

Athanasios D Protogerou

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

201 papers	6,573 citations	38 h-index	75 g-index
222 ext. papers	8,034 ext. citations	3.8 avg, IF	5.58 L-index

#	Paper	IF	Citations
201	Expert consensus document on the measurement of aortic stiffness in daily practice using carotid-femoral pulse wave velocity. <i>Journal of Hypertension</i> , 2012 , 30, 445-8	1.9	1089
200	The role of vascular biomarkers for primary and secondary prevention. A position paper from the European Society of Cardiology Working Group on peripheral circulation: Endorsed by the Association for Research into Arterial Structure and Physiology (ARTERY) Society. <i>Atherosclerosis</i> , 2015 , 241, 507-32	3.1	420
199	Role of pulse pressure amplification in arterial hypertension: experts' opinion and review of the data. <i>Hypertension</i> , 2009 , 54, 375-83	8.5	375
198	Methods for evaluating endothelial function: a position statement from the European Society of Cardiology Working Group on Peripheral Circulation. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , 2011 , 18, 775-89		203
197	Diastolic blood pressure and mortality in the elderly with cardiovascular disease. <i>Hypertension</i> , 2007 , 50, 172-80	8.5	174
196	Association between arterial stiffness, cerebral small vessel disease and cognitive impairment: A systematic review and meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2015 , 53, 121-30	9	146
195	The present and future of deep learning in radiology. <i>European Journal of Radiology</i> , 2019 , 114, 14-24	4.7	143
194	Validation of non-invasive central blood pressure devices: ARTERY Society task force consensus statement on protocol standardization. <i>European Heart Journal</i> , 2017 , 38, 2805-2812	9.5	126
193	The effect of antihypertensive drugs on central blood pressure beyond peripheral blood pressure. Part II: Evidence for specific class-effects of antihypertensive drugs on pressure amplification. <i>Current Pharmaceutical Design</i> , 2009 , 15, 272-89	3.3	112
192	A pilot study of endothelial dysfunction and aortic stiffness after interleukin-6 receptor inhibition in rheumatoid arthritis. <i>Atherosclerosis</i> , 2011 , 219, 734-6	3.1	102
191	Validation of the Microlife Watch BP Office professional device for office blood pressure measurement according to the International protocol. <i>Blood Pressure Monitoring</i> , 2008 , 13, 299-303	1.3	99
190	Interaction Between Hypertension and Arterial Stiffness. <i>Hypertension</i> , 2018 , 72, 796-805	8.5	93
189	Methodology and technology for peripheral and central blood pressure and blood pressure variability measurement: current status and future directions - Position statement of the European Society of Hypertension Working Group on blood pressure monitoring and cardiovascular variability. <i>Journal of Hypertension</i> , 2016 , 34, 1665-77	1.9	89
188	Left-ventricular hypertrophy is associated better with 24-h aortic pressure than 24-h brachial pressure in hypertensive patients: the SAFAR study. <i>Journal of Hypertension</i> , 2014 , 32, 1805-14	1.9	86
187	Hypertension and vascular dynamics in men and women with metabolic syndrome. <i>Journal of the American College of Cardiology</i> , 2013 , 61, 12-9	15.1	84
186	Blood pressure response under chronic antihypertensive drug therapy: the role of aortic stiffness in the REASON (Preterax in Regression of Arterial Stiffness in a Controlled Double-Blind) study. <i>Journal of the American College of Cardiology</i> , 2009 , 53, 445-51	15.1	84
185	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, 1237-48	1.9	81

184	Central blood pressures: do we need them in the management of cardiovascular disease? Is it a feasible therapeutic target?. <i>Journal of Hypertension</i> , 2007 , 25, 265-72	1.9	77
183	Systemic Inflammatory Response and Atherosclerosis: The Paradigm of Chronic Inflammatory Rheumatic Diseases. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	72
182	Milestones in the history of diabetes mellitus: The main contributors. <i>World Journal of Diabetes</i> , 2016 , 7, 1-7	4.7	72
181	Feasibility and reproducibility of noninvasive 24-h ambulatory aortic blood pressure monitoring with a brachial cuff-based oscillometric device. <i>American Journal of Hypertension</i> , 2012 , 25, 876-82	2.3	71
180	Non-invasive 24 hour ambulatory monitoring of aortic wave reflection and arterial stiffness by a novel oscillometric device: the first feasibility and reproducibility study. <i>International Journal of Cardiology</i> , 2013 , 169, 57-61	3.2	67
179	Subclinical atherosclerosis in Systemic Lupus Erythematosus: Comparable risk with Diabetes Mellitus and Rheumatoid Arthritis. <i>Autoimmunity Reviews</i> , 2017 , 16, 308-312	13.6	63
178	Arterial stiffness assessed by pulse wave analysis in essential hypertension: relation to 24-h blood pressure profile. <i>International Journal of Cardiology</i> , 2005 , 102, 391-5	3.2	61
177	Tamoxifen improves endothelial function and reduces carotid intima-media thickness in postmenopausal women. <i>American Heart Journal</i> , 2004 , 147, 1093-9	4.9	57
176	Ambulatory recording of wave reflections and arterial stiffness during intra- and interdialytic periods in patients treated with dialysis. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2015 , 10, 630-8	6.9	54
175	Prognostic significance of visit-to-visit systolic blood pressure variability: a meta-analysis of 77,299 patients. <i>Journal of Clinical Hypertension</i> , 2015 , 17, 107-15	2.3	54
174	Aortic wave reflection in women and men. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 299, H236-42	5.2	50
173	Evaluation of a novel brachial cuff-based oscillometric method for estimating central systolic pressure in hemodialysis patients. <i>American Journal of Nephrology</i> , 2014 , 40, 242-50	4.6	48
172	Automated determination of the ankle-brachial index using an oscillometric blood pressure monitor: validation vs. Doppler measurement and cardiovascular risk factor profile. <i>Hypertension Research</i> , 2011 , 34, 825-30	4.7	48
171	Gender influence on metabolic syndromeQ effects on arterial stiffness and pressure wave reflections in treated hypertensive subjects. <i>Atherosclerosis</i> , 2007 , 193, 151-8	3.1	44
170	COVID-19 pathways for brain and heart injury in comorbidity patients: A role of medical imaging and artificial intelligence-based COVID severity classification: A review. <i>Computers in Biology and Medicine</i> , 2020 , 124, 103960	7	44
169	Characteristics of pulse wave velocity in elastic and muscular arteries: a mismatch beyond age. <i>Journal of Hypertension</i> , 2013 , 31, 554-9; discussion 559	1.9	42
168	Association of Estimated Pulse Wave Velocity With Survival: A Secondary Analysis of SPRINT. <i>JAMA Network Open</i> , 2019 , 2, e1912831	10.4	41
167	Arterial stiffness and central hemodynamics in treated hypertensive subjects according to brachial blood pressure classification. <i>Journal of Hypertension</i> , 2008 , 26, 130-7	1.9	41

166	The effect of antihypertensive drugs on central blood pressure beyond peripheral blood pressure. Part I: (Patho)-physiology, rationale and perspective on pulse pressure amplification. <i>Current Pharmaceutical Design</i> , 2009 , 15, 267-71	3.3	39
165	Vascular consequences of inflammation: a position statement from the ESH Working Group on Vascular Structure and Function and the ARTERY Society. <i>Journal of Hypertension</i> , 2020 , 38, 1682-1698	1.9	39
164	Increased pulse pressure amplification in treated hypertensive subjects with metabolic syndrome. <i>American Journal of Hypertension</i> , 2007 , 20, 127-33	2.3	38
163	A low-cost machine learning-based cardiovascular/stroke risk assessment system: integration of conventional factors with image phenotypes. <i>Cardiovascular Diagnosis and Therapy</i> , 2019 , 9, 420-430	2.6	35
162	Vitamin K2 supplementation and arterial stiffness among renal transplant recipients-a single-arm, single-center clinical trial. <i>Journal of the American Society of Hypertension</i> , 2017 , 11, 589-597		35
161	Arterial hypertension assessed "out-of-office" in a contemporary cohort of rheumatoid arthritis patients free of cardiovascular disease is characterized by high prevalence, low awareness, poor control and increased vascular damage-associated "white coat" phenomenon. <i>Arthritis Research and Therapy</i> , 2013 , 15, 21-32	5.7	34
160	Central hemodynamic modifications in diabetes mellitus. <i>Atherosclerosis</i> , 2013 , 230, 315-21	3.1	34
159	Comorbidity of Cognitive Impairment and Late-Life Depression Increase Mortality: Results From a Cohort of Community-Dwelling Elderly Individuals in Rural Greece. <i>Journal of Geriatric Psychiatry and Neurology</i> , 2016 , 29, 195-204	3.8	33
158	Ambulatory aortic blood pressure, wave reflections and pulse wave velocity are elevated during the third in comparison to the second interdialytic day of the long interval in chronic haemodialysis patients. <i>Nephrology Dialysis Transplantation</i> , 2015 , 30, 2046-53	4.3	32
157	Twenty-Four-Hour Ambulatory Pulse Wave Analysis in Hypertension Management: Current Evidence and Perspectives. <i>Current Hypertension Reports</i> , 2016 , 18, 72	4.7	32
156	Subclinical Atherosclerosis Is Not Accelerated in Patients with Ankylosing Spondylitis with Low Disease Activity: New Data and Metaanalysis of Published Studies. <i>Journal of Rheumatology</i> , 2015 , 42, 2098-105	4.1	31
155	Cardiovascular/stroke risk predictive calculators: a comparison between statistical and machine learning models. <i>Cardiovascular Diagnosis and Therapy</i> , 2020 , 10, 919-938	2.6	31
154	Global perspective on carotid intima-media thickness and plaque: should the current measurement guidelines be revisited?. <i>International Angiology</i> , 2019 , 38, 451-465	2.2	29
153	Performance evaluation of 10-year ultrasound image-based stroke/cardiovascular (CV) risk calculator by comparing against ten conventional CV risk calculators: A diabetic study. <i>Computers in Biology and Medicine</i> , 2019 , 105, 125-143	7	29
152	Structural and functional arterial properties in patients with obstructive sleep apnoea syndrome and cardiovascular comorbidities. <i>Journal of Human Hypertension</i> , 2008 , 22, 415-22	2.6	28
151	Effect of CPAP treatment on endothelial function and plasma CRP levels in patients with sleep apnea. <i>Medical Science Monitor</i> , 2012 , 18, CR747-51	3.2	28
150	Mean arterial pressure values calculated using seven different methods and their associations with target organ deterioration in a single-center study of 1878 individuals. <i>Hypertension Research</i> , 2016 , 39, 640-7	4.7	28
149	Effect of carotid image-based phenotypes on cardiovascular risk calculator: AECRS1.0. <i>Medical and Biological Engineering and Computing</i> , 2019 , 57, 1553-1566	3.1	27

148	Arterial wave reflection is associated with severity of extracoronary atherosclerosis in patients with coronary artery disease. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , 2006 , 13, 236-42		27
147	Low miR200b-5p levels in minor salivary glands: a novel molecular marker predicting lymphoma development in patients with Sjögren's syndrome. <i>Annals of the Rheumatic Diseases</i> , 2018 , 77, 1200-1207	2.4	27
146	A Special Report on Changing Trends in Preventive Stroke/Cardiovascular Risk Assessment Via B-Mode Ultrasonography. <i>Current Atherosclerosis Reports</i> , 2019 , 21, 25	6	26
145	Seasonal variation in blood pressure: Evidence, consensus and recommendations for clinical practice. Consensus statement by the European Society of Hypertension Working Group on Blood Pressure Monitoring and Cardiovascular Variability. <i>Journal of Hypertension</i> , 2020 , 38, 1235-1243	1.9	26
144	Myocardial ischaemia without obstructive coronary artery disease in rheumatoid arthritis: hypothesis-generating insights from a cross-sectional study. <i>Rheumatology</i> , 2013 , 52, 76-80	3.9	26
143	Dissociation between central augmentation index and carotid-femoral pulse-wave velocity: when and why?. <i>American Journal of Hypertension</i> , 2007 , 20, 648-9	2.3	26
142	3-D optimized classification and characterization artificial intelligence paradigm for cardiovascular/stroke risk stratification using carotid ultrasound-based delineated plaque: Atheromatic2.0. <i>Computers in Biology and Medicine</i> , 2020 , 125, 103958	7	26
141	A narrative review on characterization of acute respiratory distress syndrome in COVID-19-infected lungs using artificial intelligence. <i>Computers in Biology and Medicine</i> , 2021 , 130, 104210	7	26
140	Atherosclerosis is not accelerated in rheumatoid arthritis of low activity or remission, regardless of antirheumatic treatment modalities. <i>Rheumatology</i> , 2017 , 56, 934-939	3.9	25
139	Ambulatory systolic-diastolic pressure regression index as a predictor of clinical events: a meta-analysis of longitudinal studies. <i>Stroke</i> , 2012 , 43, 733-9	6.7	25
138	Prevalence of hypertension and hypertension phenotypes by age and gender among schoolchildren in Greece: The Healthy Growth Study. <i>Atherosclerosis</i> , 2017 , 259, 128-133	3.1	24
137	Acute effects of beer on endothelial function and hemodynamics: a single-blind, crossover study in healthy volunteers. <i>Nutrition</i> , 2013 , 29, 1122-6	4.8	24
136	Longitudinal Changes in Mean and Pulse Pressure, and All-Cause Mortality: Data From 71,629 Untreated Normotensive Individuals. <i>American Journal of Hypertension</i> , 2017 , 30, 1093-1099	2.3	24
135	Association Between Arterial Stiffness and Skin Microvascular Function: The SUVIMAX2 Study and The Maastricht Study. <i>American Journal of Hypertension</i> , 2015 , 28, 868-76	2.3	24
134	Statins, central blood pressure, and blood pressure amplification. <i>Circulation</i> , 2009 , 119, 9-12	16.7	24
133	Predictors of new atherosclerotic carotid plaque development in patients with rheumatoid arthritis: a longitudinal study. <i>Arthritis Research and Therapy</i> , 2012 , 14, R44	5.7	23
132	Ranking of stroke and cardiovascular risk factors for an optimal risk calculator design: Logistic regression approach. <i>Computers in Biology and Medicine</i> , 2019 , 108, 182-195	7	22
131	Prognosis in the hospitalized very elderly: the PROTEGER study. <i>International Journal of Cardiology</i> , 2013 , 168, 2714-9	3.2	22

130	The Additive Value of Femoral Ultrasound for Subclinical Atherosclerosis Assessment in a Single Center Cohort of 962 Adults, Including High Risk Patients with Rheumatoid Arthritis, Human Immunodeficiency Virus Infection and Type 2 Diabetes Mellitus. <i>PLoS ONE</i> , 2015 , 10, e0132307	3.7	21
129	Cardiac and arterial calcifications and all-cause mortality in the elderly: the PROTEGER Study. <i>Atherosclerosis</i> , 2010 , 213, 622-6	3.1	21
128	Miliary tuberculous peritonitis mimicking advanced ovarian cancer. <i>Gynecologic and Obstetric Investigation</i> , 2003 , 56, 89-92	2.5	21
127	Rheumatoid arthritis is sufficient to cause atheromatosis but not arterial stiffness or hypertrophy in the absence of classical cardiovascular risk factors. <i>Clinical Rheumatology</i> , 2015 , 34, 853-9	3.9	20
126	Two-stage artificial intelligence model for jointly measurement of atherosclerotic wall thickness and plaque burden in carotid ultrasound: A screening tool for cardiovascular/stroke risk assessment. <i>Computers in Biology and Medicine</i> , 2020 , 123, 103847	7	20
125	The Keith-Wagener-Barker and Mitchell-Wong grading systems for hypertensive retinopathy: association with target organ damage in individuals below 55 years. <i>Journal of Hypertension</i> , 2015 , 33, 2303-9	1.9	20
124	Prevalence and prognosis of left ventricular diastolic dysfunction in the elderly: The PROTEGER Study. <i>American Heart Journal</i> , 2010 , 160, 471-8	4.9	20
123	The relative impact of different measures of adiposity on markers of early atherosclerosis. <i>International Journal of Cardiology</i> , 2007 , 119, 139-46	3.2	20
122	Interrelated modulation of endothelial function in Behcet's disease by clinical activity and corticosteroid treatment. <i>Arthritis Research and Therapy</i> , 2007 , 9, R90	5.7	20
121	Pulse pressure amplification, adiposity and metabolic syndrome in subjects under chronic antihypertensive therapy: the role of heart rate. <i>Atherosclerosis</i> , 2008 , 199, 222-9	3.1	19
120	Large artery stiffness and antihypertensive agents. <i>Current Pharmaceutical Design</i> , 2005 , 11, 3317-26	3.3	19
119	The Role of Colchicine in the Treatment of Autoinflammatory Diseases. <i>Current Pharmaceutical Design</i> , 2018 , 24, 690-694	3.3	19
118	Low-cost preventive screening using carotid ultrasound in patients with diabetes. <i>Frontiers in Bioscience - Landmark</i> , 2020 , 25, 1132-1171	2.8	19
117	Responses of the ambulatory arterial stiffness index and other measures of arterial function to antihypertensive drugs. <i>Hypertension Research</i> , 2011 , 34, 489-95	4.7	18
116	Cost estimation of hypertension management based on home blood pressure monitoring alone or combined office and ambulatory blood pressure measurements. <i>Journal of the American Society of Hypertension</i> , 2014 , 8, 732-8		17
115	Wilson disease tissue classification and characterization using seven artificial intelligence models embedded with 3D optimization paradigm on a weak training brain magnetic resonance imaging datasets: a supercomputer application. <i>Medical and Biological Engineering and Computing</i> , 2021 , 59, 511-533	3.1	17
114	Arterial stiffness and orthostatic blood pressure changes in untreated and treated hypertensive subjects. <i>Journal of the American Society of Hypertension</i> , 2008 , 2, 372-7		16
113	Angiotensin System Blockade Combined With Calcium Channel Blockers Is Superior to Other Combinations in Cardiovascular Protection With Similar Blood Pressure Reduction: A Meta-Analysis in 20,451 Hypertensive Patients. <i>Journal of Clinical Hypertension</i> , 2016 , 18, 801-8	2.3	16

112	Determinants of the aortic pulse wave velocity index in hypertensive and diabetic patients: predictive and therapeutic implications. <i>Journal of Hypertension</i> , 2018 , 36, 2324-2332	1.9	16
111	COVLIAS 1.0: Lung Segmentation in COVID-19 Computed Tomography Scans Using Hybrid Deep Learning Artificial Intelligence Models. <i>Diagnostics</i> , 2021 , 11,	3.8	16
110	The effect of raisins on biomarkers of endothelial function and oxidant damage; an open-label and randomized controlled intervention. <i>Food Research International</i> , 2017 , 102, 674-680	7	15
109	Morphological Carotid Plaque Area Is Associated With Glomerular Filtration Rate: A Study of South Asian Indian Patients With Diabetes and Chronic Kidney Disease. <i>Angiology</i> , 2020 , 71, 520-535	2.1	15
108	Update on assessment and management of primary cardiac involvement in systemic sclerosis.. <i>Journal of Scleroderma and Related Disorders</i> , 2018 , 3, 53-65	2.3	15
107	Automated device that complies with current guidelines for office blood pressure measurement: design and pilot application study of the Microlife WatchBP Office device. <i>Blood Pressure Monitoring</i> , 2008 , 13, 231-5	1.3	15
106	Artificial intelligence framework for predictive cardiovascular and stroke risk assessment models: A narrative review of integrated approaches using carotid ultrasound. <i>Computers in Biology and Medicine</i> , 2020 , 126, 104043	7	15
105	Blood pressure variability: a confounder and a cardiovascular risk factor. <i>Hypertension Research</i> , 2011 , 34, 162-3	4.7	14
104	Subclinical femoral atheromatosis in rheumatoid arthritis: comparable prevalence to diabetes mellitus in a case-control study. <i>Annals of the Rheumatic Diseases</i> , 2012 , 71, 1534-6	2.4	14
103	Does the Carotid Bulb Offer a Better 10-Year CVD/Stroke Risk Assessment Compared to the Common Carotid Artery? A 1516 Ultrasound Scan Study. <i>Angiology</i> , 2020 , 71, 920-933	2.1	14
102	Accelerated atheromatosis and arteriosclerosis in primary systemic vasculitides: current evidence and future perspectives. <i>Current Opinion in Rheumatology</i> , 2018 , 30, 36-43	5.3	13
101	The combined effect of aortic stiffness and pressure wave reflections on mortality in the very old with cardiovascular disease: the PROTEGER Study. <i>Hypertension Research</i> , 2011 , 34, 803-8	4.7	13
100	Atherosclerotic risk factors and carotid stiffness in elderly asymptomatic HD patients. <i>International Urology and Nephrology</i> , 2006 , 38, 801-9	2.3	13
99	Arterial wave reflections are associated with left ventricular diastolic dysfunction in Adamantiades-Behçet disease. <i>Journal of Cardiac Failure</i> , 2006 , 12, 458-63	3.3	13
98	Pulse wave velocity and cardiac autonomic function in type 2 diabetes mellitus. <i>BMC Endocrine Disorders</i> , 2017 , 17, 27	3.3	12
97	From Optimal to Borderline blood pressure in subjects under chronic antihypertensive therapy. <i>Journal of Hypertension</i> , 2008 , 26, 138-44	1.9	12
96	Integration of estimated glomerular filtration rate biomarker in image-based cardiovascular disease/stroke risk calculator: a south Asian-Indian diabetes cohort with moderate chronic kidney disease. <i>International Angiology</i> , 2020 , 39, 290-306	2.2	12
95	Integration of cardiovascular risk assessment with COVID-19 using artificial intelligence. <i>Reviews in Cardiovascular Medicine</i> , 2020 , 21, 541-560	3.9	12

94	Multimodality carotid plaque tissue characterization and classification in the artificial intelligence paradigm: a narrative review for stroke application. <i>Annals of Translational Medicine</i> , 2021 , 9, 1206	3.2	12
93	Intact calibers of retinal vessels in patients with systemic sclerosis. <i>Journal of Rheumatology</i> , 2015 , 42, 608-13	4.1	11
92	Arterial Stiffness in Hypertension and Function of Large Arteries. <i>American Journal of Hypertension</i> , 2020 , 33, 291-296	2.3	11
91	Aortic systolic pressure derived with different calibration methods: associations to brachial systolic pressure in the general population. <i>Blood Pressure Monitoring</i> , 2018 , 23, 134-140	1.3	11
90	Mechanisms of pulse pressure amplification dipping pattern during sleep time: the SAFAR study. <i>Journal of the American Society of Hypertension</i> , 2018 , 12, 117-127		10
89	Total arterial compliance estimated by a novel method and all-cause mortality in the elderly: the PROTEGER study. <i>Age</i> , 2014 , 36, 9661		10
88	Impact of non-steroidal anti-inflammatory drugs on cardiovascular risk: Is it the same in osteoarthritis and rheumatoid arthritis?. <i>Modern Rheumatology</i> , 2017 , 27, 559-569	3.3	10
87	Blood Pressure and All-Cause Mortality by Level of Cognitive Function in the Elderly: Results From a Population-Based Study in Rural Greece. <i>Journal of Clinical Hypertension</i> , 2017 , 19, 161-169	2.3	10
86	Associations between dietary patterns and skin microcirculation in healthy subjects. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 463-9	9.4	10
85	Noninvasive Cardiac Output and Central Systolic Pressure From Cuff-Pressure and Pulse Wave Velocity. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020 , 24, 1968-1981	7.2	10
84	A clinical score for prediction of elevated aortic stiffness: derivation and validation in 3943 hypertensive patients. <i>Journal of Hypertension</i> , 2019 , 37, 339-346	1.9	10
83	Gender difference in cardiovascular risk factors in the elderly with cardiovascular disease in the last stage of lifespan: the PROTEGER study. <i>International Journal of Cardiology</i> , 2012 , 155, 144-8	3.2	9
82	Genetically Predicted Blood Pressure Across the Lifespan: Differential Effects of Mean and Pulse Pressure on Stroke Risk. <i>Hypertension</i> , 2020 , 76, 953-961	8.5	8
81	First in vivo application and evaluation of a novel method for non-invasive estimation of cardiac output. <i>Medical Engineering and Physics</i> , 2014 , 36, 1352-7	2.4	8
80	Comparison study of central blood pressure and wave reflection obtained from tonometry-based devices. <i>American Journal of Hypertension</i> , 2013 , 26, 34-41	2.3	8
79	Radial late-SBP as a surrogate for central SBP. <i>Journal of Hypertension</i> , 2011 , 29, 676-81	1.9	8
78	Pressure wave reflections, central blood pressure, and aortic stiffness in patients with Adamantiades-Behcet's disease: a cross-sectional case-control study underlining the role of chronic corticosteroid treatment. <i>American Journal of Hypertension</i> , 2006 , 19, 660-6; discussion 667-8	2.3	8
77	Genetic variations of the endothelial nitric oxide synthase gene are related to increased levels of C-reactive protein and macrophage-colony stimulating-factor in patients with coronary artery disease. <i>Thrombosis and Haemostasis</i> , 2006 , 96, 520-528	7	8

76	Ultrasound-based stroke/cardiovascular risk stratification using Framingham Risk Score and ASCVD Risk Score based on "Integrated Vascular Age" instead of "Chronological Age": a multi-ethnic study of Asian Indian, Caucasian, and Japanese cohorts. <i>Cardiovascular Diagnosis and Therapy</i> , 2020 , 10, 939-954	2.6	8
75	Heat therapy: an ancient concept re-examined in the era of advanced biomedical technologies. <i>Journal of Physiology</i> , 2016 , 594, 7141-7142	3.9	8
74	24-hour aortic blood pressure variability showed a stronger association with carotid damage than 24-hour brachial blood pressure variability: The SAFAR study. <i>Journal of Clinical Hypertension</i> , 2018 , 20, 499-507	2.3	7
73	Differences in pulse pressure day variability between the brachial artery and the aorta in healthy subjects. <i>Artery Research</i> , 2012 , 6, 34	2.2	7
72	Cardiovascular risk assessment in patients with rheumatoid arthritis using carotid ultrasound B-mode imaging. <i>Rheumatology International</i> , 2020 , 40, 1921-1939	3.6	7
71	Cardiovascular disease and stroke risk assessment in patients with chronic kidney disease using integration of estimated glomerular filtration rate, ultrasonic image phenotypes, and artificial intelligence: a narrative review. <i>International Angiology</i> , 2021 , 40, 150-164	2.2	7
70	Validation of non-invasive central blood pressure devices: Artery society task force (abridged) consensus statement on protocol standardization. <i>Artery Research</i> , 2017 , 20, 35	2.2	6
69	Inter-Variability Study of COVLIAS 1.0: Hybrid Deep Learning Models for COVID-19 Lung Segmentation in Computed Tomography. <i>Diagnostics</i> , 2021 , 11,	3.8	6
68	Accuracy and precision of cardiac output estimation by an automated, brachial cuff-based oscillometric device in patients with shock. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2020 , 234, 1330-1336	1.7	6
67	A Review on Joint Carotid Intima-Media Thickness and Plaque Area Measurement in Ultrasound for Cardiovascular/Stroke Risk Monitoring: Artificial Intelligence Framework. <i>Journal of Digital Imaging</i> , 2021 , 34, 581-604	5.3	6
66	Prevalence, Incidence, and Contributors of Subclinical Atheromatosis, Arteriosclerosis, and Arterial Hypertrophy in HIV-Infected Individuals: A Single-Center, 3-Year Prospective Study. <i>Angiology</i> , 2019 , 70, 448-457	2.1	6
65	Aortic Ambulatory Blood Pressure Monitoring and Target Organ Damage: Are the Data Really Conflicting?. <i>American Journal of Hypertension</i> , 2018 , 31, 1260-1262	2.3	6
64	On the importance of the nonuniform aortic stiffening in the hemodynamics of physiological aging. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019 , 317, H1125-H1133	5.2	5
63	Progression of Subclinical Vascular Damage in People Living With HIV Is Not Predicted by Current Cardiovascular Risk Scores: A Prospective 3-Year Study. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2020 , 83, 504-512	3.1	5
62	In vivo evaluation of a novel Diastole-patching Algorithm for the estimation of pulse transit time: advancing the precision in pulse wave velocity measurement. <i>Physiological Measurement</i> , 2015 , 36, 149-619	2.9	5
61	Predictive factors for all-cause mortality in the hospitalized elderly subject: the importance of arrhythmia. <i>Atherosclerosis</i> , 2009 , 207, 507-13	3.1	5
60	Retinal vascular calibers in contemporary patients with chronic systemic inflammatory diseases: The Greek REtinal Microcirculation (GREM) study. <i>Artery Research</i> , 2017 , 18, 1	2.2	4
59	Added value of aortic pulse wave velocity index for the detection of coronary heart disease by elective coronary angiography. <i>Blood Pressure</i> , 2019 , 28, 375-384	1.7	4

58	Arterial stiffness and Chlamydia pneumoniae infection in coronary artery disease. Is there a link?. <i>Scandinavian Cardiovascular Journal</i> , 2006 , 40, 285-90	2	4
57	Current Data on Dietary Sodium, Arterial Structure and Function in Humans: A Systematic Review. <i>Nutrients</i> , 2019 , 12,	6.7	4
56	Levels of dietary sodium intake: diverging associations with arterial stiffness and atheromatosis. <i>Hellenic Journal of Cardiology</i> , 2021 , 62, 439-446	2.1	4
55	COVLIAS 1.0 vs. MedSeg: Artificial Intelligence-Based Comparative Study for Automated COVID-19 Computed Tomography Lung Segmentation in Italian and Croatian Cohorts.. <i>Diagnostics</i> , 2021 , 11,	3.8	4
54	Total arterial compliance, estimated by a novel method, is better related to left ventricular mass compared to aortic pulse wave velocity: The SAFAR study. <i>Clinical and Experimental Hypertension</i> , 2017 , 39, 271-276	2.2	3
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35	Twenty-four-hour aortic ambulatory blood pressure monitoring and target organ damage: more data are needed. <i>Journal of Hypertension</i> , 2017 , 35, 2323	1.9	1
34	Assessing blood pressure and arterial aging in pharmacies-New hope for blood pressure control in the community?. <i>Journal of Clinical Hypertension</i> , 2019 , 21, 822-824	2.3	1
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