

Invasive validation of a new oscillometric device (Arterio

augmentation index, central blood pressure and aortic p

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Evaluating aortic stiffness through an arm cuff oscillometric device: is validation against invasive measurements enough?. Journal of Hypertension, 2010, 28, 2003-2006.	0.5	27
2	Pulse wave analysis and pulse wave velocity techniques: are they ready for the clinic?. Hypertension Research, 2011, 34, 166-169.	2.7	28
3	Comparison of two techniques for measuring pulse wave velocity and central blood pressure. Artery Research, 2011, 5, 97.	0.6	2
4	Validation of the Arteriograph working principle: questions still remain. Journal of Hypertension, 2011, 29, 620.	0.5	3
5	Validation of the Arteriograph working principle: questions still remain. Journal of Hypertension, 2011, 29, 619.	0.5	9
6	Validation of the arteriograph working principle. Journal of Hypertension, 2011, 29, 1662-1663.	0.5	3
7	Hypertrophic Cardiomyopathy Is Associated with Abnormal Echocardiographic Aortic Elastic Properties and Arteriograph-Derived Pulse-Wave Velocity. Echocardiography, 2011, 28, 848-852.	0.9	12
8	Numerical assessment of time-domain methods for the estimation of local arterial pulse wave speed. Journal of Biomechanics, 2011, 44, 885-891.	2.1	55
9	Association of Increased Arterial Wave Reflections With Decline in Renal Function in Chronic Kidney Disease Stages 3 and 4. American Journal of Hypertension, 2011, 24, 762-769.	2.0	23
10	Ethnic Differences in Aortic Pulse Wave Velocity Occur in the Descending Aorta and May Be Related to Vitamin D. Hypertension, 2011, 58, 247-253.	2.7	44
11	Measurement of arterial stiffness and wave reflections: does body position matter?. Hypertension Research, 2011, 34, 164-165.	2.7	0
12	Calibration mode influences central blood pressure differences between SphygmoCor and two newer devices, the Arteriograph and Omron HEM-9000. Hypertension Research, 2011, 34, 1046-1051.	2.7	36
13	Validity and reliability of central blood pressure estimated by upper arm oscillometric cuff pressure. American Journal of Hypertension, 2012, 25, 414-420.	2.0	49
14	Arterial stiffness is increased in families with premature coronary artery disease. Heart, 2012, 98, 490-494.	2.9	22
15	THE INFLUENCES OF CARDIOVASCULAR PROPERTIES ON SUPRASYSTOLIC BRACHIAL CUFF WAVE STUDIED BY A SIMPLE ARTERIAL-TREE MODEL. Journal of Mechanics in Medicine and Biology, 2012, 12, 1250040.	0.7	6
16	Validated methods for assessment of subclinical atherosclerosis in rheumatology. Nature Reviews Rheumatology, 2012, 8, 224-234.	8.0	118
17	Assessments of Arterial Stiffness and Endothelial Function Using Pulse Wave Analysis. International Journal of Vascular Medicine, 2012, 2012, 1-9.	1.0	76
18	Maternal Hemodynamics at 11Â–13 Weeks of Gestation in Pregnancies Delivering Small for Gestational Age Neonates. Fetal Diagnosis and Therapy, 2012, 32, 231-238.	1.4	25

#	ARTICLE	IF	CITATIONS
19	Clinical Assessment of Central Blood Pressure. <i>Current Hypertension Reviews</i> , 2012, 8, 80-90.	0.9	68
20	A complex pattern of agreement between oscillometric and tonometric measurement of arterial stiffness in a population-based sample. <i>Journal of Hypertension</i> , 2012, 30, 1444-1452.	0.5	9
21	Determination of central blood pressure by a noninvasive method (brachial BP and QKD interval). <i>Journal of Hypertension</i> , 2012, 30, 1533-1539.	0.5	18
22	Heritability of central blood pressure and arterial stiffness. <i>Journal of Hypertension</i> , 2012, 30, 1564-1571.	0.5	47
23	Reference values of aortic pulse wave velocity in a large healthy population aged between 3 and 18 years. <i>Journal of Hypertension</i> , 2012, 30, 2314-2321.	0.5	86
24	Heritability of arterial stiffness and central blood pressure. <i>Journal of Hypertension</i> , 2012, 30, 1511-1513.	0.5	9
26	Noninvasive Assessment of Endothelial Function in Clinical Practice. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2012, 65, 80-90.	0.6	41
27	Evaluación no invasiva de la función endotelial en la práctica clínica. <i>Revista Espanola De Cardiologia</i> , 2012, 65, 80-90.	1.2	54
28	Heritability of nonalcoholic fatty liver disease and association with abnormal vascular parameters: A twin study. <i>Liver International</i> , 2012, 32, 1287-1293.	3.9	47
29	Maternal Hemodynamics in Normal Pregnancies at 11â€“13 Weeksâ€™ Gestation. <i>Fetal Diagnosis and Therapy</i> , 2012, 32, 179-185.	1.4	19
30	Pulse wave velocity and the non-invasive methods used to assess it: Complior, SphygmoCor, Arteriograph and Vicorder. <i>Vascular</i> , 2012, 20, 342-349.	0.9	42
32	Sex-specific association of anthropometric measures of body composition with arterial stiffness in a healthy population. <i>Medical Science Monitor</i> , 2012, 18, CR65-CR71.	1.1	21
33	Maternal hemodynamics at 11â€“13 weeks' gestation and risk of pre-eclampsia. <i>Ultrasound in Obstetrics and Gynecology</i> , 2012, 40, 28-34.	1.7	76
34	Comparison of Aortic and Carotid Arterial Stiffness Parameters in Patients With Verified Coronary Artery Disease. <i>Clinical Cardiology</i> , 2012, 35, 26-31.	1.8	33
35	Noninvasive Studies of Central Aortic Pressure. <i>Current Hypertension Reports</i> , 2012, 14, 8-20.	3.5	50
36	Using a large cuff reduces the difference between peripheral and central blood pressure readings. The BP-CUFF study. <i>International Journal of Cardiology</i> , 2013, 170, e43-e44.	1.7	3
37	Noninvasive Perioperative Monitoring of Arterial Function in Patients With Kidney Transplantation. <i>Transplantation Proceedings</i> , 2013, 45, 3682-3684.	0.6	9
38	A computational model of the cardiovascular system coupled with an upper-arm oscillometric cuff and its application to studying the suprasystolic cuff oscillation wave, concerning its value in assessing arterial stiffness. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2013, 16, 141-157.	1.6	20

#	ARTICLE	IF	CITATIONS
39	Do higher dialysate calcium concentrations increase vascular stiffness in haemodialysis patients as measured by aortic pulse wave velocity?. BMC Nephrology, 2013, 14, 189.	1.8	17
40	Arterial stiffness, carotid atherosclerosis and left ventricular diastolic dysfunction in postmenopausal women. European Journal of Internal Medicine, 2013, 24, 250-254.	2.2	12
41	Genetic and environmental factors on the relation of lung function and arterial stiffness. Respiratory Medicine, 2013, 107, 927-935.	2.9	17
42	Association of body mass index with arterial stiffness and blood pressure components: A twin study. Atherosclerosis, 2013, 229, 388-395.	0.8	39
43	Bone metabolism regulators and arterial stiffness in postmenopausal women. Maturitas, 2013, 76, 146-150.	2.4	16
44	Meta-analysis of the comparative effects of different classes of antihypertensive agents on brachial and central systolic blood pressure, and augmentation index. British Journal of Clinical Pharmacology, 2013, 75, 79-92.	2.4	85
45	Comparison of noninvasive devices for assessing central blood pressure parameters. Journal of Hypertension, 2013, 31, 27-31.	0.5	13
46	Genetic influence on the relation between exhaled nitric oxide and pulse wave reflection. Journal of Breath Research, 2013, 7, 026008.	3.0	7
47	Arterial Stiffness and Pulse Wave Reflection in Young Adult Heterozygous Sickle Cell Carriers. Turkish Journal of Haematology, 2013, 30, 379-386.	0.5	6
48	Determination of central blood pressure by a noninvasive method (brachial blood pressure and QKD) Tj ETQq1 1 0.784314 rgBT /Overl	0.5	9
49	Relationship Between Augmentation Index and Left Ventricular Diastolic Function in Healthy Women and Men. American Journal of Hypertension, 2013, 26, 1280-1286.	2.0	19
50	Assessment of arterial stiffness using applanation tonometry. Canadian Journal of Physiology and Pharmacology, 2013, 91, 999-1008.	1.4	22
51	Reference values of aortic pulse wave velocity in a large healthy population aged between 3 and 18 years. Journal of Hypertension, 2013, 31, 425-426.	0.5	0
52	Pulse wave velocity 24-hour monitoring with one-site measurements by oscillometry. Medical Devices: Evidence and Research, 2013, 6, 11.	0.8	22
53	Evaluation of Arterial Stiffness for Predicting Future Cardiovascular Events in Patients with ST Segment Elevation and Non-ST Segment Elevation Myocardial Infarction. Scientific World Journal, The, 2013, 2013, 1-6.	2.1	18
54	Arterial stiffness estimation in healthy subjects: a validation of oscillometric (Arteriograph) and tonometric (SphygmoCor) techniques. Hypertension Research, 2014, 37, 999-1007.	2.7	62
55	Diurnal Variation in Blood Pressure and Arterial Stiffness in Chronic Kidney Disease. Hypertension, 2014, 64, 296-304.	2.7	49
56	Day-to-day repeatability of the Pulse Time Index of Norm. Medical Devices: Evidence and Research, 2014, 7, 29.	0.8	9

#	ARTICLE	IF	CITATIONS
57	Validation of Oscillometric Pulse Wave Analysis Measurements in Children. American Journal of Hypertension, 2014, 27, 865-872.	2.0	27
58	Assessment of volume status and arterial stiffness in chronic kidney disease. Renal Failure, 2014, 36, 28-34.	2.1	15
59	Does hemodiafiltration reduce vascular stiffness measured by aortic pulse wave velocity compared with high-flux hemodialysis?. Hemodialysis International, 2014, 18, 391-395.	0.9	11
60	Invasive validation of the Complior Analyse in the assessment of central artery pressure curves. Blood Pressure Monitoring, 2014, 19, 280-287.	0.8	21
61	Estimation of central aortic blood pressure. Journal of Hypertension, 2014, 32, 1727-1740.	0.5	73
62	Arterial stiffness in atherosclerotic renovascular hypertension. Journal of Hypertension, 2014, 32, 2238-2245.	0.5	7
63	Treatment with Haemodiafiltration Stabilises Vascular Stiffness (Measured by Aortic Pulse Wave) Tj ETQq0 0 0 rgBTj/Overlock 10 Tf 50 5	2.3	9
64	Central blood pressure: current evidence and clinical importance. European Heart Journal, 2014, 35, 1719-1725.	2.2	515
65	Heritability of arterial stiffness and carotid intima-media thickness: An Italian twin study. Nutrition, Metabolism and Cardiovascular Diseases, 2014, 24, 511-517.	2.6	29
66	Longitudinal changes in maternal hemodynamics in a population at risk for pre-eclampsia. Ultrasound in Obstetrics and Gynecology, 2014, 44, 197-204.	1.7	41
67	Increased aortic stiffness in ulcerative colitis. Open Medicine (Poland), 2014, 9, 40-44.	1.3	1
68	Pulse pressure waveform estimation using distension profiling with contactless optical probe. Medical Engineering and Physics, 2014, 36, 1515-1520.	1.7	10
69	Invasive Validation of Arteriograph Estimates of Central Blood Pressure in Patients With Type 2 Diabetes. American Journal of Hypertension, 2014, 27, 674-679.	2.0	30
70	Aortic pulse wave velocity in haemodialysis patients is associated with the prescription of active vitamin D analogues. Journal of Nephrology, 2014, 27, 431-437.	2.0	10
71	Robust segmentation methods with an application to aortic pulse wave velocity calculation. Computerized Medical Imaging and Graphics, 2014, 38, 179-189.	5.8	9
72	Elevated LDL-C combined with hypertension worsens subclinical vascular impairment and cognitive function. Journal of the American Society of Hypertension, 2014, 8, 550-560.	2.3	16
73	Endothelial Progenitor Cells and Endothelial Microparticles Are Independent Predictors of Endothelial Function. Journal of Pediatrics, 2014, 165, 300-305.	1.8	47
74	24-h ambulatory pulse wave velocity and central blood pressure in type 2 diabetes. Artery Research, 2014, 8, 73.	0.6	1

#	ARTICLE	IF	CITATIONS
75	Benefits of Spinning Exercise on Cardiovascular Risk Factors in Rheumatoid Arthritis: A Pilot Study. Cardiopulmonary Physical Therapy Journal, 2014, 25, 68-74.	0.3	3
76	Genetic effects on refraction and correlation with hemodynamic variables: A twin study. Acta Physiologica Hungarica, 2014, 101, 309-320.	0.9	0
77	AB0969â€¦Reliability of Measuring Aortic Stiffness in A Routine Rheumatology Clinic Setting. Annals of the Rheumatic Diseases, 2014, 73, 1120.2-1120.	0.9	0
78	AB0968â€¦Construct Validity of New Ultrasound Score Intended to Measure Damage of Small Joints in Patients with Rheumatoid Arthritis. Annals of the Rheumatic Diseases, 2014, 73, 1120.1-1120.	0.9	0
79	High-fat meals rich in EPA plus DHA compared with DHA only have differential effects on postprandial lipemia and plasma 8-isoprostane F2I± concentrations relative to a control highâ€œoleic acid meal: a randomized controlled trial. American Journal of Clinical Nutrition, 2014, 100, 1019-1028.	4.7	24
80	Non-invasive, Complex Examination of Micro- and Macrovascular System of Patients with Type 1 Diabetes Mellitus with or Without Vascular Complications. Journal of Cardiovascular Emergencies, 2015, 1, 12-22.	0.2	1
82	Novel Methods for Pulse Wave Velocity Measurement. Journal of Medical and Biological Engineering, 2015, 35, 555-565.	1.8	207
83	Influence of physical activity and gender on arterial function in type 2 diabetes, normal and impaired glucose tolerance. Diabetes and Vascular Disease Research, 2015, 12, 315-324.	2.0	12
84	Sport-2-Stay-Fit study: Health effects of after-school sport participation in children and adolescents with a chronic disease or physical disability. BMC Sports Science, Medicine and Rehabilitation, 2015, 7, 22.	1.7	20
85	The effects of single hemodialysis session on arterial stiffness in hemodialysis patients. Hemodialysis International, 2015, 19, 463-471.	0.9	7
86	Identifying Coronary Artery Disease in Asymptomatic Middle-Aged Sportsmen: The Additional Value of Pulse Wave Velocity. PLoS ONE, 2015, 10, e0131895.	2.5	2
87	Influential factors for pressure pulse waveform in healthy young adults. Bio-Medical Materials and Engineering, 2015, 26, S497-S505.	0.6	2
88	Athletic Differences in the Characteristics of the Photoplethysmographic Pulse Shape: Effect of Maximal Oxygen Uptake and Maximal Muscular Voluntary Contraction. BioMed Research International, 2015, 2015, 1-8.	1.9	12
89	Changes in Central Hemodynamics, Wave Reflection, and Heartâ€œVessel Coupling with Normal and Accelerated Aging. , 2015, , 83-95.		3
90	Evaluation of a Brachial Cuff and Suprasystolic Waveform Algorithm Method to Noninvasively Derive Central Blood Pressure. American Journal of Hypertension, 2015, 28, 480-486.	2.0	29
91	Association of renal resistive index with aortic pulse wave velocity in hypertensive patients. European Journal of Preventive Cardiology, 2015, 22, 415-422.	1.8	41
92	Ethnic differences in arterial stiffness the Helius study. International Journal of Cardiology, 2015, 191, 28-33.	1.7	29
93	Influence of body height on aortic systolic pressure augmentation and wave reflection in childhood. Journal of Human Hypertension, 2015, 29, 495-501.	2.2	31

#	ARTICLE	IF	CITATIONS
94	Regional variations in the relationship between arterial stiffness and adipocyte volume or number in obese subjects. <i>International Journal of Obesity</i> , 2015, 39, 222-227.	3.4	28
95	Recommendations for Improving and Standardizing Vascular Research on Arterial Stiffness. <i>Hypertension</i> , 2015, 66, 698-722.	2.7	1,073
96	Arterial pulse pressure waveform monitoring by novel optical probe. <i>International Journal of Cardiology</i> , 2015, 179, 95-96.	1.7	2
97	Arterial Stiffness in Nonhypertensive Type 2 Diabetes Patients in Ghana. <i>International Journal of Endocrinology</i> , 2016, 2016, 1-8.	1.5	11
98	Haemodialysis and Haemodiafiltration Lead to Similar Changes in Vascular Stiffness during Treatment. <i>International Journal of Artificial Organs</i> , 2016, 39, 228-234.	1.4	5
99	Ethnic Differences in Arterial Wave Reflection Are Mostly Explained by Differences in Body Height - Cross-Sectional Analysis of the HELIUS Study. <i>PLoS ONE</i> , 2016, 11, e0160243.	2.5	9
100	Comparison of High-Protein, Intermittent Fasting Low-Calorie Diet and Heart Healthy Diet for Vascular Health of the Obese. <i>Frontiers in Physiology</i> , 2016, 7, 350.	2.8	45
101	White matter structure alterations in HIV-1-infected men with sustained suppression of viraemia on treatment. <i>Aids</i> , 2016, 30, 311-322.	2.2	52
102	Zofenopril or irbesartan plus hydrochlorothiazide in elderly patients with isolated systolic hypertension untreated or uncontrolled by previous treatment. <i>Journal of Hypertension</i> , 2016, 34, 567-587.	0.5	10
103	Accuracy of commercial devices and methods for noninvasive estimation of aortic systolic blood pressure a systematic review and meta-analysis of invasive validation studies. <i>Journal of Hypertension</i> , 2016, 34, 1237-1248.	0.5	112
104	Difference in Aortic Stiffness Between Treated Middle-Aged HIV Type 1 "Infected and Uninfected Individuals Largely Explained by Traditional Cardiovascular Risk Factors, With an Additional Contribution of Prior Advanced Immunodeficiency. <i>Journal of Acquired Immune Deficiency Syndromes</i> (1999), 2016, 73, 55-62.	2.1	17
105	Relationship Between Determinants of Arterial Stiffness Assessed by Diastolic and Suprasystolic Pulse Oscillometry. <i>Medicine (United States)</i> , 2016, 95, e2963.	1.0	10
106	Arterial Stiffness Measured with the Cuff Oscillometric Method Is Predictive of Exercise Capacity in Patients with Cardiac Diseases. <i>Tohoku Journal of Experimental Medicine</i> , 2016, 239, 127-134.	1.2	7
107	Arterial stiffness & Sri Lankan chronic kidney disease of unknown origin. <i>Scientific Reports</i> , 2016, 6, 32599.	3.3	6
108	Noninvasive assessment of cardiac output by brachial occlusion-cuff technique: comparison with the open-circuit acetylene washin method. <i>Journal of Applied Physiology</i> , 2016, 121, 1319-1325.	2.5	3
109	Prevalence of arterial stiffness and the risk of myocardial diastolic dysfunction in women. <i>Bioscience Reports</i> , 2016, 36, .	2.4	18
110	Parathyroidectomy in asymptomatic primary hyperparathyroidism reduces carotid intima-media thickness and arterial stiffness. <i>Clinical Endocrinology</i> , 2016, 84, 39-47.	2.4	32
111	Ethnic Differences in and Childhood Influences on Early Adult Pulse Wave Velocity. <i>Hypertension</i> , 2016, 67, 1133-1141.	2.7	35

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112	Central blood pressure assessment using oscillometry is feasible for everyday clinical practice. Journal of Human Hypertension, 2016, 30, 737-741.	2.2	4
113	Estimates of arterial stiffness and central blood pressure in patients with type 2 diabetes: A comparison of SphygmoCor and Arteriograph. Artery Research, 2016, 16, 18.	0.6	2
114	Measurement of Arterial Stiffness: A Novel Tool of Risk Stratification in Hypertension. Advances in Experimental Medicine and Biology, 2016, 956, 475-488.	1.6	30
115	Twenty-Four-Hour Ambulatory Pulse Wave Analysis in Hypertension Management: Current Evidence and Perspectives. Current Hypertension Reports, 2016, 18, 72.	3.5	47
116	Protocol of the Swiss Longitudinal Cohort Study (SWICOS) in rural Switzerland. BMJ Open, 2016, 6, e013280.	1.9	6
117	A novel variant in MYLK causes thoracic aortic dissections: genotypic and phenotypic description. BMC Medical Genetics, 2016, 17, 61.	2.1	27
118	Arterial stiffness in hypertensive and type 2 diabetes patients in Ghana: comparison of the cardio-ankle vascular index and central aortic techniques. BMC Endocrine Disorders, 2016, 16, 53.	2.2	14
119	Association between uric acid and renal function in hypertensive patients: which role for systemic vascular involvement?. Journal of the American Society of Hypertension, 2016, 10, 559-569.e3.	2.3	8
120	Changes in Vascular Tone Occur Early During Hemodialysis Treatments Independently of Volume Reduction. Artificial Organs, 2016, 40, 678-683.	1.9	12
121	From Korotkoff and Marey to automatic non-invasive oscillometric blood pressure measurement: does easiness come with reliability?. Expert Review of Medical Devices, 2016, 13, 179-189.	2.8	28
122	Early Vascular Aging in Normotensive Patients With Systemic Lupus Erythematosus. Angiology, 2016, 67, 676-682.	1.8	19
123	Association of Renal Resistive Index with Markers of Extrarenal Vascular Changes in Patients with Systemic Lupus Erythematosus. Ultrasound in Medicine and Biology, 2016, 42, 1103-1110.	1.5	9
124	Aging alters the dampening of pulsatile blood flow in cerebral arteries. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 1519-1527.	4.3	84
125	Ambulatory arterial stiffness in chronic kidney disease: a methodological review. Hypertension Research, 2016, 39, 192-198.	2.7	26
126	Relationship Between Carotid Atherosclerosis and Pulse Pressure with Renal Hemodynamics in Hypertensive Patients. American Journal of Hypertension, 2016, 29, 519-527.	2.0	27
127	An automatic method for arterial pulse waveform recognition using KNN and SVM classifiers. Medical and Biological Engineering and Computing, 2016, 54, 1049-1059.	2.8	18
128	Impact of Antihypertensive Agents on Central Systolic Blood Pressure and Augmentation Index: A Meta-Analysis. American Journal of Hypertension, 2016, 29, 448-457.	2.0	37
129	Assessment of Diastolic Dysfunction, Arterial Stiffness, and Carotid Intima-Media Thickness in Patients with Acromegaly. Endocrine Practice, 2017, 23, 536-545.	2.1	18

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130	Blood Pressure and Arterial Stiffness in Kenyan Adolescents With $\hat{\pm}$ Thalassaemia. Journal of the American Heart Association, 2017, 6, .	3.7	9
131	Invasive validation of a novel brachial cuff-based oscillometric device (SphygmoCor XCEL) for measuring central blood pressure. Journal of Hypertension, 2017, 35, 69-75.	0.5	50
132	The associations of cardiorespiratory fitness, adiposity and sports participation with arterial stiffness in youth with chronic diseases or physical disabilities. European Journal of Preventive Cardiology, 2017, 24, 1102-1111.	1.8	23
133	A Magnetic Plethysmograph Probe for Local Pulse Wave Velocity Measurement. IEEE Transactions on Biomedical Circuits and Systems, 2017, 11, 1065-1076.	4.0	37
134	Central Blood Pressure Monitoring via a Standard Automatic Arm Cuff. Scientific Reports, 2017, 7, 14441.	3.3	12
135	Longitudinal study to assess changes in arterial stiffness and cardiac output parameters among low-risk pregnant women. Pregnancy Hypertension, 2017, 10, 256-261.	1.4	19
136	Arterial stiffness in preschool children. European Journal of Preventive Cardiology, 2017, 24, 1891-1894.	1.8	2
137	Subclinical cardiovascular disease assessment and its relationship with cardiovascular risk SCORE in a healthy adult population: A cross-sectional community-based study. Clínica e Investigación en Arteriosclerosis, 2017, 29, 111-119.	0.8	3
138	Comparison of the ability to identify arterial stiffness between two new anthropometric indices and classical obesity indices in Chinese adults. Atherosclerosis, 2017, 263, 263-271.	0.8	31
139	Feasibility and characteristics of arterial stiffness measurement in preschool children. European Journal of Preventive Cardiology, 2017, 24, 1895-1902.	1.8	11
140	Assessment of arterial function in pregnancy: recommendations of the International Working Group on Maternal Hemodynamics. Ultrasound in Obstetrics and Gynecology, 2017, 50, 324-331.	1.7	26
141	Cerebral blood flow and cognitive function in HIV-infected men with sustained suppressed viremia on combination antiretroviral therapy. Aids, 2017, 31, 847-856.	2.2	24
142	Improved pressure contour analysis for estimating cardiac stroke volume using pulse wave velocity measurement. BioMedical Engineering OnLine, 2017, 16, 51.	2.7	18
143	Comparison of invasive and brachial cuff-based noninvasive measurements for the assessment of blood pressure amplification. Hypertension Research, 2017, 40, 237-242.	2.7	17
144	Successful prediction of cardiovascular risk by new non-invasive vascular indexes using suprasystolic cuff oscillometric waveform analysis. Journal of Cardiology, 2017, 69, 30-37.	1.9	29
145	Association between human immunodeficiency virus infection and arterial stiffness in children. European Journal of Preventive Cardiology, 2017, 24, 480-488.	1.8	12
146	Central Hemodynamics for Management of Arteriosclerotic Diseases. Journal of Atherosclerosis and Thrombosis, 2017, 24, 765-778.	2.0	10
147	Central Systolic Hypertension in Patients with Well-Controlled Hypertension. BioMed Research International, 2017, 2017, 1-10.	1.9	7

#	ARTICLE	IF	CITATIONS
148	Measurement of Aortic Pulse Wave Velocity With a Connected Bathroom Scale. American Journal of Hypertension, 2017, 30, 876-883.	2.0	37
149	Relation of blood pressure and organ damage. Journal of Hypertension, 2018, 36, 1276-1283.	0.5	5
150	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.	2.8	7
151	Young patients with cystic fibrosis demonstrate subtle alterations of the cardiovascular system. Journal of Cystic Fibrosis, 2018, 17, 643-649.	0.7	24
152	Blood Pressure and Arterial Stiffness in Kenyan Adolescents With the Sickle Cell Trait. American Journal of Epidemiology, 2018, 187, 199-205.	3.4	14
153	Long-Term Improvement in Aortic Pulse Wave Velocity After Weight Loss Can Be Predicted by White Adipose Tissue Factors. American Journal of Hypertension, 2018, 31, 450-457.	2.0	12
154	How to Assess Arterial Function?. , 0, , 101-112.		0
155	The effects of metformin on maternal haemodynamics in gestational diabetes mellitus: A pilot study. Diabetes Research and Clinical Practice, 2018, 139, 170-178.	2.8	5
156	Pulse Wave Velocity: Retrospective Analysis in a Balkan Normotensive and Hypertensive Population: A Study of 9923 Patients. Angiology, 2018, 69, 59-64.	1.8	4
157	The usefulness of a single arm cuff oscillometric method (Arteriograph) to assess changes in central aortic blood pressure and arterial stiffness by antihypertensive treatment: results from the Doxazosin-Ramipril Study. Blood Pressure, 2018, 27, 88-98.	1.5	9
158	Validation of Central and Peripheral Non-Invasive Hemodynamic Variables Using an Oscillometric Method. High Blood Pressure and Cardiovascular Prevention, 2018, 25, 65-77.	2.2	8
159	Genetic influence on femoral plaque and its relationship with carotid plaque: an international twin study. International Journal of Cardiovascular Imaging, 2018, 34, 531-541.	1.5	4
160	Impact of anti-inflammatory periodontal therapy on parameters of vascular health. Journal of Clinical Periodontology, 2018, 45, 354-363.	4.9	13
161	Enhanced ventricular-arterial coupling during a 2-year physical activity programme in patients with rheumatoid arthritis: a prospective substudy of the physical activity in rheumatoid arthritis 2010 trial. Journal of Internal Medicine, 2018, 284, 664-673.	6.0	26
162	Effectiveness of a 4-week rehabilitation program on endothelial function, blood vessel elasticity in patients with chronic obstructive pulmonary disease. Journal of Thoracic Disease, 2018, 10, 6482-6490.	1.4	11
163	Aortic stiffness in families with inherited non-syndromic thoracic aortic disease. Scandinavian Cardiovascular Journal, 2018, 52, 301-307.	1.2	2
164	Genetic and environmental determinants of longitudinal stability of arterial stiffness and wave reflection. Journal of Hypertension, 2018, 36, 2316-2323.	0.5	5
165	Arterial Stiffness in Balkan Endemic Nephropathy, an Environmental Form of Aristolochic Acid Nephropathy. Frontiers in Cardiovascular Medicine, 2018, 5, 166.	2.4	2

#	ARTICLE	IF	CITATIONS
166	The Noninvasive Measurement of Central Aortic Blood Pressure Waveform. , 0, , .		4
167	Transcutaneous Carbon Dioxide Treatment Is Capable of Reducing Peripheral Vascular Resistance in Hypertensive Patients. In Vivo, 2018, 32, 1555-1559.	1.3	15
168	Determining Factors of Arterial Stiffness in Subjects with Metabolic Syndrome. Metabolic Syndrome and Related Disorders, 2018, 16, 490-496.	1.3	11
169	Isolated systolic hypertension of the young and its association with central blood pressure in a large multi-ethnic population. The HELIUS study. European Journal of Preventive Cardiology, 2018, 25, 1351-1359.	1.8	26
170	Reference Intervals of Central Aortic Blood Pressure and Augmentation Index Assessed with an Oscillometric Device in Healthy Children, Adolescents, and Young Adults from Argentina. International Journal of Hypertension, 2018, 2018, 1-19.	1.3	11
171	Arterial Stiffness Is Associated with Peripheral Sensory Neuropathy in Diabetes Patients in Ghana. Journal of Diabetes Research, 2018, 2018, 1-8.	2.3	13
172	Cardiac and autonomic function in patients with Crohn's disease during remission. Advances in Medical Sciences, 2018, 63, 334-340.	2.1	8
173	Importance of software version for measurement of arterial stiffness: Arteriograph as an example. PLoS ONE, 2018, 13, e0197019.	2.5	3
174	Clinical usefulness of noninvasively estimated central blood pressure. Journal of Hypertension, 2018, 36, 1266-1268.	0.5	2
175	Peak oxygen uptake, ventilatory threshold, and arterial stiffness in adolescents. European Journal of Applied Physiology, 2018, 118, 2367-2376.	2.5	10
176	Haemodynamic differences amongst women who were screened for gestational diabetes in comparison to healthy controls. Pregnancy Hypertension, 2018, 14, 23-28.	1.4	9
177	The effect of hemodialysis on the body composition and cardiovascular disease markers in recently diagnosed end stage renal disease patients. Revista Da Associação Médica Brasileira, 2018, 64, 354-360.	0.7	3
178	Maternal Cardiovascular Function and Fetal Growth Restriction. , 2018, , 65-73.		1
179	Noninvasive validation of central and peripheral augmentation index estimated by a novel wrist-worn tonometer. Journal of Hypertension, 2018, 36, 2204-2214.	0.5	14
180	Reproducibility of pulse wave velocity and augmentation index derived from non-invasive occlusive oscillometric tonometry analysis in adolescents. Clinical Physiology and Functional Imaging, 2019, 39, 22-28.	1.2	7
181	Aortic Augmentation Index is Dependent on Bodysize in Healthy Young Subjects. High Blood Pressure and Cardiovascular Prevention, 2019, 26, 375-382.	2.2	0
182	Impact of Methodological and Calibration Approach on the Association of Central and Peripheral Systolic Blood Pressure with Cardiac Structure and Function in Children, Adolescents and Adults. High Blood Pressure and Cardiovascular Prevention, 2019, 26, 509-534.	2.2	13
183	eBP. , 2019, , .		40

#	ARTICLE	IF	CITATIONS
184	Modeling arterial pulse waves in healthy aging: a database for in silico evaluation of hemodynamics and pulse wave indexes. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H1062-H1085.	3.2	127
185	A tactile sensing array integrated with tension sensor for continuously monitoring blood pulse waves. Microelectronic Engineering, 2019, 218, 111132.	2.4	4
186	Pulse wave analysis using the Mobil-O-Graph, Arteriograph and Complior device: a comparative study. Blood Pressure, 2019, 28, 107-113.	1.5	31
187	Agreement of aneroid and oscillometric blood pressure devices used in pregnancy. Pregnancy Hypertension, 2019, 17, 43-48.	1.4	6
188	Augmentation index is not a proxy for wave reflection magnitude: mechanistic analysis using a computational model. Journal of Applied Physiology, 2019, 127, 491-500.	2.5	36
189	Chronic Kidney Disease and Pulse Wave Velocity: A Narrative Review. International Journal of Hypertension, 2019, 2019, 1-11.	1.3	44
190	Non-invasive measurements of arterial function: What? When? Why should we use them?. Heart, 2019, 105, heartjnl-2018-312970.	2.9	6
191	Hypertension-induced subclinical vascular and cognitive changes are reversible—An observational cohort study. Journal of Clinical Hypertension, 2019, 21, 658-667.	2.0	5
192	A Meta-analysis to Determine the Validity of Taking Blood Pressure Using the Indirect Cuff Method. Current Hypertension Reports, 2019, 21, 11.	3.5	11
193	Soluble Urokinase-Type Plasminogen Activator Receptor and Arterial Stiffness in Patients with COPD. Lung, 2019, 197, 189-197.	3.3	13
194	Arterial Stiffness and Its Relationship to Cardiorespiratory Fitness in Children and Young Adults with a Fontan Circulation. Pediatric Cardiology, 2019, 40, 784-791.	1.3	9
195	Reduction in Aortic Pulse Wave Velocity Is Associated with a Short-Term Reduction in Dual-Energy X-Ray Absorptiometry Lumbar Spine Bone Mineral Density T Score. Blood Purification, 2019, 48, 346-350.	1.8	2
196	Aortic Pulse Wave Velocity in Peritoneal Dialysis Patients Is Not Simply Associated with Extracellular Water Expansion. Kidney and Blood Pressure Research, 2019, 44, 1423-1431.	2.0	3
197	Altered Hemorheology in Fontan Patients in Normoxia and After Acute Hypoxic Exercise. Frontiers in Physiology, 2019, 10, 1443.	2.8	6
198	Current assessment of pulse wave velocity. Journal of Hypertension, 2019, 37, 1547-1557.	0.5	122
199	Aortic pulse wave velocity is greater in peritoneal dialysis patients with lower dual energy X-ray absorptiometry (DXA) femoral neck bone mineral density. Journal of Nephrology, 2019, 32, 471-476.	2.0	1
200	Body composition measures and cardiovascular risk in high-risk ethnic groups. Clinical Nutrition, 2019, 38, 450-456.	5.0	18
201	Reference intervals of aortic pulse wave velocity assessed with an oscillometric device in healthy children and adolescents from Argentina. Clinical and Experimental Hypertension, 2019, 41, 101-112.	1.3	15

#	ARTICLE	IF	CITATIONS
202	Arterial stiffness in women previously with preeclampsia from a semi-rural region of South Africa. <i>Clinical and Experimental Hypertension</i> , 2019, 41, 36-43.	1.3	4
203	Aortic pulse wave velocity in individuals of Asian and African ancestry: the HELISUR study. <i>Journal of Human Hypertension</i> , 2020, 34, 108-116.	2.2	5
204	Maternal arterial stiffness in hypertensive pregnancies with and without small-for-gestational-age neonate. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020, 56, 44-50.	1.7	12
205	Effect of sildenafil on maternal hemodynamics in pregnancies complicated by severe early-onset fetal growth restriction: planned subgroup analysis from a multicenter randomized placebo-controlled double-blind trial. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020, 55, 198-209.	1.7	7
206	Non-invasive assessment of arterial pulsatility in patients with continuous-flow left ventricular assist devices. <i>International Journal of Artificial Organs</i> , 2020, 43, 99-108.	1.4	1
207	Local Pulse Wave Velocity: Theory, Methods, Advancements, and Clinical Applications. <i>IEEE Reviews in Biomedical Engineering</i> , 2020, 13, 74-112.	18.0	90
208	Aerobic capacity is associated with disease activity and cardiovascular risk factors in early rheumatoid arthritis. <i>Physiotherapy Research International</i> , 2020, 25, e1833.	1.5	9
209	How to Measure Arterial Stiffness in Humans. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 1034-1043.	2.4	125
210	Differential Effects of Combination of Renin-Angiotensin-Aldosterone System Inhibitors on Central Aortic Blood Pressure: A Cross-Sectional Observational Study in Hypertensive Outpatients. <i>Cardiovascular Therapeutics</i> , 2020, 2020, 1-8.	2.5	3
211	Measurement, Analysis and Interpretation of Pressure/Flow Waves in Blood Vessels. <i>Frontiers in Physiology</i> , 2020, 11, 1085.	2.8	49
212	Arterial Stiffness Predicts Mortality in Individuals With Type 1 Diabetes. <i>Diabetes Care</i> , 2020, 43, 2266-2271.	8.6	23
213	Autonomic Phenotypes in Chronic Fatigue Syndrome (CFS) Are Associated with Illness Severity: A Cluster Analysis. <i>Journal of Clinical Medicine</i> , 2020, 9, 2531.	2.4	18
214	Childhood Obesity: Does it Have Any Effect on Young Arteries?. <i>Frontiers in Pediatrics</i> , 2020, 8, 389.	1.9	5
215	Impact of acute mental stress on segmental arterial stiffness. <i>European Journal of Applied Physiology</i> , 2020, 120, 2247-2257.	2.5	22
216	Associations of cardiorespiratory fitness, adiposity, and arterial stiffness with cognition in youth. <i>Physiological Reports</i> , 2020, 8, e14586.	1.7	5
217	Association between personality profile and subclinical atherosclerosis: The role of genes and environment. <i>International Journal of Cardiology</i> , 2020, 316, 236-239.	1.7	3
218	The cardiovascular risk profile of middle age women previously diagnosed with premature ovarian insufficiency: A case-control study. <i>PLoS ONE</i> , 2020, 15, e0229576.	2.5	21
219	Arterial Stiffness as a Measure of Vascular Dysfunction in Hypertensive Women. <i>Indian Journal of Cardiovascular Disease in Women WINCARS</i> , 0, 5, 308-312.	0.1	1

#	ARTICLE	IF	CITATIONS
220	Updated and revised normal values of aortic pulse wave velocity in children and adolescents aged 3â€“18 years. Journal of Human Hypertension, 2020, 35, 604-612.	2.2	3
221	Oscillometrically Measured Aortic Pulse Wave Velocity Reveals Asymptomatic Carotid Atherosclerosis in a Middle-Aged, Apparently Healthy Population. BioMed Research International, 2020, 2020, 1-7.	1.9	3
222	Association of impaired arterial wall properties with the presence of coronary artery disease in patients with abdominal aortic aneurysms. Journal of Clinical Hypertension, 2020, 22, 187-193.	2.0	3
223	Changes in aortic pulse wave velocity in peritoneal dialysis do not mirror changes in extracellular water measured by bioimpedance. International Journal of Artificial Organs, 2021, 44, 85-91.	1.4	1
224	Comparing oscillometric and tonometric methods to assess pulse wave velocity: a population-based study. Annals of Medicine, 2021, 53, 1-16.	3.8	21
225	Comparison of photo pulse plethysmography module with Mobil-O-graph for measurement of pulse wave velocity. Clinical Epidemiology and Global Health, 2021, 9, 216-220.	1.9	2
226	Increased arterial stiffness and reduced left ventricular longâ€“axis function in patients recovered from peripartum cardiomyopathy. Clinical Physiology and Functional Imaging, 2021, 41, 95-102.	1.2	2
227	The association between periâ€“dialytic pulse wave velocity measurements and hemodialysis patient mortality. Hemodialysis International, 2021, 25, 71-77.	0.9	3
228	Arterial function in hypertensive pregnant women. Is arterial stiffness a marker for the outcomes in pregnancy?. Life Sciences, 2021, 264, 118723.	4.3	8
229	Long-Term Morbidity and Health After Early Menopause Due to Oophorectomy in Women at Increased Risk of Ovarian Cancer: Protocol for a Nationwide Cross-Sectional Study With Prospective Follow-Up (HARMOny Study). JMIR Research Protocols, 2021, 10, e24414.	1.0	9
230	Non-Invasive Methods for PWV Measurement in Blood Vessel Stiffness Assessment. IEEE Reviews in Biomedical Engineering, 2022, 15, 169-183.	18.0	18
231	Isotemporal Substitution of Time Between Sleep and Physical Activity: Associations With Cardiovascular Risk Factors in Early Rheumatoid Arthritis. ACR Open Rheumatology, 2021, 3, 138-146.	2.1	4
232	Association Between Central-Peripheral Blood Pressure Amplification and Structural and Functional Cardiac Properties in Children, Adolescents, and Adults: Impact of the Amplification Parameter, Recording System and Calibration Scheme. High Blood Pressure and Cardiovascular Prevention, 2021, 28, 185-249.	2.2	5
233	The Relationship between Cardiovascular Risk Scores and Several Markers of Subclinical Atherosclerosis in an Asymptomatic Population. Journal of Clinical Medicine, 2021, 10, 955.	2.4	14
234	Relationship Between Augmentation Index and Wall Thickening Fraction during Hypotension in an Animal Model of Myocardial Ischemia-Reperfusion and Heart Failure. Current Hypertension Reviews, 2021, 17, 121-130.	0.9	1
235	Post-Exertional Malaise May Be Related to Central Blood Pressure, Sympathetic Activity and Mental Fatigue in Chronic Fatigue Syndrome Patients. Journal of Clinical Medicine, 2021, 10, 2327.	2.4	4
236	Genetic and environmental factors on heart rate, mean arterial pressure and carotid intimaâ€“media thickness: A longitudinal twin study. Cardiology Journal, 2021, 28, 431-438.	1.2	3
237	Association between central non-dipping pattern and platelet morphology in adults with type 1 diabetes without cardiovascular disease: a cross-sectional study. Scientific Reports, 2021, 11, 15416.	3.3	2

#	ARTICLE	IF	CITATIONS
238	Accuracy of a new instrument for noninvasive evaluation of pulse wave velocity: the Arterial Stiffness faithful Tool Assessment project. Journal of Hypertension, 2021, 39, 2164-2172.	0.5	2
239	Angioplasty of Flow-Limiting Stenosis Reduces Aortic and Brachial Blood Pressure in Patients With Peripheral Artery Disease. Journal of the American Heart Association, 2021, 10, e019724.	3.7	4
241	Ambulatory monitoring of central arterial pressure, wave reflections, and arterial stiffness in patients at cardiovascular risk. Journal of Human Hypertension, 2022, 36, 352-363.	2.2	4
242	Prevalence of Microalbuminuria and Its Association with Subclinical Carotid Atherosclerosis in Middle Aged, Nondiabetic, Low to Moderate Cardiovascular Risk Individuals with or without Hypertension. Diagnostics, 2021, 11, 1716.	2.6	3
243	Functional versus morphological assessment of vascular age in patients with coronary heart disease. Scientific Reports, 2021, 11, 18164.	3.3	6
244	Determinants of exercise limitation in contemporary paediatric Fontan patients with an extra cardiac conduit. International Journal of Cardiology, 2021, 341, 31-38.	1.7	9
245	Second derivative analysis of forehead photoplethysmographic signal in healthy volunteers and diabetes patients. IFMBE Proceedings, 2013, , 410-413.	0.3	7
246	Home and ambulatory blood pressure monitoring in children, adolescents and young adults: comparison, diagnostic agreement and association with preclinical organ damage. Journal of Hypertension, 2020, 38, 1047-1055.	0.5	18
247	Little Old Ladies™ Eye. Artery Research, 2019, 25, 77-80.	0.6	3
248	Comparison of Arterial Stiffness Parameters in Patients With Coronary Artery Disease and Diabetes Mellitus Using Arteriograph. Physiological Research, 2014, 63, 429-437.	0.9	7
249	Arterial Stiffening Contributes to Impairment of Cerebrovascular Reactivity in Patients With Coronary Artery Disease Without Carotid Stenosis. Physiological Research, 2015, 64, 335-343.	0.9	9
250	Invasive aortic pulse wave velocity as a marker for arterial stiffness predicts outcome of renal sympathetic denervation. EuroIntervention, 2016, 12, e684-e692.	3.2	37
251	The prognostic value of arterial stiffness in systolic heart failure. Cardiology Journal, 2013, 20, 665-671.	1.2	18
252	The relationship between nephropathy, retinopathy, obesity and arterial stiffness in type 2 diabetes mellitus. Istanbul Bilim University Florence Nightingale Journal of Medicine, 2015, 1, 59-67.	0.1	1
253	The Effects of Magnesium-EDTA Chelation Therapy on Arterial Stiffness. Health, 2014, 06, 2848-2853.	0.3	0
254	Determination of Systemic and Regional Arterial Structure and Function. , 2014, , 51-62.		1
255	Ankle-Brachial Pressure Index and Pulse Wave Velocity as Markers of White Matter Hyperintensities and Cognitive Impairment. Journal of Neurology & Neurophysiology, 2014, 05, .	0.1	0
256	Reproducibility and Impact of CT-Scanning on Pulse Wave Velocity Measurement for Cardiovascular Risk Stratification in an Asymptomatic Population. , 2016, 04, .		0

#	ARTICLE	IF	CITATIONS
258	Features of the functioning of organism energy subsystem by indicators of cardiovascular system among individuals prone and resistant to development of the monotony state. , 2016, , 4-10.		0
259	Ambulatory pulse wave monitoring: current and future. Opinion paper of Russian Experts. Cardiovascular Therapy and Prevention (Russian Federation), 2018, 17, 95-109.	1.4	3
262	Hyperuricemia Prediction Using Photoplethysmogram and Arteriograph. Computers, Materials and Continua, 2022, 71, 287-304.	1.9	0
263	Associations of Sex Hormones and Hormonal Status With Arterial Stiffness in a Female Sample From Reproductive Years to Menopause. Frontiers in Endocrinology, 2021, 12, 765916.	3.5	12
264	Relationship between noninvasive central blood pressure and brain natriuretic peptide levels in patients with hypertensive pulmonary edema. Blood Pressure Monitoring, 2021, Publish Ahead of Print, .	0.8	0
265	Peripheral oscillometric arterial performance does not depict coronary status in patients with type 2 diabetes mellitus. Diabetes and Vascular Disease Research, 2021, 18, 147916412110465.	2.0	0
266	Maternal hemodynamics and neonatal birth weight in pregnancies complicated by gestational diabetes: new insights from novel causal inference analysis modeling. Ultrasound in Obstetrics and Gynecology, 2022, , .	1.7	0
267	Inter- and intradialytic fluid volume changes and vascular stiffness parameters in patients on hemodialysis. PLoS ONE, 2022, 17, e0262519.	2.5	1
268	Acute Ambulatory Blood Pressure Response to Short-Term Black Carbon Exposure: The Mobilisense Sensor-Based Study. SSRN Electronic Journal, 0, , .	0.4	0
269	Effects of trunk stretching using an exercise ball on central arterial stiffness and carotid arterial compliance. European Journal of Applied Physiology, 2022, 122, 1205-1216.	2.5	4
270	Arterial stiffness throughout pregnancy: Arteriograph device-specific reference ranges based on a low-risk population. Journal of Hypertension, 2022, 40, 870-877.	0.5	4
271	The effect of breastfeeding during infancy on arterial stiffness in young adults. Minerva Pediatrics, 2022, 74, 49-55.	0.4	0
272	Identifying and managing psoriasis-associated comorbidities: the IMPACT research programme. Programme Grants for Applied Research, 2022, 10, 1-240.	1.0	0
273	Ambulatory measurement of pulsatile hemodynamics. , 2022, , 125-135.		0
276	Effect of vitamin D ₃ supplementation on cardiometabolic disease risk among overweight/obese adult males in the UK: A pilot randomised controlled trial. Journal of Human Nutrition and Dietetics, 2023, 36, 216-225.	2.5	4
277	Acute and Long-Term Consequences of COVID-19 on Arterial Stiffnessâ€”A Narrative Review. Life, 2022, 12, 781.	2.4	7
278	Estimation of carotid-femoral pulse wave velocity from finger photoplethysmography signal. Physiological Measurement, 2022, 43, 075011.	2.1	5
279	Acute ambulatory blood pressure response to short-term black carbon exposure: The MobiliSense sensor-based study. Science of the Total Environment, 2022, 846, 157350.	8.0	7

#	ARTICLE	IF	CITATIONS
281	Feasibility of Brachial Occlusion Technique for Beat-to-Beat Pulse Wave Analysis. <i>Sensors</i> , 2022, 22, 7285.	3.8	0
282	Impact of Cardiovascular Risk Factors on Arterial Stiffness in a Countryside Area of Switzerland: Insights from the Swiss Longitudinal Cohort Study. <i>Cardiology and Therapy</i> , 2022, 11, 545-557.	2.6	3
283	Orthostatic stress response in pediatric Fontan patients and the effect of ACE inhibition. <i>PLoS ONE</i> , 2022, 17, e0273940.	2.5	0
285	Panaszmentes vÃ¡randÃ³sok artÃ©riÃ¡s nyomÃ¡rtÃ©ke a vÃ¡randÃ³ssÃ¡g elsÃ© Ã©s mÃ¡sodik trimeszterÃ©ben. <i>Orvosi Hetilap</i> , 2022, 163, 1721-1726.	0.4	0
286	Associations of cardiorespiratory fitness, body composition, and blood pressure with arterial stiffness in adolescent, young adult, and middle-aged women. <i>Scientific Reports</i> , 2022, 12, .	3.3	1
287	The effects of experimental, meteorological, and physiological factors on short-term repeated pulse wave velocity measurements, and measurement difficulties: A randomized crossover study with two devices. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	2.4	4
288	Oscillometric pulse wave velocity estimated via the Mobil-O-Graph shows excellent accuracy in children, adolescents and young adults: an invasive validation study. <i>Journal of Hypertension</i> , 2023, 41, 597-607.	0.5	5
289	Children with inflammatory bowel disease already have an altered arterial pulse wave. <i>European Journal of Pediatrics</i> , 2023, 182, 1771-1779.	2.7	0
290	Associations of air pollution mixtures with ambulatory blood pressure: The MobiliSense sensor-based study. <i>Environmental Research</i> , 2023, 227, 115720.	7.5	2
291	Role of Altered Metabolism of Triglyceride-Rich Lipoprotein Particles in the Development of Vascular Dysfunction in Systemic Lupus Erythematosus. <i>Biomolecules</i> , 2023, 13, 401.	4.0	3
292	Does treatment modality affect measures of arterial stiffness in women with gestational diabetes?. <i>Ultrasound in Obstetrics and Gynecology</i> , 2023, 62, 422-429.	1.7	2
293	Arterial stiffness and the non-dipping pattern in type 1 diabetes males with and without erectile dysfunction. <i>Scientific Reports</i> , 2023, 13, .	3.3	1
294	Impact of Dietary Nitrate on the Recovery of Therapy-related Vascular Health Impairments Following Standard Periodontal Aftercare Therapy: a Hypothesis-generating Subanalysis. <i>Planta Medica</i> , 2023, 89, 1045-1051.	1.3	1
295	Comparison of office, home and ambulatory blood pressure measurements in hypertensive and suspected hypertensive SWICOS participants. <i>Blood Pressure</i> , 2023, 32, .	1.5	0
296	A Pneumatic Low-Pass Filter for High-Fidelity Cuff-Based Pulse Waveform Acquisition. <i>Annals of Biomedical Engineering</i> , 0, , .	2.5	0
297	Effects of Zofenopril on Arterial Stiffness in Hypertension Patients. <i>Molecular Biotechnology</i> , 0, , .	2.4	1
298	One Step Back from Bedside to the Benchâ€”How Do Different Arterial Stiffness Parameters Behave in Relation to Peripheral Resistance?. <i>Diagnostics</i> , 2023, 13, 2897.	2.6	0
300	Invasively Measured Aortic Systolic Blood Pressure and Office Systolic Blood Pressure in Cardiovascular Risk Assessment in CKD. <i>Kidney International Reports</i> , 2024, 9, 296-311.	0.8	0

#	ARTICLE	IF	CITATIONS
301	2024 Recommendations for Validation of Noninvasive Arterial Pulse Wave Velocity Measurement Devices. Hypertension, 0, , .	2.7	1
302	Feasibility of Arteriograph 24 for evaluation of 24-hour pulse wave velocity and central blood pressure in patients with type 2 diabetes and non-diabetic controls. Blood Pressure Monitoring, 2024, 29, 82-88.	0.8	0
303	Changes in Central Hemodynamics, Wave Reflection, and Heartâ€™Vessel Coupling with Normal and Accelerated Aging. , 2024, , 219-235.		0
304	Estimation of aortic stiffness by finger photoplethysmography using enhanced pulse wave analysis and machine learning. Frontiers in Cardiovascular Medicine, 0, 11, .	2.4	0