall and abdominal adiposity to vascular health. Cardiovascular Diabetology, 2014, 13, 141. | 2.7 | 15 |
| 393 | Arterial Stiffness in COPD. Chest, 2014, 145, 861-875. | 0.4 | 85 |
| 394 | Opposite Predictive Value of Pulse Pressure and Aortic Pulse Wave Velocity on Heart Failure With Reduced Left Ventricular Ejection Fraction. Hypertension, 2014, 63, 105-111. | 1.3 | 82 |
| 395 | Deregulation of adipokines related to target organ damage on resistant hypertension. Journal of Human Hypertension, 2014, 28, 388-392. | 1.0 | 38 |
| 396 | Serial assessment of arterial stiffness by cardio-ankle vascular index for prediction of future cardiovascular events in patients with coronary artery disease. Hypertension Research, 2014, 37, 1014-1020. | 1.5 | 77 |
| 397 | Arterial Stiffening Provides Sufficient Explanation for Primary Hypertension. PLoS Computational Biology, 2014, 10, e1003634. | 1.5 | 42 |
| 398 | Effect of Different Phases of Menstrual Cycle on Reflection Index, Stiffness index and Pulse wave velocity in Healthy subjects. Journal of Clinical and Diagnostic Research JCDR, 2014, 8, BC01-4. | 0.8 | 13 |
| 399 | Association Between Serum Cystatin C Levels and Coronary Slow Flow. Angiology, 2014, 65, 831-837. | 0.8 | 5 |
| 400 | Effect of Aging on Human Circulatory System in Normotensive Healthy Subjects. International Journal of Angiology, 2014, 23, 233-242. | 0.2 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 401 | Localization of relaxin receptors in arteries and veins, and regionâ€specific increases in compliance and bradykininâ€mediated relaxation after in vivo serelaxin treatment. FASEB Journal, 2014, 28, 275-287. | 0.2 | 88 |
| 402 | Increased Aortic Stiffness Predicts Contrast-Induced Nephropathy in Patients With Stable Coronary Artery Disease Undergoing Percutaneous Coronary Intervention. Angiology, 2014, 65, 806-811. | 0.8 | 10 |
| 403 | Vascular Stiffness Is a Biomarker of Global Cardiovascular Risk. Journal of Clinical Hypertension, 2014, 16, 625-626. | 1.0 | 3 |
| 404 | The effect of oxidation on the mechanical response and microstructure of porcine aortas. Journal of Biomedical Materials Research - Part A, 2014, 102, 3255-3262. | 2.1 | 14 |
| 405 | Dose-Dependent Arterial Destiffening and Inward Remodeling After Olmesartan in Hypertensives With Metabolic Syndrome. Hypertension, 2014, 64, 709-716. | 1.3 | 88 |
| 406 | Maternal alcohol consumption in pregnancy enhances arterial stiffness and alters vasodilator function that varies between vascular beds in fetal sheep. Journal of Physiology, 2014, 592, 2591-2603. | 1.3 | 22 |
| 407 | Dichotomous mechanisms of aortic stiffening in high-fat diet fed young and old B6D2F1 mice. Physiological Reports, 2014, 2, e00268. | 0.7 | 21 |
| 408 | Arterial stiffness in patients with COPD: the role of systemic inflammation and the effects of pulmonary rehabilitation. European Respiratory Journal, 2014, 43, 1306-1315. | 3.1 | 69 |
| 409 | Exercise and Dietary Influences on Arterial Stiffness in Cardiometabolic Disease. Hypertension, 2014, 63, 888-893. | 1.3 | 39 |
| 410 | Soluble Adenylyl Cyclase in Vascular Endothelium. Hypertension, 2014, 63, 753-761. | 1.3 | 22 |
| 411 | Association of urinary RBP4 with insulin resistance, inflammation, and microalbuminuria. European Journal of Endocrinology, 2014, 171, 443-449. | 1.9 | 26 |
| 412 | Increased pulse wave velocity and relationship with inflammation, insulin, and insulin resistance in inflammatory bowel disease. European Journal of Gastroenterology and Hepatology, 2014, 26, 725-732. | 0.8 | 28 |
| 413 | Pathophysiology of hypertension. Journal of Hypertension, 2014, 32, 216-224. | 0.3 | 100 |
| 414 | Association of Aging, Arterial Stiffness, and Cardiovascular Disease. Cardiology in Review, 2014, 22, 223-232. | 0.6 | 41 |
| 415 | Ventricularâ€“vascular coupling in hypertension. Journal of Cardiovascular Medicine, 2014, 15, 773-787. | 0.6 | 21 |
| 416 | Arterial Stiffness in Chronic Inflammation. , 2014, , 435-444. | | 1 |
| 417 | Interleukin-2/Anti-Interleukin-2 Immune Complex Expands Regulatory T Cells and Reduces Angiotensin II-Induced Aortic Stiffening. International Journal of Hypertension, 2014, 2014, 1-12. | 0.5 | 26 |
| 418 | Plasma advanced glycation end products (AGEs) and NF-ÎºB activity are independent determinants of diastolic and pulse pressure. Clinical Chemistry and Laboratory Medicine, 2014, 52, 129-38. | 1.4 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 419 | Prospective Relationship of Change in Ideal Cardiovascular Health Status and Arterial Stiffness: The Cardiovascular Risk in Young Finns Study. Journal of the American Heart Association, 2014, 3, e000532. | 1.6 | 82 |
| 420 | Obstructive sleep apnea is associated with increased arterial stiffness in severe obesity. Journal of Sleep Research, 2014, 23, 700-708. | 1.7 | 27 |
| 421 | Effect of Smoking on Common Carotid Artery Wall Elasticity Evaluated by Echo Tracking Technique. Ultrasound in Medicine and Biology, 2014, 40, 643-649. | 0.7 | 10 |
| 422 | Association of Exercise Tolerance with Effective Arterial Elastance Obtained Noninvasively in Patients with Exertional Dyspnea. Journal of the American Society of Echocardiography, 2014, 27, 675-679. | 1.2 | 5 |
| 423 | Effects of Healthy Aging on the Cardiopulmonary Hemodynamic Response to Exercise. American Journal of Cardiology, 2014, 114, 131-135. | 0.7 | 52 |
| 424 | CCISS, Vascular and BP Reg: Canadian space life science research on ISS. Acta Astronautica, 2014, 104, 444-448. | 1.7 | 5 |
| 425 | Carotid Intima Media Thickness and Arterial Stiffness in Children With Acute Rheumatic Fever. Pediatric Cardiology, 2014, 35, 16-21. | 0.6 | 9 |
| 426 | Use of a polysulfone hemodialysis membrane may prevent recurrent posterior reversible encephalopathy syndrome in a patient undergoing hemodialysis. International Urology and Nephrology, 2014, 46, 255-260. | 0.6 | 2 |
| 427 | Reducing methylglyoxal as a therapeutic target for diabetic heart disease. Biochemical Society Transactions, 2014, 42, 523-527. | 1.6 | 8 |
| 428 | Differential mechanical response and microstructural organization between non-human primate femoral and carotid arteries. Biomechanics and Modeling in Mechanobiology, 2014, 13, 1041-1051. | 1.4 | 16 |
| 429 | Papaverine increases human serum albumin glycation. Journal of Biological Physics, 2014, 40, 97-107. | 0.7 | 2 |
| 430 | Arterial stiffness, the brain and cognition: A systematic review. Ageing Research Reviews, 2014, 15, 16-27. | 5.0 | 182 |
| 431 | Arterial Stiffness and Its Clinical Implications in Women. Canadian Journal of Cardiology, 2014, 30, 756-764. | 0.8 | 97 |
| 432 | Regulation of the endothelial barrier function: a filum granum of cellular forces, Rho-GTPase signaling and microenvironment. Cell and Tissue Research, 2014, 355, 557-576. | 1.5 | 35 |
| 433 | The anatomy of the aging aorta. Clinical Anatomy, 2014, 27, 463-466. | 1.5 | 62 |
| 434 | Endothelin-1 but not angiotensin II contributes to functional aging in murine carotid arteries. Life Sciences, 2014, 118, 213-218. | 2.0 | 16 |
| 435 | Imaging small vessel-associated white matter changes in aging. Neuroscience, 2014, 276, 174-186. | 1.1 | 24 |
| 436 | â€œInflammation and arterial stiffness in humansâ€• Atherosclerosis, 2014, 237, 381-390. | 0.4 | 184 |

| # | Article | IF | Citations |
|---|---|---|---|
| 437 | Effect of weight loss on central systolic blood pressure in elderly community-dwelling persons. Hypertension Research, 2014, 37, 933-938. | 1.5 | 18 |
| 438 | Muscle-derived follistatin-like 1 functions to reduce neointimal formation after vascular injury. Cardiovascular Research, 2014, 103, 111-120. | 1.8 | 66 |
| 439 | To compare the effect of Telmisartan with Metoprolol on arterial stiffness in hypertension: Prospective randomized parallel group trial. Indian Heart Journal, 2014, 66, 415-421. | 0.2 | 6 |
| 440 | Haemostatic factors, lipoproteins and long-term mortality in a multi-ethnic population of Gujarati, African-Caribbean and European origin. Atherosclerosis, 2014, 236, 62-72. | 0.4 | 4 |
| 441 | Mitochondrial quality control and age-associated arterial stiffening. Experimental Gerontology, 2014, 58, 78-82. | 1.2 | 55 |
| 442 | Rosuvastatin treatment improves arterial stiffness with lowering blood pressure in healthy hypercholesterolemic patients. International Journal of Cardiology, 2014, 176, 1284-1287. | 0.8 | 12 |
| 443 | Blood Pressure and Arterial Wall Mechanics in Cardiovascular Diseases. , 2014, , . | | 20 |
| 444 | Antioxidant Vitamin Supplementation Reduces Arterial Stiffness in Adults: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. Journal of Nutrition, 2014, 144, 1594-1602. | 1.3 | 36 |
| 445 | Preventing Vascular Effects on Brain Injury and Cognition Late in Life: Knowns and Unknowns. Neuropsychology Review, 2014, 24, 371-387. | 2.5 | 15 |
| 446 | Impact of the AGTR1 A1166C polymorphism on subcortical hyperintensities and cognition in healthy older adults. Age, 2014, 36, 9664. | 3.0 | 9 |
| 447 | Biaxial mechanical properties of the human thoracic and abdominal aorta, common carotid, subclavian, renal and common iliac arteries. Biomechanics and Modeling in Mechanobiology, 2014, 13, 1341-1359. | 1.4 | 74 |
| 448 | Maternal melatonin administration mitigates coronary stiffness and endothelial dysfunction, and improves heart resilience to insult in growth restricted lambs. Journal of Physiology, 2014, 592, 2695-2709. | 1.3 | 50 |
| 449 | F-Actinâ€“Anchored Focal Adhesions Distinguish Endothelial Phenotypes of Human Arteries and Veins. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 2059-2067. | 1.1 | 49 |
| 450 | Mineralocorticoid receptor antagonist in heart failure: Past, present and future perspectives. International Journal of Cardiology Heart & Vessels, 2014, 3, 6-14. | 0.5 | 21 |
| 451 | Passive biaxial mechanical properties and in vivo axial pre-stretch of the diseased human femoropopliteal and tibial arteries. Acta Biomaterialia, 2014, 10, 1301-1313. | 4.1 | 52 |
| 452 | Functional heterogeneity of NADPH oxidase-mediated contractions to endothelin with vascular aging. Life Sciences, 2014, 118, 226-231. | 2.0 | 13 |
| 453 | Adiponectin is better predictor of subclinical atherosclerosis than liver function tests in patients with nonalcoholic fatty liver disease. Journal of the American Society of Hypertension, 2014, 8, 376-380. | 2.3 | 12 |
| 454 | Cardiac and pulmonary benefits of forest walking versus city walking in elderly women: A randomised, controlled, open-label trial. European Journal of Integrative Medicine, 2014, 6, 5-11. | 0.8 | 84 |

| # | Article | IF | Citations |
|---|---|---|---|
| 455 | Long Sleep Duration Associated With a Higher Risk of Increased Arterial Stiffness in Males. Sleep, 2014, 37, 1315-1320. | 0.6 | 44 |
| 456 | <scp>Câ€R</scp>eactive protein and soluble intracellular adhesion moleculeâ€1 are related to pulse wave reflection in type 1 diabetes åœ¨åž‹ç³–å°¿ç—…ä¸<scp>C</scp>â€åå”è›‹ç™½ä»¥åŠå•æ°¶æ€§ç»†èƒžé—´é»™é™„åˆ†å1ä¸Žè„‰æ | 0.8 | 3 |
| 457 | Pulse Pressure and Cognitive Decline in Stroke Patients With White Matter Changes. Journal of Clinical Hypertension, 2015, 17, 694-698. | 1.0 | 18 |
| 458 | Soluble urokinase plasminogen activator receptor and hypertension among black South Africans after 5 years. Hypertension Research, 2015, 38, 439-444. | 1.5 | 10 |
| 459 | Vascular Dysfunction: A Key Player in Chronic Cardio-renal Syndrome. Internal Medicine, 2015, 54, 1465-1472. | 0.3 | 16 |
| 460 | Arterial Stiffness in Children: Pediatric Measurement and Considerations. Pulse, 2014, 2, 69-80. | 0.9 | 40 |
| 461 | 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 |
| 462 | Correlates of aortic stiffness progression in patients with resistant hypertension. Journal of Hypertension, 2015, 33, 827-835. | 0.3 | 15 |
| 463 | 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 |
| 464 | Long term trends in control of hypertension in the Northern Sweden MONICA study 1986â€“2009. BMC Public Health, 2015, 15, 957. | 1.2 | 15 |
| 465 | The value of aortic pulse wave velocity in predicting coronary artery disease diagnosis and severity. Acta Cardiologica, 2015, 70, 315-322. | 0.3 | 13 |
| 466 | Association between serum uric acid, aortic, carotid and femoral stiffness among adults aged 40â€“75 years without and with type 2 diabetes mellitus. Journal of Hypertension, 2015, 33, 1642-1650. | 0.3 | 16 |
| 467 | The effect of aldosterone-antagonist therapy on aortic elastic properties in patients with nonischemic dilated cardiomyopathy. Journal of Cardiovascular Medicine, 2015, 16, 597-602. | 0.6 | 19 |
| 468 | Evaluation of the ambulatory arterial stiffness index in patients with rheumatoid arthritis. Blood Pressure Monitoring, 2015, 20, 254-259. | 0.4 | 5 |
| 469 | Increased arterial stiffness and its relationship with inflammation, insulin, and insulin resistance in celiac disease. European Journal of Gastroenterology and Hepatology, 2015, 27, 1193-1199. | 0.8 | 23 |
| 470 | 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 |
| 471 | PCOS and Metabolic Syndrome: The Worrisome Twosome?. Endocrinology & Metabolic Syndrome: Current Research, 2015, 04, . | 0.3 | 2 |
| 472 | Circulating Anti-Elastin Antibody Levels and Arterial Disease Characteristics: Associations with Arterial Stiffness and Atherosclerosis. Yonsei Medical Journal, 2015, 56, 1545. | 0.9 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 473 | Addition of a renin-angiotensin-aldosterone system inhibitor to a calcium channel blocker ameliorates arterial stiffness. Clinical Pharmacology: Advances and Applications, 2015, 7, 97. | 0.8 | 4 |
| 474 | Different Impacts of Cardiovascular Risk Factors on Arterial Stiffness versus Arterial Wall Thickness in Japanese Patients with Type 2 Diabetes Mellitus. Journal of Atherosclerosis and Thrombosis, 2015, 22, 971-980. | 0.9 | 11 |
| 475 | Collagen Inhibitory Peptide R1R2 Mediates Vascular Remodeling by Decreasing Inflammation and Smooth Muscle Cell Activation. PLoS ONE, 2015, 10, e0117356. | 1.1 | 13 |
| 476 | FGF-23/Vitamin D Axis in Type 1 Diabetes: The Potential Role of Mineral Metabolism in Arterial Stiffness. PLoS ONE, 2015, 10, e0140222. | 1.1 | 19 |
| 477 | Modular Small Diameter Vascular Grafts with Bioactive Functionalities. PLoS ONE, 2015, 10, e0133632. | 1.1 | 35 |
| 478 | Abnormalities associated with progressive aortic vascular dysfunction in chronic kidney disease. Frontiers in Physiology, 2015, 6, 150. | 1.3 | 9 |
| 479 | The Association of Endothelin-1 with Markers of Arterial Stiffness in Black South African Women: The SABPA Study. Journal of Amino Acids, 2015, 2015, 1-8. | 5.8 | 10 |
| 480 | Therapeutic modification of arterial stiffness: An update and comprehensive review. World Journal of Cardiology, 2015, 7, 742. | 0.5 | 51 |
| 481 | Vitamin D and risk of CVD: a review of the evidence. Proceedings of the Nutrition Society, 2015, 74, 245-257. | 0.4 | 25 |
| 482 | Arterial stiffness and increased cardiovascular risk in chronic kidney disease. International Urology and Nephrology, 2015, 47, 1157-1164. | 0.6 | 21 |
| 483 | Measurement of arterial stiffness in subjects with and without renal disease: Are changes in the vessel wall earlier and more sensitive markers of cardiovascular disease than intima media thickness and pulse pressure?. Indian Journal of Nephrology, 2015, 25, 21. | 0.2 | 4 |
| 484 | Evaluating peripheral arterial volume distensibility by photoacoustic microscopy. Proceedings of SPIE, 2015, , . | 0.8 | 0 |
| 485 | The Mechanobiology of Aging. Annual Review of Biomedical Engineering, 2015, 17, 113-141. | 5.7 | 216 |
| 486 | Contribution of Rare and Common Genetic Variants to Plasma Lipid Levels and Carotid Stiffness and Geometry. Circulation: Cardiovascular Genetics, 2015, 8, 628-636. | 5.1 | 21 |
| 487 | Physical Activity Measured by Accelerometry and its Associations With Cardiac Structure and Vascular Function in Young and Middleâ€Aged Adults. Journal of the American Heart Association, 2015, 4, e001528. | 1.6 | 66 |
| 488 | Effects of spironolactone on ventricular-arterial coupling in patients with chronic systolic heart failure and mild symptoms. Clinical Research in Cardiology, 2015, 104, 1078-1087. | 1.5 | 16 |
| 489 | Targeting Blood Pressure Lowering and the Sympathetic Nervous System. , 2015, , 287-296. | | 0 |
| 490 | Elastin aging and lipid oxidation products in human aorta. Redox Biology, 2015, 4, 109-117. | 3.9 | 46 |

| # | Article | IF | Citations |
|---|---|---|---|
| 491 | Effect of exercise-based cardiac rehabilitation on arterial stiffness and inflammatory and endothelial dysfunction biomarkers: A randomized controlled trial of myocardial infarction patients. Atherosclerosis, 2015, 239, 150-157. | 0.4 | 27 |
| 492 | Increased Arterial Blood Pressure and Vascular Remodeling in Mice Lacking Salt-Inducible Kinase 1 (SIK1). Circulation Research, 2015, 116, 642-652. | 2.0 | 36 |
| 493 | Impact of l-citrulline supplementation and whole-body vibration training on arterial stiffness and leg muscle function in obese postmenopausal women with high blood pressure. Experimental Gerontology, 2015, 63, 35-40. | 1.2 | 47 |
| 494 | Role of sirtuins in chronic obstructive pulmonary disease. Archives of Pharmacal Research, 2015, 38, 1-10. | 2.7 | 46 |
| 495 | Effect of early exercise engagement on arterial stiffness in patients diagnosed with a transient ischaemic attack. Journal of Human Hypertension, 2015, 29, 87-91. | 1.0 | 11 |
| 496 | Time-Dependent Effects of Aspirin on Blood Pressure and Morning Platelet Reactivity. Hypertension, 2015, 65, 743-750. | 1.3 | 62 |
| 497 | Salt controls endothelial and vascular phenotype. Pflugers Archiv European Journal of Physiology, 2015, 467, 499-512. | 1.3 | 40 |
| 498 | Thrombosis in the Uremic Milieuâ€"Emerging Role of â€œThrombomeâ€• Seminars in Dialysis, 2015, 28, 198-205. | 0.7 | 36 |
| 499 | Aldosterone Levels, Aortic Stiffness, and Wave Reflection in Essential Hypertensive Patients. American Journal of Hypertension, 2015, 28, 852-857. | 1.0 | 10 |
| 500 | Plasma soluble vascular adhesion protein-1 concentration correlates with arterial stiffness: A cross-sectional study. Archives of Gerontology and Geriatrics, 2015, 61, 67-71. | 1.4 | 5 |
| 501 | Differential effects of relaxin deficiency on vascular aging in arteries of male mice. Age, 2015, 37, 9803. | 3.0 | 14 |
| 502 | Aortic perivascular adipose-derived interleukin-6 contributes to arterial stiffness in low-density lipoprotein receptor deficient mice. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H1382-H1390. | 1.5 | 43 |
| 503 | Low-Dose Mineralocorticoid Receptor Blockade Prevents Western Dietâ€"Induced Arterial Stiffening in Female Mice. Hypertension, 2015, 66, 99-107. | 1.3 | 125 |
| 504 | 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 |
| 505 | Regional variations in the relationship between arterial stiffness and adipocyte volume or number in obese subjects. International Journal of Obesity, 2015, 39, 222-227. | 1.6 | 28 |
| 506 | The Structural Factor of Hypertension. Circulation Research, 2015, 116, 1007-1021. | 2.0 | 383 |
| 507 | Future Treatment of Hypertension: Shifting the Focus from Blood Pressure Lowering to Arterial Stiffness Modulation?. Current Hypertension Reports, 2015, 17, 67. | 1.5 | 24 |
| 508 | Extracellular matrix stiffness modulates VEGF calcium signaling in endothelial cells: individual cell and population analysis. Integrative Biology (United Kingdom), 2015, 7, 1011-1025. | 0.6 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 509 | A prospective study on pulse wave velocity (PWV) and response to anti-hypertensive treatments. International Journal of Cardiology, 2015, 178, 226-231. | 0.8 | 21 |
| 510 | Exercise Capacity and Aging. American Journal of Lifestyle Medicine, 2015, 9, 252-265. | 0.8 | 6 |
| 511 | Age-related vascular stiffening: causes and consequences. Frontiers in Genetics, 2015, 06, 112. | 1.1 | 273 |
| 512 | Vascular Impact of Metabolic Syndrome in Subjects with Normal Weight, Overweight, or Obesity: Is Normal Weight Sufficient for Vascular Health?. Journal of the American College of Nutrition, 2015, 34, 515-520. | 1.1 | 3 |
| 513 | Association between brachial-ankle pulse wave velocity and the ratio of l-arginine to asymmetric dimethylarginine in patients undergoing coronary angiography. Journal of Cardiology, 2015, 65, 311-317. | 0.8 | 8 |
| 514 | Review of â€˜the potential role of arterial stiffness in the pathogenesis of Alzheimer's diseaseâ€™. Neurodegenerative Disease Management, 2015, 5, 121-135. | 1.2 | 75 |
| 515 | Effects of exercise training on arterial stiffness in older hypertensive females. European Journal of Applied Physiology, 2015, 115, 1847-1854. | 1.2 | 30 |
| 516 | Cumulative inflammatory burden is independently associated with increased arterial stiffness in patients with psoriatic arthritis: a prospective study. Arthritis Research and Therapy, 2015, 17, 75. | 1.6 | 40 |
| 517 | Assessment of vascular function in individuals with hyperglycemia: a cross-sectional study of glucose â€“ induced changes in digital volume pulse. Journal of Diabetes and Metabolic Disorders, 2015, 14, 23. | 0.8 | 9 |
| 518 | Spinal NF-ÎºB and Chemokine Ligand 5 Expression during Spinal Glial Cell Activation in a Neuropathic Pain Model. PLoS ONE, 2015, 10, e0115120. | 1.1 | 35 |
| 519 | MicroRNA-765 influences arterial stiffness through modulating apelin expression. Molecular and Cellular Endocrinology, 2015, 411, 11-19. | 1.6 | 25 |
| 520 | Prognostic Value of Brachialâ€“Ankle Pulse Wave Velocity in Patients With Takayasu Arteritis With Drugâ€Eluting Stent Implantation. Arthritis Care and Research, 2015, 67, 1150-1157. | 1.5 | 14 |
| 521 | Between Rho(k) and a Hard Place. Circulation Research, 2015, 116, 895-908. | 2.0 | 148 |
| 522 | Volume Overload in CKD: Pathophysiology, Assessment Techniques, Consequences and Treatment. , 2015, , 119-144. | | 1 |
| 523 | The Glymphatic System: A Beginnerâ€™s Guide. Neurochemical Research, 2015, 40, 2583-2599. | 1.6 | 1,266 |
| 524 | The effect of prophylactic migraine treatment on arterial stiffness. Blood Pressure, 2015, 24, 222-229. | 0.7 | 7 |
| 525 | Cocoa consumption dose-dependently improves flow-mediated dilation and arterial stiffness decreasing blood pressure in healthy individuals. Journal of Hypertension, 2015, 33, 294-303. | 0.3 | 91 |
| 526 | Vascular effects of dietary salt. Current Opinion in Nephrology and Hypertension, 2015, 24, 8-13. | 1.0 | 68 |

| # | Article | IF | Citations |
|---|---|---|---|
| 527 | Diagnostic and therapeutic problems of isolated systolic hypertension. Journal of Hypertension, 2015, 33, 33-43. | 0.3 | 19 |
| 528 | Arterial Disorders. , 2015, , . | | 2 |
| 529 | Prostanoid-mediated contractions of the carotid artery become Nox2-independent with aging. Age, 2015, 37, 9806. | 3.0 | 7 |
| 530 | Recommendations for Improving and Standardizing Vascular Research on Arterial Stiffness. Hypertension, 2015, 66, 698-722. | 1.3 | 1,073 |
| 531 | The role of pulmonary arterial stiffness in COPD. Respiratory Medicine, 2015, 109, 1381-1390. | 1.3 | 46 |
| 532 | Arterial stiffness indexes and serum cytokine levels in seronegative spondyloarthritis: relationships between stiffness markers and metabolic and immunoinflammatory variables. Scandinavian Journal of Rheumatology, 2015, 44, 474-479. | 0.6 | 13 |
| 533 | Cardio-ankle vascular index (CAVI) differentiates pharmacological properties of vasodilators nicardipine and nitroglycerin in anesthetized rabbits. Journal of Pharmacological Sciences, 2015, 128, 185-192. | 1.1 | 17 |
| 534 | Insights on atherosclerosis by non-invasive assessment of wall stress and arterial morphology along the length of human coronary plaques. International Journal of Cardiovascular Imaging, 2015, 31, 1627-1633. | 0.7 | 5 |
| 535 | M2 macrophage accumulation in the aortic wall during angiotensin II infusion in mice is associated with fibrosis, elastin loss, and elevated blood pressure. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H906-H917. | 1.5 | 109 |
| 536 | Nighttime Blood Pressure Patterns and Subclinical Atherosclerosis in Women with Systemic Lupus Erythematosus. Journal of Rheumatology, 2015, 42, 2310-2317. | 1.0 | 19 |
| 538 | Macrovascular disease: pathogenesis and risk assessment. Medicine, 2015, 43, 1-6. | 0.2 | 2 |
| 539 | Effect of combined aerobic and resistance training versus aerobic training on arterial stiffness. International Journal of Cardiology, 2015, 178, 69-76. | 0.8 | 50 |
| 540 | Enhancing the Pulse Contour Analysis-Based Arterial Stiffness Estimation Using a Novel Photoplethysmographic Parameter. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 256-262. | 3.9 | 15 |
| 541 | Early intervention of long-acting nifedipine GITS reduces brachial–ankle pulse wave velocity and improves arterial stiffness in Chinese patients with mild hypertension: a 24-week, single-arm, open-label, prospective study. Drug Design, Development and Therapy, 2016, Volume 10, 3399-3406. | 2.0 | 2 |
| 542 | Effect of nitroglycerin administration on cardio-ankle vascular index. Vascular Health and Risk Management, 2016, Volume 12, 313-319. | 1.0 | 20 |
| 543 | Using Korotkoff Sounds to Detect the Degree of Vascular Compliance in Different Age Groups. Journal of Clinical and Diagnostic Research JCDR, 2016, 10, CC04-7. | 0.8 | 3 |
| 544 | Effects of Regular Moderate Exercise on Arterial Stiffness and PTX3 Protein and Some Cardiac Parameters. Studies on Ethno-Medicine, 2016, 10, 288-294. | 0.1 | 0 |
| 545 | Differential Mitochondrial Adaptation in Primary Vascular Smooth Muscle Cells from a Diabetic Rat Model. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-15. | 1.9 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 546 | NAFLD and Increased Aortic Stiffness: Parallel or Common Physiopathological Mechanisms?. International Journal of Molecular Sciences, 2016, 17, 460. | 1.8 | 33 |
| 547 | Brachial-Ankle PWV: Current Status and Future Directions as a Useful Marker in the Management of Cardiovascular Disease and/or Cardiovascular Risk Factors. Journal of Atherosclerosis and Thrombosis, 2016, 23, 128-146. | 0.9 | 80 |
| 548 | Arterial stiffness in patients with coronary artery disease: relation with in-stent restenosis following percutaneous coronary intervention. BMC Cardiovascular Disorders, 2016, 16, 128. | 0.7 | 10 |
| 549 | Pulse Wave Velocity at Early Adulthood: Breastfeeding and Nutrition during Pregnancy and Childhood. PLoS ONE, 2016, 11, e0152501. | 1.1 | 5 |
| 550 | Arterial stiffness in inflammatory bowel disease. Journal of Hypertension, 2016, 34, 822-829. | 0.3 | 42 |
| 551 | Difference in Aortic Stiffness Between Treated Middle-Aged HIV Type 1â€“Infected and Uninfected Individuals Largely Explained by Traditional Cardiovascular Risk Factors, With an Additional Contribution of Prior Advanced Immunodeficiency. Journal of Acquired Immune Deficiency Syndromes (1999), 2016, 73, 55-62. | 0.9 | 17 |
| 552 | The Relationship Between Cardiorespiratory Fitness and Aortic Stiffness in Women with Central Obesity. Journal of Women's Health, 2016, 25, 680-686. | 1.5 | 9 |
| 553 | Extracellular Matrix Stiffness Controls VEGF Signaling and Processing in Endothelial Cells. Journal of Cellular Physiology, 2016, 231, 2026-2039. | 2.0 | 70 |
| 554 | Clinical significance of pulse pressure in patients with heart failure with preserved left ventricular ejection fraction. European Journal of Heart Failure, 2016, 18, 1353-1361. | 2.9 | 31 |
| 555 | Ageing, metabolism and cardiovascular disease. Journal of Physiology, 2016, 594, 2061-2073. | 1.3 | 311 |
| 556 | Arterial stiffness of lifelong Japanese female pearl divers. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R975-R978. | 0.9 | 18 |
| 557 | Therapeutic Modulation of Aortic Stiffness. American Journal of Therapeutics, 2016, 23, e1644-e1653. | 0.5 | 9 |
| 558 | AGE-RAGE signal generates a specific NF-ÎºB RelA â€œbarcodeâ€•that directs collagen I expression. Scientific Reports, 2016, 6, 18822. | 1.6 | 34 |
| 559 | The Pathophysiological Role of NOX2 in Hypertension and Organ Damage. High Blood Pressure and Cardiovascular Prevention, 2016, 23, 355-364. | 1.0 | 21 |
| 560 | Association between blood viscosity andÂcommon carotid artery elasticity. Clinical Hemorheology and Microcirculation, 2016, 62, 55-62. | 0.9 | 10 |
| 561 | Impact of glycemic control with sitagliptin on the 2-year progression of arterial stiffness: a sub-analysis of the PROLOGUE study. Cardiovascular Diabetology, 2016, 15, 150. | 2.7 | 15 |
| 562 | Results and lessons from the Spironolactone To Prevent Cardiovascular Events in Early Stage Chronic Kidney Disease (STOP-CKD) randomised controlled trial. BMJ Open, 2016, 6, e010519. | 0.8 | 16 |
| 563 | An inverse approach to determining spatially varying arterial compliance using ultrasound imaging. Physics in Medicine and Biology, 2016, 61, 5486-5507. | 1.6 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 564 | Application of a new four-channel vibrometer for determination of atherosclerosis: Further advances towards a handheld device. , 2016, , . | | 0 |
| 565 | Elevated estimated arterial age is associated with metabolic syndrome and low-grade inflammation. Journal of Hypertension, 2016, 34, 2410-2417. | 0.3 | 14 |
| 568 | Gene and dietary calcium interaction effects on brachialâ€“ankle pulse wave velocity. Clinical Nutrition, 2016, 35, 1127-1134. | 2.3 | 5 |
| 569 | Hypertension in the Emergency Department. Current Hypertension Reports, 2016, 18, 37. | 1.5 | 7 |
| 570 | Relationship between sleep duration and arterial stiffness in a multi-ethnic population: The HELIUS study. Chronobiology International, 2016, 33, 543-552. | 0.9 | 15 |
| 571 | Linking systemic arterial stiffness among adolescents to adverse childhood experiences. Child Abuse and Neglect, 2016, 56, 1-10. | 1.3 | 34 |
| 572 | Cellular Senescence and Vascular Disease: Novel Routes to Better Understanding and Therapy. Canadian Journal of Cardiology, 2016, 32, 612-623. | 0.8 | 71 |
| 573 | Regular Exercise Reduces Endothelial Cortical Stiffness in Western Dietâ€“Fed Female Mice. Hypertension, 2016, 68, 1236-1244. | 1.3 | 32 |
| 574 | 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 |
| 575 | Thrombospondin-1 signaling through CD47 inhibits cell cycle progression and induces senescence in endothelial cells. Cell Death and Disease, 2016, 7, e2368-e2368. | 2.7 | 79 |
| 576 | Effect of omega-3 fatty acid supplementation on arterial elasticity in patients with familial hypercholesterolaemia on statin therapy. Nutrition, Metabolism and Cardiovascular Diseases, 2016, 26, 1140-1145. | 1.1 | 19 |
| 577 | Rigid and remodelled: cerebrovascular structure and function after experimental highâ€thoracic spinal cord transection. Journal of Physiology, 2016, 594, 1677-1688. | 1.3 | 29 |
| 578 | Arterial Stiffness in the Depression and Cardiovascular Comorbidity. , 2016, , 187-194. | | 0 |
| 579 | Carotid stiffness is associated with impairment of cognitive performance in individuals with and without type 2 diabetes. The Maastricht Study. Atherosclerosis, 2016, 253, 186-193. | 0.4 | 42 |
| 580 | Body Weight and Not Exercise Capacity Determines Central Systolic Blood Pressure, a Surrogate for Arterial Stiffness, in Children and Adolescents. Journal of Clinical Hypertension, 2016, 18, 762-765. | 1.0 | 13 |
| 581 | Skin Autofluorescence and Pentosidine Are Associated With Aortic Stiffening. Hypertension, 2016, 68, 956-963. | 1.3 | 46 |
| 582 | The impact of intervention strategies that target arterial stiffness in end-stage renal disease: a systematic review protocol. Systematic Reviews, 2016, 5, 118. | 2.5 | 6 |
| 583 | Vector Cardiogram Theory and Clinical Application. , 2016, , 231-246. | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 584 | Adverse vascular remodelling is more sensitive than endothelial dysfunction to hyperglycaemia in diabetic rat mesenteric arteries. Pharmacological Research, 2016, 111, 325-335. | 3.1 | 26 |
| 585 | Pharmacological evaluation of novel alagebrium analogs as methylglyoxal scavengers in vitro in cardiac myocytes and in vivo in SD rats. International Journal of Cardiology, 2016, 223, 581-589. | 0.8 | 7 |
| 586 | Elevated Adiponectin Levels Suppress Perivascular and Aortic Inflammation and Prevent AngII-induced Advanced Abdominal Aortic Aneurysms. Scientific Reports, 2016, 6, 31414. | 1.6 | 15 |
| 587 | Role of Omega-3 Fatty Acids in Metabolic Syndrome. , 2016, , 189-202. | | 0 |
| 588 | Nicotinamide mononucleotide supplementation reverses vascular dysfunction and oxidative stress with aging in mice. Aging Cell, 2016, 15, 522-530. | 3.0 | 280 |
| 589 | Vascular Smooth Muscle Sirtuin-1 Protects Against Diet-Induced Aortic Stiffness. Hypertension, 2016, 68, 775-784. | 1.3 | 74 |
| 590 | The Crisis of Vascular Disease and the Journey to Vascular Health. Circulation, 2016, 133, 2593-2598. | 1.6 | 10 |
| 591 | Microbial short chain fatty acid metabolites lower blood pressure via endothelial G protein-coupled receptor 41. Physiological Genomics, 2016, 48, 826-834. | 1.0 | 299 |
| 592 | Excess Pressure Integral Predicts Long-Term All-Cause Mortality in Stable Heart Failure Patients. American Journal of Hypertension, 2017, 30, 271-278. | 1.0 | 11 |
| 593 | Skeleton-based cerebrovascular quantitative analysis. BMC Medical Imaging, 2016, 16, 68. | 1.4 | 7 |
| 594 | 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 |
| 595 | Can arterial wave augmentation in young adults help account for variability of cardiovascular risk in different British ethnic groups?. Journal of Hypertension, 2016, 34, 2220-2226. | 0.3 | 8 |
| 596 | Association of glucose homeostasis measures with heart rate variability among Hispanic/Latino adults without diabetes: the Hispanic Community Health Study/Study of Latinos (HCHS/SOL). Cardiovascular Diabetology, 2016, 15, 45. | 2.7 | 32 |
| 597 | Modulation of the sympathetic nervous system by renal denervation prevents reduction of aortic distensibility in atherosclerosis prone ApoE-deficient rats. Journal of Translational Medicine, 2016, 14, 167. | 1.8 | 12 |
| 598 | Predictive Value of Arterial Stiffness and Subclinical Carotid Atherosclerosis for Cardiovascular Disease in Patients with Rheumatoid Arthritis. Journal of Rheumatology, 2016, 43, 1622-1630. | 1.0 | 49 |
| 599 | The Effect of Regional Analgesia on Vascular Tone in Hip Arthroplasty Patients. HSS Journal, 2016, 12, 125-131. | 0.7 | 4 |
| 600 | Mechanical heterogeneities in the subendothelial matrix develop with age and decrease with exercise. Journal of Biomechanics, 2016, 49, 1447-1453. | 0.9 | 29 |
| 601 | Gender, race, age, and regional differences in the association of pulse pressure with atrial fibrillation: the Reasons for Geographic and Racial Differences in Stroke study. Journal of the American Society of Hypertension, 2016, 10, 625-632.e1. | 2.3 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 602 | Carotid endothelial shear stress reduction with aging is associated with plaque development in twelve years. Atherosclerosis, 2016, 251, 63-69. | 0.4 | 35 |
| 603 | Aortic stiffness increases in proportion to the severity of apnoeaâ€“hypopnea index in patients with obstructive sleep apnoea syndrome. Clinical Respiratory Journal, 2016, 10, 455-461. | 0.6 | 8 |
| 604 | Arterial stiffness and sedentary lifestyle: Role of oxidative stress. Vascular Pharmacology, 2016, 79, 1-5. | 1.0 | 45 |
| 605 | Relationships between sleep apnea, cardiovascular disease risk factors, and aortic pulse wave velocity over 18 years: the Wisconsin Sleep Cohort. Sleep and Breathing, 2016, 20, 813-817. | 0.9 | 11 |
| 606 | Aorta calcification burden: Towards an integrative predictor of cardiac outcome after transcatheter aortic valve implantation. Atherosclerosis, 2016, 246, 161-168. | 0.4 | 21 |
| 607 | Correlation between cardio-ankle vascular index and biomarkers of oxidative stress. Scandinavian Journal of Clinical and Laboratory Investigation, 2016, 76, 105-111. | 0.6 | 5 |
| 608 | Correlates of Segmental Pulse Wave Velocity in Older Adults: The Atherosclerosis Risk in Communities (ARIC) Study. American Journal of Hypertension, 2016, 29, 114-122. | 1.0 | 76 |
| 609 | Investigating a Liver Fat. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 198-203. | 1.1 | 20 |
| 610 | Inhibition of Atherosclerosis Progression, Intimal Hyperplasia, and Oxidative Stress by Simvastatin and Ivabradine May Reduce Thoracic Aortaâ€™s Stiffness in Hypercholesterolemic Rabbits. Journal of Cardiovascular Pharmacology and Therapeutics, 2016, 21, 412-422. | 1.0 | 6 |
| 611 | A comparison study of optical coherence elastography and laser Michelson vibrometry. Proceedings of SPIE, 2016, , . | 0.8 | 0 |
| 612 | Tau pathology-dependent remodelling of cerebral arteries precedes Alzheimerâ€™s disease-related microvascular cerebral amyloid angiopathy. Acta Neuropathologica, 2016, 131, 737-752. | 3.9 | 84 |
| 613 | 4D flow MRI for intracranial hemodynamics assessment in Alzheimerâ€™s disease. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 1718-1730. | 2.4 | 77 |
| 614 | Clinical Phenotypes in Heart Failure With Preserved Ejection Fraction. Journal of the American Heart Association, 2016, 5, . | 1.6 | 97 |
| 615 | Decreased visceral fat area correlates with improved arterial stiffness after Roux-en-Y gastric bypass in Chinese obese patients with type 2 diabetes mellitus: a 12-month follow-up. Surgery for Obesity and Related Diseases, 2016, 12, 550-555. | 1.0 | 14 |
| 616 | Effect of antihypertensive treatment at different blood pressure levels in patients with diabetes mellitus: systematic review and meta-analyses. BMJ, The, 2016, 352, i717. | 3.0 | 288 |
| 617 | Plasma Proteins Modified by Advanced Glycation End Products (AGEs) Reveal Site-specific Susceptibilities to Glycemic Control in Patients with Type 2 Diabetes. Journal of Biological Chemistry, 2016, 291, 9610-9616. | 1.6 | 30 |
| 618 | Increased postflight carotid artery stiffness and inflight insulin resistance resulting from 6-mo spaceflight in male and female astronauts. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H628-H638. | 1.5 | 145 |
| 619 | The two faces of hypertension: role of aortic stiffness. Journal of the American Society of Hypertension, 2016, 10, 175-183. | 2.3 | 55 |

| # | Article | IF | Citations |
|---|---|---|---|
| 620 | Pulmonary Arterial Stiffness: Toward a New Paradigm in Pulmonary Arterial Hypertension Pathophysiology and Assessment. Current Hypertension Reports, 2016, 18, 4. | 1.5 | 51 |
| 621 | Physical activity is associated with lower arterial stiffness in older adults: results of the SAPALDIA 3 Cohort Study. European Journal of Epidemiology, 2016, 31, 275-285. | 2.5 | 45 |
| 622 | Neuromarkers of the common angiotensinogen polymorphism in healthy older adults: A comprehensive assessment of white matter integrity and cognition. Behavioural Brain Research, 2016, 296, 85-93. | 1.2 | 11 |
| 623 | Renal sympathetic denervation in uncontrolled arterial hypertension after successful repair for aortic coarctation. International Journal of Cardiology, 2016, 202, 322-327. | 0.8 | 1 |
| 624 | Effects of Resistance Training With and Without Caloric Restriction on Arterial Stiffness in Overweight and Obese Older Adults. American Journal of Hypertension, 2016, 29, 494-500. | 1.0 | 20 |
| 625 | Pulse wave velocity correlates with aortic atherosclerosis assessed with transesophageal echocardiography. Journal of Human Hypertension, 2016, 30, 90-94. | 1.0 | 7 |
| 626 | Central and peripheral blood pressures in relation to plasma advanced glycation end products in a Chinese population. Journal of Human Hypertension, 2016, 30, 430-435. | 1.0 | 9 |
| 627 | Hypertension, Diabetes Type II, and Their Association: Role of Arterial Stiffness. American Journal of Hypertension, 2016, 29, 5-13. | 1.0 | 70 |
| 628 | Age Dependence of Arterial Pulse Wave Parameters Extracted From Dynamic Blood Pressure and Blood Volume Pulse Waves. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 142-149. | 3.9 | 24 |
| 629 | Pulse Wave Velocity in Kawasaki Disease. Angiology, 2017, 68, 189-195. | 0.8 | 4 |
| 630 | Relationship between FEV1 and arterial stiffness in elderly people with chronic obstructive pulmonary disease. Aging Clinical and Experimental Research, 2017, 29, 157-164. | 1.4 | 20 |
| 631 | Chronic stress and Rosiglitazone increase indices of vascular stiffness in male rats. Physiology and Behavior, 2017, 172, 16-23. | 1.0 | 18 |
| 632 | Reduced common carotid artery longitudinal wall motion and intramural shear strain in individuals with elevated cardiovascular disease risk using speckle tracking. Clinical Physiology and Functional Imaging, 2017, 37, 106-116. | 0.5 | 34 |
| 633 | NANOG Restores Contractility of Mesenchymal Stem Cell-Based Senescent Microtissues. Tissue Engineering - Part A, 2017, 23, 535-545. | 1.6 | 18 |
| 634 | Associations of Objectively Measured Physical Activity and Sedentary Time With Arterial Stiffness in Pre-Pubertal Children. Pediatric Exercise Science, 2017, 29, 326-335. | 0.5 | 15 |
| 635 | Associations among oxidative stress, Lp-PLA 2 activity and arterial stiffness according to blood pressure status at a 3.5-year follow-up in subjects with prehypertension. Atherosclerosis, 2017, 257, 179-185. | 0.4 | 18 |
| 636 | Age differences in arterial and venous extra-cerebral blood flow in healthy adults: contributions of vascular risk factors and genetic variants. Brain Structure and Function, 2017, 222, 2641-2653. | 1.2 | 5 |
| 637 | Twentyâ€Fiveâ€Year Alcohol Consumption Trajectories and Their Association With Arterial Aging: A Prospective Cohort Study. Journal of the American Heart Association, 2017, 6, . | 1.6 | 41 |

| # | Article | IF | Citations |
|---|---|---|---|
| 638 | Optimizing fMRI preprocessing pipelines for block-design tasks as a function of age. NeuroImage, 2017, 154, 240-254. | 2.1 | 23 |
| 639 | Nitrate and Nitrite in Aging and Age-Related Disease. , 2017, , 259-277. | | 2 |
| 640 | Tissue Transglutaminase Modulates Vascular Stiffness and Function Through Crosslinkingâ€Dependent and Crosslinkingâ€Independent Functions. Journal of the American Heart Association, 2017, 6, . | 1.6 | 55 |
| 641 | Do Advanced Glycation End Products and Its Receptor Play a Role in Pathophysiology of Hypertension?. International Journal of Angiology, 2017, 26, 001-011. | 0.2 | 54 |
| 642 | Low dose prednisolone and insulin sensitivity differentially affect arterial stiffness and endothelial function: An open interventional and cross-sectional study. Atherosclerosis, 2017, 258, 34-39. | 0.4 | 12 |
| 643 | The Aging Cardiovascular System. Journal of the American College of Cardiology, 2017, 69, 1952-1967. | 1.2 | 400 |
| 644 | Longitudinal Study of Hypertensive Subjects With Type 2 Diabetes Mellitus. Hypertension, 2017, 69, 1029-1035. | 1.3 | 16 |
| 645 | Blood pressure treatment levels and choice of antihypertensive agent in people with diabetes mellitus. Journal of Hypertension, 2017, 35, 453-462. | 0.3 | 21 |
| 646 | Ethnic differences regarding arterial stiffness of 6â€8â€year-old black and white boys. Journal of Hypertension, 2017, 35, 960-967. | 0.3 | 54 |
| 647 | Association between cumulative exposure to ideal cardiovascular health and arterial stiffness. Atherosclerosis, 2017, 260, 56-62. | 0.4 | 25 |
| 648 | A comparison of dicarbonyl stress and advanced glycation endproducts in lifelong endurance athletes vs. sedentary controls. Journal of Science and Medicine in Sport, 2017, 20, 921-926. | 0.6 | 15 |
| 649 | Association of arterial stiffness with cognition in patients with Lewy body disorder. Neurological Sciences, 2017, 38, 1307-1313. | 0.9 | 5 |
| 650 | Sex differences in fat distribution influence the association between BMI and arterial stiffness. Journal of Hypertension, 2017, 35, 1219-1225. | 0.3 | 35 |
| 651 | Associations of risk factors in childhood with arterial stiffness 26 years later. Journal of Hypertension, 2017, 35, S10-S15. | 0.3 | 39 |
| 652 | 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 |
| 653 | Effect of endoskeleton stent graft design on pulse wave velocity in patients undergoing endovascular repair of the aortic arch. General Thoracic and Cardiovascular Surgery, 2017, 65, 506-511. | 0.4 | 7 |
| 654 | Sex differences in vascular stiffness and relationship to the risk of renal functional decline in patients with type 2 diabetes. Diabetes and Vascular Disease Research, 2017, 14, 304-309. | 0.9 | 15 |
| 655 | Hybrid polymer microfluidic platform to mimic varying vascular compliance and topology. Lab on A Chip, 2017, 17, 2508-2516. | 3.1 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 656 | Arterial stiffness in fertile women with metabolic syndrome. Annals of Medicine, 2017, 49, 636-643. | 1.5 | 2 |
| 657 | Substrate stiffness and VE-cadherin mechano-transduction coordinate to regulate endothelial monolayer integrity. Biomaterials, 2017, 140, 45-57. | 5.7 | 71 |
| 658 | Body mass index is inversely associated with arterial stiffness in Chinese adults with primary hypertension: results from the China Stroke Primary Prevention Trial (CSPPT). Clinical and Experimental Hypertension, 2017, 39, 394-401. | 0.5 | 11 |
| 659 | Activation of Macrophages and Microglia by Interferonâ€“Î³ and Lipopolysaccharide Increases Methylglyoxal Production: A New Mechanism in the Development of Vascular Complications and Cognitive Decline in Type 2 Diabetes Mellitus?. Journal of Alzheimer's Disease, 2017, 59, 467-479. | 1.2 | 17 |
| 660 | Highâ€Throughput Screening of Vascular Endotheliumâ€Destructive or Protective Microenvironments: Cooperative Actions of Extracellular Matrix Composition, Stiffness, and Structure. Advanced Healthcare Materials, 2017, 6, 1601426. | 3.9 | 20 |
| 661 | 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 |
| 662 | The systolicâ€“diastolic difference in carotid stiffness is increased in type 2 diabetes. Journal of Hypertension, 2017, 35, 1052-1060. | 0.3 | 6 |
| 663 | Aorticâ€“Radial Pulse Wave Velocity Ratio in End-stage Renal Disease Patients: Association with Age, Body Tissue Hydration Status, Renal Failure Etiology and Five Years of Hemodialysis. High Blood Pressure and Cardiovascular Prevention, 2017, 24, 37-48. | 1.0 | 15 |
| 664 | Contribution of the HNE-immunohistochemistry to modern pathological concepts of major human diseases. Free Radical Biology and Medicine, 2017, 111, 110-126. | 1.3 | 62 |
| 665 | Cardiovascular profile in postural orthostatic tachycardia syndrome and Ehlersâ€“Danlos syndrome type III. Clinical Autonomic Research, 2017, 27, 113-116. | 1.4 | 13 |
| 666 | Inhibition of SRF/myocardin reduces aortic stiffness by targeting vascular smooth muscle cell stiffening in hypertension. Cardiovascular Research, 2017, 113, 171-182. | 1.8 | 55 |
| 667 | Effects of age and caloric restriction in the vascular response of renal arteries to endothelin-1 in rats. Experimental Gerontology, 2017, 88, 32-41. | 1.2 | 7 |
| 668 | Acute blood pressure response in hypertensive elderly women immediately after water aerobics exercise: A crossover study. Clinical and Experimental Hypertension, 2017, 39, 17-22. | 0.5 | 14 |
| 669 | Longitudinal Association Between Serum Uric Acid and Arterial Stiffness. Hypertension, 2017, 69, 228-235. | 1.3 | 59 |
| 670 | Impact of daily strawberry consumption on blood pressure and arterial stiffness in pre- and stage 1-hypertensive postmenopausal women: a randomized controlled trial. Food and Function, 2017, 8, 4139-4149. | 2.1 | 24 |
| 671 | In vivo repeatability of the pulse wave inverse problem in human carotid arteries. Journal of Biomechanics, 2017, 64, 136-144. | 0.9 | 8 |
| 672 | Methotrexate, blood pressure and markers of arterial function in patients with rheumatoid arthritis: a repeated cross-sectional study. Therapeutic Advances in Musculoskeletal Disease, 2017, 9, 213-229. | 1.2 | 30 |
| 673 | Lifestyle Medicine and the Management of Cardiovascular Disease. Current Cardiology Reports, 2017, 19, 116. | 1.3 | 63 |

| # | Article | IF | Citations |
|---|---|---|---|
| 674 | Arterial stiffness in preschool children. European Journal of Preventive Cardiology, 2017, 24, 1891-1894. | 0.8 | 2 |
| 675 | Associations between Type 2 Diabetes Mellitus and Arterial Stiffness: A Prospective Analysis Based on the Maine-Syracuse Study. Pulse, 2017, 5, 88-98. | 0.9 | 23 |
| 676 | Arterial Stiffness is an Independent Risk Factor for Anemia After Percutaneous Native Kidney Biopsy. Kidney and Blood Pressure Research, 2017, 42, 284-293. | 0.9 | 11 |
| 677 | Betel nut chewing associated with increased risk of arterial stiffness. Drug and Alcohol Dependence, 2017, 180, 1-6. | 1.6 | 17 |
| 678 | Influence of estrogen-related receptor Î³ (ESRRG) rs1890552 Aâ€‰›â€‰G polymorphism on changes in fasting glucose and arterial stiffness. Scientific Reports, 2017, 7, 9787. | 1.6 | 15 |
| 679 | Differences in cardio-ankle vascular index in a general Mediterranean population depending on the presence or absence of metabolic cardiovascular risk factors. Atherosclerosis, 2017, 264, 29-35. | 0.4 | 3 |
| 680 | Blood Pressure and Arterial Load After Transcatheter Aortic Valve Replacement for Aortic Stenosis. Circulation: Cardiovascular Imaging, 2017, 10, . | 1.3 | 45 |
| 681 | Coronary microvascular disease as an early culprit in the pathophysiology of diabetes and metabolic syndrome. Pharmacological Research, 2017, 123, 114-121. | 3.1 | 55 |
| 682 | Nitric Oxide Plasma Level as a Barometer of Endothelial Dysfunction in Factory Workers. Experimental and Clinical Endocrinology and Diabetes, 2017, 125, 684-689. | 0.6 | 8 |
| 683 | Arterial stiffness in symptomatic smokers with normal lung function. ERJ Open Research, 2017, 3, 00037-2017. | 1.1 | 1 |
| 684 | Central systolic blood pressure and aortic stiffness response to dietary sodium in young and middle-aged adults. Journal of the American Society of Hypertension, 2017, 11, 627-634. | 2.3 | 23 |
| 685 | Lower muscle tissue is associated with higher pulse wave velocity: A systematic review and metaâ€analysis of observational study data. Clinical and Experimental Pharmacology and Physiology, 2017, 44, 980-992. | 0.9 | 17 |
| 686 | Elevated Markers of Vascular Remodeling and Arterial Stiffness Are Associated With Neurocognitive Function in Older HIV+ Adults on Suppressive Antiretroviral Therapy. Journal of Acquired Immune Deficiency Syndromes (1999), 2017, 74, 134-141. | 0.9 | 11 |
| 687 | Stiff Substrates Increase Inflammation-Induced Endothelial Monolayer Tension and Permeability. Biophysical Journal, 2017, 113, 645-655. | 0.2 | 41 |
| 688 | Factors associated with cardiovascular target organ damage in children after renal transplantation. Pediatric Nephrology, 2017, 32, 2143-2154. | 0.9 | 28 |
| 689 | Ultrahigh-Resolution Optical Coherence Elastography Images Cellular-Scale Stiffness of Mouse Aorta. Biophysical Journal, 2017, 113, 2540-2551. | 0.2 | 20 |
| 690 | Autoantibodies against AT1 and Î±1-adrenergic receptors predict arterial stiffness progression in normotensive subjects over a 5-year period. Clinical Science, 2017, 131, 2947-2957. | 1.8 | 8 |
| 691 | The relationship between high-density lipoprotein cholesterol levels and arterial stiffness in a Taiwanese population. Nutrition, Metabolism and Cardiovascular Diseases, 2017, 27, 1136-1142. | 1.1 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 692 | Ultrasound Evaluation of the Great Arteries Based on the Analysis of Radio-Frequency Signal. Bio-Medical Engineering, 2017, 50, 352-356. | 0.3 | 2 |
| 693 | Arterial stiffness and stroke: de-stiffening strategy, a therapeutic target for stroke. Stroke and Vascular Neurology, 2017, 2, 65-72. | 1.5 | 62 |
| 694 | Effect of renin-angiotensin system inhibitors on mortality in heart failure with preserved ejection fraction: a meta-analysis of observational cohort and randomized controlled studies. Heart Failure Reviews, 2017, 22, 775-782. | 1.7 | 27 |
| 695 | The Contribution of Inflammation to the Development of Hypertension Mediated by Increased Arterial Stiffness. Journal of the American Heart Association, 2017, 6, . | 1.6 | 64 |
| 696 | Histomorphological and biochemical properties of plantar soft tissue in diabetes. Foot, 2017, 33, 1-6. | 0.4 | 18 |
| 697 | Metabolic syndrome and sexual dysfunction. Current Opinion in Urology, 2017, 27, 435-440. | 0.9 | 37 |
| 698 | Analysis of the effects of different salt consumption levels on the urine protein composition during a 105-day isolation using the opoSOM program. Human Physiology, 2017, 43, 86-92. | 0.1 | 1 |
| 699 | Association between antibodies to carbamylated proteins and subclinical atherosclerosis in rheumatoid arthritis patients. BMC Musculoskeletal Disorders, 2017, 18, 214. | 0.8 | 36 |
| 700 | Increased Central Arterial Stiffness after Spinal Cord Injury: Contributing Factors, Implications, and Possible Interventions. Journal of Neurotrauma, 2017, 34, 1129-1140. | 1.7 | 15 |
| 701 | Association Between Long-Term Blood Pressure Variability and 10-Year Progression in Arterial Stiffness. Hypertension, 2017, 69, 118-127. | 1.3 | 67 |
| 702 | 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 |
| 703 | Multiple-modality exercise and mind-motor training to improve cardiovascular health and fitness in older adults at risk for cognitive impairment: A randomized controlled trial. Archives of Gerontology and Geriatrics, 2017, 68, 149-160. | 1.4 | 9 |
| 704 | Cellâ€“cell junctional mechanotransduction in endothelial remodeling. Cellular and Molecular Life Sciences, 2017, 74, 279-292. | 2.4 | 137 |
| 705 | Antihypertensive treatment decreases arterial stiffness at night but not during the day. Results from the Hypertension in the Very Elderly Trial. Blood Pressure, 2017, 26, 109-114. | 0.7 | 0 |
| 706 | Nutrition and other lifestyle influences on arterial aging. Ageing Research Reviews, 2017, 39, 106-119. | 5.0 | 68 |
| 707 | A single gene connects stiffness in glaucoma and the vascular system. Experimental Eye Research, 2017, 158, 13-22. | 1.2 | 18 |
| 708 | 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 |
| 709 | Serum Levels of Anti-PON1 and Anti-HDL Antibodies as Potential Biomarkers of Premature Atherosclerosis in Systemic Lupus Erythematosus. Thrombosis and Haemostasis, 2017, 117, 2194-2206. | 1.8 | 29 |

| # | Article | IF | Citations |
|---|---|---|---|
| 710 | Cardiorenal Syndrome, Hemodynamics, and Noninvasive Evaluation. Clinical Medicine Insights Therapeutics, 2017, 9, 1179559X1774237. | 0.4 | 1 |
| 711 | Risk of cardiovascular disease in inflammatory bowel disease. Experimental and Therapeutic Medicine, 2017, 13, 395-400. | 0.8 | 50 |
| 712 | MicroRNA-1185 Promotes Arterial Stiffness though Modulating VCAM-1 and E-Selectin Expression. Cellular Physiology and Biochemistry, 2017, 41, 2183-2193. | 1.1 | 23 |
| 713 | The Adenosine Hypothesis Revisited: Modulation of Coupling between Myocardial Perfusion and Arterial Compliance. Frontiers in Physiology, 2017, 8, 824. | 1.3 | 8 |
| 714 | The effect of antihypertensive treatment on arterial stiffness and serum concentration of selected matrix metalloproteinases. Archives of Medical Science, 2017, 4, 760-770. | 0.4 | 17 |
| 715 | Arterial Stiffness, Thickness and Association to Suitable Novel Markers of Risk at the Origin of Cardiovascular Disease in Obese Children. International Journal of Medical Sciences, 2017, 14, 711-720. | 1.1 | 19 |
| 716 | A Study of Cardiac Function, Atherosclerosis, and Arrhythmogenicity. , 2017, , 91-125. | | 1 |
| 717 | Is Vascular Amyloidosis Intertwined with Arterial Aging, Hypertension and Atherosclerosis?. Frontiers in Genetics, 2017, 8, 126. | 1.1 | 6 |
| 718 | 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 |
| 719 | Inflammatory Markers for Arterial Stiffness in Cardiovascular Diseases. Frontiers in Immunology, 2017, 8, 1058. | 2.2 | 232 |
| 720 | Low Levels of Sex Hormone-Binding Globulin Constitute an Independent Risk Factor for Arterial Stiffness in Korean Women. International Journal of Endocrinology, 2017, 2017, 1-7. | 0.6 | 4 |
| 721 | Segmental arterial stiffness in relation to B-type natriuretic peptide with preserved systolic heart function. PLoS ONE, 2017, 12, e0183747. | 1.1 | 2 |
| 722 | Carotid and Femoral Arterial Wall Distensibility During Long-Duration Spaceflight. Aerospace Medicine and Human Performance, 2017, 88, 924-930. | 0.2 | 23 |
| 723 | Effects of age-associated regional changes in aortic stiffness on human hemodynamics revealed by computational modeling. PLoS ONE, 2017, 12, e0173177. | 1.1 | 59 |
| 724 | The impact of repetitive long-duration water immersion on vascular function. PLoS ONE, 2017, 12, e0181673. | 1.1 | 7 |
| 725 | Arterial stiffness and its association with clustering of metabolic syndrome risk factors. Diabetology and Metabolic Syndrome, 2017, 9, 87. | 1.2 | 37 |
| 726 | Arterial stiffness and cognitive function. Psychologie & Neuropsychiatrie Du Vieillissement, 2017, 15, 83-88. | 0.2 | 5 |
| 727 | High Pulse Wave Velocity Has a Strong Impact on Early Carotid Atherosclerosis in a Japanese General Male Population. Circulation Journal, 2017, 81, 310-315. | 0.7 | 27 |

| # | Article | IF | Citations |
|---|---|---|---|
| 728 | Retinal Vascular Branching in Healthy and Diabetic Subjects. , 2017, 58, 2685. | | 31 |
| 729 | The Impact of Diabetes Mellitus on Vascular Biomarkers in Patients with End-Stage Renal Disease. Yonsei Medical Journal, 2017, 58, 75. | 0.9 | 8 |
| 730 | Exposure to Road, Railway, and Aircraft Noise and Arterial Stiffness in the SAPALDIA Study: Annual Average Noise Levels and Temporal Noise Characteristics. Environmental Health Perspectives, 2017, 125, 097004. | 2.8 | 78 |
| 731 | Coronary Artery Bypass Surgery in End-Stage Renal Disease Patients. Annals of Vascular Diseases, 2017, 10, 79-87. | 0.2 | 17 |
| 732 | EFFECT OF LISINOPRIL ON 24-HOUR BLOOD PRESSURE AND ARTERIAL STIFFNESS IN PATIENTS WITH ARTERIAL HYPERTENSION AND RHEUMATOID ARTHRITIS. Rational Pharmacotherapy in Cardiology, 2017, 13, 661-666. | 0.3 | 3 |
| 733 | Heart Failure With Preserved Ejection Fraction in Diabetes: Mechanisms and Management. Canadian Journal of Cardiology, 2018, 34, 632-643. | 0.8 | 56 |
| 734 | Effects of 3-months sitting callisthenic balance and resistance exercise on aerobic capacity, aortic stiffness and body composition in healthy older participants. Randomized Controlled Trial. Experimental Gerontology, 2018, 108, 125-130. | 1.2 | 7 |
| 735 | Effects of a low salt diet on isolated systolic hypertension. Medicine (United States), 2018, 97, e0342. | 0.4 | 17 |
| 736 | Usefulness of pretransplant aortic arch calcification evaluation for kidney transplant outcome prediction in one year follow-up. Renal Failure, 2018, 40, 201-208. | 0.8 | 3 |
| 737 | GLP-1 and Insulin Recruit Muscle Microvasculature and Dilate Conduit Artery Individually But Not Additively in Healthy Humans. Journal of the Endocrine Society, 2018, 2, 190-206. | 0.1 | 15 |
| 738 | Association of time spent in physical activities and sedentary behaviors with carotid-femoral pulse wave velocity: A systematic review and meta-analysis. Atherosclerosis, 2018, 269, 211-218. | 0.4 | 48 |
| 739 | Brachial Artery Wall Stiffness Assessment by Shear Wave Elastography: A Promising New Diagnostic Tool for Endothelial Dysfunction Detection. Journal of Ultrasound in Medicine, 2018, 37, 1977-1983. | 0.8 | 5 |
| 740 | Role of Î² 2- and Î² 3 -adrenoceptors in arterial stiffness in a state of hypertension. European Journal of Pharmacology, 2018, 819, 136-143. | 1.7 | 7 |
| 741 | Maternal serum uric acid levels and blood pressure during pregnancy: A community-based cohort study. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2018, 222, 64-69. | 0.5 | 12 |
| 742 | Utility of arterial stiffness assessment in children. Cardiology in the Young, 2018, 28, 362-376. | 0.4 | 18 |
| 743 | Evaluation of different metrics as an index for the assessment of arterial stiffness. Clinical and Experimental Hypertension, 2018, 40, 390-397. | 0.5 | 2 |
| 744 | Strategies for Achieving Healthy Vascular Aging. Hypertension, 2018, 71, 389-402. | 1.3 | 106 |
| 745 | Burden of Dilated Perivascular Spaces, an Emerging Marker of Cerebral Small Vessel Disease, Is Highly Heritable. Stroke, 2018, 49, 282-287. | 1.0 | 62 |

| # | Article | IF | Citations |
|---|---|---|---|
| 746 | Motion Tracking of the Carotid Artery Wall From Ultrasound Image Sequences: a Nonlinear State-Space Approach. IEEE Transactions on Medical Imaging, 2018, 37, 273-283. | 5.4 | 110 |
| 747 | Endothelialâ€“mesenchymal transition in atherosclerosis. Cardiovascular Research, 2018, 114, 565-577. | 1.8 | 239 |
| 748 | Assessing Impact of High-Dose Pitavastatin on Carotid Artery Elasticity with Speckle-Tracking Strain Imaging. Journal of Atherosclerosis and Thrombosis, 2018, 25, 1137-1148. | 0.9 | 6 |
| 749 | Cross-correlation analysis of pulse wave propagation in arteries: in vitro validation and in vivo feasibility. Physics in Medicine and Biology, 2018, 63, 115006. | 1.6 | 18 |
| 750 | The importance of pulse pressure on cardiovascular risk and total mortality in the general population: Is sex relevant?. Journal of Clinical Hypertension, 2018, 20, 1001-1007. | 1.0 | 9 |
| 751 | Effect of Achieved Systolic Blood Pressure on Cardiovascular Outcomes in Patients With Type 2 Diabetes: A Population-Based Retrospective Cohort Study. Diabetes Care, 2018, 41, 1134-1141. | 4.3 | 25 |
| 752 | Improved Cardiovascular Function in Old Mice After N-Acetyl Cysteine and Glycine Supplemented Diet: Inflammation and Mitochondrial Factors. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 1167-1177. | 1.7 | 28 |
| 753 | 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 |
| 754 | Heart in space: effect of the extraterrestrial environment on the cardiovascular system. Nature Reviews Cardiology, 2018, 15, 167-180. | 6.1 | 161 |
| 755 | Postexercise Hypotension After Aquatic Exercise in Older Women With Hypertension: A Randomized Crossover Clinical Trial. American Journal of Hypertension, 2018, 31, 247-252. | 1.0 | 17 |
| 757 | Mitochondria-targeted antioxidant therapy with MitoQ ameliorates aortic stiffening in old mice. Journal of Applied Physiology, 2018, 124, 1194-1202. | 1.2 | 86 |
| 758 | Effects of losartan on vasomotor function and canonical transient receptor potential channels in the aortas of sinoaortic denervation rats. Clinical and Experimental Hypertension, 2018, 40, 39-48. | 0.5 | 3 |
| 759 | Relationship of Aortic Wall Distensibility to Mitral and Aortic Valve Calcification: The Multi-Ethnic Study of Atherosclerosis. Angiology, 2018, 69, 443-448. | 0.8 | 7 |
| 760 | Cerebral blood flow in normal aging adults: cardiovascular determinants, clinical implications, and aerobic fitness. Journal of Neurochemistry, 2018, 144, 595-608. | 2.1 | 177 |
| 761 | Arterial stiffness, cognitive impairment and dementia: confounding factor or real risk?. Journal of Neurochemistry, 2018, 144, 527-548. | 2.1 | 74 |
| 762 | Acute lysyl oxidase inhibition alters microvascular function in normotensive but not hypertensive men and women. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H424-H433. | 1.5 | 13 |
| 763 | Cardiovascular benefits of combined interval training and post-exercise nutrition in type 2 diabetes. Journal of Diabetes and Its Complications, 2018, 32, 226-233. | 1.2 | 22 |
| 764 | Diabetes, Hypertension, and Cardiovascular Disease: Clinical Insights and Vascular Mechanisms. Canadian Journal of Cardiology, 2018, 34, 575-584. | 0.8 | 945 |

| # | Article | IF | Citations |
|---|---|---|---|
| 765 | Higher pulse pressure and risk for cardiovascular events in patients with essential hypertension: The Campania Salute Network. European Journal of Preventive Cardiology, 2018, 25, 235-243. | 0.8 | 55 |
| 766 | Oxidative stress induces renal failure: A review of possible molecular pathways. Journal of Cellular Biochemistry, 2018, 119, 2990-2998. | 1.2 | 66 |
| 767 | Cellular mechanisms underlying obesity-induced arterial stiffness. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 314, R387-R398. | 0.9 | 112 |
| 768 | Influence of arterial stiffness on cardiovascular outcome in patients without high blood pressure. Heart, 2018, 104, 318-323. | 1.2 | 13 |
| 769 | Arterial stiffness in black African ancestry patients with chronic kidney disease living in Cameroon. Cardiovascular Diagnosis and Therapy, 2018, 8, 450-459. | 0.7 | 1 |
| 770 | Influence of Exercise Mode on Post-exercise Arterial Stiffness and Pressure Wave Measures in Healthy Adult Males. Frontiers in Physiology, 2018, 9, 1468. | 1.3 | 19 |
| 771 | Assessing Arterial Stiffness using the Oscillometric Method in Patients with Diabetes and/or Hypertension. Journal of Biodiversity & Endangered Species, 2018, 09, . | 0.1 | 0 |
| 772 | Vascular Smooth Muscle Cell. , 0, , . | | 2 |
| 773 | The Impact of Omega 3 Fatty Acids in Atherosclerosis and Arterial Stiffness: An Overview of their Actions. Current Pharmaceutical Design, 2018, 24, 1865-1872. | 0.9 | 11 |
| 774 | Coronary Microvascular Remodeling in Type 2 Diabetes: Synonymous With Early Aging?. Frontiers in Physiology, 2018, 9, 1463. | 1.3 | 14 |
| 775 | The potential of N-glycosylation profiles as biomarkers for monitoring the progression of Type II diabetes mellitus towards diabetic kidney disease. Journal of Diabetes and Metabolic Disorders, 2018, 17, 233-246. | 0.8 | 20 |
| 776 | Hypertension and transcatheter aortic valve replacement: parallel or series?. Integrated Blood Pressure Control, 2018, Volume 11, 81-91. | 0.4 | 3 |
| 777 | Association of HIV-infection, antiretroviral treatment and metabolic syndrome with large artery stiffness: a cross-sectional study. BMC Infectious Diseases, 2018, 18, 708. | 1.3 | 13 |
| 778 | The Accumulation of Key Stroke Risk Factors and Its Association With the Characteristics of Subjects: A Population Based Cross Sectional Study. Frontiers in Neurology, 2018, 9, 949. | 1.1 | 2 |
| 779 | The Role of Omega-3 Fatty Acids in the Setting of Coronary Artery Disease and COPD: A Review. Nutrients, 2018, 10, 1864. | 1.7 | 25 |
| 780 | 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 |
| 781 | Physiological Diagnostic Criteria for Vascular Failure. Hypertension, 2018, 72, 1060-1071. | 1.3 | 174 |
| 782 | Comparison of Carotid Ultrasound Indices and the Triglyceride Glucose Index in Hypertensive and Normotensive Community-Dwelling Individuals: A Case Control Study for Evaluating Atherosclerosis. Medicina (Lithuania), 2018, 54, 71. | 0.8 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 783 | Blood Pressure Variability, Arterial Stiffness, and Arterial Remodeling. Hypertension, 2018, 72, 1002-1010. | 1.3 | 89 |
| 784 | Vascular compliance in women with polycystic ovary syndrome treated with spironolactone. Journal of Clinical Hypertension, 2018, 20, 1536-1540. | 1.0 | 4 |
| 785 | Understanding lamin proteins and their roles in aging and cardiovascular diseases. Life Sciences, 2018, 212, 20-29. | 2.0 | 12 |
| 786 | Gender-related differences in the progression of carotid stiffness with age and in the influence of risk factors on carotid stiffness. Clinical Interventions in Aging, 2018, Volume 13, 1183-1191. | 1.3 | 19 |
| 787 | Endothelium and Arterial Hypertension. , 2018, , 429-437. | | 3 |
| 788 | Spectral analysis of the blood flow in the foot microvascular bed during thermal testing in patients with diabetes mellitus. Microvascular Research, 2018, 120, 13-20. | 1.1 | 36 |
| 789 | Joint effect of less than 1Âh of daytime napping and seven to 8Âh of night sleep on the risk of stroke. Sleep Medicine, 2018, 52, 180-187. | 0.8 | 26 |
| 790 | Investigation of elastic features of aorta and color M-mode flow propagation velocity (APV) of descending aorta in the patients with ischemic and non-ischemic dilated cardiomyopathy. International Journal of Cardiovascular Imaging, 2018, 34, 1563-1570. | 0.7 | 1 |
| 791 | Prognostic evaluation of the elastic properties of the ascending aorta in dilated cardiomyopathy. European Journal of Clinical Investigation, 2018, 48, e12950. | 1.7 | 5 |
| 792 | Arterial Stiffness in Hypertension: an Update. Current Hypertension Reports, 2018, 20, 72. | 1.5 | 77 |
| 793 | Fabrication of Hydrogel Tubes with Vascular Mimicked Stiffness for Construction of in Vitro Vascular Models. ACS Applied Bio Materials, 2018, 1, 237-245. | 2.3 | 2 |
| 794 | Acute Effects of Exercise Mode on Arterial Stiffness and Wave Reflection in Healthy Young Adults: A Systematic Review and Meta-Analysis. Frontiers in Physiology, 2018, 9, 73. | 1.3 | 55 |
| 795 | Arterial Stiffness: A Prognostic Marker in Coronary Heart Disease. Available Methods and Clinical Application. Frontiers in Cardiovascular Medicine, 2018, 5, 64. | 1.1 | 82 |
| 796 | Evaluation of Cardiovascular Risk With Arterial Stiffness in Patients With Nonfunctioning Pituitary Adenoma. Endocrine Practice, 2018, 24, 815-822. | 1.1 | 3 |
| 797 | Tenâ€year changes in ambulatory blood pressure: The prognostic value of ambulatory pulse pressure. Journal of Clinical Hypertension, 2018, 20, 1230-1237. | 1.0 | 18 |
| 798 | The Impact of Aging on Cardio and Cerebrovascular Diseases. International Journal of Molecular Sciences, 2018, 19, 481. | 1.8 | 74 |
| 799 | MitoNEET in Perivascular Adipose Tissue Prevents Arterial Stiffness in Aging Mice. Cardiovascular Drugs and Therapy, 2018, 32, 531-539. | 1.3 | 19 |
| 800 | Serum brain-derived neurotrophic factor predicting reduction in pulse pressure after a one-hour rest in nurses working night shifts. Scientific Reports, 2018, 8, 5485. | 1.6 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 801 | Arterial stiffness in adults with steady-state bronchiectasis: association with clinical indices and disease severity. Respiratory Research, 2018, 19, 86. | 1.4 | 5 |
| 802 | Peak oxygen uptake, ventilatory threshold, and arterial stiffness in adolescents. European Journal of Applied Physiology, 2018, 118, 2367-2376. | 1.2 | 10 |
| 803 | Matrix stiffness modulates infection of endothelial cells byListeria monocytogenesvia expression of cell surface vimentin. Molecular Biology of the Cell, 2018, 29, 1571-1589. | 0.9 | 31 |
| 804 | Chronic aerobic exercise reduces the aortic age of an elderly cohort. Journal of Physiology, 2018, 596, 4811-4812. | 1.3 | 0 |
| 805 | The relationship between arterial stiffness and maximal oxygen consumption in healthy young adults. Journal of Exercise Science and Fitness, 2018, 16, 73-77. | 0.8 | 7 |
| 806 | Effect of sex, menstrual cycle phase, and monophasic oral contraceptive pill use on local and central arterial stiffness in young adults. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H357-H365. | 1.5 | 33 |
| 807 | Association of advanced glycation end products in Dupuytren disease. Journal of Orthopaedic Surgery and Research, 2018, 13, 143. | 0.9 | 7 |
| 808 | The matrix proteins aggrecan and fibulin-1 play a key role in determining aortic stiffness. Scientific Reports, 2018, 8, 8550. | 1.6 | 34 |
| 809 | A multilocus genetic risk score is associated with arterial stiffness in hypertensive patients. Journal of Hypertension, 2018, 36, 1882-1888. | 0.3 | 6 |
| 810 | Pulsatile vs. continuous flow. , 2018, , 379-406. | | 4 |
| 811 | Evaluating several biomarkers as predictors of aortic stiffness in young and older Africans, not consuming alcohol based on self-report. Diabetes Research and Clinical Practice, 2018, 142, 312-320. | 1.1 | 2 |
| 812 | High sodium intake and sodium to potassium ratio may be linked to subsequent increase in vascular damage in adults aged 40Âyears and older: the Korean multi-rural communities cohort (MRCohort). European Journal of Nutrition, 2019, 58, 1659-1671. | 1.8 | 24 |
| 813 | Extracellular matrix roles in cardiorenal fibrosis: Potential therapeutic targets for CVD and CKD in the elderly. , 2019, 193, 99-120. | | 28 |
| 814 | Racial Disparities in Arterial Stiffness Between Healthy Whites and African Americans in the United States: A Meta-analysis. Journal of the National Medical Association, 2019, 111, 7-17. | 0.6 | 6 |
| 815 | Mechanical Characterization of the Lamellar Structure of Human Abdominal Aorta in the Development of Atherosclerosis: An Atomic Force Microscopy Study. Cardiovascular Engineering and Technology, 2019, 10, 181-192. | 0.7 | 14 |
| 816 | Does the Knowledge of the Local Thickness of Human Ascending Thoracic Aneurysm Walls Improve Their Mechanical Analysis?. Frontiers in Bioengineering and Biotechnology, 2019, 7, 169. | 2.0 | 13 |
| 817 | Association between Advanced Glycation End Products, Soluble RAGE Receptor, and Endothelium Dysfunction, Evaluated by Circulating Endothelial Cells and Endothelial Progenitor Cells in Patients with Mild and Resistant Hypertension. International Journal of Molecular Sciences, 2019, 20, 3942. | 1.8 | 12 |
| 818 | Surface Engineered Polymersomes for Enhanced Modulation of Dendritic Cells During Cardiovascular Immunotherapy. Advanced Functional Materials, 2019, 29, 1904399. | 7.8 | 47 |

| # | Article | IF | Citations |
|---|---|---|---|
| 819 | Hypertensive Heart Failure in the Very Old. Heart Failure Clinics, 2019, 15, 477-485. | 1.0 | 11 |
| 820 | Cardiac remodeling after six weeks of high-intensity interval training to exhaustion in endurance-trained men. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H685-H694. | 1.5 | 14 |
| 821 | Increased mitochondrial NADPH oxidase 4 (NOX4) expression in aging is a causative factor in aortic stiffening. Redox Biology, 2019, 26, 101288. | 3.9 | 74 |
| 822 | A novel CD147 inhibitor, SP-8356, reduces neointimal hyperplasia and arterial stiffness in a rat model of partial carotid artery ligation. Journal of Translational Medicine, 2019, 17, 274. | 1.8 | 17 |
| 823 | Chronic exercise training prevents coronary artery stiffening in aortic-banded miniswine: role of perivascular adipose-derived advanced glycation end products. Journal of Applied Physiology, 2019, 127, 816-827. | 1.2 | 17 |
| 824 | Local exercise does not prevent the aortic stiffening response to acute prolonged sitting: a randomized crossover trial. Journal of Applied Physiology, 2019, 127, 781-787. | 1.2 | 30 |
| 825 | Retinal Microvasculature in Relation to Central Hemodynamics in a Flemish Population. Hypertension, 2019, 74, 606-613. | 1.3 | 10 |
| 826 | Restoring extracellular matrix synthesis in senescent stem cells. FASEB Journal, 2019, 33, 10954-10965. | 0.2 | 10 |
| 827 | Maintenance of longâ€term blood pressure control and vascular health by lowâ€dose amilorideâ€based therapy in hyperaldosteronism. Journal of Clinical Hypertension, 2019, 21, 1183-1190. | 1.0 | 6 |
| 828 | The EFSUMB Guidelines and Recommendations for the Clinical Practice of Elastography in Non-Hepatic Applications: Update 2018. Ultraschall in Der Medizin, 2019, 40, 425-453. | 0.8 | 196 |
| 829 | The Vicious Cycle of Arterial Stiffness and Arterial Media Calcification. Trends in Molecular Medicine, 2019, 25, 1133-1146. | 3.5 | 59 |
| 830 | 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 |
| 831 | Assessment of Arterial Stiffness in Patients With Resistant Hypertension: Additional Insights Into the Pathophysiology of This Condition?. American Journal of Hypertension, 2020, 33, 107-115. | 1.0 | 12 |
| 832 | Short-Term Prognostic Impact of Arterial Stiffness in Older Adults Without Prevalent Cardiovascular Disease. Hypertension, 2019, 74, 1373-1382. | 1.3 | 40 |
| 833 | Mechanisms of soft tissue and protein preservation in Tyrannosaurus rex. Scientific Reports, 2019, 9, 15678. | 1.6 | 27 |
| 834 | HIV-Nef Protein Transfer to Endothelial Cells Requires Rac1 Activation and Leads to Endothelial Dysfunction Implications for Statin Treatment in HIV Patients. Circulation Research, 2019, 125, 805-820. | 2.0 | 20 |
| 835 | Pregnancy-related events associated with subclinical cardiovascular disease burden in late midlife: SWAN. Atherosclerosis, 2019, 289, 27-35. | 0.4 | 16 |
| 836 | Biomarkers of Human Aging. Healthy Ageing and Longevity, 2019, , . | 0.2 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 837 | Exercise and Arterial Stiffness in the Elderly: A Combined Cross-Sectional and Randomized Controlled Trial (EXAMIN AGE). Frontiers in Physiology, 2019, 10, 1119. | 1.3 | 28 |
| 838 | Predictors for progressions of brachialâ€“ankle pulse wave velocity and carotid intimaâ€“media thickness over a 12-year follow-up. Journal of Hypertension, 2019, 37, 1167-1175. | 0.3 | 22 |
| 839 | Simple renal cysts are associated with increased arterial stiffness in a Taiwanese population. Hypertension Research, 2019, 42, 1068-1073. | 1.5 | 6 |
| 840 | Associations of Cardiorespiratory Fitness and Adiposity With Arterial Stiffness and Arterial Dilatation Capacity in Response to a Bout of Exercise in Children. Pediatric Exercise Science, 2019, 31, 238-247. | 0.5 | 7 |
| 841 | Elastodiagnosis of diseases: A review. Extreme Mechanics Letters, 2019, 27, 102-123. | 2.0 | 19 |
| 842 | Suppression of the gut microbiome ameliorates ageâ€related arterial dysfunction and oxidative stress in mice. Journal of Physiology, 2019, 597, 2361-2378. | 1.3 | 106 |
| 843 | Assessment of variations in arterial tone during different phases of menstrual cycle. International Journal of Reproduction, Contraception, Obstetrics and Gynecology, 2019, 8, 1810. | 0.0 | 1 |
| 844 | Vitamin D deficiency is associated with risk of developing peripheral arterial disease in type 2 diabetic patients. BMC Cardiovascular Disorders, 2019, 19, 145. | 0.7 | 14 |
| 845 | Synergistic Effects of 1 h Post-Load Plasma Glucose and Smoking on Arterial Stiffness in Apparently Healthy Men: A Cross-sectional Study. Journal of Atherosclerosis and Thrombosis, 2019, 26, 505-512. | 0.9 | 3 |
| 846 | Age-Related Vascular Dysfunction: What Registered Dietitian Nutritionists Need to Know. Journal of the Academy of Nutrition and Dietetics, 2019, 119, 1785-1796. | 0.4 | 9 |
| 847 | Longâ€term BP control and vascular health in patients with hyperaldosteronism treated with lowâ€dose, amilorideâ€based therapy. Journal of Clinical Hypertension, 2019, 21, 922-928. | 1.0 | 6 |
| 848 | Serum osteoprotegerin is an independent marker of central arterial stiffness as assessed using carotidâ€“femoral pulse wave velocity in hemodialysis patients: a cross sectional study. BMC Nephrology, 2019, 20, 184. | 0.8 | 9 |
| 849 | Macro- and microvascular functions in cystic fibrosis adults without cardiovascular risk factors: A case-control study. Monaldi Archives for Chest Disease, 2019, 89, . | 0.3 | 6 |
| 850 | Prognostic impact of increased pulse pressure/stroke index in a registry of hypertensive patients: the Campania Salute Network. Blood Pressure, 2019, 28, 268-275. | 0.7 | 7 |
| 851 | 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 |
| 852 | Genetic Association of Finger Photoplethysmography-Derived Arterial Stiffness Index With Blood Pressure and Coronary Artery Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1253-1261. | 1.1 | 35 |
| 853 | Peroxynitrite-Mediated SIRT (Sirtuin)-1 Inactivation Contributes to Nicotine-Induced Arterial Stiffness in Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1419-1431. | 1.1 | 25 |
| 854 | Quantitative Phenotyping of Cellâ€“Cell Junctions to Evaluate ZO-1 Presentation in Brain Endothelial Cells. Annals of Biomedical Engineering, 2019, 47, 1675-1687. | 1.3 | 22 |

| # | Article | IF | Citations |
|---|---|---|---|
| 855 | Differential vascular effects of aspirin in people with Type 2 diabetes without cardiovascular disease and matched controls without diabetes. Diabetic Medicine, 2019, 36, 1141-1148. | 1.2 | 2 |
| 856 | Arterial Stiffness in the Heart Disease of CKD. Journal of the American Society of Nephrology: JASN, 2019, 30, 918-928. | 3.0 | 128 |
| 857 | 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 |
| 858 | Imbalance between Angiotensin II - Angiotensin (1-7) system is associated with vascular endothelial dysfunction and inflammation in type 2 diabetes with newly diagnosed hypertension. Diabetes and Metabolic Syndrome: Clinical Research and Reviews, 2019, 13, 2061-2068. | 1.8 | 36 |
| 859 | The association between fasting plasma glucose and glycated hemoglobin in the prediabetes range and future development of hypertension. Cardiovascular Diabetology, 2019, 18, 53. | 2.7 | 36 |
| 860 | Pulse Wave Velocity in Atherosclerosis. Frontiers in Cardiovascular Medicine, 2019, 6, 41. | 1.1 | 226 |
| 861 | Endothelial Insulin Resistance of Freshly Isolated Arterial Endothelial Cells From Radial Sheaths in Patients With Suspected Coronary Artery Disease. Journal of the American Heart Association, 2019, 8, e010816. | 1.6 | 18 |
| 862 | Bidirectional Ultrasound Elastographic Imaging Framework for Non-invasive Assessment of the Non-linear Behavior of a Physiologically Pressurized Artery. Ultrasound in Medicine and Biology, 2019, 45, 1184-1196. | 0.7 | 5 |
| 863 | Increased Arterial Stiffness in Adolescents With Obesity. Global Pediatric Health, 2019, 6, 2333794X1983129. | 0.3 | 6 |
| 864 | Central and peripheral pulse wave velocity and subclinical myocardial stress and damage in older adults. PLoS ONE, 2019, 14, e0212892. | 1.1 | 16 |
| 865 | Non-invasive measurements of arterial function: What? When? Why should we use them?. Heart, 2019, 105, heartjnl-2018-312970. | 1.2 | 6 |
| 866 | Relation of choline intake with blood pressure in the National Health and Nutrition Examination Survey 2007â€“2010. American Journal of Clinical Nutrition, 2019, 109, 648-655. | 2.2 | 12 |
| 867 | Associations of non-high-density lipoprotein cholesterol, triglycerides and the total cholesterol/HDL-c ratio with arterial stiffness independent of low-density lipoprotein cholesterol in a Chinese population. Hypertension Research, 2019, 42, 1223-1230. | 1.5 | 38 |
| 868 | MMP12 Deletion Preferentially Attenuates Axial Stiffening of Aging Arteries. Journal of Biomechanical Engineering, 2019, 141, . | 0.6 | 15 |
| 869 | The effect of including increased arterial stiffness in the upper body when modelling Coarctation of the Aorta. Computer Methods in Biomechanics and Biomedical Engineering, 2019, 22, 475-489. | 0.9 | 0 |
| 870 | Effect of S-equol and Soy Isoflavones on Heart and Brain. Current Cardiology Reviews, 2019, 15, 114-135. | 0.6 | 56 |
| 871 | Cardiovascular Health and Healthy Aging. , 2019, , 31-51. | | 3 |
| 872 | Arterial stiffness as a risk factor for cardiovascular events and allâ€cause mortality in people with Type 2 diabetes. Diabetic Medicine, 2019, 36, 1125-1132. | 1.2 | 30 |

| # | Article | IF | Citations |
|---|---|---|---|
| 873 | Oxidative stress and vascular stiffness in hypertension: A renewed interest for antioxidant therapies?. Vascular Pharmacology, 2019, 116, 45-50. | 1.0 | 24 |
| 874 | Sex differences in mechanisms of arterial stiffness. British Journal of Pharmacology, 2019, 176, 4208-4225. | 2.7 | 163 |
| 875 | Sleep, Autonomic Nervous Function and Atherosclerosis. International Journal of Molecular Sciences, 2019, 20, 794. | 1.8 | 23 |
| 876 | EFECTO HIPOTENSOR AGUDO DEL EJERCICIO DE OCLUSIÃ“N VASCULAR SOBRE ADULTOS MAYORES. Revista Internacional De Medicina Y Ciencias De La Actividad Fisica Y Del Deporte, 2019, 19, . | 0.1 | 0 |
| 877 | The Role of Vascular Smooth Muscle Cells in Arterial Remodeling: Focus on Calcification-Related Processes. International Journal of Molecular Sciences, 2019, 20, 5694. | 1.8 | 166 |
| 878 | Proteome Profiling of Cerebral Vessels in Rhesus Macaques: Dysregulation of Antioxidant Activity and Extracellular Matrix Proteins Contributes to Cerebrovascular Aging in Rhesus Macaques. Frontiers in Aging Neuroscience, 2019, 11, 293. | 1.7 | 8 |
| 879 | Pulse wave velocity as a measure of arterial stiffness in patients with familial hypercholesterolemia: a systematic review and meta-analysis. Archives of Medical Science, 2019, 15, 1365-1374. | 0.4 | 18 |
| 880 | Association between different lipid parameters and aortic stiffness. Journal of Hypertension, 2019, 37, 2240-2246. | 0.3 | 16 |
| 881 | Long-term clinical outcomes according to the mean observed blood pressure in patients with coronary artery disease after drug-eluting stent implantation. Journal of Hypertension, 2019, 37, 1898-1905. | 0.3 | 1 |
| 882 | Effect of Osteopathic Cranial Manipulative Medicine on an Aged Rat Model of Alzheimer Disease. Journal of Osteopathic Medicine, 2019, 119, 712-723. | 0.4 | 5 |
| 883 | Mechanotransduction in the Cardiovascular System: From Developmental Origins to Homeostasis and Pathology. Cells, 2019, 8, 1607. | 1.8 | 55 |
| 884 | Arterial Structure and Function Following Viral Myocarditis. Pediatric Cardiology, 2019, 40, 133-137. | 0.6 | 2 |
| 885 | A Cross-Sectional Study of the Association Between Arterial Stiffness and Sarcopenia in Chinese Community-Dwelling Elderly Using the Asian Working Group for Sarcopenia Criteria. Journal of Nutrition, Health and Aging, 2019, 23, 195-201. | 1.5 | 30 |
| 886 | Blood Pressure and Development of Cardiovascular Disease in Koreans With Type 2 Diabetes Mellitus. Hypertension, 2019, 73, 319-326. | 1.3 | 33 |
| 887 | Correlation between sclerostin and Dickkopf-1 with aortic arterial stiffness in patients with type 2 diabetes: A prospective, cross-sectional study. Diabetes and Vascular Disease Research, 2019, 16, 281-288. | 0.9 | 8 |
| 888 | Impact of high- and low-intensity resistance training on arterial stiffness and blood pressure in adults across the lifespan: a review. Pflugers Archiv European Journal of Physiology, 2019, 471, 467-478. | 1.3 | 42 |
| 889 | Vascular Fibrosis and Disease. Molecular and Translational Medicine, 2019, , 369-386. | 0.4 | 0 |
| 890 | Prognostic Impact of Aortic Stiffness in Patients With Resistant Hypertension. Hypertension, 2019, 73, 728-735. | 1.3 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 892 | Progressive changes of elastic moduli of arterial wall and atherosclerotic plaque components during plaque development in human coronary arteries. Medical and Biological Engineering and Computing, 2019, 57, 731-740. | 1.6 | 27 |
| 893 | Dissecting cellular mechanics: Implications for aging, cancer, and immunity. Seminars in Cell and Developmental Biology, 2019, 93, 16-25. | 2.3 | 18 |
| 894 | 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 |
| 895 | Arterial Stiffness is Related to Impaired Exercise Capacity in Patients With Coronary Artery Disease and History of Myocardial Infarction. Heart Lung and Circulation, 2019, 28, 1614-1621. | 0.2 | 11 |
| 896 | Physical Activity is Inversely Associated With Arterial Stiffness in Adult Males: A Brief Communication. Heart Lung and Circulation, 2019, 28, e29-e32. | 0.2 | 3 |
| 897 | Memory impairment in spontaneously hypertensive rats is associated with hippocampal hypoperfusion and hippocampal vascular dysfunction. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 845-859. | 2.4 | 25 |
| 898 | Extracellular fluid volume expansion, arterial stiffness and uncontrolled hypertension in patients with chronic kidney disease. Nephrology Dialysis Transplantation, 2020, 35, 1393-1398. | 0.4 | 12 |
| 899 | Prenatal metyrapone treatment modulates neonatal cerebrovascular structure, function, and vulnerability to mild hypoxic-ischemic injury. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 318, R1-R16. | 0.9 | 1 |
| 900 | Higher cardiovascular fitness level is associated with lower cerebrovascular reactivity and perfusion in healthy older adults. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 1468-1481. | 2.4 | 24 |
| 901 | Annexinâ€A1 deficiency exacerbates pathological remodelling of the mesenteric vasculature in insulinâ€resistant, but not insulinâ€deficient, mice. British Journal of Pharmacology, 2020, 177, 1677-1691. | 2.7 | 15 |
| 902 | No impact of acute hyperglycaemia on arterial stiffness in the early and late follicular phases of the menstrual cycle in young females. Experimental Physiology, 2020, 105, 174-183. | 0.9 | 2 |
| 903 | Neurohormones, inflammatory mediators, and cardiovascular injury in the setting of heart failure. Heart Failure Reviews, 2020, 25, 685-701. | 1.7 | 12 |
| 904 | Migraine and Arterial Stiffness in the Brazilian Longitudinal Study of Adult Health: ELSA-Brasil. American Journal of Hypertension, 2020, 33, 458-464. | 1.0 | 3 |
| 905 | Mechanical and structural changes in human thoracic aortas with age. Acta Biomaterialia, 2020, 103, 172-188. | 4.1 | 55 |
| 906 | Circulatory system alterations under stress. , 2020, , 111-139. | | 0 |
| 907 | Functional and structural changes in aorta of mice divergently selected for basal metabolic rate. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2020, 190, 101-112. | 0.7 | 6 |
| 908 | Application of Non-invasive Imaging in Inflammatory Disease Conditions to Evaluate Subclinical Coronary Artery Disease. Current Rheumatology Reports, 2020, 22, 1. | 2.1 | 16 |
| 909 | True Arterial Stiffness Does Not Change between Dialysis Sessions during 1 Week in Outpatients on Intermitted Hemodialysis. Kidney and Blood Pressure Research, 2020, 45, 51-60. | 0.9 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 910 | Vitamin K2 Status and Arterial Stiffness Among Untreated Migraine Patients: A Caseâ€Control Study. Headache, 2020, 60, 589-599. | 1.8 | 10 |
| 911 | Changes in the physicochemical properties of fish cell membranes during cellular senescence. Bioscience, Biotechnology and Biochemistry, 2020, 84, 583-593. | 0.6 | 4 |
| 912 | Validity of singleâ€point assessments for determining leg pulse wave velocity in sitting and supine positions. Clinical Physiology and Functional Imaging, 2020, 40, 157-164. | 0.5 | 4 |
| 913 | Short stature is associated with higher pulse wave velocity in subjects without overt cardiovascular disease. Medicine (United States), 2020, 99, e22219. | 0.4 | 6 |
| 914 | <p>Carotid Artery Stiffness in Metabolic Syndrome: Sex Differences</p>. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2020, Volume 13, 3359-3369. | 1.1 | 3 |
| 915 | Physiological factors characterizing heat-vulnerable older adults: A narrative review. Environment International, 2020, 144, 105909. | 4.8 | 116 |
| 916 | Use of the ankle-brachial index combined with the percentage of mean arterial pressure at the ankle to improve prediction of all-cause mortality in type 2 diabetes mellitus: an observational study. Cardiovascular Diabetology, 2020, 19, 173. | 2.7 | 6 |
| 917 | 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 |
| 918 | Prolonged hyperlipidemia exposure increases the risk of arterial stiffness in young adults: a cross-sectional study in a cohort of Chinese. BMC Public Health, 2020, 20, 1091. | 1.2 | 10 |
| 919 | Longitudinal change in arterial stiffness after delivery in women with preeclampsia and normotension: a prospective cohort study. BMC Pregnancy and Childbirth, 2020, 20, 685. | 0.9 | 7 |
| 920 | Progression of Aortic Arch Calcification Is Associated with Overall and Cardiovascular Mortality in Hemodialysis. Disease Markers, 2020, 2020, 1-7. | 0.6 | 8 |
| 921 | Repeatability and reproducibility of pulse wave velocity in relation to hemodynamics and sodium excretion in stable patients with hypertension. Journal of Hypertension, 2020, 38, 1531-1540. | 0.3 | 5 |
| 922 | 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 |
| 923 | The Effect of High Polyphenol Extra Virgin Olive Oil on Blood Pressure and Arterial Stiffness in Healthy Australian Adults: A Randomized, Controlled, Cross-Over Study. Nutrients, 2020, 12, 2272. | 1.7 | 20 |
| 924 | Carotid atherosclerosis among middle-aged individuals predicts cognition: A 10-year follow-up study. Atherosclerosis, 2020, 314, 27-32. | 0.4 | 7 |
| 925 | Habitual Night Eating Was Positively Associated With Progress of Arterial Stiffness in Chinese Adults. Journal of the American Heart Association, 2020, 9, e016455. | 1.6 | 17 |
| 926 | Long sleep duration and risk of increased arterial stiffness in a Chinese population. Medicine (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 0.4 | 6 |
| 927 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 928 | Pharmacological Approaches to Controlling Cardiometabolic Risk in Women with PCOS. International Journal of Molecular Sciences, 2020, 21, 9554. | 1.8 | 15 |
| 929 | Commonly used mouse strains have distinct vascular properties. Hypertension Research, 2020, 43, 1175-1181. | 1.5 | 10 |
| 930 | The triad of orthostatic hypotension, blood pressure variability, and arterial stiffness: a new syndrome?. Journal of Hypertension, 2020, 38, 1031-1032. | 0.3 | 2 |
| 931 | Maternal separation-induced increases in vascular stiffness are independent of circulating angiotensinogen levels. Journal of Applied Physiology, 2020, 129, 58-65. | 1.2 | 0 |
| 932 | Insulin resistance and heart disease. , 2020, , 113-155. | | 0 |
| 933 | Carotid Stiffness is Associated with Brain Amyloid-Î² Burden in Amnestic Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2020, 74, 925-935. | 1.2 | 19 |
| 934 | Magnetic Resonance Imaging and Modeling of the Glymphatic System. Diagnostics, 2020, 10, 344. | 1.3 | 21 |
| 935 | Effectiveness of yoga on arterial stiffness: A systematic review. Complementary Therapies in Medicine, 2020, 52, 102484. | 1.3 | 6 |
| 936 | Arterial Stiffness Assessed by Oscillometric Method in Kidney Transplant, Predialysis, and Dialysis Patients. Transplantation Proceedings, 2020, 52, 2337-2340. | 0.3 | 4 |
| 937 | Peripheral Vascular Function in Dilated Cardiomyopathy of Different Etiology. Angiology, 2020, 71, 726-733. | 0.8 | 2 |
| 938 | Arterial Stiffness Increases Over Time in Relation to Lung Diffusion Capacity: A Longitudinal Observation Study in COPD . International Journal of COPD, 2020, Volume 15, 177-187. | 0.9 | 6 |
| 939 | Stiffness of the aligned fibers affects structural and functional integrity of the oriented endothelial cells. Acta Biomaterialia, 2020, 108, 237-249. | 4.1 | 37 |
| 940 | The effect of acute aerobic exercise on central arterial stiffness, wave reflections, and hemodynamics in adults with diabetes: A randomized cross-over design. Journal of Sport and Health Science, 2021, 10, 499-506. | 3.3 | 9 |
| 941 | The Importance of Mechanical Forces for in vitro Endothelial Cell Biology. Frontiers in Physiology, 2020, 11, 684. | 1.3 | 102 |
| 942 | Characteristics of Harmonic Indexes of the Arterial Blood Pressure Waveform in Type 2 Diabetes Mellitus. Frontiers in Bioengineering and Biotechnology, 2020, 8, 638. | 2.0 | 6 |
| 943 | Impact of Prehypertension on the Risk of Major Adverse Cardiovascular Events in a Chinese Rural Cohort. American Journal of Hypertension, 2020, 33, 465-470. | 1.0 | 10 |
| 944 | ARTSENS<sup>Â®</sup>Penâ€"portable easy-to-use device for carotid stiffness measurement: technology validation and clinical-utility assessment. Biomedical Physics and Engineering Express, 2020, 6, 025013. | 0.6 | 27 |
| 945 | Vasodilatory Actions of Glucagon-Like Peptide 1 Are Preserved in Skeletal and Cardiac Muscle Microvasculature but Not in Conduit Artery in Obese Humans With Vascular Insulin Resistance. Diabetes Care, 2020, 43, 634-642. | 4.3 | 30 |

| # | Article | IF | Citations |
|---|---|---|---|
| 946 | Aortic blood pressure and arterial stiffness in patients with controlled resistant and nonâ€resistant hypertension. Journal of Clinical Hypertension, 2020, 22, 167-173. | 1.0 | 2 |
| 947 | Cardiac functions and aortic elasticity in children with inflammatory bowel disease: effect of age at disease onset. Cardiology in the Young, 2020, 30, 313-317. | 0.4 | 3 |
| 948 | <p>Uric Acid and Arterial Stiffness</p>. Therapeutics and Clinical Risk Management, 2020, Volume 16, 39-54. | 0.9 | 28 |
| 949 | Vascular improvements in individuals with type 2 diabetes following a 1Âyear randomised controlled exercise intervention, irrespective of changes in cardiorespiratory fitness. Diabetologia, 2020, 63, 722-732. | 2.9 | 11 |
| 950 | Non-alcoholic Fatty Liver Disease and Its Links with Inflammation and Atherosclerosis. Current Atherosclerosis Reports, 2020, 22, 7. | 2.0 | 29 |
| 951 | Live endothelial cells on plasma-nitrided and oxidized titanium: An approach for evaluating biocompatibility. Materials Science and Engineering C, 2020, 113, 111014. | 3.8 | 7 |
| 952 | Vascular Calcificationâ€"New Insights into Its Mechanism. International Journal of Molecular Sciences, 2020, 21, 2685. | 1.8 | 210 |
| 953 | Glycation-induced protein aggregation and cellular toxicity: an insight into the disease realm of high dietary sugar intake. , 2020, , 251-275. | | 0 |
| 954 | Sex differences in vascular aging in response to testosterone. Biology of Sex Differences, 2020, 11, 18. | 1.8 | 51 |
| 955 | Ryanodine receptor subtypes regulate Ca2+ sparks/spontaneous transient outward currents and myogenic tone of uterine arteries in pregnancy. Cardiovascular Research, 2021, 117, 792-804. | 1.8 | 9 |
| 956 | Vascular Extracellular Matrix Remodeling and Hypertension. Antioxidants and Redox Signaling, 2021, 34, 765-783. | 2.5 | 41 |
| 957 | 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 |
| 958 | The time has come to extend the expiration limit of cryopreserved allograft heart valves. Cell and Tissue Banking, 2021, 22, 161-184. | 0.5 | 8 |
| 959 | Mechanical, structural, and physiologic differences in human elastic and muscular arteries of different ages: Comparison of the descending thoracic aorta to the superficial femoral artery. Acta Biomaterialia, 2021, 119, 268-283. | 4.1 | 29 |
| 960 | Predictive value of cardio-ankle vascular index for the risk of end-stage renal disease. CKJ: Clinical Kidney Journal, 2021, 14, 255-260. | 1.4 | 1 |
| 961 | Adropin: a hepatokine modulator of vascular function and cardiac fuel metabolism. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H238-H244. | 1.5 | 29 |
| 962 | Central blood pressure and aortic pulse wave reflection in water-exercised postmenopausal hypertensive women: A cross-sectional study. Experimental Gerontology, 2021, 143, 111146. | 1.2 | 1 |
| 963 | Relationship between endothelial function and vascular stiffness on lower limit of cerebral autoregulation in patients undergoing cardiovascular surgery. Artificial Organs, 2021, 45, 382-389. | 1.0 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 964 | Arterial elasticity, endothelial function and intracranial vascular health: A multimodal MRI study. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 1390-1397. | 2.4 | 14 |
| 965 | 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 |
| 966 | Aortic wall elasticity and left ventricular function in hypertensive patients with nonsignificant coronary artery disease. Ultrasound, 2021, 29, 162-171. | 0.3 | 2 |
| 967 | New indices of arterial stiffness correlate with disease severity and mid-term prognosis in acute decompensated heart failure. Internal and Emergency Medicine, 2021, 16, 661-668. | 1.0 | 1 |
| 968 | The Effect of Curcumin Supplementation on Pulse Wave Velocity in Patients with Metabolic Syndrome: A Randomized, Double-Blind, Placebo-Controlled Trial. Advances in Experimental Medicine and Biology, 2021, 1308, 1-11. | 0.8 | 16 |
| 969 | Some Aspects of Role of Nitric Oxide in the Mechanisms of Hypertension (Experimental Study). Cardiology Research, 2021, 12, 16-24. | 0.5 | 8 |
| 970 | Role of Inflammation in Arterial Calcification. Korean Circulation Journal, 2021, 51, 114. | 0.7 | 17 |
| 971 | Physiology of Aging. , 2021, , 101-153. | | 5 |
| 972 | Physiology of Aging. , 2021, , 1-54. | | 0 |
| 973 | Associations between continuous glucose monitoring-derived metrics and arterial stiffness in Japanese patients with type 2 diabetes. Cardiovascular Diabetology, 2021, 20, 15. | 2.7 | 30 |
| 974 | Research Progress on the Correlation between Brachial and Ankle Pulse Wave Conduction Velocity and Hypertension Complicated with Stroke. Advances in Clinical Medicine, 2021, 11, 4332-4337. | 0.0 | 0 |
| 975 | Arterial stiffness in type 2 diabetes: determinants and indication of a discriminative value. Clinics, 2021, 76, e2172. | 0.6 | 6 |
| 976 | Ventricularâ€“Arterial Interaction in Patients With Heart Failure and a Preserved Ejection Fraction. , 2021, , 71-85. | | 0 |
| 977 | Extraintestinal manifestations of inflammatory bowel disease, nitroxidative stress and dysbiosis: What is the link between them?. Biocell, 2021, 45, 461-481. | 0.4 | 5 |
| 978 | The Pharmacology of Xenobiotics after Intracerebro Spinal Fluid Administration: Implications for the Treatment of Brain Tumors. International Journal of Molecular Sciences, 2021, 22, 1281. | 1.8 | 3 |
| 979 | Two cases of COVID-19 monitored by a wearable biosensorâ€”a case report. MHealth, 2021, 7, 62-62. | 0.9 | 6 |
| 980 | 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 |
| 981 | Longitudinal association between leisure-time physical activity and vascular elasticity indices. BMC Cardiovascular Disorders, 2021, 21, 99. | 0.7 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 982 | Differential effects of dexamethasone on arterial stiffness, myocardial remodeling and blood pressure between normotensive and spontaneously hypertensive rats. Journal of Applied Toxicology, 2021, 41, 1673-1686. | 1.4 | 5 |
| 983 | Impedance plethysmography-based method in the assessment of subclinical atherosclerosis. Atherosclerosis, 2021, 319, 101-107. | 0.4 | 7 |
| 984 | Deciphering Alzheimerâ€™s Disease Pathogenic Pathway: Role of Chronic Brain Hypoperfusion on p-Tau and mTOR. Journal of Alzheimer's Disease, 2021, 79, 1381-1396. | 1.2 | 11 |
| 986 | Constitutive modeling using structural information on collagen fiber direction and dispersion in human superficial femoral artery specimens of different ages. Acta Biomaterialia, 2021, 121, 461-474. | 4.1 | 27 |
| 987 | 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 |
| 988 | The Utility of Cerebrovascular Reactivity MRI in Brain Rehabilitation: A Mechanistic Perspective. Frontiers in Physiology, 2021, 12, 642850. | 1.3 | 8 |
| 989 | Blind Source Separation of Retinal Pulsatile Patterns in Optic Nerve Head Video-Recordings. IEEE Transactions on Medical Imaging, 2021, 40, 852-864. | 5.4 | 6 |
| 990 | Stiffness and Aging in Cardiovascular Diseases: The Dangerous Relationship between Force and Senescence. International Journal of Molecular Sciences, 2021, 22, 3404. | 1.8 | 18 |
| 991 | The right ventricular transcriptome signature in Ossabaw swine with cardiometabolic heart failure: implications for the coronary vasculature. Physiological Genomics, 2021, 53, 99-115. | 1.0 | 4 |
| 992 | Biochemicalâ€•and Biophysicalâ€Induced Barriergenesis in the Bloodâ€“Brain Barrier: A Review of Barriergenic Factors for Use in In Vitro Models. Advanced NanoBiomed Research, 2021, 1, 2000068. | 1.7 | 2 |
| 993 | Polymorphism of the bradykinin type 2 receptor gene modulates blood pressure profile and microvascular function in prepubescent children. Peptides, 2021, 137, 170491. | 1.2 | 1 |
| 994 | Inflammation, Nitro-Oxidative Stress, Impaired Autophagy, and Insulin Resistance as a Mechanistic Convergence Between Arterial Stiffness and Alzheimerâ€™s Disease. Frontiers in Molecular Biosciences, 2021, 8, 651215. | 1.6 | 16 |
| 996 | Beneficial Effect of Statin Therapy on Arterial Stiffness. BioMed Research International, 2021, 2021, 1-19. | 0.9 | 21 |
| 997 | New Drugs and Interventional Strategies for the Management of Hypertension. Current Pharmaceutical Design, 2021, 27, 1396-1406. | 0.9 | 1 |
| 998 | Correlation between left atrial expansion index and stroke subtype: A 10â€Year Followâ€Up Study. Echocardiography, 2021, 38, 861-870. | 0.3 | 4 |
| 999 | Role of dyslipidemia in early vascular aging syndrome. Turkish Journal of Medical Sciences, 2021, 51, 727-734. | 0.4 | 10 |
| 1000 | 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 |
| 1001 | Carotid stiffness, intimaâ€“media thickness and aortic augmentation index among adults with SARSâ€CoVâ€2. Experimental Physiology, 2022, 107, 694-707. | 0.9 | 51 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1002 | Ideal cardiovascular health in women with systemic lupus erythematosus: Association with arterial stiffness, inflammation, and fitness. International Journal of Cardiology, 2021, 330, 207-213. | 0.8 | 4 |
| 1003 | ECHOCARDIOGRAPHIC ASSESSMENT OF HYPERTENSIVE CHANGES IN ELDERLY PATIENTS OF ISOLATED SYSTOLIC HYPERTENSION WITH SPECIAL REFERENCE TO CARDIOVASCULAR COMPLICATIONS. Asian Journal of Pharmaceutical and Clinical Research, 0, , 46-51. | 0.3 | 0 |
| 1004 | Threeâ€dimensional assessment of brain arterial compliance: Technical development, comparison with aortic pulse wave velocity, and age effect. Magnetic Resonance in Medicine, 2021, 86, 1917-1928. | 1.9 | 3 |
| 1005 | Decellularized dermis extracellular matrix alloderm mechanically strengthens biological engineered tunica adventitia-based blood vessels. Scientific Reports, 2021, 11, 11384. | 1.6 | 6 |
| 1006 | Greater daily glucose variability and lower time in range assessed with continuous glucose monitoring are associated with greater aortic stiffness: The Maastricht Study. Diabetologia, 2021, 64, 1880-1892. | 2.9 | 21 |
| 1007 | Prolonged Elevation of Arterial Stiffness Following Peak Aerobic Exercise in Individuals With Chronic Stroke. Frontiers in Physiology, 2021, 12, 666171. | 1.3 | 5 |
| 1008 | Evaluation of nonâ€invasive arterial stiffness parameters and their relationship with physical activity, anthropometric indices and lipid profiles in healthy middleâ€aged adults: Results of the PERSIAN cohort study. International Journal of Clinical Practice, 2021, 75, e14275. | 0.8 | 4 |
| 1009 | Supramolecular Click Product Interactions Induce Dynamic Stiffening of Extracellular Matrix-Mimetic Hydrogels. Biomacromolecules, 2021, 22, 3040-3048. | 2.6 | 8 |
| 1010 | Heat therapy: mechanistic underpinnings and applications to cardiovascular health. Journal of Applied Physiology, 2021, 130, 1684-1704. | 1.2 | 33 |
| 1011 | Serum MMPâ€3 and its association with central arterial stiffness among young adults is moderated by smoking and BMI. Physiological Reports, 2021, 9, e14920. | 0.7 | 3 |
| 1012 | Adipokines and Arterial Stiffness in Obesity. Medicina (Lithuania), 2021, 57, 653. | 0.8 | 20 |
| 1013 | Sleep moderates the association between arterial stiffness and 24-hour blood pressure variability. Sleep Medicine, 2021, 83, 222-229. | 0.8 | 7 |
| 1014 | Heart failure with preserved ejection fraction in patients with type 2 diabetes mellitus: pathophysiology and treatment options. Medical Herald of the South of Russia, 2021, 12, 6-15. | 0.2 | 1 |
| 1015 | Association of monocyte-to-high density lipoprotein ratio with arterial stiffness in patients with diabetes. BMC Cardiovascular Disorders, 2021, 21, 362. | 0.7 | 6 |
| 1017 | Arterial Stiffness Assessment in Children with Familial Hypercholesterolemia. , 0, , . | | 0 |
| 1018 | Role of Matrix Gla Protein in the Complex Network of Coronary Artery Disease: A Comprehensive Review. Life, 2021, 11, 737. | 1.1 | 4 |
| 1019 | Continuous flow left ventricular assist devices do not worsen endothelial function in subjects with chronic heart failure: a pilot study. ESC Heart Failure, 2021, 8, 3587-3593. | 1.4 | 8 |
| 1020 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1021 | Renal markers and risks of all cause and cardiovascular mortality from the Taichung community based cohort study. Scientific Reports, 2021, 11, 14143. | 1.6 | 6 |
| 1022 | 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 |
| 1023 | Waste Clearance in the Brain. Frontiers in Neuroanatomy, 2021, 15, 665803. | 0.9 | 32 |
| 1024 | An inflammatory aging clock (iAge) based on deep learning tracks multimorbidity, immunosenescence, frailty and cardiovascular aging. Nature Aging, 2021, 1, 598-615. | 5.3 | 202 |
| 1025 | Cardiovascular Risk Reduction in Women Following Hypertensive Disorders of Pregnancy â€“ a Prospective, Randomised, Controlled Interventional Study. Geburtshilfe Und Frauenheilkunde, 2021, 81, 966-978. | 0.8 | 6 |
| 1026 | 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 |
| 1027 | 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 |
| 1028 | Gut Microbiome-Derived Metabolite Trimethylamine N-Oxide Induces Aortic Stiffening and Increases Systolic Blood Pressure With Aging in Mice and Humans. Hypertension, 2021, 78, 499-511. | 1.3 | 47 |
| 1029 | Arterial stiffness and carotid distensibility following acute formaldehyde exposure in female adults. Toxicology and Industrial Health, 2021, 37, 535-546. | 0.6 | 2 |
| 1030 | Remote Ischemic Perconditioning Ameliorates Myocardial Ischemia and Reperfusion-Induced Coronary Endothelial Dysfunction and Aortic Stiffness in Rats. Journal of Cardiovascular Pharmacology and Therapeutics, 2021, 26, 702-713. | 1.0 | 6 |
| 1031 | Cardiorespiratory Fitness, Fat Mass, and Cardiometabolic Health with Endothelial Function, Arterial Elasticity, and Stiffness. Medicine and Science in Sports and Exercise, 2022, 54, 141-152. | 0.2 | 23 |
| 1032 | Doxorubicin induces arterial stiffness: A comprehensive in vivo and ex vivo evaluation of vascular toxicity in mice. Toxicology Letters, 2021, 346, 23-33. | 0.4 | 15 |
| 1033 | Central blood pressure lowering effect of telmisartanâ€rosuvastatin singleâ€pill combination in hypertensive patients combined with dyslipidemia: A pilot study. Journal of Clinical Hypertension, 2021, 23, 1664-1674. | 1.0 | 5 |
| 1034 | Clinical roles of vascular function assessment in cancer care. Supportive Care in Cancer, 2021, , 1. | 1.0 | 0 |
| 1035 | Causal Associations of Obesity With Chronic Kidney Disease and Arterial Stiffness: A Mendelian Randomization Study. Journal of Clinical Endocrinology and Metabolism, 2022, 107, e825-e835. | 1.8 | 11 |
| 1036 | Dynamic Crosstalk between Vascular Smooth Muscle Cells and the Aged Extracellular Matrix. International Journal of Molecular Sciences, 2021, 22, 10175. | 1.8 | 14 |
| 1037 | Predictors of Arterial Stiffness in Law Enforcement Officers. International Journal of Environmental Research and Public Health, 2021, 18, 10190. | 1.2 | 2 |
| 1038 | Overexpression of dimethylarginine dimethylaminohydrolase 1 protects from angiotensin II-induced cardiac hypertrophy and vascular remodeling. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H825-H838. | 1.5 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1039 | Wavelet analysis for early identification of HRV changes in offspring with genetic predisposition to hypertension in Oman. Technology and Health Care, 2021, 29, 869-879. | 0.5 | 0 |
| 1040 | Beneficial effects and health benefits of Astaxanthin molecules on animal production: A review. Research in Veterinary Science, 2021, 138, 69-78. | 0.9 | 39 |
| 1041 | Forty-Year Anniversary of Arteriosclerosis, Thrombosis, and Vascular Biology. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 2353-2356. | 1.1 | 3 |
| 1042 | Time-efficient, high-resistance inspiratory muscle strength training for cardiovascular aging. Experimental Gerontology, 2021, 154, 111515. | 1.2 | 11 |
| 1043 | Effect of combined aerobic and resistance exercise on blood pressure in postmenopausal women: A systematic review and meta-analysis of randomized controlled trials. Experimental Gerontology, 2021, 155, 111560. | 1.2 | 11 |
| 1044 | Ageing, Hypertension and Aortic Valve Stenosis: A Conscious Uncoupling. Heart Lung and Circulation, 2021, 30, 1627-1636. | 0.2 | 10 |
| 1045 | Steady diffusion of an ideal fluid through a two-layer thick walled pre-stressed and fiber-reinforced hollow cylinder within the context of mixture theory. International Journal of Engineering Science, 2021, 169, 103575. | 2.7 | 3 |
| 1046 | The Safety of Very-long-term Intake of a Ketogenic Diet Containing Medium-chain Triacylglycerols. Journal of Oleo Science, 2021, 70, 989-993. | 0.6 | 2 |
| 1047 | Regulation of Arterial Tone in Rats Fed a Long-Term High-Salt Diet. Journal of Evolutionary Biochemistry and Physiology, 2021, 57, 145-155. | 0.2 | 2 |
| 1048 | The Physiology of Aging. , 2012, , 17-31. | | 5 |
| 1050 | Cell-Generated Forces in Tissue Assembly, Function, and Disease. , 2011, , 47-74. | | 2 |
| 1051 | Exercise Training for the Modification of Arterial Stiffness and Wave Reflections. , 2014, , 541-552. | | 1 |
| 1052 | Matrix Metalloproteinases and Hypertension. , 2014, , 279-293. | | 1 |
| 1053 | Arterial Aging: The Role of Hormonal and Metabolic Status and Telomere Biology. Healthy Ageing and Longevity, 2019, , 329-348. | 0.2 | 3 |
| 1055 | Hypertension and Atherosclerosis: Pathophysiology, Mechanisms and Benefits of BP Control. , 2016, , 201-216. | | 6 |
| 1056 | Echocardiography in Anatomic Imaging and Hemodynamic Evaluation of Adults with Congenital Heart Disease. , 2009, , 105-150. | | 2 |
| 1057 | Uncarboxylated matrix Gla-protein: A biomarker of vitamin K status and cardiovascular risk. Clinical Biochemistry, 2020, 83, 49-56. | 0.8 | 23 |
| 1058 | The molecular mechanism of mechanotransduction in vascular homeostasis and disease. Clinical Science, 2020, 134, 2399-2418. | 1.8 | 60 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1059 | Physical activity and markers of glycation in older individuals: data from a combined cross-sectional and randomized controlled trial (EXAMIN AGE). Clinical Science, 2020, 134, 1095-1105. | 1.8 | 5 |
| 1060 | Vascular stiffness and aging in HIV. Sexual Health, 2011, 8, 474. | 0.4 | 8 |
| 1061 | Comparison of pulse wave analysis parameters by oscillometry in hypertensive diabetic and nondiabetic patients in a Brazilian outpatient care. Medicine (United States), 2019, 98, e18100. | 0.4 | 6 |
| 1062 | Endovascular Repair of Blunt Thoracic Aortic Trauma is Associated With Increased Left Ventricular Mass, Hypertension, and Off-target Aortic Remodeling. Annals of Surgery, 2021, 274, 1089-1098. | 2.1 | 18 |
| 1063 | Cardiovascular physiology in the older adults. Journal of Geriatric Cardiology, 2015, 12, 196-201. | 0.2 | 48 |
| 1064 | Prevention of Non-Enzymatic Glycosylation (Glycation) : Implication in the Treatment of Diabetic Complication. International Journal of Health Sciences, 2016, 10, 247-263. | 0.4 | 53 |
| 1065 | Association of Plasma Homocysteine Level and Arterial Stiffness in Subjects with Type 2 Diabetes Mellitus. Journal of Lipid and Atherosclerosis, 2013, 2, 27. | 1.1 | 1 |
| 1066 | Matrix Stiffness Regulates Endothelial Cell Proliferation through Septin 9. PLoS ONE, 2012, 7, e46889. | 1.1 | 117 |
| 1067 | Male Gender, Increased Blood Viscosity, Body Mass Index and Triglyceride Levels Are Independently Associated with Systemic Relative Hypertension in Sickle Cell Anemia. PLoS ONE, 2013, 8, e66004. | 1.1 | 22 |
| 1068 | Increased Tea Consumption Is Associated with Decreased Arterial Stiffness in a Chinese Population. PLoS ONE, 2014, 9, e86022. | 1.1 | 11 |
| 1069 | The 9p21 Locus Is Associated with Coronary Artery Disease and Cardiovascular Events in the Presence (but Not in the Absence) of Coronary Calcification. PLoS ONE, 2014, 9, e94823. | 1.1 | 3 |
| 1070 | Efficacy of High Intensity Exercise on Disease Activity and Cardiovascular Risk in Active Axial Spondyloarthritis: A Randomized Controlled Pilot Study. PLoS ONE, 2014, 9, e108688. | 1.1 | 83 |
| 1071 | Early Cellular Changes in the Ascending Aorta and Myocardium in a Swine Model of Metabolic Syndrome. PLoS ONE, 2016, 11, e0146481. | 1.1 | 4 |
| 1072 | Vascular Tone Regulation Induced by C-Type Natriuretic Peptide: Differences in Endothelium-Dependent and -Independent Mechanisms Involved in Normotensive and Spontaneously Hypertensive Rats. PLoS ONE, 2016, 11, e0167817. | 1.1 | 17 |
| 1073 | Dose responses of vitamin D3 supplementation on arterial stiffness in overweight African Americans with vitamin D deficiency: A placebo controlled randomized trial. PLoS ONE, 2017, 12, e0188424. | 1.1 | 48 |
| 1074 | 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 |
| 1075 | Vascular ageing: main symptoms and mechanisms. Cardiovascular Therapy and Prevention (Russian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 0.4 | 19 |
| 1076 | Is there a possible relationship between gastric intestinal metaplasia and systemic arterial stiffness?. Revista Espanola De Enfermedades Digestivas, 2019, 111, 500-506. | 0.1 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1077 | The Assessment of Finger Photoplethysmography Fitness Index (PPGF) among Young Men with Cardiovascular Disease Risk Factors: A Cross Sectional Study. Medicine & Health, 2016, 11, 218-231. | 0.2 | 5 |
| 1078 | 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 |
| 1079 | Should pulse pressure influence prescribing?. Australian Prescriber, 2017, 40, 26-29. | 0.5 | 9 |
| 1080 | Mechanisms of Protective Effects of SGLT2 Inhibitors in Cardiovascular Disease and Renal Dysfunction. Current Topics in Medicinal Chemistry, 2019, 19, 1818-1849. | 1.0 | 22 |
| 1081 | Imaging Subclinical Atherosclerosis: Where Do We Stand?. Current Cardiology Reviews, 2016, 13, 47-55. | 0.6 | 17 |
| 1082 | Midlife Arterial Stiffness and Brain Activation During Working Memory Task. Open Hypertension Journal, 2014, 6, 3-9. | 0.8 | 2 |
| 1083 | Arterial structure and function in physically active persons with spinal cord injury. Journal of Rehabilitation Medicine, 2008, 40, 535-538. | 0.8 | 17 |
| 1084 | Arterial Stiffness Measured by Pulse Wave Velocity in Patients with Early Sepsis / ArtÄ“riju CietÄ«ba Un Pulsa ViÄ¼Å†a IzplatÄ«Å¡anÄs Ä€trums Pacientiem Ar AgrÄ«nu Sepsi. Proceedings of the Latvian Academy of Sciences, 2014, 68, 237-241. | 0.3 | 3 |
| 1085 | Assessment of arterial stiffness affected by atorvastatin in coronary artery disease using pulse wave velocity. Clinical and Investigative Medicine, 2009, 32, 238. | 0.3 | 17 |
| 1086 | Effects of Shallow Water Aerobic Exercise Training on Arterial Stiffness and Pulse Wave Analysis in Older Individuals. International Journal of Aquatic Research and Education, 2014, 8, . | 0.1 | 2 |
| 1087 | Functional alterrations in vasculatures in middle-aged subjects. Japanese Journal of Geriatrics, 2010, 47, 194-197. | 0.0 | 1 |
| 1088 | Hemodynamic Instability in Heart Failure Intensifies Age-Dependent Cognitive Decline. Journal of Alzheimer's Disease, 2020, 76, 63-84. | 1.2 | 6 |
| 1089 | Arterial Stiffening Contributes to Impairment of Cerebrovascular Reactivity in Patients With Coronary Artery Disease Without Carotid Stenosis. Physiological Research, 2015, 64, 335-343. | 0.4 | 9 |
| 1090 | Arterial structure and function in inflammatory bowel disease. World Journal of Gastroenterology, 2015, 21, 11304. | 1.4 | 52 |
| 1091 | Measuring Ascending Aortic Stiffness <em>In Vivo</em> in Mice Using Ultrasound. Journal of Visualized Experiments, 2014, , . | 0.2 | 6 |
| 1092 | Accelerated progression of arterial stiffness in dialysis patients compared with the general population. Korean Journal of Internal Medicine, 2013, 28, 464. | 0.7 | 20 |
| 1093 | The Changes of Central Aortic Pulse Wave Analysis in Metabolic Syndrome. Korean Diabetes Journal, 2008, 32, 522. | 0.8 | 3 |
| 1094 | Coronary artery disease and its association with Vitamin D deficiency. Journal of Mid-Life Health, 2016, 7, 56. | 0.4 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1095 | Comparison of the effects of yoga and lifestyle modification on grade-I hypertension in elderly males: A preliminary study. International Journal of Clinical and Experimental Physiology, 2014, 1, 68. | 0.2 | 6 |
| 1096 | A Review of Arterial Stiffness and HIV Infection in Adult Africans. Journal of Hypertension: Open Access, 2016, 05, . | 0.2 | 1 |
| 1097 | Cardiometabolic Phenotype and Arterial Stiffness in HIV-Positive Black African Patients. Open Journal of Preventive Medicine, 2014, 04, 182-192. | 0.2 | 4 |
| 1098 | Invasive aortic pulse wave velocity as a marker for arterial stiffness predicts outcome of renal sympathetic denervation. EuroIntervention, 2016, 12, e684-e692. | 1.4 | 37 |
| 1099 | Carbohydrate Restriction Reduces Lipids and Inflammation and Prevents Atherosclerosis in Guinea Pigs. Journal of Atherosclerosis and Thrombosis, 2008, 15, 235-243. | 0.9 | 11 |
| 1100 | State of the Art Review: Brachial-Ankle PWV. Journal of Atherosclerosis and Thrombosis, 2020, 27, 621-636. | 0.9 | 51 |
| 1101 | Relationship between vascular age and classic cardiovascular risk factors and arterial stiffness. Cardiology Journal, 2013, 20, 394-401. | 0.5 | 18 |
| 1102 | Increased systemic arterial stiffness in patients with chronic thromboembolic pulmonary hypertension. Cardiology Journal, 2020, 27, 742-748. | 0.5 | 8 |
| 1103 | Martial Arts Training Attenuates Arterial Stiffness in Middle Aged Adults. Asian Journal of Sports Medicine, 2013, 4, 201-7. | 0.1 | 16 |
| 1104 | Arterial Stiffness in Patients with Deep and Lobar Intracerebral Hemorrhage. Journal of Stroke, 2014, 16, 184. | 1.4 | 23 |
| 1105 | Stiffening of the Extrapulmonary Arteries From Rats in Chronic Hypoxic Pulmonary Hypertension. Journal of Research of the National Institute of Standards and Technology, 2008, 113, 239. | 0.4 | 31 |
| 1106 | Visceral adiposity index is associated with arterial stiffness in hypertensive adults with normal-weight: the china H-type hypertension registry study. Nutrition and Metabolism, 2021, 18, 90. | 1.3 | 5 |
| 1108 | Current Concepts in Intracranial Interstitial Fluid Transport and the Glymphatic System: Part Iâ€"Anatomy and Physiology. Radiology, 2021, 301, 502-514. | 3.6 | 31 |
| 1109 | On-Treatment Blood Pressure and Cardiovascular Outcomes in Adults WithÂHypertension and Left VentricularÂHypertrophy. Journal of the American College of Cardiology, 2021, 78, 1485-1495. | 1.2 | 12 |
| 1110 | Algorithm for predicting cardiovascular events in low/moderate risk patients using traditional and new factors: data from 10-year follow-up study. Cardiovascular Therapy and Prevention (Russian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1 | 0.4 | 1 |
| 1111 | Assessment of the aortic wall histological changes with ageing. Romanian Journal of Morphology and Embryology, 2021, 62, 85-100. | 0.4 | 4 |
| 1112 | Estimation of arterial stiffness in patients with chronic obstructive pulmonary disease. Pulmonologiya, 2008, , 45-50. | 0.2 | 2 |
| 1113 | Application of functional tests to estimate arterial stiffness in asthmatic patients. Pulmonologiya, 2008, , 42-46. | 0.2 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1114 | Evaluation of the central arterial pressure in patients with bronchial asthma. Pulmonologiya, 2008, , 15-19. | 0.2 | 0 |
| 1115 | Cardiovascular Risk Prediction by Measurement of Arterial Elastic Properties and Wall Thickness. , 2009, , 399-421. | | 2 |
| 1118 | Role of Vitamin D for Cardiovascular Health. , 2010, , 921-936. | | 1 |
| 1119 | From Vulnerable Plaque to Vulnerable Patient â€“ Part III. , 2011, , 517-535. | | 0 |
| 1120 | Estimation of arterial rigidity parameters in patients with gout and essential hypertension. Nauchno-Prakticheskaya Revmatologiya, 2010, . | 0.2 | 4 |
| 1121 | Limitations of the of the oscillometric method for blood pressure measurements in dialyzed patients. Medical Science Monitor, 2011, 17, MT35-MT40. | 0.5 | 2 |
| 1122 | The Effects of the Physical Activity Program on Body Composition, Depression and Risk Factors of Dementia in the Elderly Women. Journal of Life Science, 2011, 21, 424-434. | 0.2 | 5 |
| 1123 | Modern ultrasound methods and atherosclerosis assessment in patients with familial hypercholesterolemia. Cardiovascular Therapy and Prevention (Russian Federation), 2011, 10, 113-122. | 0.4 | 3 |
| 1124 | Other cardiovascular consequences of sleep apnea. , 2011, , 251-285. | | 0 |
| 1125 | High Cardio-Ankle Vascular Index in Patients Who Have Coronary Spastic Angina. The Journal of Japanese College of Angiology, 2012, 52, 41-45. | 0.1 | 0 |
| 1126 | Arterial Function Test. Korean Journal of Medicine, 2012, 82, 680. | 0.1 | 0 |
| 1127 | Association Between Gait Velocity and Arterial Stiffness in Individuals with Chronic Hemiplegia. Journal of Adapted Physical Activity and Exercise, 2012, 20, 137-146. | 0.1 | 0 |
| 1128 | Automatic blood pressure measurement device using oscillometric method and Korotkoff sounds. International Journal of Advanced Smart Convergence, 2012, 1, 20-25. | 0.0 | 1 |
| 1129 | Arterial dysfunction and systemic inflammation in patients with bronchial asthma. Russian Journal of Allergy, 2012, 9, 42-49. | 0.1 | 0 |
| 1130 | Relationship between peripheral arterial disease, carotid intima-media thickness and C-reactive protein in elderly diabetic patients. Advances in Aging Research, 2013, 02, 115-120. | 0.3 | 1 |
| 1131 | Title is missing!. Journal of Medical and Biological Engineering, 2013, , . | 1.0 | 1 |
| 1132 | NON-SPECIFIC CONGENITAL CONNECTIVE TISSUE DISORDERS AS AN INDEPENDENT PREDICTOR OF STRUCTURAL AND FUNCTIONAL ARTERIAL CHANGES. Cardiovascular Therapy and Prevention (Russian) Tj ETQq0 0 0 rgBT /Overlock 10 T | 0.4 | 6 |
| 1133 | Genetic and Cellular Aspects of Arterial Stiffness. , 2014, , 83-94. | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1134 | Pulse Pressure Amplification and Arterial Stiffness in Middle Age. , 2014, , 281-295. | | 0 |
| 1135 | Structural Alterations in Arterial Stiffness: Role of Arterial Fibrosis. , 2014, , 205-213. | | 0 |
| 1136 | The impact of arterial stiffness on cognitive status in elderly diabetic patients. Romanian Journal of Diabetes Nutrition and Metabolic Diseases, 2014, 21, 63-67. | 0.3 | 0 |
| 1137 | Reversing Arterial Stiffening and Calcification: A Pipe Dream?. , 2015, , 145-152. | | 0 |
| 1138 | Association between Arterial Stiffness and Acute Exacerbations in Patients with Chronic Obstructive Pulmonary Disease. Eurasian Journal of Pulmonology, 2014, 16, 89-93. | 0.2 | 0 |
| 1139 | PENGARUH HIPERTENSI TERHADAP DISFUNGSI EREKSI. Jurnal E-Biomedik, 2014, 2, . | 0.1 | 0 |
| 1140 | Comparison of Clinical Laboratory Data and Prevalence according to Arterial Stiffness in Stroke Patients. Korean Journal of Clinical Laboratory Science, 2014, 46, 143-149. | 0.1 | 2 |
| 1141 | Assessing mechanical properties of tissue phantoms with non-contact optical coherence elastography and Michelson interferometric vibrometry. Journal of Biomedical Photonics and Engineering, 0, , 229-235. | 0.4 | 0 |
| 1142 | Chronic Kidney Disease and Renovascular Interactions. , 2015, , 299-312. | | 0 |
| 1143 | The effect of coronary artery bypass grafting on aortic functions. Turkish Journal of Thoracic and Cardiovascular Surgery, 2015, , 19-25. | 0.2 | 0 |
| 1144 | Central Aortic Blood Pressure and Pulse Wave Velocity as Additional Markers in Patients with Hypertension. Hypertension Journal, 2015, 1, 73-82. | 0.1 | 1 |
| 1145 | The Correlation of Pulse Wave Velocity and Atherosclerotic Risk Factor in Stroke Patients. Korean Journal of Clinical Laboratory Science, 2015, 47, 28-34. | 0.1 | 0 |
| 1146 | The Analysis of Pulse Wave Velocity of Jeju female divers. Journal of Digital Convergence, 2015, 13, 515-521. | 0.1 | 4 |
| 1147 | Association between arterial stiffness and acute exacerbations in patients with chronic obstructive pulmonary disease. , 2015, , . | | 0 |
| 1148 | Determination of differentiated hemodynamics types based on assessment of integral circulation indicators in healthy people and patients with hypertension. Kazan Medical Journal, 2015, 96, 911-917. | 0.1 | 1 |
| 1150 | Predictors of Calf Arterial Compliance in Male Veterans With Psychiatric Diagnoses. primary care companion for CNS disorders, The, 2016, 18, . | 0.2 | 2 |
| 1151 | A STUDY OF HIGH SENSITIVITY C-REACTIVE PROTEIN (hs-CRP) LEVELS IN CEREBROVASCULAR ACCIDENT (STROKE). Journal of Evolution of Medical and Dental Sciences, 2016, 5, 4655-4660. | 0.1 | 0 |
| 1152 | RelaÃ§Ã£o entre parÃ¢metros de monitorizaÃ§Ã£o ambulatorial de pressÃ£o arterial e o Ãndice ambulatorial de rigidez arterial. Revista Ciencia Y Cuidado, 2017, 14, 9. | 0.3 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1153 | Heart Failure with Normal Left Ventricular Ejection Fraction (HFNEF). , 2017, , 273-339. | | 0 |
| 1154 | Correlation of Adiposity Indices with Electrocardiographic Ventricular Variables and Vascular Stiffness in Young Adults. Journal of Clinical and Diagnostic Research JCDR, 2017, 11, CC21-CC24. | 0.8 | 3 |
| 1156 | Cardiac Physiology and Acute Heart Failure Syndromes. , 2017, , 1-80. | | 0 |
| 1157 | Center of Biomedical Research Excellence in Cardiovascular Health. Delaware Journal of Public Health, 2017, 3, 4-10. | 0.2 | 0 |
| 1159 | AGE-RELATED MORPHOMETRIC CHARACTERISTICS OF REMODELING OF ARTERIAL BED OF HIND LIMBS IN WHITE RATS WITH EXPERIMENTAL HYPERCHOLESTEROLEMIA. International Journal of Medicine and Medical Research, 2017, , . | 0.0 | 0 |
| 1160 | Care of the Elderly Critical Care Patient. , 2018, , 519-532. | | 0 |
| 1161 | Abstract P048: Segment-Specific Pulse Wave Velocity and Subclinical Cardiac Overload and Damage in Older Adults: The Atherosclerosis Risk in Communities (ARIC) Study. Circulation, 2018, 137, . | 1.6 | 0 |
| 1162 | DistensibilitÃ© et Ã©paisseur intima-media des artÃ¨res carotides et fÃ©morales en vol spatial de longue durÃ©e (Programme ISS Â«ÂCNES-ESA-NASA Vessel ImagingÂÂ»). Archives Des Maladies Du Coeur Et Des Vaisseaux - Pratique, 2018, 2018, 11-18. | 0.0 | 0 |
| 1163 | Aortic stiffness and polymorphisms of collagen-1 type 1a gene in COPD patients. Journal of Lung, Pulmonary & Respiratory Research, 2018, 5, 81-85. | 0.3 | 1 |
| 1164 | Phenotype-oriented approach to clinical evaluation of patients with chronic heart failure with preserved left ventricular ejection fraction. UMJ Heart & Vessels, 2018, . | 0.0 | 0 |
| 1165 | Do patients with rheumatoid arthritis have aorta stiffer than general population?. The Egyptian Journal of Internal Medicine, 2018, 30, 145-153. | 0.3 | 0 |
| 1168 | Achieving control of resistant hypertension: Not just the number of blood pressure medications. World Journal of Hypertension, 2019, 9, 1-16. | 0.8 | 0 |
| 1170 | Effects of Resistance and Combined training on Vascular Function in Type 2 Diabetes: A Systematic Review of Randomized Controlled Trials. Review of Diabetic Studies, 2019, 15, 16-25. | 0.5 | 9 |
| 1172 | Features of the immune response and vascular wall stiffness in workers exposed to industrial aerosols. Meditsina Truda I Promyshlennaia Ekologiia, 2019, 1, 850-854. | 0.1 | 0 |
| 1173 | A Comparison of Aortoiliac Disease between Eastern and Western Countries. Vascular Specialist International, 2019, 35, 184-188. | 0.2 | 4 |
| 1174 | Cardiovascular Response. , 2020, , 1-8. | | 0 |
| 1175 | Associations of cardiorespiratory fitness, physical activity, and BMI with arterial health in middleâ€aged men and women. Physiological Reports, 2020, 8, e14438. | 0.7 | 8 |
| 1176 | Hypertension and cardiometabolic comorbidity in patients with different levels of blood glucose in the non-diabetic range. Arterial Hypertension (Russian Federation), 2020, 26, 219-229. | 0.1 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1177 | Arterial stiffness can occur early in mild-to-moderate chronic obstructive pulmonary disease. Egyptian Journal of Bronchology, 2020, 14, . | 0.3 | 0 |
| 1178 | Microgravity Ã— Radiation: A Space Mechanobiology Approach Toward Cardiovascular Function and Disease. Frontiers in Cell and Developmental Biology, 2021, 9, 750775. | 1.8 | 7 |
| 1179 | Electrical modelling of tissue experiments confirms precise locations of resistance and compliance in systemic arterial tree â€•they are mutually exclusive. Clinical and Experimental Pharmacology and Physiology, 2021, , . | 0.9 | 1 |
| 1182 | Vascular age concept: role in assessing risk and choosing therapy. Meditsinskiy Sovet, 2020, , 51-57. | 0.1 | 0 |
| 1183 | Ultrasound deep learning for monitoring of flowâ€“vessel dynamics in murine carotid artery. Ultrasonics, 2022, 120, 106636. | 2.1 | 16 |
| 1184 | The relationship between arterial stiffness index and coronary heart disease and its severity. BMC Cardiovascular Disorders, 2021, 21, 527. | 0.7 | 8 |
| 1185 | Aortic Stiffness: Epidemiology, Risk Factors, and Relevant Biomarkers. Frontiers in Cardiovascular Medicine, 2021, 8, 709396. | 1.1 | 27 |
| 1186 | Kronik bÃ¶brek hastalarÄ±nda anormal kalp geometrisi ve sol ventrikÃ¼l hipertrofisi. Cukurova Medical Journal, 2020, 45, 1089-1098. | 0.1 | 0 |
| 1188 | Acute effects of static passive stretching without voluntary contraction of skeletal muscles on arterial stiffness in elderly lacking exercise habits. The Journal of Physical Fitness and Sports Medicine, 2020, 9, 217-222. | 0.2 | 0 |
| 1189 | SERUM LIPID PROFILE AND ARTERIAL STIFFNESS IN NON-DIPPERS. International Journal of Medicine and Medical Research, 2020, 6, 5-13. | 0.0 | 0 |
| 1190 | Hyperglycemia and arterial stiffness across two generations. Journal of Hypertension, 2021, 39, 471-475. | 0.3 | 9 |
| 1191 | Arterial stiffness in insulin resistance: the role of nitric oxide and angiotensin II receptors. Vascular Health and Risk Management, 2009, 5, 73-8. | 1.0 | 47 |
| 1192 | High-intensity interval training and hypertension: maximizing the benefits of exercise?. American Journal of Cardiovascular Disease, 2012, 2, 102-10. | 0.5 | 50 |
| 1193 | Subclinical, hemodynamic, and echocardiographic abnormalities of high pulse pressure in hypertensive and non-hypertensive adults. American Journal of Cardiovascular Disease, 2012, 2, 309-17. | 0.5 | 5 |
| 1194 | Large elastic artery stiffness with aging: novel translational mechanisms and interventions. , 2013, 4, 76-83. | | 28 |
| 1196 | Prevention of non-enzymatic glycosylation (glycation): Implication in the treatment of diabetic complication. International Journal of Health Sciences, 2016, 10, 261-77. | 0.4 | 22 |
| 1197 | Can anti-inflammatory medications improve symptoms and reduce mortality in schizophrenia?. Current Psychiatry, 2016, 15, 52-57. | 1.7 | 6 |
| 1198 | Atrial Remodeling And Atrial Fibrillation: Mechanistic Interactions And Clinical Implications. Journal of Atrial Fibrillation, 2009, 2, 125. | 0.5 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1199 | Arterial Stiffness and Hypertension - Which Comes First?. MÃ¦dica, 2017, 12, 184-190. | 0.4 | 13 |
| 1200 | Aortic Arch Calcification on Routine Chest Radiography is Strongly and Independently Associated with Non-Dipper Blood Pressure Pattern. Arquivos Brasileiros De Cardiologia, 2020, 114, 109-117. | 0.3 | 2 |
| 1201 | Acute Effects of Winter Sports and Indoor Cycling on Arterial Stiffness. Journal of Sports Science and Medicine, 2020, 19, 460-468. | 0.7 | 2 |
| 1202 | Cardiovascular Response. , 2021, , 745-752. | | 0 |
| 1203 | 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 |
| 1204 | Chronic Kidney Disease and Arterial Stiffness: A Two-Way Path. Frontiers in Medicine, 2021, 8, 765924. | 1.2 | 26 |
| 1205 | Imaging of Glymphatic Flow and Neurodegeneration. , 2022, , 849-860. | | 0 |
| 1206 | Macrovascular and microvascular responses to prolonged sitting with and without bodyweight exercise interruptions: A randomized cross-over trial. Vascular Medicine, 2022, 27, 127-135. | 0.8 | 10 |
| 1207 | The Association Between Arterial Stiffness and Muscle Indices Among Healthy Subjects and Subjects With Cardiovascular Risk Factors: An Evidence-Based Review. Frontiers in Physiology, 2021, 12, 742338. | 1.3 | 6 |
| 1208 | Asymptomatic Carotid Disease and Cognitive Impairment: What Is the Evidence?. Frontiers in Neurology, 2021, 12, 741500. | 1.1 | 4 |
| 1209 | Differential biomechanics in resistance arteries of male compared with female Dahl hypertensive rats. Journal of Hypertension, 2022, 40, 596-605. | 0.3 | 3 |
| 1210 | Clinic and ambulatory blood pressure in relation to the interaction between plasma advanced glycation end products and sodium dietary intake and renal handling. Hypertension Research, 2022, 45, 665-674. | 1.5 | 6 |
| 1211 | Cardiovascular function in 8- to 9-year-old singletons born after ART with frozen and fresh embryo transfer. Human Reproduction, 2022, 37, 600-611. | 0.4 | 13 |
| 1212 | Organism's intoxication rate and elasticity of vessels in newborn rats â€“ offsprings of the rats, which were exposed to the action of tobacco smoke. Bukovinian Medical Herald, 2014, 18, . | 0.1 | 0 |
| 1213 | A review on prevention of glycation of proteins: Potential therapeutic substances to mitigate the severity of diabetes complications. International Journal of Biological Macromolecules, 2022, 195, 565-588. | 3.6 | 25 |
| 1214 | E-Cigarettes and Cardiopulmonary Health: Review for Clinicians. Circulation, 2022, 145, 219-232. | 1.6 | 36 |
| 1215 | Evaluation of Oxidative Stress Biomarkers, Pro-Inflammatory Cytokines, and Histological Changes in Experimental Hypertension, Dyslipidemia, and Type 1 Diabetes Mellitus. International Journal of Molecular Sciences, 2022, 23, 1438. | 1.8 | 12 |
| 1216 | Noninvasive Aortic Ultrafast Pulse Wave Velocity Associated With Framingham Risk Model: in vivo Feasibility Study. Frontiers in Cardiovascular Medicine, 2022, 9, 749098. | 1.1 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1217 | Predictors of arterial stiffness in adolescents and adults with type 1 diabetes: a cross-sectional study. BMJ Open Diabetes Research and Care, 2022, 10, e002491. | 1.2 | 2 |
| 1218 | Arterial Stiffness Probed by Dynamic Ultrasound Elastography Characterizes Waveform of Blood Pressure. IEEE Transactions on Medical Imaging, 2022, 41, 1510-1519. | 5.4 | 3 |
| 1219 | Optimization of Exercise Countermeasures to Spaceflight Using Blood Flow Restriction. Aerospace Medicine and Human Performance, 2022, 93, 32-45. | 0.2 | 5 |
| 1221 | Mechanoregulation of Vascular Endothelial Growth Factor Receptor 2 in Angiogenesis. Frontiers in Cardiovascular Medicine, 2021, 8, 804934. | 1.1 | 18 |
| 1222 | Novel elasticity measurements reveal C.Âelegans cuticle stiffens with age and in a long-lived mutant. Biophysical Journal, 2022, 121, 515-524. | 0.2 | 13 |
| 1223 | 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 |
| 1224 | Pathophysiological Consequences of At-Risk Alcohol Use; Implications for Comorbidity Risk in Persons Living With Human Immunodeficiency Virus. Frontiers in Physiology, 2021, 12, 758230. | 1.3 | 3 |
| 1225 | The Association between Exposure to Residential Indoor Volatile Organic Compounds and Measures of Central Arterial Stiffness in Healthy Middle-Aged Men and Women. International Journal of Environmental Research and Public Health, 2022, 19, 981. | 1.2 | 5 |
| 1226 | Analysis of effects of acute hypovolemia on arterial stiffness in rabbits monitored with cardio-ankle vascular index. Journal of Pharmacological Sciences, 2022, 148, 331-336. | 1.1 | 7 |
| 1227 | A mathematical model of maternal vascular growth and remodeling and changes in maternal hemodynamics in uncomplicated pregnancy. Biomechanics and Modeling in Mechanobiology, 2022, 21, 647-669. | 1.4 | 4 |
| 1228 | åŸºè^å¾®çŽ¯å¢ƒå'Œè¡€ç®¡ç¨³æ€• Scientia Sinica Vitae, 2022, , . | 0.1 | 0 |
| 1229 | Evaluation of the cardio-ankle vascular index in COVID-19 patients. Revista Da AssociaÃ§Ã£o MÃ©dica Brasileira, 2022, 68, 73-76. | 0.3 | 10 |
| 1230 | A Contemporary Review of the Effects of Exercise Training on Cardiac Structure and Function and Cardiovascular Risk Profile: Insights From Imaging. Frontiers in Cardiovascular Medicine, 2022, 9, 753652. | 1.1 | 4 |
| 1231 | Glucose Metabolic Disorders Enhance Vascular Dysfunction Triggered by Particulate Air Pollution: a Panel Study. Hypertension, 2022, 79, 1079-1090. | 1.3 | 8 |
| 1232 | Brachialâ€ankle pulse wave velocity as a measurement for increased carotid intimaâ€media thickness: A comparison with carotidâ€femoral pulse wave velocity in a Chinese communityâ€based cohort. Journal of Clinical Hypertension, 2022, 24, 409-417. | 1.0 | 10 |
| 1233 | Uremic toxin indoxyl sulfate induces dysfunction of vascular smooth muscle cells via integrin-Î²1/ERK signaling pathway. Clinical and Experimental Nephrology, 2022, , 1. | 0.7 | 1 |
| 1234 | Effects of Magnesium Citrate, Magnesium Oxide, and Magnesium Sulfate Supplementation on Arterial Stiffness: A Randomized, Doubleâ€Blind, Placeboâ€Controlled Intervention Trial. Journal of the American Heart Association, 2022, 11, e021783. | 1.6 | 9 |
| 1235 | Current state-of-the-art and utilities of machine learning for detection, monitoring, growth prediction, rupture risk assessment, and post-surgical management of abdominal aortic aneurysms. Applications in Engineering Science, 2022, 10, 100097. | 0.5 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1236 | (â€“)-Epicatechin Improves Vasoreactivity and Mitochondrial Respiration in Thermoneutral-Housed Wistar Rat Vasculature. Nutrients, 2022, 14, 1097. | 1.7 | 6 |
| 1237 | Mechanical Forces Govern Interactions of Host Cells with Intracellular Bacterial Pathogens. Microbiology and Molecular Biology Reviews, 2022, 86, e0009420. | 2.9 | 8 |
| 1238 | Common physiologic and proteomic biomarkers in pulmonary and coronary artery disease. PLoS ONE, 2022, 17, e0264376. | 1.1 | 3 |
| 1239 | Carotid Artery Stiffness: Imaging Techniques and Impact on Cerebrovascular Disease. Frontiers in Cardiovascular Medicine, 2022, 9, 852173. | 1.1 | 7 |
| 1240 | RhoBTB1 reverses established arterial stiffness in angiotensin IIâ€“induced hypertension by promoting actin depolymerization. JCI Insight, 2022, 7, . | 2.3 | 8 |
| 1241 | Wrist pulse signal acquisition and analysis for disease diagnosis: A review. Computers in Biology and Medicine, 2022, 143, 105312. | 3.9 | 14 |
| 1242 | Effects of Long-term Use of Proton Pump Inhibitors on Systemic Arterial Stiffness and Pulse Wave Velocity. Current Vascular Pharmacology, 2022, 20, 439-446. | 0.8 | 0 |
| 1243 | Noncoding RNAs in age-related cardiovascular diseases. Ageing Research Reviews, 2022, 77, 101610. | 5.0 | 33 |
| 1244 | The Relationship of Physical Activity Level With Arterial Stiffness, Cerebral Blood Flow, and Cognitive Function in Young Adults. Exercise Science, 2021, 30, 527-536. | 0.1 | 0 |
| 1245 | The Cardiovascular System in Space: Focus on In Vivo and In Vitro Studies. Biomedicines, 2022, 10, 59. | 1.4 | 40 |
| 1246 | Diabetes mellitus type 2 does not influence carotid stiffness in patients on maintenance hemodialysis. Postepy Higieny I Medycyny Doswiadczalnej, 2021, 75, 1012-1019. | 0.1 | 0 |
| 1247 | Vascular Function in Patients After Myocardial Infarction: The Importance of Physical Activity. Frontiers in Physiology, 2021, 12, 763043. | 1.3 | 4 |
| 1248 | An Overview of Vascular Dysfunction and Determinants: The Case of Children of African Ancestry. Frontiers in Pediatrics, 2021, 9, 769589. | 0.9 | 3 |
| 1249 | Inflammation and arterial stiffness. , 2022, , 315-325. | | 0 |
| 1250 | Six-month longitudinal tracking of arterial stiffness and blood pressure in young adults following SARS-CoV-2 infection. Journal of Applied Physiology, 2022, 132, 1297-1309. | 1.2 | 17 |
| 1251 | New Evidence About Aortic Valve Stenosis and Cardiovascular Hemodynamics. High Blood Pressure and Cardiovascular Prevention, 2022, 29, 231-237. | 1.0 | 3 |
| 1252 | Pressure and stiffness sensing together regulate vascular smooth muscle cell phenotype switching. Science Advances, 2022, 8, eabm3471. | 4.7 | 19 |
| 1253 | Effects of almond on cardiometabolic outcomes in patients with type 2 diabetes: A systematic review and metaâ€anâ€alysis of randomized controlled trials. Phytotherapy Research, 2022, 36, 1839-1853. | 2.8 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1254 | MFG-E8 promotes osteogenic transdifferentiation of smooth muscle cells and vascular calcification by regulating TGF-Î²1 signaling. Communications Biology, 2022, 5, 364. | 2.0 | 7 |
| 1266 | Evaluation of endothelial dysfunction with cardioâ€ankle vascular index measurements in patients with erectile dysfunction. Andrology, 2022, 10, 926-930. | 1.9 | 3 |
| 1270 | 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 |
| 1271 | 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 |
| 1272 | Sirt1 overexpression attenuates Westernâ€style dietâ€induced aortic stiffening in mice. Physiological Reports, 2022, 10, e15284. | 0.7 | 1 |
| 1273 | The Role of Alterations in Alpha-Klotho and FGF-23 in Kidney Transplantation and Kidney Donation. Frontiers in Medicine, 2022, 9, . | 1.2 | 6 |
| 1274 | Immediate postâ€exercise blood pressure and arterial stiffness in hypertensive and normotensive older females. Journal of Clinical Hypertension, 2022, , . | 1.0 | 5 |
| 1275 | Association Between Lipids and Arterial Stiffness for Primary Cardiovascular Prevention in a General Middle-Aged European Population. Frontiers in Cardiovascular Medicine, 2022, 9, . | 1.1 | 11 |
| 1276 | The correlation of atherosclerosis and triglyceride glucose index: a secondary analysis of a national cross-sectional study of Japanese. BMC Cardiovascular Disorders, 2022, 22, . | 0.7 | 6 |
| 1278 | Single-pill fixed-dose drug combinations to reduce blood pressure: the right pill for the right patient. Therapeutic Advances in Chronic Disease, 2022, 13, 204062232211027. | 1.1 | 11 |
| 1279 | Time-course recovery of cerebral blood velocity metrics post aerobic exercise: a systematic review. Journal of Applied Physiology, 2022, 133, 471-489. | 1.2 | 5 |
| 1280 | Vinculum of Cardiovascular Disease and Inflammatory Bowel Disease: A Narrative Review. Cureus, 2022, , . | 0.2 | 2 |
| 1281 | 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 |
| 1282 | Stem Cell Based Approaches to Modulate the Matrix Milieu in Vascular Disorders. Frontiers in Cardiovascular Medicine, 0, 9, . | 1.1 | 1 |
| 1283 | Hypertension and cognitive function: a review of life-course factors and disparities. Current Opinion in Cardiology, 2022, 37, 326-333. | 0.8 | 3 |
| 1284 | Clinical investigations of vascular function. , 2022, , 181-196. | | 0 |
| 1285 | Prediction of all-cause and cardiovascular mortality using ankle-brachial index and brachial-ankle pulse wave velocity in patients with type 2 diabetes. Scientific Reports, 2022, 12, . | 1.6 | 10 |
| 1286 | Reduced arterial elasticity after anabolicâ€“androgenic steroid use in young adult males and mice. Scientific Reports, 2022, 12, . | 1.6 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1287 | Blood Pressure Trajectories From Childhood to Youth and Arterial Stiffness in Adulthood: A 30-Year Longitudinal Follow-Up Study. Frontiers in Cardiovascular Medicine, 0, 9, . | 1.1 | 2 |
| 1288 | Association between Perceived Salt Intake and Arterial Stiffness. BioMed Research International, 2022, 2022, 1-7. | 0.9 | 5 |
| 1289 | Serum adipocyte fatty acid-binding protein level is positively associated with aortic stiffness in nondialysis chronic kidney disease patients: A cross-sectional study. Medicine (United States), 2022, 101, e29558. | 0.4 | 1 |
| 1290 | Thermoneutrality induces vascular dysfunction and impaired metabolic function in male Wistar rats: a new model of vascular disease. Journal of Hypertension, 0, Publish Ahead of Print, . | 0.3 | 0 |
| 1291 | Predictors of Unsuccessful Crossing with the Novel Cutting Balloon in Calcified Lesions. Shinzo Kekkan Naishikyo, 2022, 8, 11-18. | 0.2 | 0 |
| 1292 | Arterial Stiffness and Endothelial Function are Comparable in Young Healthy Vegetarians and Omnivores. Nutrition Research, 2022, 105, 163-172. | 1.3 | 2 |
| 1293 | 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 |
| 1294 | Effects of aerobic, resistance, and combined training on endothelial function and arterial stiffness in older adults: study protocol for a systematic review and meta-analysis. Systematic Reviews, 2022, 11, . | 2.5 | 0 |
| 1295 | Efficacy of interval exercise training to improve vascular health in sedentary postmenopausal females. Physiological Reports, 2022, 10, . | 0.7 | 5 |
| 1296 | Association between arterial stiffness and walking capacity in older adults. Experimental Gerontology, 2022, 167, 111925. | 1.2 | 2 |
| 1297 | Effects of ankle-brachial index and brachial-ankle pulse wave velocity on all-cause mortality in a community-based elderly population. Frontiers in Cardiovascular Medicine, 0, 9, . | 1.1 | 4 |
| 1298 | Correlation of vascular structural changes in a cadaveric model and obesity-related cardiovascular non-communicable diseases. Cardiovascular Pathology, 2022, 61, 107471. | 0.7 | 0 |
| 1299 | Noninvasive Assessment of Sex Differences in Arterial Load in Healthy Adults. Artery Research, 2022, 28, 105-111. | 0.3 | 3 |
| 1300 | From Chemokine to Extracellular Vesicles: a Targetable Loop for Treating Aortic Stiffness. Journal of Cardiovascular Translational Research, 0, , . | 1.1 | 0 |
| 1301 | Diagnosing Arterial Stiffness in Pregnancy and Its Implications in the Cardio-Renal-Metabolic Chain. Diagnostics, 2022, 12, 2221. | 1.3 | 3 |
| 1302 | Connecting Aortic Stiffness to Vascular Contraction: Does Sex Matter?. International Journal of Molecular Sciences, 2022, 23, 11314. | 1.8 | 1 |
| 1303 | Advanced Glycation End Products in Diabetes. Biomarkers in Disease, 2023, , 171-194. | 0.0 | 0 |
| 1304 | Initiation of 3,3â€dimethylâ€1â€butanol at midlife prevents endothelial dysfunction and attenuates in vivo aortic stiffening with ageing in mice. Journal of Physiology, 2022, 600, 4633-4651. | 1.3 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1305 | Potential adverse effects of vasodilatory antihypertensive medication on vascular stiffness in elderly individuals. Hypertension Research, 2022, 45, 2024-2027. | 1.5 | 3 |
| 1306 | Image-Based Finite Element Modeling Approach for Characterizing In Vivo Mechanical Properties of Human Arteries. Journal of Functional Biomaterials, 2022, 13, 147. | 1.8 | 3 |
| 1307 | Mutual effect of homocysteine and uric acid on arterial stiffness and cardiovascular risk in the context of predictive, preventive, and personalized medicine. EPMA Journal, 2022, 13, 581-595. | 3.3 | 8 |
| 1308 | Visualization of Murine Vascular Remodeling and Blood Flow Dynamics by Ultra-High-Frequency Ultrasound Imaging. International Journal of Molecular Sciences, 2022, 23, 13298. | 1.8 | 0 |
| 1309 | Gender-specific differences in central blood pressure and optimal target blood pressure based on the prediction of cardiovascular events. Frontiers in Cardiovascular Medicine, 0, 9, . | 1.1 | 2 |
| 1310 | Changes in Nutritional State and Cardiovascular Parameters in Alimentary Obese Children after a Month-Long Stay in Childrenâ€™s Treatment Center. Children, 2022, 9, 1610. | 0.6 | 0 |
| 1311 | Time in range, assessed with continuous glucose monitoring, is associated with brachial-ankle pulse wave velocity in type 2 diabetes: A retrospective single-center analysis. Frontiers in Endocrinology, 0, 13, . | 1.5 | 1 |
| 1312 | Higher platelet count, even within normal range, is associated with increased arterial stiffness in young and middle-aged adults. Aging, 2022, 14, 8061-8076. | 1.4 | 1 |
| 1313 | A study of bi-layered thick walled fibreâ€™s reinforced hollow cylinder submitted to both torsion deformation and radially directed fluid diffusion. International Journal of Non-Linear Mechanics, 2022, , 104283. | 1.4 | 0 |
| 1315 | Childhood Maltreatment and Arterial Stiffness Among Midlife Women. Journal of the American Heart Association, 2022, 11, . | 1.6 | 1 |
| 1316 | Age effects on the mechanical behavior of human cerebral bridging veins. Clinical Biomechanics, 2022, 100, 105792. | 0.5 | 2 |
| 1317 | Shift Work and Early Arterial Stiffness: A Systematic Review. International Journal of Environmental Research and Public Health, 2022, 19, 14569. | 1.2 | 5 |
| 1318 | Aortic stiffness increases during prolonged sitting independent of intermittent standing or prior exercise. European Journal of Applied Physiology, 0, , . | 1.2 | 2 |
| 1319 | Spatiotemporal characterization of endothelial cell motility and physical forces during exposure to Borrelia burgdorferi. STAR Protocols, 2022, 3, 101832. | 0.5 | 1 |
| 1320 | Clinical translation of noninvasive intracranial pressure sensing with diffuse correlation spectroscopy. Journal of Neurosurgery, 2022, , 1-10. | 0.9 | 5 |
| 1323 | Amplitudes of resting-state functional networks â€“ investigation into their correlates and biophysical properties. NeuroImage, 2023, 265, 119779. | 2.1 | 0 |
| 1324 | Comparison of carotidâ€femoral and brachialâ€ankle pulse wave velocity in association with carotid plaque in a Chinese communityâ€based population. Journal of Clinical Hypertension, 2022, 24, 1568-1576. | 1.0 | 3 |
| 1325 | Evaluation of Endothelium Regulation of Vascular Tone. Lecture Notes in Networks and Systems, 2023, , 75-85. | 0.5 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1327 | Research Evidence of the Role of the Glymphatic System and Its Potential Pharmacological Modulation in Neurodegenerative Diseases. Journal of Clinical Medicine, 2022, 11, 6964. | 1.0 | 11 |
| 1328 | The Level of Serum Uric Acid as an Evidence of Endothelial Dysfunction in Normal Weight and Obese Children with Primary Hypertension. Meandros Medical and Dental Journal, 2022, . | 0.1 | 0 |
| 1329 | Effects of Carotid Artery Stiffness on Cerebral Smallâ€Vessel Disease and Cognition. Journal of the American Heart Association, 2022, 11, . | 1.6 | 6 |
| 1330 | Deterioration of Phosphate Homeostasis Is a Trigger for Cardiac Afterloadã€€â€• Clinical Importance of Fibroblast Growth Factor 23 for Accelerated Aging â€•. Circulation Reports, 2023, 5, 4-12. | 0.4 | 2 |
| 1331 | Endothelial senescence in vascular diseases: current understanding and future opportunities in senotherapeutics. Experimental and Molecular Medicine, 2023, 55, 1-12. | 3.2 | 26 |
| 1332 | Aging of the Vasculature. Contemporary Cardiology, 2023, , 153-182. | 0.0 | 0 |
| 1333 | Effect of Exercise on Arterial Stiffness in Healthy Young, Middle-Aged and Older Women: A Systematic Review. Nutrients, 2023, 15, 308. | 1.7 | 3 |
| 1334 | Molecular Mechanisms Underlying Vascular Disease in Diabetes. Updates in Hypertension and Cardiovascular Protection, 2023, , 105-118. | 0.1 | 1 |
| 1335 | Evaluating the Arterial Stiffness as a Useful Tool in the Management of Obese Children. Children, 2023, 10, 183. | 0.6 | 3 |
| 1336 | A Low Arginine/Ornithine Ratio is Associated with Long-Term Cardiovascular Mortality. Journal of Atherosclerosis and Thrombosis, 2023, , . | 0.9 | 4 |
| 1337 | Flavonifractor plautii Protects Against Elevated Arterial Stiffness. Circulation Research, 2023, 132, 167-181. | 2.0 | 11 |
| 1338 | Arterial stiffness for the early prediction of preâ€eclampsia compared with blood pressure, uterine artery Doppler and angiogenic biomarkers: a prospective cohort study. BJOG: an International Journal of Obstetrics and Gynaecology, 2023, 130, 932-940. | 1.1 | 6 |
| 1339 | Brain perivascular space imaging across the human lifespan. NeuroImage, 2023, 271, 120009. | 2.1 | 9 |
| 1340 | Evaluating vessel mechanics with optical coherence tomography based digital image correlation. , 2023, , . | | 0 |
| 1341 | Towards Generating Realistic Wrist Pulse Signals Using Enhanced One Dimensional Wasserstein GAN. Sensors, 2023, 23, 1450. | 2.1 | 1 |
| 1342 | Temporal longitudinal associations of carotid-femoral pulse wave velocity and carotid intima-media thickness with resting heart rate and inflammation in youth. Journal of Applied Physiology, 2023, 134, 657-666. | 1.2 | 14 |
| 1343 | The Prolonged Effect of Shift Work and the Impact of Reducing the Number of Nightshifts on Arterial Stiffnessâ€"A 4-Year Follow-Up Study. Journal of Cardiovascular Development and Disease, 2023, 10, 70. | 0.8 | 0 |
| 1344 | Effects of Long-Term Intervention with Losartan, Aspirin and Atorvastatin on Vascular Remodeling in Juvenile Spontaneously Hypertensive Rats. Molecules, 2023, 28, 1844. | 1.7 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1345 | The effect of exercise training level on arterial stiffness after clinically significant weight loss. Clinical Obesity, 0, , . | 1.1 | 2 |
| 1346 | Vascular wall motion detection models based on long short-term memory in plane-wave-based ultrasound imaging. Physics in Medicine and Biology, 2023, 68, 075005. | 1.6 | 1 |
| 1347 | Roles of TSP1-CD47 signaling pathway in senescence of endothelial cells: cell cycle, inflammation and metabolism. Molecular Biology Reports, 2023, 50, 4579-4585. | 1.0 | 4 |
| 1348 | Hemodynamics and Arterial Stiffness in Response to Oral Glucose Loading in Individuals with Type II Diabetes and Controlled Hypertension. High Blood Pressure and Cardiovascular Prevention, 2023, 30, 175-181. | 1.0 | 1 |
| 1349 | Identifying a urinary peptidomics profile for hypertension in young adults: The Africanâ€PREDICT study. Proteomics, 2023, 23, . | 1.3 | 5 |
| 1350 | Chronic Obstructive Pulmonary Disease and Arterial Stiffness. European Medical Journal Respiratory, 0, , 114-121. | 1.0 | 1 |
| 1351 | 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 |
| 1352 | Arterial stiffness expressed as brachialâ€“ankle pulse wave velocity and gait assessment independent of lower extremity strength: a cross-sectional study in the older men population. Journal of Geriatric Cardiology, 2023, 20, 91-99. | 0.2 | 1 |
| 1354 | Arteriosclerosis and Atherosclerosis Assessment in Clinical Practice: Methods and Significance. Pulse, 2023, 11, 1-8. | 0.9 | 2 |
| 1355 | Endothelial Cell Dysfunction and Increased Cardiovascular Risk in Patients With Chronic Kidney Disease. Circulation Research, 2023, 132, 970-992. | 2.0 | 13 |
| 1356 | Association of Electronic Cigarette Exposure on Cardiovascular Health: A Systematic Review and Meta-Analysis. Current Problems in Cardiology, 2023, 48, 101748. | 1.1 | 8 |
| 1357 | Ventricularâ€“arterial coupling (VAC) in a population-based cohort of middle-aged individuals: The STANISLAS cohort. Atherosclerosis, 2023, 374, 11-20. | 0.4 | 3 |
| 1362 | Cardiovascular Physiology and Fluid Shifts in Space. , 2022, , 9-21. | | 1 |
| 1411 | Cerebral Small Vessel Disease: a Review of the Pathophysiological Mechanisms. Translational Stroke Research, 0, , . | 2.3 | 2 |
| 1424 | Cardiovascular Function and Deleterious Adaptations Among Firefighters: Implications for Smart Firefighting. , 2024, , 455-473. | | 0 |
| 1446 | Arterial Stiffness and Blood Pressure Variability. , 2024, , 237-250. | | 0 |
| 1447 | Targeting Blood Pressure Lowering and the Sympathetic Nervous System. , 2024, , 479-486. | | 0 |