

Alun D Hughes

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/206713/publications.pdf>

Version: 2024-02-01

686
papers

25,749
citations

8159

76
h-index

12558

132
g-index

751
all docs

751
docs citations

751
times ranked

27961
citing authors

#	ARTICLE	IF	CITATIONS
1	Differential Impact of Blood Pressure-“Lowering Drugs on Central Aortic Pressure and Clinical Outcomes. <i>Circulation</i> , 2006, 113, 1213-1225.	1.6	2,091
2	A perspective of polyamine metabolism. <i>Biochemical Journal</i> , 2003, 376, 1-14.	1.7	835
3	Development and Validation of a New Adenosine-Independent Index of Stenosis Severity From Coronary Wave-“Intensity Analysis. <i>Journal of the American College of Cardiology</i> , 2012, 59, 1392-1402.	1.2	579
4	Metabolite Profiling and Cardiovascular Event Risk. <i>Circulation</i> , 2015, 131, 774-785.	1.6	547
5	Endothelial von Willebrand factor regulates angiogenesis. <i>Blood</i> , 2011, 117, 1071-1080.	0.6	419
6	Segmentation of blood vessels from red-free and fluorescein retinal images. <i>Medical Image Analysis</i> , 2007, 11, 47-61.	7.0	367
7	Evidence of a Dominant Backward-Propagating “Suction”Wave Responsible for Diastolic Coronary Filling in Humans, Attenuated in Left Ventricular Hypertrophy. <i>Circulation</i> , 2006, 113, 1768-1778.	1.6	344
8	Abnormalities of Retinal Microvascular Structure and Risk of Mortality From Ischemic Heart Disease and Stroke. <i>Hypertension</i> , 2006, 47, 975-981.	1.3	322
9	Pre-existing polymerase-specific T cells expand in abortive seronegative SARS-CoV-2. <i>Nature</i> , 2022, 601, 110-117.	13.7	280
10	First-in-man safety evaluation of renal denervation for chronic systolic heart failure: Primary outcome from REACH-Pilot study. <i>International Journal of Cardiology</i> , 2013, 162, 189-192.	0.8	274
11	Cohort Profile: Updating the cohort profile for the MRC National Survey of Health and Development: a new clinic-based data collection for ageing research. <i>International Journal of Epidemiology</i> , 2011, 40, e1-e9.	0.9	257
12	Blood flow and vessel mechanics in a physiologically realistic model of a human carotid arterial bifurcation. <i>Journal of Biomechanics</i> , 2000, 33, 975-984.	0.9	253
13	Cardiovascular and metabolic effects of metformin in patients with type 1 diabetes (REMOVAL): a double-blind, randomised, placebo-controlled trial. <i>Lancet Diabetes and Endocrinology</i> , 2017, 5, 597-609.	5.5	248
14	Differences in smoking associated DNA methylation patterns in South Asians and Europeans. <i>Clinical Epigenetics</i> , 2014, 6, 4.	1.8	246
15	The Relationship Between Metabolic Risk Factors and Incident Cardiovascular Disease in Europeans, South Asians, and African Caribbeans. <i>Journal of the American College of Cardiology</i> , 2013, 61, 1777-1786.	1.2	237
16	Cardiac and vascular pathophysiology in hypertension. <i>British Heart Journal</i> , 2003, 89, 1104-1109.	2.2	231
17	Genomic and phenotypic insights from an atlas of genetic effects on DNA methylation. <i>Nature Genetics</i> , 2021, 53, 1311-1321.	9.4	218
18	Diagnostic Classification of the Instantaneous Wave-Free Ratio Is Equivalent to Fractional Flow Reserve and Is Not Improved With Adenosine Administration. <i>Journal of the American College of Cardiology</i> , 2013, 61, 1409-1420.	1.2	209

#	ARTICLE	IF	CITATIONS
19	Retinal vascular tree morphology: a semi-automatic quantification. IEEE Transactions on Biomedical Engineering, 2002, 49, 912-917.	2.5	203
20	Circulating MicroRNA-122 Is Associated With the Risk of New-Onset Metabolic Syndrome and Type 2 Diabetes. Diabetes, 2017, 66, 347-357.	0.3	199
21	Diabetes risk and amino acid profiles: cross-sectional and prospective analyses of ethnicity, amino acids and diabetes in a South Asian and European cohort from the SABRE (Southall And Brent) Tj ETQq1 1 0.7843149gBT / Overlock 1	1.0	176
22	Accuracy of Cuff-Measured Blood Pressure. Journal of the American College of Cardiology, 2017, 70, 572-586.	1.2	186
23	Tissue Doppler E/E' ratio is a powerful predictor of primary cardiac events in a hypertensive population: an ASCOT substudy. European Heart Journal, 2010, 31, 747-752.	1.0	176
24	Validation of non-invasive central blood pressure devices: ARTERY Society task force consensus statement on protocol standardization. European Heart Journal, 2017, 38, 2805-2812.	1.0	175
25	Metabolomic Profiling of Statin Use and Genetic Inhibition of HMG-CoA Reductase. Journal of the American College of Cardiology, 2016, 67, 1200-1210.	1.2	173
26	Pre-eclampsia, antiretroviral therapy, and immune reconstitution. Lancet, The, 2002, 360, 1152-1154.	6.3	161
27	Classification performance of instantaneous wave-free ratio (iFR) and fractional flow reserve in a clinical population of intermediate coronary stenoses: results of the ADVISE registry. EuroIntervention, 2013, 9, 91-101.	1.4	161
28	The interaction of the SRA domain of ICBP90 with a novel domain of DNMT1 is involved in the regulation of VEGF gene expression. Oncogene, 2008, 27, 2187-2197.	2.6	158
29	Baseline Instantaneous Wave-Free Ratio as a Pressure-Only Estimation of Underlying Coronary Flow Reserve. Circulation: Cardiovascular Interventions, 2014, 7, 492-502.	1.4	152
30	Effects of blood pressure lowering and intensive glucose control on the incidence and progression of retinopathy in patients with type 2 diabetes mellitus: a randomised controlled trial. Diabetologia, 2009, 52, 2027-2036.	2.9	150
31	Tyrosine kinase inhibitors block calcium channel currents in vascular smooth muscle cells. Biochemical and Biophysical Research Communications, 1992, 189, 1620-1623.	1.0	147
32	Reconstruction of blood flow patterns in a human carotid bifurcation: A combined CFD and MRI study. Journal of Magnetic Resonance Imaging, 2000, 11, 299-311.	1.9	147
33	The arterial reservoir pressure increases with aging and is the major determinant of the aortic augmentation index. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H580-H586.	1.5	139
34	Fluid structure interaction of patient specific abdominal aortic aneurysms: a comparison with solid stress models. BioMedical Engineering OnLine, 2006, 5, 33.	1.3	138
35	Meta-Analysis of Dose-Response Relationships for Hydrochlorothiazide, Chlorthalidone, and Bendroflumethiazide on Blood Pressure, Serum Potassium, and Urate. Hypertension, 2012, 59, 1104-1109.	1.3	136
36	Insulin Resistance and Truncal Obesity as Important Determinants of the Greater Incidence of Diabetes in Indian Asians and African Caribbeans Compared With Europeans. Diabetes Care, 2013, 36, 383-393.	4.3	136

#	ARTICLE	IF	CITATIONS
37	Use of simultaneous pressure and velocity measurements to estimate arterial wave speed at a single site in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 290, H878-H885.	1.5	134
38	Wave-energy patterns in carotid, brachial, and radial arteries: a noninvasive approach using wave-intensity analysis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H270-H276.	1.5	131
39	A Meta-Analysis of the Mechanism of Blood Pressure Change With Aging. <i>Journal of the American College of Cardiology</i> , 2009, 54, 2087-2092.	1.2	127
40	Inhibition of Carbonic Anhydrase Accounts for the Direct Vascular Effects of Hydrochlorothiazide. <i>Hypertension</i> , 1999, 33, 1043-1048.	1.3	122
41	Curvature and tortuosity of the superficial femoral artery: a possible risk factor for peripheral arterial disease. <i>Journal of Applied Physiology</i> , 2006, 101, 1412-1418.	1.2	119
42	Platelet-derived growth factor (PDGF): Actions and mechanisms in vascular smooth muscle. <i>General Pharmacology</i> , 1996, 27, 1079-1089.	0.7	117
43	Thiazide-Induced Vasodilation in Humans Is Mediated by Potassium Channel Activation. <i>Hypertension</i> , 1998, 32, 1071-1076.	1.3	116
44	Haemodynamic effects of changes in atrioventricular and interventricular delay in cardiac resynchronisation therapy show a consistent pattern: analysis of shape, magnitude and relative importance of atrioventricular and interventricular delay. <i>Heart</i> , 2006, 92, 1628-1634.	1.2	116
45	Recent developments in near-infrared spectroscopy (NIRS) for the assessment of local skeletal muscle microvascular function and capacity to utilise oxygen. <i>Artery Research</i> , 2016, 16, 25.	0.3	116
46	Inter-individual variations in wall shear stress and mechanical stress distributions at the carotid artery bifurcation of healthy humans. <i>Journal of Biomechanics</i> , 2002, 35, 1367-1377.	0.9	114
47	Fluid-structure interaction analysis of a patient-specific right coronary artery with physiological velocity and pressure waveforms. <i>Communications in Numerical Methods in Engineering</i> , 2009, 25, 565-580.	1.3	111
48	Pre-Angioplasty Instantaneous Wave-Free Ratio Pullback Provides Virtual Intervention and Predicts Hemodynamic Outcome for Serial Lesions and Diffuse Coronary Artery Disease. <i>JACC: Cardiovascular Interventions</i> , 2014, 7, 1386-1396.	1.1	107
49	Large-scale genome-wide analysis identifies genetic variants associated with cardiac structure and function. <i>Journal of Clinical Investigation</i> , 2017, 127, 1798-1812.	3.9	106
50	Quantification of topological changes in retinal vascular architecture in essential and malignant hypertension. <i>Journal of Hypertension</i> , 2006, 24, 889-894.	0.3	103
51	Computer algorithms for the automated measurement of retinal arteriolar diameters. <i>British Journal of Ophthalmology</i> , 2001, 85, 74-79.	2.1	101
52	Hybrid iFR-FFR decision-making strategy: implications for enhancing universal adoption of physiology-guided coronary revascularisation. <i>EuroIntervention</i> , 2013, 8, 1157-1165.	1.4	99
53	Impact of Statin Therapy on Central Aortic Pressures and Hemodynamics. <i>Circulation</i> , 2009, 119, 53-61.	1.6	98
54	Ethnicity and prediction of cardiovascular disease: performance of QRISK2 and Framingham scores in a UK tri-ethnic prospective cohort study (SABRE "Southall And Brent REvisited"). <i>Heart</i> , 2014, 100, 60-67.	1.2	98

#	ARTICLE	IF	CITATIONS
55	Direct Vascular Effects of Furosemide in Humans. <i>Circulation</i> , 1997, 96, 1847-1852.	1.6	98
56	Limitations of Augmentation Index in the Assessment of Wave Reflection in Normotensive Healthy Individuals. <i>PLoS ONE</i> , 2013, 8, e59371.	1.1	97
57	Mechanisms of Myocardial Ischemia in Hypertrophic Cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2016, 68, 1651-1660.	1.2	92
58	Wave intensity analysis and the development of the reservoirâ€“wave approach. <i>Medical and Biological Engineering and Computing</i> , 2009, 47, 221-232.	1.6	91
59	Fluid-Wall Modelling of Mass Transfer in an Axisymmetric Stenosis: Effects of Shear-Dependent Transport Properties. <i>Annals of Biomedical Engineering</i> , 2006, 34, 1119-1128.	1.3	90
60	Determination of optimal atrioventricular delay for cardiac resynchronization therapy using acute non-invasive blood pressure. <i>Europace</i> , 2006, 8, 358-366.	0.7	90
61	Calcium Channels in Vascular Smooth Muscle Cells. <i>Journal of Vascular Research</i> , 1995, 32, 353-370.	0.6	89
62	Wave Reflection Predicts Cardiovascular Events in Hypertensive Individuals Independent of Blood Pressure and Other Cardiovascular Risk Factors. <i>Journal of the American College of Cardiology</i> , 2010, 56, 24-30.	1.2	89
63	Arterial Pulse Wave Dynamics After Percutaneous Aortic Valve Replacement. <i>Circulation</i> , 2011, 124, 1565-1572.	1.6	89
64	Analysis of complex flow and the relationship between blood pressure, wall shear stress, and intima-media thickness in the human carotid artery. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H1031-H1037.	1.5	87
65	Hepatitis C infection and clearance: impact on atherosclerosis and cardiometabolic risk factors. <i>Gut</i> , 2010, 59, 1135-1140.	6.1	87
66	Endothelium-dependent relaxation in isolated human arteries and veins. <i>Clinical Science</i> , 1987, 73, 547-552.	1.8	86
67	Metaâ€“analysis of the comparative effects of different classes of antihypertensive agents on brachial and central systolic blood pressure, and augmentation index. <i>British Journal of Clinical Pharmacology</i> , 2013, 75, 79-92.	1.1	85
68	Excess Pressure Integral Predicts Cardiovascular Events Independent of Other Risk Factors in the Conduit Artery Functional Evaluation Substudy of Anglo-Scandinavian Cardiac Outcomes Trial. <i>Hypertension</i> , 2014, 64, 60-68.	1.3	85
69	Sex Dimorphism in the Myocardialâ€“Response to Aortic Stenosis. <i>JACC: Cardiovascular Imaging</i> , 2018, 11, 962-973.	2.3	85
70	Effect of antihypertensive treatment on retinal microvascular changes in hypertension. <i>Journal of Hypertension</i> , 2008, 26, 1703-1707.	0.3	84
71	Inhibition of human vascular smooth muscle cell proliferation by lovastatin: the role of isoprenoid intermediates of cholesterol synthesis. <i>European Journal of Clinical Investigation</i> , 1994, 24, 766-772.	1.7	83
72	Retinal vascular network architecture in low-birth-weight men. <i>Journal of Hypertension</i> , 1997, 15, 1449-1454.	0.3	83

#	ARTICLE	IF	CITATIONS
73	Differences in the Magnitude of Wave Reflection Account for Differential Effects of Amlodipine-Versus Atenolol-Based Regimens on Central Blood Pressure. <i>Hypertension</i> , 2009, 54, 724-730.	1.3	81
74	Reproducibility Study of Magnetic Resonance Image-Based Computational Fluid Dynamics Prediction of Carotid Bifurcation Flow. <i>Annals of Biomedical Engineering</i> , 2003, 31, 142-151.	1.3	80
75	Body Fat Is Associated With Reduced Aortic Stiffness Until Middle Age. <i>Hypertension</i> , 2013, 61, 1322-1327.	1.3	80
76	Analysis of Flow Disturbance in a Stenosed Carotid Artery Bifurcation Using Two-Equation Transitional and Turbulence Models. <i>Journal of Biomechanical Engineering</i> , 2008, 130, 061008.	0.6	79
77	Attenuation of Wave Reflection by Wave Entrapment Creates a "Horizon Effect" in the Human Aorta. <i>Hypertension</i> , 2012, 60, 778-785.	1.3	79
78	The actions of calcitonin gene related peptide and vasoactive intestinal peptide as vasodilators in man in vivo and in vitro.. <i>British Journal of Clinical Pharmacology</i> , 1987, 24, 139-144.	1.1	76
79	Forward and backward waves in the arterial system: impedance or wave intensity analysis?. <i>Medical and Biological Engineering and Computing</i> , 2009, 47, 207-210.	1.6	76
80	Thrombospondin-1 Is a Potent Mitogen and Chemoattractant for Human Vascular Smooth Muscle Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997, 17, 2107-2114.	1.1	75
81	Reduced systolic wave generation and increased peripheral wave reflection in chronic heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H557-H562.	1.5	75
82	A Multicenter, Scan-Rescan, Human and Machine Learning CMR Study to Test Generalizability and Precision in Imaging Biomarker Analysis. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e009214.	1.3	75
83	pp60c-src Increases Voltage-Operated Calcium Channel Currents in Vascular Smooth Muscle Cells. <i>Biochemical and Biophysical Research Communications</i> , 1995, 217, 1039-1044.	1.0	74
84	Combination of Ca ²⁺ -activated K ⁺ channel blockers inhibits acetylcholine-evoked nitric oxide release in rat superior mesenteric artery. <i>British Journal of Pharmacology</i> , 2006, 149, 560-572.	2.7	72
85	Reservoir and excess pressures predict cardiovascular events in high-risk patients. <i>International Journal of Cardiology</i> , 2014, 171, 31-36.	0.8	72
86	In vivo evidence for K _{Ca} channel opening properties of acetazolamide in the human vasculature. <i>British Journal of Pharmacology</i> , 2001, 132, 443-450.	2.7	71
87	Measurement of pulse wave velocity: site matters. <i>Journal of Hypertension</i> , 2007, 25, 383-389.	0.3	71
88	A feasibility study of the association of exposure to biomass smoke with vascular function, inflammation, and cellular aging. <i>Environmental Research</i> , 2014, 135, 165-172.	3.7	71
89	How do thiazide and thiazide-like diuretics lower blood pressure?. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2004, 5, 155-160.	1.0	69
90	Effects of tyrosine kinase inhibitors on the contractility of rat mesenteric resistance arteries. <i>British Journal of Pharmacology</i> , 1995, 114, 1266-1272.	2.7	66

#	ARTICLE	IF	CITATIONS
91	Hypertensive Disorders of Pregnancy and Offspring Cardiac Structure and Function in Adolescence. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	66
92	<scp>K</scp>_V7 channels are involved in hypoxia-induced vasodilatation of porcine coronary arteries. <i>British Journal of Pharmacology</i> , 2014, 171, 69-82.	2.7	65
93	Exercise Central (Aortic) Blood Pressure Is Predominantly Driven by Forward Traveling Waves, Not Wave Reflection. <i>Hypertension</i> , 2013, 62, 175-182.	1.3	63
94	Effect of Monthly, High-Dose, Long-Term Vitamin D Supplementation on Central Blood Pressure Parameters: A Randomized Controlled Trial Substudy. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	63
95	The fractal heart “embracing mathematics in the cardiology clinic. <i>Nature Reviews Cardiology</i> , 2017, 14, 56-64.	6.1	63
96	Effects of transmural pressure and wall shear stress on LDL accumulation in the arterial wall: a numerical study using a multilayered model. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H3148-H3157.	1.5	62
97	Importance of the aortic reservoir in determining the shape of the arterial pressure waveform “The forgotten lessons of Frank. <i>Artery Research</i> , 2007, 1, 40.	0.3	62
98	Ethnicity-specific obesity cut-points in the development of Type 2 diabetes “a prospective study including three ethnic groups in the United Kingdom. <i>Diabetic Medicine</i> , 2015, 32, 226-234.	1.2	62
99	Ethnic Differences in Associations Between Blood Pressure and Stroke in South Asian and European Men. <i>Hypertension</i> , 2015, 66, 481-488.	1.3	62
100	Changes in the behavioural determinants of health during the COVID-19 pandemic: gender, socioeconomic and ethnic inequalities in five British cohort studies. <i>Journal of Epidemiology and Community Health</i> , 2021, 75, 1136-1142.	2.0	62
101	Cerebral Blood Flow and Cognitive Functioning in a Community-Based, Multi-Ethnic Cohort: The SABRE Study. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 279.	1.7	61
102	An activated-platelet-sensitive nanocarrier enables targeted delivery of tissue plasminogen activator for effective thrombolytic therapy. <i>Journal of Controlled Release</i> , 2019, 300, 1-12.	4.8	61
103	The action of caffeine on inward barium current through voltage-dependent calcium channels in single rabbit ear artery cells. <i>Pflugers Archiv European Journal of Physiology</i> , 1990, 416, 462-466.	1.3	60
104	Effects of protein tyrosine kinase inhibitors on voltage-operated calcium channel currents in vascular smooth muscle cells and pp60c-src kinase activity. <i>British Journal of Pharmacology</i> , 2000, 129, 1347-1354.	2.7	60
105	Sex-specific trajectories of measures of cardiovascular health during childhood and adolescence: A prospective cohort study. <i>Atherosclerosis</i> , 2018, 278, 190-196.	0.4	60
106	Chloride and bicarbonate transport in rat resistance arteries.. <i>Journal of Physiology</i> , 1991, 436, 57-73.	1.3	59
107	Hemodynamic Response to Intravenous Adenosine and Its Effect on Fractional Flow Reserve Assessment. <i>Circulation: Cardiovascular Interventions</i> , 2013, 6, 654-661.	1.4	59
108	Opening of Small and Intermediate Calcium-Activated Potassium Channels Induces Relaxation Mainly Mediated by Nitric-Oxide Release in Large Arteries and Endothelium-Derived Hyperpolarizing Factor in Small Arteries from Rat. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 339, 842-850.	1.3	58

#	ARTICLE	IF	CITATIONS
109	Image-based carotid flow reconstruction: a comparison between MRI and ultrasound. <i>Physiological Measurement</i> , 2004, 25, 1495-1509.	1.2	57
110	Improvement of a retinal blood vessel segmentation method using the Insight Segmentation and Registration Toolkit (ITK). <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 892-5.	0.5	57
111	Carotid artery wave intensity in mid- to late-life predicts cognitive decline: the Whitehall II study. <i>European Heart Journal</i> , 2019, 40, 2300-2309.	1.0	57
112	Evaluating access to health and care services during lockdown by the COVID-19 survey in five UK national longitudinal studies. <i>BMJ Open</i> , 2021, 11, e045813.	0.8	57
113	Cholesteryl ester transfer protein (CETP) as a drug target for cardiovascular disease. <i>Nature Communications</i> , 2021, 12, 5640.	5.8	57
114	Force, membrane potential, and $[Ca^{2+}]_i$ during activation of rat mesenteric small arteries with norepinephrine, potassium, aluminum fluoride, and phorbol ester. <i>Effects of changes in pHi.. Circulation Research</i> , 1993, 73, 314-324.	2.0	56
115	Accuracy and Reproducibility of CFD Predicted Wall Shear Stress Using 3D Ultrasound Images. <i>Journal of Biomechanical Engineering</i> , 2003, 125, 218-222.	0.6	56
116	Effect of tumour necrosis factor- α and interleukin 1β on endothelium-dependent relaxation in rat mesenteric resistance arteries in vitro. <i>British Journal of Pharmacology</i> , 2003, 138, 1285-1294.	2.7	55
117	A Comparison between the Effects of Hydrophobic and Hydrophilic Statins on Osteoclast Function In Vitro and Ovariectomy-Induced Bone Loss In Vivo. <i>Calcified Tissue International</i> , 2007, 81, 403-413.	1.5	55
118	Differences in cardiac microcirculatory wave patterns between the proximal left mainstem and proximal right coronary artery. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H1198-H1205.	1.5	55
119	Assessing the Causal Role of Body Mass Index on Cardiovascular Health in Young Adults. <i>Circulation</i> , 2018, 138, 2187-2201.	1.6	55
120	Yoga-Based Cardiac Rehabilitation After Acute Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2020, 75, 1551-1561.	1.2	55
121	Optimisation and evaluation of an electromagnetic tracking device for high-accuracy three-dimensional ultrasound imaging of the carotid arteries. <i>Ultrasound in Medicine and Biology</i> , 2001, 27, 957-968.	0.7	53
122	Quantification and characterisation of arteries in retinal images. <i>Computer Methods and Programs in Biomedicine</i> , 2000, 63, 133-146.	2.6	52
123	What is the role of the aorta in directing coronary blood flow?. <i>Heart</i> , 2008, 94, 1545-1547.	1.2	52
124	Blood transcriptional biomarkers of acute viral infection for detection of pre-symptomatic SARS-CoV-2 infection: a nested, case-control diagnostic accuracy study. <i>Lancet Microbe</i> , The, 2021, 2, e508-e517.	3.4	52
125	Differential Effects of Antihypertensive Treatment on the Retinal Microcirculation. <i>Hypertension</i> , 2009, 54, 405-408.	1.3	51
126	Differential Effects of Antihypertensive Treatment on Left Ventricular Diastolic Function. <i>Journal of the American College of Cardiology</i> , 2010, 55, 1875-1881.	1.2	50

#	ARTICLE	IF	CITATIONS
127	Contrasting effect of different cardiothoracic operations on echocardiographic right ventricular long axis velocities, and implications for interpretation of post-operative values. <i>International Journal of Cardiology</i> , 2013, 165, 151-160.	0.8	50
128	Impact of Size at Birth on the Microvasculature: The Avon Longitudinal Study of Parents and Children. <i>Pediatrics</i> , 2007, 120, e1225-e1228.	1.0	49
129	Evaluation of C-reactive protein prior to and on-treatment as a predictor of benefit from atorvastatin: observations from the Anglo-Scandinavian Cardiac Outcomes Trial. <i>European Heart Journal</i> , 2012, 33, 486-494.	1.0	48
130	Ethnic differences in associations between fat deposition and incident diabetes and underlying mechanisms: The SABRE study. <i>Obesity</i> , 2015, 23, 699-706.	1.5	48
131	Candesartan- and Atenolol-Based Treatments Induce Different Patterns of Carotid Artery and Left Ventricular Remodeling in Hypertension. <i>Stroke</i> , 2006, 37, 2381-2384.	1.0	47
132	Computational Analysis of Oxygen Transport in the Retinal Arterial Network. <i>Current Eye Research</i> , 2009, 34, 945-956.	0.7	47
133	Postjunctional α_2 -adrenoceptors mediate vasoconstriction in human subcutaneous resistance vessels. <i>British Journal of Pharmacology</i> , 1989, 97, 829-834.	2.7	46
134	Activation of endogenous c-Src or a related tyrosine kinase by intracellular (pY)EEI peptide increases voltage-operated calcium channel currents in rabbit ear artery cells. <i>FEBS Letters</i> , 1996, 399, 63-66.	1.3	46
135	Comparison of Simultaneous Measurements of Blood Pressure by Tail-Cuff and Carotid Arterial Methods in Conscious Spontaneously Hypertensive and Wistar-Kyoto Rats. <i>Clinical and Experimental Hypertension</i> , 2006, 28, 57-72.	0.5	46
136	Computational Modeling of LDL and Albumin Transport in an In Vivo CT Image-Based Human Right Coronary Artery. <i>Journal of Biomechanical Engineering</i> , 2009, 131, 021003.	0.6	46
137	When is an optimization not an optimization? Evaluation of clinical implications of information content (signal-to-noise ratio) in optimization of cardiac resynchronization therapy, and how to measure and maximize it. <i>Heart Failure Reviews</i> , 2011, 16, 277-290.	1.7	46
138	High fat and muscle each contribute to excess cardiometabolic risk in South Asians, independent of visceral adipose tissue. <i>Obesity</i> , 2014, 22, 2071-2079.	1.5	46
139	Association of Retinopathy and Retinal Microvascular Abnormalities With Stroke and Cerebrovascular Disease. <i>Stroke</i> , 2016, 47, 2862-2864.	1.0	46
140	Early vascular damage from smoking and alcohol in teenage years: the ALSPAC study. <i>European Heart Journal</i> , 2019, 40, 345-353.	1.0	46
141	Physical Activity, Sedentary Time and Physical Capability in Early Old Age: British Birth Cohort Study. <i>PLoS ONE</i> , 2015, 10, e0126465.	1.1	46
142	Reconstruction and Quantification of the Carotid Artery Bifurcation From 3-D Ultrasound Images. <i>IEEE Transactions on Medical Imaging</i> , 2004, 23, 567-583.	5.4	45
143	Ethnicity and Left Ventricular Diastolic Function in Hypertension. <i>Journal of the American College of Cardiology</i> , 2008, 52, 1015-1021.	1.2	45
144	South Asian men have different patterns of coronary artery disease when compared with European men. <i>International Journal of Cardiology</i> , 2008, 129, 406-413.	0.8	45

#	ARTICLE	IF	CITATIONS
145	NS11021, a novel opener of large-conductance Ca ²⁺ -activated K ⁺ channels, enhances erectile responses in rats. <i>British Journal of Pharmacology</i> , 2009, 158, 1465-1476.	2.7	45
146	Determinants of Retinal Microvascular Architecture in Normal Subjects. <i>Microcirculation</i> , 2009, 16, 159-166.	1.0	45
147	Real-Time Dynamic Carbon Dioxide Administration. <i>Journal of the American College of Cardiology</i> , 2010, 56, 1832-1837.	1.2	45
148	Test-retest repeatability of cardiopulmonary exercise test variables in patients with cardiac or respiratory disease. <i>European Journal of Preventive Cardiology</i> , 2014, 21, 445-453.	0.8	45
149	Association between fat mass through adolescence and arterial stiffness: a population-based study from The Avon Longitudinal Study of Parents and Children. <i>The Lancet Child and Adolescent Health</i> , 2019, 3, 474-481.	2.7	45
150	Effects of elastic compression stockings on wall shear stress in deep and superficial veins of the calf. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 294, H2112-H2120.	1.5	44
151	Retinal Vascular Lesions in Patients of Caucasian and Asian Origin With Type 2 Diabetes. <i>Diabetes Care</i> , 2008, 31, 708-713.	4.3	44
152	Towards a consensus on the understanding and analysis of the pulse waveform: Results from the 2016 Workshop on Arterial Hemodynamics: Past, present and future. <i>Artery Research</i> , 2017, 18, 75.	0.3	44
153	Wave Propagation and Reflection in the Canine Aorta: Analysis Using a Reservoir-Wave Approach. <i>Canadian Journal of Cardiology</i> , 2011, 27, 389.e1-389.e10.	0.8	43
154	Rapid increases in infant adiposity and overweight/obesity in childhood are associated with higher central and brachial blood pressure in early adulthood. <i>Journal of Hypertension</i> , 2014, 32, 1789-1796.	0.3	43
155	Determinants of Intima-Media Thickness in the Young. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 468-478.	2.3	43
156	Role of tyrosine phosphorylation in excitation-contraction coupling in vascular smooth muscle. <i>Acta Physiologica Scandinavica</i> , 1998, 164, 457-469.	2.3	42
157	Indian Asian men have less peripheral arterial disease than European men for equivalent levels of coronary disease. <i>Atherosclerosis</i> , 2007, 193, 204-212.	0.4	42
158	MR Image-Based Geometric and Hemodynamic Investigation of the Right Coronary Artery with Dynamic Vessel Motion. <i>Annals of Biomedical Engineering</i> , 2010, 38, 2606-2620.	1.3	42
159	The Limit of Plausibility for Predictors of Response: Application to Biventricular Pacing. <i>JACC: Cardiovascular Imaging</i> , 2012, 5, 1046-1065.	2.3	42
160	A Class III Semaphorin (Sema3e) Inhibits Mouse Osteoblast Migration and Decreases Osteoclast Formation In Vitro. <i>Calcified Tissue International</i> , 2012, 90, 151-162.	1.5	40
161	Aortic Reservoir Pressure Corresponds to Cyclic Changes in Aortic Volume. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1597-1603.	1.1	40
162	Central Aortic Reservoir-Wave Analysis Improves Prediction of Cardiovascular Events in Elderly Hypertensives. <i>Hypertension</i> , 2015, 65, 629-635.	1.3	40

#	ARTICLE	IF	CITATIONS
163	Cardiac resynchronization therapy: mechanisms of action and scope for further improvement in cardiac function. <i>Europace</i> , 2017, 19, euw136.	0.7	40
164	High Serum Immunoglobulin G and M Levels Predict Freedom From Adverse Cardiovascular Events in Hypertension: A Nested Case-Control Substudy of the Anglo-Scandinavian Cardiac Outcomes Trial. <i>EBioMedicine</i> , 2016, 9, 372-380.	2.7	40
165	Training for a First-Time Marathon Reverses Age-Related Aortic Stiffening. <i>Journal of the American College of Cardiology</i> , 2020, 75, 60-71.	1.2	40
166	Know Your Heart: Rationale, design and conduct of a cross-sectional study of cardiovascular structure, function and risk factors in 4500 men and women aged 35-69 years from two Russian cities, 2015-18. <i>Wellcome Open Research</i> , 2018, 3, 67.	0.9	40
167	Wave Intensity Analysis Provides Novel Insights Into Pulmonary Arterial Hypertension and Chronic Thromboembolic Pulmonary Hypertension. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	39
168	Left atrial function in heart failure with mid-range ejection fraction differs from that of heart failure with preserved ejection fraction: a 2D speckle-tracking echocardiographic study. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 279-290.	0.5	39
169	Multiple pathways for entry of calcium and other divalent cations in a vascular smooth muscle cell line (A7r5). <i>Cell Calcium</i> , 1994, 15, 317-330.	1.1	38
170	The Antimitogenic Action of the Sulphated Polysaccharide Fucoidan Differs from Heparin in Human Vascular Smooth Muscle Cells. <i>Thrombosis and Haemostasis</i> , 2002, 87, 149-154.	1.8	38
171	Change in Coronary Blood Flow After Percutaneous Coronary Intervention in Relation to Baseline Lesion Physiology. <i>Circulation: Cardiovascular Interventions</i> , 2015, 8, e001715.	1.4	38
172	Accuracy of an electromagnetic three-dimensional ultrasound system for carotid artery imaging. <i>Ultrasound in Medicine and Biology</i> , 2001, 27, 1421-1425.	0.7	37
173	Improvement in Coronary Blood Flow Velocity With Acute Biventricular Pacing Is Predominantly Due to an Increase in a Diastolic Backward-Travelling Decompression (Suction) Wave. <i>Circulation</i> , 2012, 126, 1334-1344.	1.6	37
174	Associations between high blood pressure and DNA methylation. <i>PLoS ONE</i> , 2020, 15, e0227728.	1.1	37
175	Thrombospondin-1 differentially induces chemotaxis and DNA synthesis of human venous smooth muscle cells at the receptor-binding level. <i>Journal of Cell Science</i> , 2002, 115, 4353-4360.	1.2	36
176	Effects of vasoactive agents on intracellular calcium and force in myometrial and subcutaneous resistance arteries isolated from preeclamptic, pregnant, and nonpregnant woman. <i>American Journal of Obstetrics and Gynecology</i> , 2005, 192, 625-632.	0.7	36
177	Augmentation index is not a proxy for wave reflection magnitude: mechanistic analysis using a computational model. <i>Journal of Applied Physiology</i> , 2019, 127, 491-500.	1.2	36
178	Circulating Fatty Acids and Risk of Coronary Heart Disease and Stroke: Individual Participant Data Meta-Analysis in Up to 16126 Participants. <i>Journal of the American Heart Association</i> , 2020, 9, e013131.	1.6	36
179	Human Vascular Responses to Endothelin-1. <i>Journal of Cardiovascular Pharmacology</i> , 1989, 13, S225-228.	0.8	35
180	Effects of blood pressure lowering with amlodipine or lisinopril on vascular structure of the common carotid artery. <i>Clinical Science</i> , 2001, 101, 455-464.	1.8	35

#	ARTICLE	IF	CITATIONS
181	Atorvastatin Treatment Is Associated With Less Augmentation of the Carotid Pressure Waveform in Hypertension. <i>Hypertension</i> , 2009, 54, 1009-1013.	1.3	35
182	Associations Between Prediabetes, by Three Different Diagnostic Criteria, and Incident CVD Differ in South Asians and Europeans. <i>Diabetes Care</i> , 2015, 38, 2325-2332.	4.3	35
183	Oxygen Uptake Efficiency Slope and Breathing Reserve, Not Anaerobic Threshold, Discriminate Between Patients With Cardiovascular Disease Over Chronic Obstructive Pulmonary Disease. <i>JACC: Heart Failure</i> , 2016, 4, 252-261.	1.9	35
184	Circulating Apolipoprotein E Concentration and Cardiovascular Disease Risk: Meta-analysis of Results from Three Studies. <i>PLoS Medicine</i> , 2016, 13, e1002146.	3.9	35
185	Glycoprotein Acetyls: A Novel Inflammatory Biomarker of Early Cardiovascular Risk in the Young. <i>Journal of the American Heart Association</i> , 2022, 11, e024380.	1.6	35
186	The action of a dopamine (DA1) receptor agonist, fenoldopam in human vasculature in vivo and in vitro.. <i>British Journal of Clinical Pharmacology</i> , 1986, 22, 535-540.	1.1	34
187	Platelet-Derived Growth Factor β 2-Receptors Can Both Promote and Inhibit Chemotaxis in Human Vascular Smooth Muscle Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997, 17, 2622-2629.	1.1	34
188	Effect of inhibition of tyrosine phosphatases on voltage-operated calcium channel currents in rabbit isolated ear artery cells. <i>British Journal of Pharmacology</i> , 1998, 124, 307-316.	2.7	34
189	Polyamines reverse non-steroidal anti-inflammatory drug-induced toxicity in human colorectal cancer cells. <i>Biochemical Journal</i> , 2003, 374, 481-488.	1.7	34
190	Antiphase oscillations of endothelium and smooth muscle $[Ca^{2+}]_i$ in vasomotion of rat mesenteric small arteries. <i>Cell Calcium</i> , 2007, 42, 536-547.	1.1	34
191	The Acute Effects of Changes to AV Delay on BP and Stroke Volume. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2012, 5, 122-130.	2.1	34
192	Age-specific reference values for carotid arterial stiffness estimated by ultrasonic wall tracking. <i>Journal of Human Hypertension</i> , 2020, 34, 214-222.	1.0	34
193	Efficiency, reproducibility and agreement of five different hemodynamic measures for optimization of cardiac resynchronization therapy. <i>International Journal of Cardiology</i> , 2008, 129, 216-226.	0.8	33
194	Left-Ventricular Structure in the Southall And Brent REvisited (SABRE) Study. <i>Hypertension</i> , 2013, 61, 1014-1020.	1.3	33
195	Urinary proteomic biomarkers to predict cardiovascular events. <i>Proteomics - Clinical Applications</i> , 2015, 9, 610-617.	0.8	33
196	Overweight across the life course and adipokines, inflammatory and endothelial markers at age 60-64 years: evidence from the 1946 birth cohort. <i>International Journal of Obesity</i> , 2015, 39, 1010-1018.	1.6	33
197	Fibrinogen-mimicking, multiarm nanovesicles for human thrombus-specific delivery of tissue plasminogen activator and targeted thrombolytic therapy. <i>Science Advances</i> , 2021, 7, .	4.7	33
198	Midlife Hypertensive Status and Cognitive Function 20 Years Later: The Southall and Brent Revisited Study. <i>Journal of the American Geriatrics Society</i> , 2013, 61, 1489-1498.	1.3	32

#	ARTICLE	IF	CITATIONS
199	Midlife blood pressure change and left ventricular mass and remodelling in older age in the 1946 British birth cohort study. European Heart Journal, 2014, 35, 3287-3295.	1.0	32
200	Metformin in adults with type 1 diabetes: Design and methods of the REDucing Metformin Vascular Adverse Lesions (REMOVAL): an international multicentre trial. Diabetes, Obesity and Metabolism, 2017, 19, 509-516.	2.2	32
201	Prognostic implications of left ventricular strain by speckle-tracking echocardiography in the general population: a meta-analysis. Vascular Health and Risk Management, 2019, Volume 15, 229-251.	1.0	32
202	Estimation of CT-Derived Abdominal Visceral and Subcutaneous Adipose Tissue Depots from Anthropometry in Europeans, South Asians and African Caribbeans. PLoS ONE, 2013, 8, e75085.	1.1	32
203	Increase in tone and intracellular Ca ²⁺ in rabbit isolated ear artery by platelet-derived growth factor. British Journal of Pharmacology, 1995, 114, 138-142.	2.7	31
204	Effect of platelet-derived growth factor on voltage-operated calcium channels in rabbit isolated ear artery cells. British Journal of Pharmacology, 1995, 115, 534-538.	2.7	31
205	Effect of angiotensin II on the expression of the early growth response gene c-fos and DNA synthesis in human vascular smooth muscle cells. Journal of Hypertension, 1996, 14, 341-347.	0.3	31
206	Phosphatidylinositol 3-Kinase and Focal Adhesion Kinase Are Early Signals in the Growth Factor-Like Responses to Thrombospondin-1 Seen in Human Vascular Smooth Muscle. Arteriosclerosis, Thrombosis, and Vascular Biology, 1999, 19, 2133-2140.	1.1	31
207	Platelet and leukocyte activation, atherosclerosis and inflammation in European and South Asian men. Journal of Thrombosis and Haemostasis, 2007, 5, 2036-2042.	1.9	31
208	Influence of Pulsatile Flow on LDL Transport in the Arterial Wall. Annals of Biomedical Engineering, 2007, 35, 1782-1790.	1.3	31
209	Long-Term Antihypertensive Treatment Fails to Improve E/e ² Despite Regression of Left Ventricular Mass. Hypertension, 2014, 63, 252-258.	1.3	31
210	Depressive symptoms are doubled in older British South Asian and Black Caribbean people compared with Europeans: associations with excess co-morbidity and socioeconomic disadvantage. Psychological Medicine, 2015, 45, 1861-1871.	2.7	31
211	A Mock Circulatory System Incorporating a Compliant 3D-Printed Anatomical Model to Investigate Pulmonary Hemodynamics. Artificial Organs, 2017, 41, 637-646.	1.0	31
212	p53, p21 WAF1/CIP1, and MDM2 Involvement in the Proliferation and Apoptosis in an In Vitro Model of Conditionally Immortalized Human Vascular Smooth Muscle Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2000, 20, 973-981.	1.1	30
213	Influence of head position on carotid hemodynamics in young adults. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H1670-H1681.	1.5	30
214	The atrioventricular delay of cardiac resynchronization can be optimized hemodynamically during exercise and predicted from resting measurements. Heart Rhythm, 2008, 5, 378-386.	0.3	30
215	Low wall shear stress predicts subsequent development of wall hypertrophy in lower limb bypass grafts. Artery Research, 2009, 3, 32.	0.3	30
216	Calcium channel regulation in vascular smooth muscle cells: Synergistic effects of statins and calcium channel blockers. International Journal of Cardiology, 2010, 139, 2-6.	0.8	30

#	ARTICLE	IF	CITATIONS
217	High dietary salt intake increases carotid blood pressure and wave reflection in normotensive healthy young men. <i>Journal of Applied Physiology</i> , 2011, 110, 468-471.	1.2	30
218	Improved Exercise-Related Skeletal Muscle Oxygen Consumption Following Uptake of Endurance Training Measured Using Near-Infrared Spectroscopy. <i>Frontiers in Physiology</i> , 2017, 8, 1018.	1.3	30
219	Data on trajectories of measures of cardiovascular health in the Avon Longitudinal Study of Parents and Children (ALSPAC). <i>Data in Brief</i> , 2019, 23, 103687.	0.5	30
220	Feasibility and Validity of Computed Tomography-Derived Fractional Flow Reserve in Patients With Severe Aortic Stenosis. <i>Circulation: Cardiovascular Interventions</i> , 2021, 14, e009586.	1.4	30
221	Relaxation and decrease in $[Ca^{2+}]_i$ by hydrochlorothiazide in guinea pig isolated mesenteric arteries. <i>British Journal of Pharmacology</i> , 1995, 114, 703-707.	2.7	29
222	Comparison between three-dimensional volume-selective turbo spin-echo imaging and two-dimensional ultrasound for assessing carotid artery structure and function. <i>Journal of Magnetic Resonance Imaging</i> , 2005, 21, 282-289.	1.9	29
223	Waves in arteries: A review of wave intensity analysis in the systemic and coronary circulations. <i>Artery Research</i> , 2008, 2, 51.	0.3	29
224	The effect of dynamic vessel motion on haemodynamic parameters in the right coronary artery: a combined MR and CFD study. <i>British Journal of Radiology</i> , 2009, 82, S24-S32.	1.0	29
225	Associations between cardiac target organ damage and microvascular dysfunction: the role of blood pressure. <i>Journal of Hypertension</i> , 2010, 28, 952-958.	0.3	29
226	Lipoprotein signatures of cholesteryl ester transfer protein and HMG-CoA reductase inhibition. <i>PLoS Biology</i> , 2019, 17, e3000572.	2.6	29
227	Know Your Heart: Rationale, design and conduct of a cross-sectional study of cardiovascular structure, function and risk factors in 4500 men and women aged 35-69 years from two Russian cities, 2015-18. <i>Wellcome Open Research</i> , 2018, 3, 67.	0.9	29
228	Carotid geometry reconstruction: a comparison between MRI and ultrasound. <i>Medical Physics</i> , 2003, 30, 3251-3261.	1.6	28
229	Response to Letters Regarding Article, "Differential Impact of Blood Pressure-Lowering Drugs on Central Aortic Pressure and Clinical Outcomes: Principal Results of the Conduit Artery Function Evaluation (CAFE) Study": <i>Circulation</i> , 2006, 114, .	1.6	28
230	Evaluation of C-Reactive Protein Before and On-Treatment as a Predictor of Benefit of Atorvastatin. <i>Journal of the American College of Cardiology</i> , 2013, 62, 717-729.	1.2	28
231	Arterial pressure. <i>Journal of Hypertension</i> , 2014, 32, 865-872.	0.3	28
232	Reproducibility study of 3D geometrical reconstruction of the human carotid bifurcation from magnetic resonance images. <i>Magnetic Resonance in Medicine</i> , 2003, 49, 665-674.	1.9	27
233	Assembled Columnar Structures from bis-urea Macrocycles. <i>Supramolecular Chemistry</i> , 2005, 17, 27-30.	1.5	27
234	Genetic variation in complement factor H and risk of coronary heart disease: Eight new studies and a meta-analysis of around 48,000 individuals. <i>Atherosclerosis</i> , 2010, 213, 184-190.	0.4	27

#	ARTICLE	IF	CITATIONS
235	Genetic aetiology of blood pressure relates to aortic stiffness with bi-directional causality: evidence from heritability, blood pressure polymorphisms, and Mendelian randomization. <i>European Heart Journal</i> , 2020, 41, 3314-3322.	1.0	27
236	Influence of Age on Upper Arm Cuff Blood Pressure Measurement. <i>Hypertension</i> , 2020, 75, 844-850.	1.3	27
237	Molecular and cellular mechanisms of action of angiotensin II (AT1) receptors in vascular smooth muscle. <i>Journal of Human Hypertension</i> , 1998, 12, 275-281.	1.0	26
238	Dynamic CO2 therapy in periodic breathing: a modeling study to determine optimal timing and dosage regimes. <i>Journal of Applied Physiology</i> , 2009, 107, 696-706.	1.2	26
239	Computational analysis of oxygen transport in a patient-specific model of abdominal aortic aneurysm with intraluminal thrombus. <i>British Journal of Radiology</i> , 2009, 82, S18-S23.	1.0	26
240	Stress phase angle depicts differences in coronary artery hemodynamics due to changes in flow and geometry after percutaneous coronary intervention. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 296, H765-H776.	1.5	26
241	Improvement in coronary haemodynamics after percutaneous coronary intervention: assessment using instantaneous wave-free ratio. <i>Heart</i> , 2013, 99, 1740-1748.	1.2	26
242	Association between resting heart rate across the life course and all-cause mortality: longitudinal findings from the Medical Research Council (MRC) National Survey of Health and Development (NSHD). <i>Journal of Epidemiology and Community Health</i> , 2014, 68, 883-889.	2.0	26
243	Cardiovascular Risk Factors and White Matter Hyperintensities: Difference in Susceptibility in South Asians Compared With Europeans. <i>Journal of the American Heart Association</i> , 2018, 7, e010533.	1.6	26
244	Sorption of binary gas mixtures in zeolites. <i>Separation and Purification Technology</i> , 1989, 3, 56-64.	0.3	25
245	Flow in carotid bifurcations: effect of the superior thyroid artery. <i>Medical Engineering and Physics</i> , 1999, 21, 207-214.	0.8	25
246	Reduced endothelial progenitor cells in European and South Asian men with atherosclerosis. <i>European Journal of Clinical Investigation</i> , 2007, 37, 35-41.	1.7	25
247	Body Mass Index and Height From Infancy to Adulthood and Carotid Intima-Media Thickness at 60 to 64 Years in the 1946 British Birth Cohort Study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 654-660.	1.1	25
248	Bullseye's representation of cerebral white matter hyperintensities. <i>Journal of Neuroradiology</i> , 2018, 45, 114-122.	0.6	25
249	The Impact of Health Behaviours on Incident Cardiovascular Disease in Europeans and South Asians – A Prospective Analysis in the UK SABRE Study. <i>PLoS ONE</i> , 2015, 10, e0117364.	1.1	25
250	Modulation of calcium channels in arterial smooth muscle cells by dihydropyridine enantiomers.. <i>Journal of General Physiology</i> , 1993, 101, 393-410.	0.9	24
251	DRUG EFFECTS ON THE MECHANICAL PROPERTIES OF LARGE ARTERIES IN HUMANS. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2007, 34, 688-693.	0.9	24
252	A novel measure to characterise optimality of diameter relationships at retinal vascular bifurcations. <i>Artery Research</i> , 2010, 4, 75.	0.3	24

#	ARTICLE	IF	CITATIONS
253	The effects of weight and physical activity change over 20 years on later-life objective and self-reported disability. <i>International Journal of Epidemiology</i> , 2014, 43, 856-865.	0.9	24
254	Birthweight, childhood growth and left ventricular structure at age 60–64 years in a British birth cohort study. <i>International Journal of Epidemiology</i> , 2016, 45, dyw150.	0.9	24
255	Various issues relating to computational fluid dynamics simulations of carotid bifurcation flow based on models reconstructed from three-dimensional ultrasound images. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2003, 217, 393-403.	1.0	23
256	Operator dependence of 3-D ultrasound-based computational fluid dynamics for the carotid bifurcation. <i>IEEE Transactions on Medical Imaging</i> , 2005, 24, 451-456.	5.4	23
257	Caution Using Brachial Systolic Pressure to Calibrate Radial Tonometric Pressure Waveforms: Lessons From Invasive Study. <i>Hypertension</i> , 2010, 55, e4.	1.3	23
258	Maximizing Efficiency of Alternation Algorithms for Hemodynamic Optimization of the AV Delay of Cardiac Resynchronization Therapy. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2011, 34, 217-225.	0.5	23
259	Reservoir pressure analysis of aortic blood pressure. <i>Journal of Hypertension</i> , 2017, 35, 2025-2033.	0.3	23
260	The action of beta-adrenoceptor agonists on acid secretion by the rat isolated stomach. <i>Journal of Physiology</i> , 1981, 316, 23-31.	1.3	22
261	Action of AT1 receptor antagonists on angiotensin II-induced tone in human isolated subcutaneous resistance arteries. <i>British Journal of Pharmacology</i> , 1999, 127, 1876-1882.	2.7	22
262	Arterial pulse wave velocity in coronary arteries. , 2006, 2006, 867-70.		22
263	CNP, but not ANP or BNP, Relax Human Isolated Subcutaneous Resistance Arteries by an Action Involving Cyclic GMP and BKCa Channels. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2006, 7, 87-91.	1.0	22
264	Rationale and design of the AdRem study: Evaluating the effects of blood pressure lowering and intensive glucose control on vascular retinal disorders in patients with type 2 diabetes mellitus. <i>Contemporary Clinical Trials</i> , 2007, 28, 6-17.	0.8	22
265	Role of MRI in investigating the effects of elastic compression stockings on the deformation of the superficial and deep veins in the lower leg. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 80-85.	1.9	22
266	A computational study on the influence of catheter-delivered intravascular probes on blood flow in a coronary artery model. <i>Journal of Biomechanics</i> , 2007, 40, 2501-2509.	0.9	22
267	Stem cell therapy for stress urinary incontinence: a systematic review in human subjects. <i>Archives of Gynecology and Obstetrics</i> , 2013, 288, 1213-1221.	0.8	22
268	Associations and clinical relevance of aortic-brachial artery stiffness mismatch, aortic reservoir function, and central pressure augmentation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H1225-H1233.	1.5	22
269	Cortical cerebral blood flow in ageing: effects of haematocrit, sex, ethnicity and diabetes. <i>European Radiology</i> , 2019, 29, 5549-5558.	2.3	22
270	Anaphylactoid response to intravenous acetylcysteine. <i>Lancet, The</i> , 1992, 339, 1231-1232.	6.3	21

#	ARTICLE	IF	CITATIONS
271	Novel coronary heart disease risk factors at 60â€“64 years and life course socioeconomic position: The 1946 British birth cohort. <i>Atherosclerosis</i> , 2015, 238, 70-76.	0.4	21
272	Effectiveness and cost-effectiveness of a Yoga-based Cardiac Rehabilitation (Yoga-CaRe) program following acute myocardial infarction: Study rationale and design of a multi-center randomized controlled trial. <i>International Journal of Cardiology</i> , 2019, 280, 14-18.	0.8	21
273	Cohort Profile Update: Southall and Brent Revisited (SABRE) study: a UK population-based comparison of cardiovascular disease and diabetes in people of European, South Asian and African Caribbean heritage. <i>International Journal of Epidemiology</i> , 2020, 49, 1441-1442e.	0.9	21
274	Action of angiotensin II, 5â€“hydroxytryptamine and adenosine triphosphate on ionic currents in single ear artery cells of the rabbit. <i>British Journal of Pharmacology</i> , 1995, 116, 2148-2154.	2.7	20
275	Vein Graft Stenosis and the Heparin Responsiveness of Human Vascular Smooth Muscle Cells. <i>Circulation</i> , 1998, 97, 2506-2510.	1.6	20
276	The involvement of intracellular Ca ²⁺ in 5-HT _{1B/1D} receptor-mediated contraction of the rabbit isolated renal artery. <i>British Journal of Pharmacology</i> , 2000, 130, 835-842.	2.7	20
277	Effect of serum withdrawal on the contribution of L-type calcium channels (Ca _v 1.2) to intracellular Ca ²⁺ responses and chemotaxis in cultured human vascular smooth muscle cells. <i>British Journal of Pharmacology</i> , 2005, 145, 811-817.	2.7	20
278	Indian Asians have poorer cardiovascular autonomic function than Europeans: this is due to greater hyperglycaemia and may contribute to their greater risk of heart disease. <i>Diabetologia</i> , 2010, 53, 2120-2128.	2.9	20
279	Gender-Specific Differences in Myocardial Deformation and Aortic Stiffness at Rest and Dobutamine Stress. <i>Hypertension</i> , 2012, 59, 712-718.	1.3	20
280	Associations Between Left Ventricular Dysfunction and Brain Structure and Function: Findings From the SABRE (Southall and Brent Revisited) Study. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	20
281	Assessment of Exercise Capacity and Oxygen Consumption Using a 6 min Stepper Test in Older Adults. <i>Frontiers in Pharmacology</i> , 2017, 8, 408.	1.6	20
282	Multicenter Randomized Controlled Crossover Trial Comparing Hemodynamic Optimization Against Echocardiographic Optimization of AV and VV Delay of Cardiac Resynchronization Therapy. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 1407-1416.	2.3	20
283	Size and site-dependent heterogeneity of human vascular responses in vitro. <i>Journal of Hypertension</i> , 1988, 6, S173-175.	0.3	19
284	Regulation of phospholipase C-delta by GTP-binding proteins-rhoA as an inhibitory modulator. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1998, 1403, 97-101.	1.9	19
285	A randomized placebo controlled double blind crossover study of pioglitazone on left ventricular diastolic function in type 2 diabetes. <i>International Journal of Cardiology</i> , 2013, 167, 1329-1332.	0.8	19
286	Evidence-based recommendations for PISA measurements in mitral regurgitation: systematic review, clinical and in-vitro study. <i>International Journal of Cardiology</i> , 2013, 168, 1220-1228.	0.8	19
287	Impact of Blood Pressure on Retinal Microvasculature Architecture Across the Lifespan: The Young Finns Study. <i>Microcirculation</i> , 2015, 22, 146-155.	1.0	19
288	Estimation of maximal oxygen consumption and heart rate recovery using the Tecumseh sub-maximal step test and their relationship to cardiovascular risk factors. <i>Artery Research</i> , 2017, 18, 29.	0.3	19

#	ARTICLE	IF	CITATIONS
289	Patterns of adiposity, vascular phenotypes and cognitive function in the 1946 British Birth Cohort. <i>BMC Medicine</i> , 2018, 16, 75.	2.3	19
290	Associations of Y chromosomal haplogroups with cardiometabolic risk factors and subclinical vascular measures in males during childhood and adolescence. <i>Atherosclerosis</i> , 2018, 274, 94-103.	0.4	19
291	Triglyceride-containing lipoprotein sub-fractions and risk of coronary heart disease and stroke: A prospective analysis in 11,560 adults. <i>European Journal of Preventive Cardiology</i> , 2020, 27, 1617-1626.	0.8	19
292	Covid-19 Effects on ARTERial Stiffness and Vascular Ageing: CARTESIAN Study Rationale and Protocol. <i>Artery Research</i> , 2021, 27, 59.	0.3	19
293	Evidence that agonist and antagonist enantiomers of the dihydropyridine PN 2021791 act at different sites on the voltage-dependent calcium channel of vascular muscle. <i>British Journal of Pharmacology</i> , 1990, 101, 3-5.	2.7	18
294	Neurally evoked responses of human isolated resistance arteries are mediated by both α_1 and α_2 adrenoceptors. <i>British Journal of Pharmacology</i> , 1992, 106, 568-573.	2.7	18
295	Measurement of hemodynamics in human carotid artery using ultrasound and computational fluid dynamics. <i>Journal of Applied Physiology</i> , 2002, 92, 957-961.	1.2	18
296	Ethnic differences in retinal microvascular structure. <i>Diabetologia</i> , 2008, 51, 1719-1722.	2.9	18
297	Serum Amyloid A, C-Reactive Protein, and Retinal Microvascular Changes in Hypertensive Diabetic and Nondiabetic Individuals: An Anglo-Scandinavian Cardiac Outcomes Trial (ASCOT) substudy. <i>Diabetes Care</i> , 2009, 32, 1098-1100.	4.3	18
298	Hyperglycemia Has a Greater Impact on Left Ventricle Function in South Asians Than in Europeans. <i>Diabetes Care</i> , 2014, 37, 1124-1131.	4.3	18
299	Adverse effect of diabetes and hyperglycaemia on arterial stiffness in Europeans, South Asians, and African Caribbeans in the SABRE study. <i>Journal of Hypertension</i> , 2016, 34, 282-289.	0.3	18
300	Prognostic Value of Pulmonary Transit Time and Pulmonary Blood Volume Estimation Using Myocardial Perfusion CMR. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 2107-2119.	2.3	18
301	Endocrine cell hyperplasia and appendiceal carcinoids. <i>Journal of Pathology</i> , 1988, 156, 325-329.	2.1	17
302	Inhibition of Norepinephrine and Caffeine-Induced Activation by Ryanodine and Thapsigargin in Rat Mesenteric Arteries. <i>Journal of Cardiovascular Pharmacology</i> , 1995, 25, 840-846.	0.8	17
303	Retinal arterioles have impaired reactivity to hyperoxia in type 1 diabetes. <i>Acta Ophthalmologica</i> , 2010, 88, 453-457.	0.6	17
304	Evidence of Improved Regional Myocardial Function in Patients With Chronic Stable Angina and Apparent Normal Ventricular Function—A Tissue Doppler Study Before and After Percutaneous Coronary Intervention. <i>Journal of the American Society of Echocardiography</i> , 2009, 22, 177-182.	1.2	17
305	Can a Statin Neutralize the Cardiovascular Risk of Unhealthy Dietary Choices?. <i>American Journal of Cardiology</i> , 2010, 106, 587-592.	0.7	17
306	Why Does Primary Angioplasty Not Work in Registries? Quantifying the Susceptibility of Real-World Comparative Effectiveness Data to Allocation Bias. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2012, 5, 759-766.	0.9	17

#	ARTICLE	IF	CITATIONS
307	Endothelial Nitric Oxide Synthase is Not Essential for Nitric Oxide Production by Osteoblasts Subjected to Fluid Shear Stress In Vitro. <i>Calcified Tissue International</i> , 2013, 92, 228-239.	1.5	17
308	Cardiac resynchronization therapy and AV optimization increase myocardial oxygen consumption, but increase cardiac function more than proportionally. <i>International Journal of Cardiology</i> , 2014, 171, 144-152.	0.8	17
309	The Association of Type 2 Diabetes Mellitus with Cerebral Gray Matter Volume Is Independent of Retinal Vascular Architecture and Retinopathy. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-9.	1.0	17
310	Attenuation of reflected waves in man during retrograde propagation from femoral artery to proximal aorta. <i>International Journal of Cardiology</i> , 2016, 202, 441-445.	0.8	17
311	Elevated Blood Pressure in Adolescence Is Attributable to a Combination of Elevated Cardiac Output and Total Peripheral Resistance. <i>Hypertension</i> , 2018, 72, 1103-1108.	1.3	17
312	Impact of Ideal Cardiovascular Health in Childhood on the Retinal Microvasculature in Midadulthood: Cardiovascular Risk in Young Finns Study. <i>Journal of the American Heart Association</i> , 2018, 7, e009487.	1.6	17
313	Impact of pulmonary endarterectomy on pulmonary arterial wave propagation and reservoir function. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H505-H516.	1.5	17
314	Yoga and Cardiovascular Health Trial (YACHT): a UK-based randomised mechanistic study of a yoga intervention plus usual care versus usual care alone following an acute coronary event. <i>BMJ Open</i> , 2019, 9, e030119.	0.8	17
315	Masked hypertension and submaximal exercise blood pressure among adolescents from the Avon Longitudinal Study of Parents and Children (ALSPAC). <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 25-30.	1.3	17
316	Non-invasive assessment of ventriculo-arterial coupling using aortic wave intensity analysis combining central blood pressure and phase-contrast cardiovascular magnetic resonance. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 805-813.	0.5	17
317	The modified arterial reservoir: An update with consideration of asymptotic pressure (P_{∞}) and zero-flow pressure (P_{zf}). <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2020, 234, 1288-1299.	1.0	17
318	Know Your Heart: Rationale, design and conduct of a cross-sectional study of cardiovascular structure, function and risk factors in 4500 men and women aged 35-69 years from two Russian cities, 2015-18. <i>Wellcome Open Research</i> , 0, 3, 67.	0.9	17
319	Hypertension and blood vessels. <i>British Medical Bulletin</i> , 1994, 50, 356-370.	2.7	16
320	Comparison of Effects of Platelet-Derived Growth Factor Isoforms on Signaling and DNA Synthesis of Human Cultured Saphenous Vein Cells. <i>Journal of Cardiovascular Pharmacology</i> , 1995, 25, 481-485.	0.8	16
321	The mechanism of action of α_2 -adrenoceptors in human isolated subcutaneous resistance arteries. <i>British Journal of Pharmacology</i> , 1995, 115, 1463-1468.	2.7	16
322	Differential effects of lovastatin on mitogen induced calcium influx in human cultured vascular smooth muscle cells. <i>British Journal of Pharmacology</i> , 1997, 121, 1789-1795.	2.7	16
323	Effects of blood pressure lowering with amlodipine or lisinopril on vascular structure of the common carotid artery. <i>Clinical Science</i> , 2001, 101, 455.	1.8	16
324	Left ventricular hypertrophy induced by aortic banding impairs relaxation of isolated coronary arteries. <i>Clinical Science</i> , 2007, 113, 473-478.	1.8	16

#	ARTICLE	IF	CITATIONS
325	South Asians have adverse cerebrovascular haemodynamics, despite equivalent blood pressure, compared with Europeans. This is due to their greater hyperglycaemia. <i>International Journal of Epidemiology</i> , 2011, 40, 1490-1498.	0.9	16
326	Multinational evaluation of the interpretability of the iterative method of optimisation of AV delay for CRT. <i>International Journal of Cardiology</i> , 2013, 168, 407-413.	0.8	16
327	Applicability of the iterative technique for cardiac resynchronization therapy optimization: full-disclosure, 50-sequential-patient dataset of transmitral Doppler traces, with implications for future research design and guidelines. <i>Europace</i> , 2014, 16, 541-550.	0.7	16
328	A method for determining local pulse wave velocity in human ascending aorta from sequential ultrasound measurements of diameter and velocity. <i>Physiological Measurement</i> , 2018, 39, 114009.	1.2	16
329	Role of intracellular calcium ([Ca ²⁺] _i) and tyrosine phosphorylation in adhesion of cultured vascular smooth muscle cells to fibrinogen. <i>Cardiovascular Research</i> , 1998, 39, 475-484.	1.8	15
330	p53, p21 ^{WAF1/CIP1} , and MDM2 Involvement in Proliferation and Apoptosis in an In Vitro Model of Conditionally Immortalized Human Vascular Smooth Muscle Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2000, 20, 636-644.	1.1	15
331	Mechanism of action of angiotensin II in human isolated subcutaneous resistance arteries. <i>British Journal of Pharmacology</i> , 2001, 134, 188-196.	2.7	15
332	Title is missing!. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , 2002, 9, 77-81.	1.5	15
333	Carotid angioplasty in a pulsatile flow model: Factors affecting embolic potential. <i>European Journal of Vascular and Endovascular Surgery</i> , 2003, 26, 22-31.	0.8	15
334	Ethnic differences in heart rate: can these be explained by conventional cardiovascular risk factors?. <i>Clinical Autonomic Research</i> , 2008, 18, 90-95.	1.4	15
335	African Caribbeans have greater subclinical cerebrovascular disease than Europeans. <i>Journal of Hypertension</i> , 2013, 31, 2391-2399.	0.3	15
336	Differential Effects of Adiposity and Childhood Growth Trajectories on Retinal Microvascular Architecture. <i>Microcirculation</i> , 2013, 20, 609-616.	1.0	15
337	A review of wave mechanics in the pulmonary artery with an emphasis on wave intensity analysis. <i>Acta Physiologica</i> , 2016, 218, 239-249.	1.8	15
338	Ethnic differences in cross-sectional associations between impaired glucose regulation, identified by oral glucose tolerance test or HbA _{1c} values, and cardiovascular disease in a cohort of European and South Asian origin. <i>Diabetic Medicine</i> , 2016, 33, 340-347.	1.2	15
339	Mathematical Modelling of Intravenous Thrombolysis in Acute Ischaemic stroke: Effects of Dose Regimens on Levels of Fibrinolytic Proteins and Clot Lysis Time. <i>Pharmaceutics</i> , 2019, 11, 111.	2.0	15
340	Metabolic profiles of socio-economic position: a multi-cohort analysis. <i>International Journal of Epidemiology</i> , 2021, 50, 768-782.	0.9	15
341	Impact of lockdown on key workers: findings from the COVID-19 survey in four UK national longitudinal studies. <i>Journal of Epidemiology and Community Health</i> , 2021, 75, 955-962.	2.0	15
342	Perillyl Alcohol, an Inhibitor of Geranylgeranyl Transferase, Induces Apoptosis of Immortalized Human Vascular Smooth Muscle Cells In Vitro. <i>Journal of Cardiovascular Pharmacology</i> , 2000, 35, 341-344.	0.8	15

#	ARTICLE	IF	CITATIONS
343	No Evidence for a Direct Vasodilatory Effect of Celiprolol on Human Vasculature In Vivo or In Vitro. <i>Journal of Cardiovascular Pharmacology</i> , 1987, 10, 589-592.	0.8	14
344	The effect of atrial natriuretic peptide on human isolated resistance arteries. <i>British Journal of Pharmacology</i> , 1989, 97, 1027-1030.	2.7	14
345	Role of polyamines in hypertension induced by angiotensin II. <i>Cardiovascular Research</i> , 1995, 29, 50-56.	1.8	14
346	Src family tyrosine kinases mediate contraction of rat isolated tail arteries in response to a hypotonic stimulus. <i>Journal of Hypertension</i> , 2007, 25, 1871-1878.	0.3	14
347	Attenuation of microvascular function in those with cardiovascular disease is similar in patients of Indian Asian and European descent. <i>BMC Cardiovascular Disorders</i> , 2010, 10, 3.	0.7	14
348	Patient-Specific Coronary Stenoses Can Be Modeled Using a Combination of OCT and Flow Velocities to Accurately Predict Hyperemic Pressure Gradients. <i>IEEE Transactions on Biomedical Engineering</i> , 2014, 61, 1902-1913.	2.5	14
349	Evidence that conflict regarding size of haemodynamic response to interventricular delay optimization of cardiac resynchronization therapy may arise from differences in how atrioventricular delay is kept constant. <i>Europace</i> , 2015, 17, 1823-1833.	0.7	14
350	Optimality, cost minimization and the design of arterial networks. <i>Artery Research</i> , 2015, 10, 1.	0.3	14
351	The relationship between pubertal timing and markers of vascular and cardiac structure and function in men and women aged 60-64 years. <i>Scientific Reports</i> , 2019, 9, 11037.	1.6	14
352	Impact of Kidney Function on Cardiovascular Risk and Mortality: A Comparison of South Asian and European Cohorts. <i>American Journal of Nephrology</i> , 2019, 50, 425-433.	1.4	14
353	Distinct Body Mass Index Trajectories to Young-Adulthood Obesity and Their Different Cardiometabolic Consequences. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 1580-1593.	1.1	14
354	Socioeconomic inequalities in prevalence and development of multimorbidity across adulthood: A longitudinal analysis of the MRC 1946 National Survey of Health and Development in the UK. <i>PLoS Medicine</i> , 2021, 18, e1003775.	3.9	14
355	Acute effects of oxygen and carbon dioxide on retinal vascular network geometry in hypertensive and normotensive subjects. <i>Clinical Science</i> , 2000, 99, 483.	1.8	13
356	Tyrosine Kinases Act Directly on the α_1 Subunit to Modulate Cav2.2 Calcium Channels. <i>Biochemical and Biophysical Research Communications</i> , 2002, 290, 1246-1249.	1.0	13
357	Comparison of the retinal microvasculature in European and African-Caribbean people with diabetes. <i>Clinical Science</i> , 2009, 117, 229-236.	1.8	13
358	Development of lysolipid-based thermosensitive liposomes for delivery of high molecular weight proteins. <i>International Journal of Pharmaceutics</i> , 2011, 421, 291-292.	2.6	13
359	The reservoir-wave paradigm. <i>Journal of Hypertension</i> , 2012, 30, 1880-1881.	0.3	13
360	Attenuated Systemic Microvascular Function in Men with Coronary Artery Disease is Associated with Angina but not Explained by Atherosclerosis. <i>Microcirculation</i> , 2013, 20, 670-677.	1.0	13

#	ARTICLE	IF	CITATIONS
361	Estimation of coronary wave intensity analysis using noninvasive techniques and its application to exercise physiology. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H619-H627.	1.5	13
362	Identification of capillary rarefaction using intracoronary wave intensity analysis with resultant prognostic implications for cardiac allograft patients. <i>European Heart Journal</i> , 2018, 39, 1807-1814.	1.0	13
363	The delirium and population health informatics cohort study protocol: ascertaining the determinants and outcomes from delirium in a whole population. <i>BMC Geriatrics</i> , 2018, 18, 45.	1.1	13
364	Validation of lipid-related therapeutic targets for coronary heart disease prevention using human genetics. <i>Nature Communications</i> , 2021, 12, 6120.	5.8	13
365	Dopamine Produces Forearm Vasodilatation Following α -Adrenoceptor Blockade by an Action on		

#	ARTICLE	IF	CITATIONS
379	ENHANCED TISSUE POLYAMINE CONTENT IN THE SPONTANEOUSLY HYPERTENSIVE RAT. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1996, 23, 410-414.	0.9	11
380	Characterization of [³ H]-heparin binding in human vascular smooth muscle cells and its relationship to the inhibition of DNA synthesis. <i>British Journal of Pharmacology</i> , 1999, 127, 361-368.	2.7	11
381	An intensive phenotyping study to enable the future examination of genetic influences on hypertension-associated cardiovascular disease. <i>Journal of Human Hypertension</i> , 2001, 15, S13-S18.	1.0	11
382	Is Carotid Artery Intima-Media Thickening a Reliable Marker of Early Atherosclerosis?. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , 2002, 9, 77-81.	3.1	11
383	Only weak vasorelaxant properties of loop diuretics in isolated resistance arteries from man, rat and guinea pig. <i>European Journal of Pharmacology</i> , 2003, 466, 281-287.	1.7	11
384	The importance of wave reflection: A comparison of wave intensity analysis and separation of pressure into forward and backward components. , 2013, 2013, 229-32.		11
385	The association of nonalcoholic fatty liver disease with central and peripheral blood pressure in adolescence. <i>Journal of Hypertension</i> , 2015, 33, 546-553.	0.3	11
386	Pulmonary artery wave propagation and reservoir function in conscious man: impact of pulmonary vascular disease, respiration and dynamic stress tests. <i>Journal of Physiology</i> , 2017, 595, 6463-6476.	1.3	11
387	A Double-Blind Placebo-Controlled Crossover Study of the Effect of Beetroot Juice Containing Dietary Nitrate on Aortic and Brachial Blood Pressure Over 24 h. <i>Frontiers in Physiology</i> , 2019, 10, 47.	1.3	11
388	Submaximal exercise blood pressure and cardiovascular structure in adolescence. <i>International Journal of Cardiology</i> , 2019, 275, 152-157.	0.8	11
389	Metformin and carotid intima-media thickness in never-smokers with type 1 diabetes: The REMOVAL trial. <i>Diabetes, Obesity and Metabolism</i> , 2021, 23, 1371-1378.	2.2	11
390	Presence and Mechanism of Direct Vascular Effects of Amiloride in Humans. <i>Journal of Cardiovascular Pharmacology</i> , 1999, 34, 388-393.	0.8	11
391	A lifecourse mendelian randomization study highlights the long-term influence of childhood body size on later life heart structure. <i>PLoS Biology</i> , 2022, 20, e3001656.	2.6	11
392	Naproxen causes cytotoxicity and induces changes in polyamine metabolism independent of cyclo-oxygenase expression. <i>Toxicology Research</i> , 2012, 1, 108.	0.9	10
393	Linking phospholipase C isoforms with differentiation function in human vascular smooth muscle cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 3006-3012.	1.9	10
394	Towards an understanding of the release behavior of temperature-sensitive liposomes: a possible explanation of the "pseudoequilibrium" release behavior at the phase transition temperature. <i>Journal of Liposome Research</i> , 2013, 23, 167-173.	1.5	10
395	Commentary: 'On the cards': Collective investigation of disease and medical life histories in the nineteenth century. <i>International Journal of Epidemiology</i> , 2013, 42, 683-688.	0.9	10
396	Different associations between beta-blockers and other antihypertensive medication combinations with brachial blood pressure and aortic waveform parameters. <i>International Journal of Cardiology</i> , 2016, 219, 257-263.	0.8	10

#	ARTICLE	IF	CITATIONS
397	Nitric Oxide Attenuates Arterial Pulse Wave Reflection in a Vasodilator Responding Pulmonary Arterial Hypertension Patient. <i>Circulation: Cardiovascular Interventions</i> , 2018, 11, e006242.	1.4	10
398	Impact of chronic hypoxia on proximal pulmonary artery wave propagation and mechanical properties in rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H1264-H1278.	1.5	10
399	Computational simulations of thrombolysis in acute stroke: Effect of clot size and location on recanalisation. <i>Medical Engineering and Physics</i> , 2019, 73, 9-17.	0.8	10
400	Influence of Renal Transplantation and Living Kidney Donation on Large Artery Stiffness and Peripheral Vascular Resistance. <i>American Journal of Hypertension</i> , 2020, 33, 234-242.	1.0	10
401	Recreational marathon running does not cause exercise-induced left ventricular hypertrabeculation. <i>International Journal of Cardiology</i> , 2020, 315, 67-71.	0.8	10
402	Age matters: differences in exercise-induced cardiovascular remodelling in young and middle aged healthy sedentary individuals. <i>European Journal of Preventive Cardiology</i> , 2021, 28, 738-746.	0.8	10
403	Feasibility of Estimation of Aortic Wave Intensity Using Non-invasive Pressure Recordings in the Absence of Flow Velocity in Man. <i>Frontiers in Physiology</i> , 2020, 11, 550.	1.3	10
404	Puberty timing and markers of cardiovascular structure and function at 25Åyears: a prospective cohort study. <i>BMC Medicine</i> , 2021, 19, 78.	2.3	10
405	Feasibility and Reproducibility of Left Ventricular Rotation by Speckle Tracking Echocardiography in Elderly Individuals and the Impact of Different Software. <i>PLoS ONE</i> , 2013, 8, e75098.	1.1	10
406	Action of heparin and ruthenium red on responses of reversibly-permeabilised rat mesenteric arteries. <i>European Journal of Pharmacology</i> , 1994, 268, 319-325.	2.7	9
407	Thiazide-induced hyperglycaemia: A role for calcium-activated potassium channels?. <i>Diabetologia</i> , 1996, 39, 861-864.	2.9	9
408	AT 1-signalling in vascular smooth muscle. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2000, 1, 125-130.	1.0	9
409	Action of an HMG CoA Reductase Inhibitor, Lovastatin, on Apoptosis of Untransformed and ts-SV40 Transformed Human Smooth Muscle Cells Derived from Saphenous Vein. <i>Journal of Cardiovascular Pharmacology</i> , 2001, 38, 161-173.	0.8	9
410	Comparison of the effects of antihypertensive treatment with angiotensin II blockade and beta-blockade on carotid wall structure and haemodynamics: protocol and baseline demographics. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2002, 3, 116-122.	1.0	9
411	Assessment of Energy Requirement for the Retinal Arterial Network in Normal and Hypertensive Subjects. <i>Journal of Biomechanical Engineering</i> , 2012, 134, 014501.	0.6	9
412	South Asians Have Elevated Postexercise Blood Pressure and Myocardial Oxygen Consumption Compared to Europeans Despite Equivalent Resting Pressure. <i>Journal of the American Heart Association</i> , 2012, 1, e000281.	1.6	9
413	The contribution of obesity to carotid atherosclerotic plaque burden in a general population sample in Norway: The TromsÅ Study. <i>Atherosclerosis</i> , 2018, 273, 15-20.	0.4	9
414	Application of the DILEMMA score to improve lesion selection for invasive physiological assessment. <i>Catheterization and Cardiovascular Interventions</i> , 2019, 94, E96-E103.	0.7	9

#	ARTICLE	IF	CITATIONS
415	Life Course Socioeconomic Position: Associations with Cardiac Structure and Function at Age 60-64 Years in the 1946 British Birth Cohort. PLoS ONE, 2016, 11, e0152691.	1.1	9

416	Action of Dopamine on Isolated Human Saphenous Veins. Journal of Cardiovascular Pharmacology, 1988, 11, 373.	0.8	8
-----	--	-----	---

417

#	ARTICLE	IF	CITATIONS
433	The antimitogenic action of the sulphated polysaccharide fucoidan differs from heparin in human vascular smooth muscle cells. <i>Thrombosis and Haemostasis</i> , 2002, 87, 149-54.	1.8	8
434	The UK Coronavirus Job Retention Scheme and diet, physical activity, and sleep during the COVID-19 pandemic: evidence from eight longitudinal population surveys. <i>BMC Medicine</i> , 2022, 20, 147.	2.3	8
435	Inhibition of proliferation by heparin and expression of p53 in cultured human vascular smooth muscle cells. <i>Journal of Human Hypertension</i> , 1997, 11, 611-614.	1.0	7
436	Action of ryanodine on neurogenic responses in rat isolated mesenteric small arteries. <i>British Journal of Pharmacology</i> , 1997, 122, 142-148.	2.7	7
437	Intravascular pressure-evoked changes in intracellular calcium $[Ca^{2+}]_i$ and tone in rat mesenteric and rabbit cerebral arteries in vitro. <i>Journal of Human Hypertension</i> , 1999, 13, 855-858.	1.0	7
438	Phospholipase C Isoforms, Cytoskeletal Organization, and Vascular Smooth Muscle Differentiation. <i>Physiology</i> , 2000, 15, 41-45.	1.6	7
439	Mechanism of Contraction of Rat Isolated Tail Arteries by Hypotonic Solutions. <i>Journal of Vascular Research</i> , 2005, 42, 93-100.	0.6	7
440	Inhibition of Src family tyrosine kinases prevents lipopolysaccharide-induced hyporeactivity in isolated rat tail arteries. <i>Vascular Pharmacology</i> , 2007, 46, 195-200.	1.0	7
441	Induction of oscillatory ventilation pattern using dynamic modulation of heart rate through a pacemaker. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 295, R219-R227.	0.9	7
442	Reservoir-wave separation and wave intensity analysis applied to carotid arteries: A hybrid 1D model to understand haemodynamics. , 2008, 2008, 1381-4.		7
443	Advanced Computational Models for Disturbed and Turbulent Flow in Stenosed Human Carotid Artery Bifurcation. <i>IFMBE Proceedings</i> , 2008, , 390-394.	0.2	7
444	A novel fully automated method for mitral regurgitant orifice area quantification. <i>International Journal of Cardiology</i> , 2013, 166, 688-695.	0.8	7
445	Associations of blood pressure variability and retinal arteriolar diameter in participants with type 2 diabetes. <i>Diabetes and Vascular Disease Research</i> , 2016, 13, 299-302.	0.9	7
446	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.	0.3	7
447	Non-invasive Technique for Determining Local PWV in the Human Ascending Aorta. , 2017, , .		7
448	Genetic variants in PPARGC1B and CNTN4 are associated with thromboxane A2 formation and with cardiovascular event free survival in the Anglo-Scandinavian Cardiac Outcomes Trial (ASCOT). <i>Atherosclerosis</i> , 2018, 269, 42-49.	0.4	7
449	Sex and regional differences in myocardial plasticity in aortic stenosis are revealed by 3D model machine learning. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 21, 417-427.	0.5	7
450	Reproducibility of Left Ventricular Dyssynchrony Indices by Three-Dimensional Speckle-Tracking Echocardiography: The Impact of Sub-optimal Image Quality. <i>Frontiers in Cardiovascular Medicine</i> , 2019, 6, 149.	1.1	7

#	ARTICLE	IF	CITATIONS
451	Identification of Distinct Arterial Waveform Clusters and a Longitudinal Evaluation of Their Clinical Usefulness. <i>Hypertension</i> , 2019, 74, 921-928.	1.3	7
452	Cardiovascular disease recurrence and long-term mortality in a tri-ethnic British cohort. <i>Heart</i> , 2021, 107, 996-1002.	1.2	7
453	Physiological and clinical insights from reservoir-excess pressure analysis. <i>Journal of Human Hypertension</i> , 2021, 35, 758-768.	1.0	7
454	Type 2 diabetes risks and determinants in second-generation migrants and mixed ethnicity people of South Asian and African Caribbean descent in the UK. <i>Diabetologia</i> , 2022, 65, 113-127.	2.9	7
455	The action of dopamine and vascular dopamine (DA ₁) receptor agonists on human isolated subcutaneous and omental small arteries. <i>British Journal of Pharmacology</i> , 1989, 97, 950-956.	2.7	6
456	Angiotensin receptor antagonists and vaso-vagal attacks due to sensitisation of the Bezold-Jarisch reflex?. <i>Journal of Human Hypertension</i> , 2001, 15, 437-438.	1.0	6
457	The clinical assessment of retinal microvascular structure and therapeutic implications. <i>Current Treatment Options in Cardiovascular Medicine</i> , 2007, 9, 236-241.	0.4	6
458	Normal asynchrony of left ventricular long and short axes: Their relationship with aortic hemodynamics. <i>International Journal of Cardiology</i> , 2010, 142, 166-171.	0.8	6
459	Impaired post-ischæmic microvascular hyperaemia in Indian Asians is unexplained by diabetes or other cardiovascular risk factors. <i>Atherosclerosis</i> , 2012, 221, 503-507.	0.4	6
460	Association of parental blood pressure with retinal microcirculatory abnormalities indicative of endothelial dysfunction in children. <i>Journal of Hypertension</i> , 2014, 32, 598-605.	0.3	6
461	Ahead of the Curve. <i>Hypertension</i> , 2014, 64, 929-930.	1.3	6
462	Cardiometabolic Health Among Adult Offspring of Hypertensive Pregnancies: The Cardiovascular Risk in Young Finns Study. <i>Journal of the American Heart Association</i> , 2018, 7, .	1.6	6
463	Regression of left ventricular hypertrophy provides an additive physiological benefit following treatment of aortic stenosis: Insights from serial coronary wave intensity analysis. <i>Acta Physiologica</i> , 2018, 224, e13109.	1.8	6
464	Imaging Protocol, Feasibility, and Reproducibility of Cardiovascular Phenotyping in a Large Tri-Ethnic Population-Based Study of Older People: The Southall and Brent Revisited (SABRE) Study. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 591946.	1.1	6
465	Longitudinal birth cohort study finds that life-course frailty associates with later-life heart size and function. <i>Scientific Reports</i> , 2021, 11, 6272.	1.6	6
466	Relationship Between Image Quality and Bias in 3D Echocardiographic Measures: Data From the SABRE (Southall and Brent Revisited) Study. <i>Journal of the American Heart Association</i> , 2022, 11, e019183.	1.6	6
467	Left Ventricular Structure and Function in Previously Untreated Hypertensive Patients: The Importance of Blood Pressure, the Nocturnal Blood Pressure Dip and Heart Rate. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , 1995, 2, 255-261.	3.1	5
468	α_1 -Adrenoceptor Activation Increases Calcium Channel Currents in Single Vascular Smooth Muscle Cells Isolated from Human Omental Resistance Arteries. <i>Journal of Vascular Research</i> , 1996, 33, 25-31.	0.6	5

#	ARTICLE	IF	CITATIONS
469	Depletion of Resistance Vessel Polyamines Attenuates Angiotensin II Induced Blood Pressure Rise in Rats. <i>Clinical and Experimental Hypertension</i> , 1996, 18, 811-830.	0.5	5
470	<title>Toward retinal vessel parameterization</title>. , 1997, 3034, 734.		5
471	26 Platelet-derived growth factor-BB induces apoptosis in cultured vascular smooth muscle cells derived from human saphenous vein. <i>Biochemical Society Transactions</i> , 1998, 26, S325-S325.	1.6	5
472	Endotoxin-lipoprotein hypothesis. <i>Lancet</i> , The, 2000, 356, 2097-2098.	6.3	5
473	Peripheral Augmentation Index and Wave Reflection in the Radial Artery. <i>Hypertension</i> , 2008, 51, e45-6; author reply e47.	1.3	5
474	Impaired recovery of intracellular calcium and force after activation in isolated myometrial and subcutaneous resistance arteries from women with preeclampsia. <i>Journal of Hypertension</i> , 2010, 28, 568-574.	0.3	5
475	Extraction of Nucleic Acids from Bone. <i>Methods in Molecular Biology</i> , 2012, 816, 249-259.	0.4	5
476	Genetic and Early Life Influences on the Human Retinal Microcirculation. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2012, 110, 19-25.	1.2	5
477	Hybrid IFR-FFR Decision-Making Strategy: Implications for Enhancing Universal Adoption of Physiology-Guided Coronary Revascularization. <i>American Journal of Cardiology</i> , 2013, 111, 54B.	0.7	5
478	British randomised controlled trial of AV and VV optimization (‘‘BRAVO’’) study: rationale, design, and endpoints. <i>BMC Cardiovascular Disorders</i> , 2014, 14, 42.	0.7	5
479	Associations of Central and Peripheral Blood Pressure With Cardiac Structure and Function in an Adolescent Birth Cohort. <i>Journal of the American College of Cardiology</i> , 2015, 65, 2048-2050.	1.2	5
480	Statin utilisation in a real world setting: a retrospective analysis in relation to arterial and cardiovascular autonomic function. <i>Pharmacology Research and Perspectives</i> , 2016, 4, e00276.	1.1	5
481	Feasibility of cardiovascular magnetic resonance derived coronary wave intensity analysis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2017, 18, 93.	1.6	5
482	Role of the Metabolic Profile in Mediating the Relationship Between Body Mass Index and Left Ventricular Mass in Adolescents: Analysis of a Prospective Cohort Study. <i>Journal of the American Heart Association</i> , 2020, 9, e016564.	1.6	5
483	Mechanisms of Aortic Flow Deceleration and the Effect of Wave Reflection on Left Ventricular Function. <i>Frontiers in Physiology</i> , 2020, 11, 578701.	1.3	5
484	Joint Modeling of Individual Trajectories, Within-Individual Variability, and a Later Outcome: Systolic Blood Pressure Through Childhood and Left Ventricular Mass in Early Adulthood. <i>American Journal of Epidemiology</i> , 2021, 190, 652-662.	1.6	5
485	Cardiorespiratory fitness, fatness, and the acute blood pressure response to exercise in adolescence. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021, 31, 1693-1698.	1.3	5
486	Patients with aortic stenosis exhibit early improved endothelial function following transcatheter aortic valve replacement: The eFAST study. <i>International Journal of Cardiology</i> , 2021, 332, 143-147.	0.8	5

#	ARTICLE	IF	CITATIONS
487	Excess pressure as an analogue of blood flow velocity. <i>Journal of Hypertension</i> , 2021, 39, 421-427.	0.3	5
488	Demonstration of Vascular Dopamine Receptors in the Human Forearm Arterial Circulation. <i>Journal of Hypertension</i> , 1986, 4, 791.	0.3	4
489	Mechanism of the Vasodilator Action of Pinacidil. <i>Journal of Vascular Research</i> , 1990, 27, 314-318.	0.6	4
490	Contrasting Mechanisms Of Intracellular Calcium ([Ca ²⁺] _i) Elevation By Angiotensin II (All) And Platelet Derived Growth Factor-BB (PDGF-BB) In Human Vascular Smooth Muscle Cells (VSMCs). <i>Biochemical Society Transactions</i> , 1995, 23, 170S-170S.	1.6	4
491	Different Effects Of Platelet Derived Growth Factor Isoforms On DNA Synthesis And Migration In Human Vascular Smooth Muscle Cells. <i>Biochemical Society Transactions</i> , 1995, 23, 608S-608S.	1.6	4
492	Ethnic differences in carotid and left ventricular hypertrophy. <i>Journal of Hypertension</i> , 2002, 20, 539-543.	0.3	4
493	Central Aortic Pressure Influences Pulse Wave Velocity. <i>Hypertension</i> , 2002, 40, e10-1; author reply e10-1.	1.3	4
494	PDGF stimulates DNA synthesis in human vascular smooth muscle cells via a novel wortmannin-insensitive phosphatidylinositol 3-kinase. <i>FEBS Letters</i> , 2003, 555, 591-596.	1.3	4
495	Carotid Artery Hemodynamics: Observing Patient-specific Changes with Amlodipine and Lisinopril by Using MR Imaging Computation Fluid Dynamics. <i>Radiology</i> , 2010, 257, 662-669.	3.6	4
496	Novel cardiac pacemaker-based human model of periodic breathing to develop real-time, pre-emptive technology for carbon dioxide stabilisation. <i>Open Heart</i> , 2014, 1, e000055.	0.9	4
497	QRISK2 validation by ethnic group. <i>Heart</i> , 2014, 100, 437-437.	1.2	4
498	Statin use is associated with reduced depressive symptoms in Europeans, but increased symptoms in ethnic minorities in the UK: an observational study. <i>British Journal of Clinical Pharmacology</i> , 2015, 80, 172-173.	1.1	4
499	3D echocardiography-derived indices of left ventricular function and structure predict long-term mortality differently in men and women: the Southall And Brent Revisited (SABRE) study. , 2019, , .		4
500	Cuff Under Pressure for Greater Accuracy. <i>Current Hypertension Reports</i> , 2020, 22, 93.	1.5	4
501	The influence of fitness on exercise blood pressure and its association with cardiac structure in adolescence. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 1033-1039.	1.3	4
502	Identifying Isolated Systolic Hypertension From Upper-Arm Cuff Blood Pressure Compared With Invasive Measurements. <i>Hypertension</i> , 2021, 77, 632-639.	1.3	4
503	Blood pressure variability and night-time dipping assessed by 24-hour ambulatory monitoring: Cross-sectional association with cardiac structure in adolescents. <i>PLoS ONE</i> , 2021, 16, e0253196.	1.1	4
504	Reservoir-Excess Pressure Parameters Independently Predict Cardiovascular Events in Individuals With Type 2 Diabetes. <i>Hypertension</i> , 2021, 78, 40-50.	1.3	4

#	ARTICLE	IF	CITATIONS
505	Analysis of Gene Expression in Bone by Quantitative RT/PCR. <i>Methods in Molecular Biology</i> , 2012, 816, 261-275.	0.4	4
506	Geometrical and Morphological Analysis of Vascular Branches from Fundus Retinal Images. <i>Lecture Notes in Computer Science</i> , 2000, , 756-765.	1.0	4
507	3.5 Arterial Stiffness Partly Explains Sex Differences in Associations Between Left Ventricular Structure and Mortality: The Southall and Brent Revisited (SABRE) Study. <i>Artery Research</i> , 2019, 25, S25-S26.	0.3	4
508	Study protocol: MyoFit46â€”the cardiac sub-study of the MRC National Survey of Health and Development. <i>BMC Cardiovascular Disorders</i> , 2022, 22, 140.	0.7	4
509	Skeletal Muscle Tissue Saturation Changes Measured Using Near Infrared Spectroscopy During Exercise Are Associated With Post-Occlusive Reactive Hyperaemia. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	4
510	Ergometrine and bronchospasm. <i>Anaesthesia</i> , 1987, 42, 1115-1116.	1.8	3
511	LOW DOSE INDAPAMIDE PLUS PERINDOPRIL COMBINATION EFFECTS ON CARDIOVASCULAR STRUCTURE AND FUNCTION IN GENETIC HYPERTENSION. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1999, 26, 622-627.	0.9	3
512	Effect of hypercholesterolaemia on voltage-operated calcium channel currents in rabbit arterial smooth muscle cells. <i>Journal of Human Hypertension</i> , 1999, 13, 849-853.	1.0	3
513	The Devil Is in The Detail: A Constructionist Account of Repetition Blindness. , 2005, , 101-130.		3
514	Method for Percutaneously Introducing, and Removing, Anatomical Stenosis of Predetermined Severity In Vivo: The â€œStenotic Stentâ€”, <i>Journal of Cardiovascular Translational Research</i> , 2013, 6, 640-648.	1.1	3
515	Distinct impacts of heart rate and right atrialâ€”pacing on left atrial mechanical activation and optimal AV delay in CRT. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2018, 41, 959-966.	0.5	3
516	THE PREVALENCE OF SUBCLINICAL LEFT VENTRICULAR SYSTOLIC DYSFUNCTION BY 3D-GLOBAL LONGITUDINAL STRAIN IN SOUTH ASIANS COMPARED TO WHITES EUROPEANS AND THE ROLE OF CENTRAL OBESITY: THE SOUTHALL AND BRENT REVISITED (SABRE) STUDY. <i>Journal of the American College of Cardiology</i> , 2020, 75, 1656.	1.2	3
517	Effect of adiposity on differences in carotid plaque burden in studies conducted in Norway and Russia: a cross-sectional analysis of two populations at very different risk of cardiovascular mortality. <i>BMJ Open</i> , 2020, 10, e036583.	0.8	3
518	Sex differences in the contribution of different physiological systems to physical function in older adults. <i>GeroScience</i> , 2021, 43, 443-455.	2.1	3
519	Automatic artery/vein classification in colour retinal images. , 2020, , .		3
520	Multiphysics Modelling and Simulation of Thrombolysis via Activated Platelet-Targeted Nanomedicine. <i>Pharmaceutical Research</i> , 2022, 39, 41-56.	1.7	3
521	Is carotid artery atherosclerosis associated with poor cognitive function assessed using the Mini-Mental State Examination? A systematic review and meta-analysis. <i>BMJ Open</i> , 2022, 12, e055131.	0.8	3
522	Association between carotid atherosclerosis and brain activation patterns during the Stroop task in older adults: An fNIRS investigation. <i>NeuroImage</i> , 2022, 257, 119302.	2.1	3

#	ARTICLE	IF	CITATIONS
523	Intracellular pH and calcium in vascular smooth muscle. <i>Biochemical Society Transactions</i> , 1989, 17, 506-507.	1.6	2
524	Autoradiographic localization of dopamine D1 receptors in human renal cortex. <i>Biochemical Society Transactions</i> , 1989, 17, 918-919.	1.6	2
525	Action of the endothelin receptor (ETA) antagonist BQ-123 on forearm blood flow in young normotensive subjects. <i>Clinical Science</i> , 2002, 102, 661.	1.8	2
526	A Novel <i>in Vitro</i> Model of Conditionally Immortalized Human Vascular Smooth Muscle Cells: A Tool for Aging Studies. <i>Annals of the New York Academy of Sciences</i> , 2000, 908, 321-323.	1.8	2
527	Validating markers of mechanical dyssynchrony by experimental manipulation of interventricular timings: what is needed to make them a reasonable prospect for cardiac resynchronisation therapy selection?. <i>Heart</i> , 2012, 98, A5.1-A5.	1.2	2
528	Fractional Flow Reserve and The Instant Wave-free Ratio Have Equivalent Agreement with Flow Based Indices Across the Entire Spectrum of Stenosis Severity: Results of CLARIFY (The Classification of Fractional Flow Reserve) Study. <i>Journal of the American College of Cardiology</i> , 2013, 61, 111-119.	0.7	2
529	Comment on Shah et al. Cardiovascular Complications and Mortality After Diabetes Diagnosis for South Asian and Chinese Patients: A Population-Based Cohort Study. <i>Diabetes Care</i> 2013;36:2670-2676. <i>Diabetes Care</i> , 2014, 37, e78-e79.	4.3	2
530	Errors of Fact in the Recent Article by Westerhof, Segers, and Westerhof. <i>Hypertension</i> , 2015, 66, .	1.3	2
531	Circulating microRNA-122 is associated with incident metabolic syndrome and type-2 diabetes. <i>Atherosclerosis</i> , 2016, 252, e263.	0.4	2
532	5.5 IMPACT OF PULMONARY ENDARTERECTOMY ON PULMONARY ARTERIAL WAVE PROPAGATION AND RESERVOIR FUNCTION. <i>Artery Research</i> , 2017, 20, 60.	0.3	2
533	P53 ZERO FLOW PRESSURE (PINFINITY) IS LARGER THAN MEAN CIRCULATORY FILLING PRESSURE. A SYSTEMATIC REVIEW AND META-ANALYSIS. <i>Artery Research</i> , 2018, 24, 94.	0.3	2
534	Semiautomatic Vendor Independent Software for Assessment of Local Arterial Stiffness. , 2018, , .		2
535	Adaptations to Coronary Physiology in a Patient With Severe Aortic Stenosis and Complete Heart Block Undergoing Transcatheter Aortic Valve Replacement. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 687-689.	1.1	2
536	Improvements in Skeletal Muscle Can Be Detected Using Broadband NIRS in First-Time Marathon Runners. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1232, 245-251.	0.8	2
537	Establishing reference intervals for triglyceride-containing lipoprotein subfraction metabolites measured using nuclear magnetic resonance spectroscopy in a UK population. <i>Annals of Clinical Biochemistry</i> , 2021, 58, 47-53.	0.8	2
538	Study Protocol: The Heart and Brain Study. <i>Frontiers in Physiology</i> , 2021, 12, 643725.	1.3	2
539	3D Reconstruction of the Retinal Arterial Tree Using Subject-Specific Fundus Images. , 2009, , 187-201.		2
540	Protective Effect of Polyamines on NSAID-Induced Injury and Apoptosis. , 2006, , 267-278.		2

#	ARTICLE	IF	CITATIONS
541	Image-based Blood Flow Simulation in the Retinal Circulation. IFMBE Proceedings, 2009, , 1963-1966.	0.2	2
542	Modelling ethnic differences in the distribution of insulin resistance via Bayesian nonparametric processes: an application to the SABRE cohort study. International Journal of Biostatistics, 2021, 17, 153-164.	0.4	2
543	Study Protocol "Insight 46 Cardiovascular: A Sub-study of the MRC National Survey of Health and Development. Artery Research, 2020, 26, 170-179.	0.3	2
544	Carotid Reservoir Pressure Decrease After Prolonged Head Down Tilt Bed Rest in Young Healthy Subjects Is Associated With Reduction in Left Ventricular Ejection Time and Diastolic Length. Frontiers in Physiology, 2022, 13, 866045.	1.3	2
545	Dopaminergic Mechanisms in Human Peripheral Vasculature. Journal of Hypertension, 1985, 3, 664-665.	0.3	1
546	Celiprolol. Lancet, The, 1992, 339, 247.	6.3	1
547	A comparison of calcium channel currents in vascular smooth muscle cells from Watanabe Hereditary Hypercholesterolaemic and New Zealand White rabbits. Biochemical Society Transactions, 1994, 22, 361S-361S.	1.6	1
548	Low density lipoprotein and calcium homeostasis in human vascular smooth muscle cells. Biochemical Society Transactions, 1994, 22, 145S-145S.	1.6	1
549	Angiotensin II receptors are exclusively of the AT1 subtype in cultured human vascular smooth muscle cells. Biochemical Society Transactions, 1995, 23, 458S-458S.	1.6	1
550	Regulation of Phospholipase C β 1 activity by GTP-binding proteins: RhoA as an inhibitory modulator. Biochemical Society Transactions, 1998, 26, S128-S128.	1.6	1
551	Wearing your heart in your sleeve?. European Heart Journal, 2001, 22, 1071-1073.	1.0	1
552	116 CRT optimisation: improving echocardiographic techniques by accommodating biological variability within different echocardiographic parameters. Heart, 2011, 97, A66-A67.	1.2	1
553	39 Blood-derived endothelial progenitor cells from Von Willebrand's disease patients demonstrate that Von Willebrand factor regulates angiogenesis. Heart, 2011, 97, e7-e7.	1.2	1
554	TCT-620 Mean Hyperemic Flow is Not Increased Following Adenosine Administration in Physiologically Significant Lesions. Journal of the American College of Cardiology, 2013, 62, B188.	1.2	1
555	Automated speckle tracking algorithm to aid on-axis imaging in echocardiography. Journal of Medical Imaging, 2014, 1, 037001.	0.8	1
556	3.4 RESERVOIR PRESSURE SEPARATION AT BRACHIAL, CAROTID AND RADIAL ARTERIES: A QUANTITATIVE COMPARISON AND EVALUATION. Artery Research, 2017, 20, 54.	0.3	1
557	Relations of Demographic and Clinical Factors With Cardiovascular Autonomic Function in a Population-Based Study: An Assessment By Quantile Regression. American Journal of Hypertension, 2018, 31, 53-62.	1.0	1
558	Associations between High Blood Pressure and DNA Methylation. Journal of Clinical Epigenetics, 2018, 04, .	0.3	1

#	ARTICLE	IF	CITATIONS
559	Calcium Channel Blockers. , 2018, , 242-253.		1
560	INCREASED PULSE PRESSURE ASSOCIATED WITH A DECLINE IN BRAIN STRUCTURE AND FUNCTION. Journal of Hypertension, 2019, 37, e218-e219.	0.3	1
561	Lifetime cigarette smoking and later-life brain health: The population-based 1946 British Birth Cohort. Alzheimer's and Dementia, 2020, 16, e041111.	0.4	1
562	Effect of a Multicomponent Intervention on Antihypertensive Medication Intensification in Rural South Asia: Post Hoc Analysis of a Cluster RCT. American Journal of Hypertension, 2021, 34, 981-988.	1.0	1
563	Differential effects of left ventricular hypertrophy on coronary haemodynamics in aortic stenosis and hypertension. , 2021, , .		1
564	Life-course environment-wide association study (EWAS) for left ventricular diastolic dysfunction in the 1946 British birth cohort. , 2021, , .		1
565	Sex-related differences in whole brain volumes at age 70 in association with hyperglycemia during adult life. Neurobiology of Aging, 2021, 112, 161-169.	1.5	1
566	Limited value of pulse wave analysis in assessing arterial wave reflection and stiffness in the pulmonary artery. Physiological Reports, 2021, 9, e15024.	0.7	1
567	WAVE INTENSITY ANALYSIS. Journal of Hypertension, 2000, 18, S61.	0.3	1
568	One Pill, Four Questions: What we Still need to Know about Reducing Cardiovascular Risk with Combination Therapy. , 2014, , ED000079.		1
569	Antihypertensive Medication Use and Its Effects on Blood Pressure and Haemodynamics in a Tri-ethnic Population Cohort: Southall and Brent Revisited (SABRE). Frontiers in Cardiovascular Medicine, 2021, 8, 795267.	1.1	1
570	Declining Levels and Bioavailability of IGF-I in Cardiovascular Aging Associate With QT Prolongation—Results From the 1946 British Birth Cohort. Frontiers in Cardiovascular Medicine, 2022, 9, 863988.	1.1	1
571	Bayesian Nonparametric Modelling of Multiple Graphs with an Application to Ethnic Metabolic Differences. Journal of the Royal Statistical Society Series C: Applied Statistics, 2022, 71, 1181-1204.	0.5	1
572	The Effect of Vasodilator Peptides in vivo and in vitro in Man. Journal of Hypertension, 1986, 4, 796.	0.3	0
573	3 Differences Between Human Resistance and Conduit Arteries. Journal of Hypertension, 1987, 5, 762.	0.3	0
574	Peptides in human peripheral vasculature. Regulatory Peptides, 1988, 22, 434.	1.9	0
575	Using different CD-ROMs on the same non-dedicated workstation: some problems and solutions. Data Technologies and Applications, 1989, 23, 415-422.	0.8	0
576	AIF4-INHIBITS INFLUX OF Ca ²⁺ INTO VASCULAR SMOOTH MUSCLE CELLS. Biochemical Society Transactions, 1995, 23, 171S-171S.	1.6	0

#	ARTICLE	IF	CITATIONS
577	New Themes in Hypertension: Introduction. Journal of Human Hypertension, 1997, 11, 551-552.	1.0	0
578	25 Role of isoprenylation in the inhibitory action of lovastatin on proliferation of SV40 immortalized human saphenous vein smooth muscle cells. Biochemical Society Transactions, 1998, 26, S324-S324.	1.6	0
579	Introduction. Journal of Human Hypertension, 2000, 14, 359-359.	1.0	0
580	Multiple roles for rho kinase in cultured human vascular smooth muscle cells. American Journal of Hypertension, 2001, 14, A170.	1.0	0
581	Vascular tone. , 2002, , 3-32.		0
582	Hemodynamic determinants of carotid artery structure in essential hypertension. American Journal of Hypertension, 2004, 17, S131-S132.	1.0	0
583	Mo-P1:156 British South Asian men have more adverse plaque morphology despite equivalent atherosclerotic burden to white Europeans. Atherosclerosis Supplements, 2006, 7, 80.	1.2	0
584	Does the Difference in Realistic Waveform Before and After Stenting Affect Hemodynamics in Stenosed Coronary Artery?. , 2007, , 467.		0
585	Low Birth Weight and Retinal Vascular Caliber in Young Children: In Reply. Pediatrics, 2008, 121, 863-863.	1.0	0
586	The Relationship between Velocity and Cerebral Resistance during Vasomotor Reactivity Testing: Should We Report a Different Measurement?. Journal for Vascular Ultrasound, 2008, 32, 67-74.	0.2	0
587	Geometrical and Topological Analysis of Vascular Branches from Fundus Retinal Images. , 2009, , .		0
588	098â€¦Differential effects of hypertrophy secondary to hypertension and aortic stenosis on coronary haemodynamics. Heart, 2010, 96, A58.2-A59.	1.2	0
589	099â€¦Acute changes in coronary haemodynamic in patients undergoing transcatheter aortic valve implantation. Heart, 2010, 96, A59.1-A59.	1.2	0
590	127â€¦Why does primary angioplasty not work in observational studies when it works consistently in randomised controlled trials? an analysis of 51242 patients with ST elevation myocardial infarction. Heart, 2010, 96, A73.2-A74.	1.2	0
591	87 Optimisation of VV delay of CRT is more reproducible using peak velocities than using velocity time integral, as well as being quicker. Heart, 2011, 97, A50-A51.	1.2	0
592	85 Prediction of response to biventricular pacing from dyssynchrony indices: the absolute limit on predictability, and its clinical implications. Heart, 2011, 97, A49-A50.	1.2	0
593	9 IgG anti-malondialdehyde-LDL antibodies are associated with low risk of cardiovascular events in a substudy of the anglo-scandinavian cardiac outcomes trial (Ascot), and are unrelated To LDL, CRP levels and statin treatment. Heart, 2011, 97, e7-e7.	1.2	0
594	Response to Potency of Office Blood Pressure From Hydrochlorothiazide and Chlorthalidone Fails to Explain Cardiovascular Events. Hypertension, 2012, 60, .	1.3	0

#	ARTICLE	IF	CITATIONS
595	019â€¦Development and validation of a novel pressure-only intra-coronary index of coronary stenosis severity. <i>Heart</i> , 2012, 98, A13.1-A13.	1.2	0
596	Response to Letter Regarding Article, "Arterial Pulse Wave Dynamics After Percutaneous Aortic Valve Replacement: Fall in Coronary Diastolic Suction With Increasing Heart Rate as a Basis for Angina Symptoms in Aortic Stenosis" <i>Circulation</i> , 2012, 125, .	1.6	0
597	136â€¦Increase in left ventricular mass in type 2 diabetes is dependent on duration of diabetes. <i>Heart</i> , 2012, 98, A77.1-A77.	1.2	0
598	006â€¦Improvement in coronary blood flow with acute biventricular pacing is predominantly due to an increase in a diastolic backward-travelling decompression (suction) wave. <i>Heart</i> , 2012, 98, A7-A8.	1.2	0
599	DURATION OF DIABETES IS A SIGNIFICANT INDEPENDENT PREDICTOR OF ELEVATED LEFT VENTRICULAR MASS. <i>Journal of the American College of Cardiology</i> , 2012, 59, E1727.	1.2	0
600	TCT-231 Investigation of Fractional Flow Reserve Correlation with Direct Anatomical Parameters Using a Percutaneous Model of Coronary Artery Stenosis. <i>Journal of the American College of Cardiology</i> , 2012, 60, B67.	1.2	0
601	Instantaneous Wave-free Ratio Can Assess Improvement in Coronary Haemodynamics After Percutaneous Intervention. <i>American Journal of Cardiology</i> , 2013, 111, 100B.	0.7	0
602	The Effect of Adenosine on Coronary Microvascular Resistance Is More Consistent During the Diastolic Wave-free Period: Should We Continue to Use the Complete Cardiac Cycle for Stenosis Assessment?. <i>American Journal of Cardiology</i> , 2013, 111, 100B-101B.	0.7	0
603	First-in-man evidence of the mechanistic effects of biventricular pacing on coronary physiology. <i>Lancet</i> , The, 2013, 381, S62.	6.3	0
604	The Trans-stenotic Pressure Gradient During the Diastolic Wave-free Period Is Proportional to Flow: the Physiological Basis of the Instant-wave-free Ratio. <i>American Journal of Cardiology</i> , 2013, 111, 100B.	0.7	0
605	The Instant Wave-free Ratio, a Vasodilator Free Index, Provides Lower Microvascular Resistance Than That During Adenosine Mediated Fractional Flow Reserve in a Significant Proportion of Patients. <i>American Journal of Cardiology</i> , 2013, 111, 101B.	0.7	0
606	051 FRACTIONAL FLOW RESERVE AND THE INSTANT WAVE-FREE RATIO HAVE EQUIVALENT AGREEMENT WITH FLOW BASED INDICES ACROSS THE ENTIRE SPECTRUM OF STENOSIS SEVERITY RESULTS OF THE CLARIFY STUDY RESULTS OF CLARIFY. <i>Heart</i> , 2013, 99, A35.1-A35.	1.2	0
607	Response to A New Exercise Central Hemodynamics Paradigm: Time for Reflection or Expansion?. <i>Hypertension</i> , 2013, 62, e36.	1.3	0
608	107 THE EFFECT OF OBESITY ON AORTIC STIFFNESS IS AGE DEPENDANT. <i>Heart</i> , 2013, 99, A67.1-A67.	1.2	0
609	052 THE TRANS-STENOTIC PRESSURE GRADIENT DURING THE DIASTOLIC WAVE-FREE PERIOD IS PROPORTIONAL TO FLOW: THE PHYSIOLOGICAL BASIS OF THE INSTANT-WAVE-FREE RATIO. <i>Heart</i> , 2013, 99, A35.2-A35.	1.2	0
610	054 INSTANTANEOUS WAVE-FREE RATIO (IFR) CAN DETECT IMPROVEMENT IN CORONARY STENOSIS SEVERITY AFTER PERCUTANEOUS INTERVENTION. <i>Heart</i> , 2013, 99, A37.1-A37.	1.2	0
611	Response to editorial "Reproducibility of cardiopulmonary exercise test variables: getting into an additional strength of the test"™. <i>European Journal of Preventive Cardiology</i> , 2014, 21, 454-455.	0.8	0
612	The change in coronary flow after percutaneous coronary intervention in physiologically defined coronary stenoses. <i>Lancet</i> , The, 2014, 383, S76.	6.3	0

#	ARTICLE	IF	CITATIONS
613	OP68â€¦How is overweight/obesity across the life course associated with levels of adipokines, inflammatory and endothelial markers at age 60â€“64 years? Findings from the 1946 birth cohort. <i>Journal of Epidemiology and Community Health</i> , 2014, 68, A34.3-A35.	2.0	0
614	39â€¦Evidence that Haemodynamic Response to VV Delay Optimisation of Crt Devices May be Simply a Function of the Method of Programming AV Delay. <i>Heart</i> , 2014, 100, A21.2-A22.	1.2	0
615	44â€¦Signal-to-Noise Ratio During Haemodynamic Optimisation of AV Delay is Improved more by Atrial Pacing than by Increasing Heart Rate. <i>Heart</i> , 2015, 101, A25.2-A26.	1.2	0
616	OS 04-01 EXAGGERATED EXERCISE BLOOD PRESSURE IS ASSOCIATED WITH HIGHER LEFT VENTRICULAR MASS IN ADOLESCENCE. THE AVON LONGITUDINAL STUDY OF PARENTS AND CHILDREN. <i>Journal of Hypertension</i> , 2016, 34, e55.	0.3	0
617	[PP.11.05] RESERVOIR-PRESSURE ANALYSIS IN TYPE 2 DIABETES INDIVIDUALS WITH CARDIOVASCULAR DISEASE. <i>Journal of Hypertension</i> , 2016, 34, e178.	0.3	0
618	OS 07-03 PRINCIPAL FINDINGS OF THE INVASIVE BLOOD PRESSURE META-ANALYSIS CONSORTIUM (INSPECT) ON THE ACCURACY OF BRACHIAL CUFF BLOOD PRESSURE DEVICES. <i>Journal of Hypertension</i> , 2016, 34, e65-e66.	0.3	0
619	HIGH SERUM IMMUNOGLOBULIN G AND M LEVELS IMPROVE CARDIOVASCULAR RISK DISCRIMINATION IN HYPERTENSION: A NESTED CASE-CONTROL SUBSTUDY OF THE ANGLO-SCANDINAVIAN CARDIAC OUTCOMES TRIAL. <i>Journal of the American College of Cardiology</i> , 2016, 67, 1912.	1.2	0
620	[PP.19.32] RESERVOIR-PRESSURE ANALYSIS PREDICTS CARDIOVASCULAR EVENTS IN INDIVIDUALS WITH TYPE 2 DIABETES. <i>Journal of Hypertension</i> , 2017, 35, e248-e249.	0.3	0
621	P142 AORTIC ROOT STIFFNESS AND MECHANICAL PROPERTIES OF HEALTHY ADULTS. <i>Artery Research</i> , 2017, 20, 96.	0.3	0
622	1.2 MASKED HYPERTENSION IS REVEALED BY EXAGGERATED SUBMAXIMAL EXERCISE BLOOD PRESSURE AMONG ADOLESCENTS FROM THE AVON LONGITUDINAL STUDY OF PARENTS AND CHILDREN (ALSPAC). <i>Artery Research</i> , 2017, 20, 47.	0.3	0
623	P187 IN SEVERE AORTIC STENOSIS, DECREASED SYSTEMIC VASCULAR RESISTANCE IS ASSOCIATED WITH A LARGER, THICKER WALLED VENTRICLE EXCEPT FOR THE SEPTUM. <i>Artery Research</i> , 2017, 20, 107.	0.3	0
624	P77 NEAR INFRARED SPECTROSCOPY (NIRS) CAN DETECT DIFFERENCES IN MICROVASCULAR REACTIVE HYPERAEMIA IN THE PRESENCE OF HYPERTENSION. <i>Artery Research</i> , 2017, 20, 74.	0.3	0
625	ARTERIAL HEMODYNAMICS AND WAVE REFLECTIONS. <i>Artery Research</i> , 2017, 20, 46.	0.3	0
626	P122 CALCULATING RESERVOIR PRESSURE WITH OR WITHOUT FLOW INFORMATION: SIMILARITY AND ALGORITHMIC SENSITIVITY AT RADIAL ARTERY. <i>Artery Research</i> , 2017, 20, 78.	0.3	0
627	P165 HIGHER BLOOD PRESSURE IN YOUTH IS ATTRIBUTABLE TO A COMBINATION OF HIGHER CARDIAC OUTPUT AND HIGHER TOTAL PERIPHERAL RESISTANCE. <i>Artery Research</i> , 2017, 20, 82.	0.3	0
628	P177 ASSOCIATIONS OF AMBULATORY PULSE PRESSURE COMPONENTS WITH HIPPOCAMPAL VOLUME, WHITE MATTER HYPERINTENSITIES AND BRAIN INFARCTS. <i>Artery Research</i> , 2017, 20, 86.	0.3	0
629	P183 INCREASED ARTERIAL STIFFNESS IS ASSOCIATED WITH POORER LEFT VENTRICULAR STRUCTURE AND FUNCTION IN ADOLESCENCE. <i>Artery Research</i> , 2017, 20, 106.	0.3	0
630	Reply - Aortic Reservoir Pressure - not overstretching but testing. <i>Journal of Hypertension</i> , 2018, 36, 964-965.	0.3	0

#	ARTICLE	IF	CITATIONS
631	TCT-153 Reducing the need for invasive pressure wire assessment in patients using a novel angiographic scoring tool. <i>Journal of the American College of Cardiology</i> , 2018, 72, B65-B66.	1.2	0
632	21â€¦Proximal but not distal aortic stiffness explains blood pressure reduction associated with exercise training for a first time marathon. , 2018, , .		0
633	P125 ESTIMATION OF MEAN ARTERIAL PRESSURE IN NON-INVASIVE STUDIES. <i>Artery Research</i> , 2018, 24, 115.	0.3	0
634	2.8 RELATIONSHIPS BETWEEN ADIPOSITY AND LEFT VENTRICULAR FUNCTION IN ADOLESCENTS: MEDIATION BY BLOOD PRESSURE AND OTHER CARDIOVASCULAR MEASURES. <i>Artery Research</i> , 2018, 24, 71.	0.3	0
635	A17826 Cuff blood pressure is progressively more biased with increasing age. <i>Journal of Hypertension</i> , 2018, 36, e246.	0.3	0
636	PARAMETERS DERIVED FROM RESERVOIR PRESSURE ANALYSIS INDEPENDENTLY PREDICT CARDIOVASCULAR EVENTS IN A MULTI-CENTRE STUDY OF INDIVIDUALS WITH TYPE 2 DIABETES. <i>Journal of Hypertension</i> , 2018, 36, e286-e287.	0.3	0
637	Hypertensive Disorders During Pregnancy and Offspring Retinal Microvasculature During Adolescence. <i>Journal of the American College of Cardiology</i> , 2018, 72, 1318-1320.	1.2	0
638	133DEPRESSIVE SYMPTOMS ARE ASSOCIATED WITH PERCEIVED, NOT OBJECTIVE, EXERTION DURING EXERCISE IN EUROPEAN, INDIAN ASIAN AND AFRICAN-CARIBBEAN GROUPS. <i>Age and Ageing</i> , 2019, 48, i38-i38.	0.7	0
639	Response to â€œDoes smoking or alcohol cause early vascular damage in teenage years?â€™. <i>European Heart Journal</i> , 2019, 40, 3497-3497.	1.0	0
640	Improving haemodynamic optimization of cardiac resynchronization therapy for heart failure. <i>Physiological Measurement</i> , 2019, 40, 04NT01.	1.2	0
641	11â€¦Novice marathon training reverses vascular ageing. , 2019, , .		0
642	ALTERED CENTRAL HAEMODYNAMIC PARAMETERS DERIVED FROM RESERVOIR PRESSURE ANALYSIS. <i>Journal of Hypertension</i> , 2019, 37, e307.	0.3	0
643	Association between depressive symptoms and perceived exertion during exercise: observational population-based cohort study of European, Indian Asian, and African-Caribbean older adults. <i>Lancet, The</i> , 2019, 394, S62.	6.3	0
644	Subclinical macro and microvascular disease is differently associated with depressive symptoms in men and women: Findings from the SABRE population-based study. <i>Atherosclerosis</i> , 2020, 312, 35-42.	0.4	0
645	Vascular risk factors and amyloid pathology: Additive or interactive associations?. <i>Alzheimer's and Dementia</i> , 2020, 16, e037922.	0.4	0
646	Midâ€¦life blood pressure and microstructural white matter: Findings from the 1946 British birth cohort. <i>Alzheimer's and Dementia</i> , 2020, 16, e045707.	0.4	0
647	Reply. <i>Journal of the American College of Cardiology</i> , 2020, 75, 2278-2279.	1.2	0
648	Angiographic Functional Scoring of Coronary Artery Disease Predicts Mortality in Patients With Severe Aortic Stenosis Undergoing TAVR. <i>Cardiovascular Revascularization Medicine</i> , 2020, 21, 1336-1342.	0.3	0

#	ARTICLE	IF	CITATIONS
649	Medical Curriculum: How Do We Manage Incidental Findings in Educational Settings?. Medical Science Educator, 2021, 31, 893-895.	0.7	0
650	ELEVATED EXCESS PRESSURE INTEGRAL IS ASSOCIATED WITH VASCULAR BIOMARKERS OF SUBCLINICAL ATHEROSCLEROSIS IN OLDER ADULTS. Journal of Hypertension, 2021, 39, e314.	0.3	0
651	SUBSTANTIAL CHANGES IN CARDIOVASCULAR HEALTH OCCUR FROM ADOLESCENCE TO EMERGING ADULTHOOD. Journal of Hypertension, 2021, 39, e4.	0.3	0
652	182â€¦Tissue doppler Eâ€™™ velocity and E/eâ€™™ predict 19-year cardiovascular mortality in hypertension. , 2021, , .		0
653	93â€¦Insulin resistance is associated with QT prolongation in the 1946 british birth cohort. , 2021, , .		0
654	191â€¦Associations of non-alcoholic fatty liver disease with subclinical atherosclerosis and echocardiography measurements in young adults. , 2021, , .		0
655	190â€¦Association between carotid distensibility and heart rate variability in older age. , 2021, , .		0
656	The Relationship Between Oxygen Uptake and the Rate of Myocardial Deformation During Exercise. Bioengineered, 2021, 10, 85-93.	1.4	0
657	Childhood Bradycardia Associates With Atrioventricular Conduction Defects in Older Age: A Longitudinal Birth Cohort Study. Journal of the American Heart Association, 2021, 10, e021877.	1.6	0
658	1517The effect of pregnancy on cardiovascular health in early adulthood: a difference in difference analysis. International Journal of Epidemiology, 2021, 50, .	0.9	0
659	REGULATION OF P38 MITOGEN ACTIVATED PROTEIN KINASE BY CALCIUM INFLUX IN HUMAN VASCULAR SMOOTH MUSCLE CELLS. Journal of Hypertension, 2004, 22, S76-S77.	0.3	0
660	DOUBLING OF ISOPROSTANE FORMATION IN A LARGE COHORT OF HYPERTENSIVE PATIENTS DESPITE OPTIMAL MEDICAL MANAGEMENT.. Journal of Hypertension, 2004, 22, S43.	0.3	0
661	VASCULAR GEOMETRY RECONSTRUCTION WITH 3D ULTRASOUND, APPLIED TO ANTHROPOMORPHIC PHANTOMS MODELS. Journal of Hypertension, 2004, 22, S13.	0.3	0
662	HYPO-OSMOTIC SWELLING-INDUCED CONTRACTION OF RAT TAIL ARTERIES INVOLVES CAV1.2 CALCIUM CHANNELS AND PROTEIN TYROSINE KINASE. Journal of Hypertension, 2004, 22, S203-S204.	0.3	0
663	TISSUE TRANSGLUTAMINASE AND PHOSPHOLIPASE C-DELTA 1 ARE COMPLEXED IN HUMAN VASCULAR SMOOTH MUSCEL CELLS AFTER SERUM DEPRIVATION. Journal of Hypertension, 2004, 22, S351.	0.3	0
664	DIFFERENTIAL EFFECTS OF ANTIHYPERTENSIVE DRUGS ON VASCULAR STRUCTURE. Journal of Hypertension, 2004, 22, S201.	0.3	0
665	THE EFFECT OF SALT INTAKE ON ARTERIO-VENTRICULAR FUNCTION AND WAVE REFLECTION IN THE CAROTID ARTERY. Journal of Hypertension, 2004, 22, S299.	0.3	0
666	APPLICATION OF ULTRASOUND-BASED COMPUTATIONAL FLUID DYNAMICS TO MODELING BLOOD FLOW IN THE CAROTID BIFURCATION. , 2005, , 109-156.		0

#	ARTICLE	IF	CITATIONS
667	Numerical Simulation of Blood-Wall Albumin Transport in a Realistic Human Right Coronary Artery. , 2007, , .		0
668	Augmentation of Coronary Blood Flow in Systole by Reflected Waves in the Proximal Aorta. IFMBE Proceedings, 2009, , 61-64.	0.2	0
669	Thiazide Diuretics. , 2009, , 555-561.		0
670	004â€¦Simultaneous invasive pressure and flow measurements during atrioventricular delay improvement reveal a compensatory peripheral vasodilator response which attenuates the initial blood pressure increment: implications for the design of optimisation protocols: Abstract 004 Figure 1. Heart, 2012, 98, A5.2-A6.	1.2	0
671	137â€¦Time for a review of the â€œwatch and waitâ€•strategy for young borderline-hypertensives?. Heart, 2012, 98, A77.2-A77.	1.2	0
672	456-P: The REMOVAL Trial: Effect of Metformin on Markers of Cardiometabolic Risk in Patients with Type 1 Diabetes. Diabetes, 2019, 68, 456-P.	0.3	0
673	490-P: Renal Effects of Metformin in Type 1 Diabetes (T1D): The REMOVAL Trial. Diabetes, 2020, 69, .	0.3	0
674	OP21â€¦Inequalities in the prevalence and development of multimorbidity across adulthood: findings from the 1946 national survey of health & development. , 2020, , .		0
675	12â€¦Myocardial inflammation and diffuse fibrosis underpin the electrophysiological derangements of the ageing human heartâ€“A CMR-ECGI study. , 2021, , .		0
676	11â€¦A medical device-grade T2 phantom for quality assurance of inflammation imaging by CMR. , 2021, , .		0
677	Report from the Annual Conference of the British Society of Echocardiography, October 2018, ACC Liverpool, Liverpool. Echo Research and Practice, 2020, 7, M1.	0.6	0
678	YI 1.2 Ideal Cardiovascular Health Score Declines from Adolescence to Emerging Adulthood. Artery Research, 2020, 26, S2-S2.	0.3	0
679	Cardiovascular disease recurrence and long-term mortality in a tri-ethnic British cohort: a retrospective study. European Heart Journal, 2020, 41, .	1.0	0
680	Associations between life-course frailty and later-life heart size and function in the 1946 NSHD British birth cohort-an epidemiological study. European Heart Journal, 2020, 41, .	1.0	0
681	Associations between high blood pressure and DNA methylation. , 2020, 15, e0227728.		0
682	Associations between high blood pressure and DNA methylation. , 2020, 15, e0227728.		0
683	Associations between high blood pressure and DNA methylation. , 2020, 15, e0227728.		0
684	Associations between high blood pressure and DNA methylation. , 2020, 15, e0227728.		0

#	ARTICLE	IF	CITATIONS
685	Associations between high blood pressure and DNA methylation. , 2020, 15, e0227728.		0
686	Associations between high blood pressure and DNA methylation. , 2020, 15, e0227728.		0