

Alun D Hughes

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/206713/alun-d-hughes-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

628
papers

19,850
citations

70
h-index

119
g-index

750
ext. papers

23,032
ext. citations

5.4
avg, IF

6.51
L-index

#	Paper	IF	Citations
628	Multiphysics Modelling and Simulation of Thrombolysis via Activated Platelet-Targeted Nanomedicine.. <i>Pharmaceutical Research</i> , 2022 , 39, 41	4.5	0
627	Glycoprotein Acetyls: A Novel Inflammatory Biomarker of Early Cardiovascular Risk in the Young.. <i>Journal of the American Heart Association</i> , 2022 , 11, e024380	6	1
626	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	10.3	1
625	Impact of afterload and infiltration on coexisting aortic stenosis and transthyretin amyloidosis. <i>Heart</i> , 2022 , 108, 67-72	5.1	0
624	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.. <i>Frontiers in Physiology</i> , 2022 , 13, 866045	4.6	
623	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	11.4	1
622	Study protocol: MyoFit46-the cardiac sub-study of the MRC National Survey of Health and Development.. <i>BMC Cardiovascular Disorders</i> , 2022 , 22, 140	2.3	0
621	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	3	0
620	Declining Levels and Bioavailability of IGF-I in Cardiovascular Aging Associate With QT Prolongation-Results From the 1946 British Birth Cohort.. <i>Frontiers in Cardiovascular Medicine</i> , 2022 , 9, 863988	5.4	0
619	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 , e019183	6	0
618	Association between carotid atherosclerosis and brain activation patterns during the Stroop task in older adults: An fNIRS investigation. <i>NeuroImage</i> , 2022 , 257, 119302	7.9	0
617	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	3.9	2
616	Antihypertensive Medication Use and Its Effects on Blood Pressure and Haemodynamics in a Tri-ethnic Population Cohort: Southall and Brent Revisited (SABRE).. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 795267	5.4	
615	Excess pressure as an analogue of blood flow velocity. <i>Journal of Hypertension</i> , 2021 , 39, 421-427	1.9	0
614	Pre-existing polymerase-specific T cells expand in abortive seronegative SARS-CoV-2. <i>Nature</i> , 2021 ,	50.4	49
613	Cholesteryl ester transfer protein (CETP) as a drug target for cardiovascular disease. <i>Nature Communications</i> , 2021 , 12, 5640	17.4	7
612	Validation of lipid-related therapeutic targets for coronary heart disease prevention using human genetics. <i>Nature Communications</i> , 2021 , 12, 6120	17.4	2

611	Metabolic profiles of socio-economic position: a multi-cohort analysis. <i>International Journal of Epidemiology</i> , 2021 , 50, 768-782	7.8	3
610	Physiological and clinical insights from reservoir-excess pressure analysis. <i>Journal of Human Hypertension</i> , 2021 , 35, 758-768	2.6	2
609	Longitudinal birth cohort study finds that life-course frailty associates with later-life heart size and function. <i>Scientific Reports</i> , 2021 , 11, 6272	4.9	2
608	Puberty timing and markers of cardiovascular structure and function at 25 years: a prospective cohort study. <i>BMC Medicine</i> , 2021 , 19, 78	11.4	1
607	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	3	20
606	Study Protocol: The Heart and Brain Study. <i>Frontiers in Physiology</i> , 2021 , 12, 643725	4.6	1
605	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	6.7	3
604	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	9.4	4
603	ELEVATED EXCESS PRESSURE INTEGRAL IS ASSOCIATED WITH VASCULAR BIOMARKERS OF SUBCLINICAL ATHEROSCLEROSIS IN OLDER ADULTS. <i>Journal of Hypertension</i> , 2021 , 39, e314	1.9	
602	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	5.1	4
601	SUBSTANTIAL CHANGES IN CARDIOVASCULAR HEALTH OCCUR FROM ADOLESCENCE TO EMERGING ADULTHOOD. <i>Journal of Hypertension</i> , 2021 , 39, e4	1.9	
600	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	4.6	0
599	Prognostic Value of Pulmonary Transit Time and Pulmonary Blood Volume Estimation Using Myocardial Perfusion CMR. <i>JACC: Cardiovascular Imaging</i> , 2021 , 14, 2107-2119	8.4	1
598	Effect of a Multicomponent Intervention on Antihypertensive Medication Intensification in Rural South Asia: Post Hoc Analysis of a Cluster RCT. <i>American Journal of Hypertension</i> , 2021 , 34, 981-988	2.3	1
597	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	5.1	29
596	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	3.2	1
595	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	3.7	0
594	Fibrinogen-mimicking, multiarm nanovesicles for human thrombus-specific delivery of tissue plasminogen activator and targeted thrombolytic therapy. <i>Science Advances</i> , 2021 , 7,	14.3	7

593	Reservoir-Excess Pressure Parameters Independently Predict Cardiovascular Events in Individuals With Type 2 Diabetes. <i>Hypertension</i> , 2021 , 78, 40-50	8.5	2
592	Feasibility and Validity of Computed Tomography-Derived Fractional Flow Reserve in Patients With Severe Aortic Stenosis: The CAST-FFR Study. <i>Circulation: Cardiovascular Interventions</i> , 2021 , 14, e009586 ⁶		11
591	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	3.8	2
590	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	2.2	0
589	Determinants of Intima-Media Thickness in the Young: The ALSPAC Study. <i>JACC: Cardiovascular Imaging</i> , 2021 , 14, 468-478	8.4	14
588	Identifying Isolated Systolic Hypertension From Upper-Arm Cuff Blood Pressure Compared With Invasive Measurements. <i>Hypertension</i> , 2021 , 77, 632-639	8.5	1
587	Sex differences in the contribution of different physiological systems to physical function in older adults. <i>GeroScience</i> , 2021 , 43, 443-455	8.9	1
586	The Relationship Between Oxygen Uptake and the Rate of Myocardial Deformation During Exercise. <i>Bioengineered</i> , 2021 , 10, 85-93	5.7	
585	Childhood Bradycardia Associates With Atrioventricular Conduction Defects in Older Age: A Longitudinal Birth Cohort Study. <i>Journal of the American Heart Association</i> , 2021 , 10, e021877	6	
584	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	11.6	3
583	Genomic and phenotypic insights from an atlas of genetic effects on DNA methylation. <i>Nature Genetics</i> , 2021 , 53, 1311-1321	36.3	27
582	Sex-related differences in whole brain volumes at age 70 in association with hyperglycemia during adult life.. <i>Neurobiology of Aging</i> , 2021 , 112, 161-169	5.6	0
581	Limited value of pulse wave analysis in assessing arterial wave reflection and stiffness in the pulmonary artery. <i>Physiological Reports</i> , 2021 , 9, e15024	2.6	
580	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, The</i> , 2021 , 2, e508-e517	22.2	9
579	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	5.4	1
578	Vascular risk factors and amyloid pathology: Additive or interactive associations?. <i>Alzheimer's and Dementia</i> , 2020 , 16, e037922	1.2	
577	Lifetime cigarette smoking and later-life brain health: The population-based 1946 British Birth Cohort. <i>Alzheimer's and Dementia</i> , 2020 , 16, e041111	1.2	
576	Mid-life blood pressure and microstructural white matter: Findings from the 1946 British birth cohort. <i>Alzheimer's and Dementia</i> , 2020 , 16, e045707	1.2	

575	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	9.5	9
574	Recreational marathon running does not cause exercise-induced left ventricular hypertrabeculation. <i>International Journal of Cardiology</i> , 2020 , 315, 67-71	3.2	4
573	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	3	2
572	Reply: Rejuvenating Pheidippides and the Evergreen Benefits of Endurance Training. <i>Journal of the American College of Cardiology</i> , 2020 , 75, 2278-2279	15.1	
571	Acute Effects of Transcatheter Aortic Valve Replacement on Central Aortic Hemodynamics in Patients With Severe Aortic Stenosis. <i>Hypertension</i> , 2020 , 75, 1557-1564	8.5	6
570	Weight Loss After Bariatric Surgery Significantly Improves Carotid and Cardiac Function in Apparently Healthy People with Morbid Obesity. <i>Obesity Surgery</i> , 2020 , 30, 3776-3783	3.7	6
569	The modified arterial reservoir: An update with consideration of asymptotic pressure () and zero-flow pressure (). <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2020 , 234, 1288-1299	1.7	9
568	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	4.6	6
567	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	6	13
566	The association between anthropometric measures of adiposity and the progression of carotid atherosclerosis. <i>BMC Cardiovascular Disorders</i> , 2020 , 20, 138	2.3	4
565	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 ^{1.6}		
564	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	4.6	3
563	Influence of Age on Upper Arm Cuff Blood Pressure Measurement. <i>Hypertension</i> , 2020 , 75, 844-850	8.5	15
562	Associations between high blood pressure and DNA methylation. <i>PLoS ONE</i> , 2020 , 15, e0227728	3.7	18
561	Cardiovascular Remodeling Experienced by Real-World, Unsupervised, Young Novice Marathon Runners. <i>Frontiers in Physiology</i> , 2020 , 11, 232	4.6	6
560	Yoga-Based Cardiac Rehabilitation After Acute Myocardial Infarction: A Randomized Trial. <i>Journal of the American College of Cardiology</i> , 2020 , 75, 1551-1561	15.1	25
559	Sex and regional differences in myocardial plasticity in aortic stenosis are revealed by 3D model machine learning. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 417-427	4.1	5
558	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	3.9	9

557	Study Protocol - Insight 46 Cardiovascular: A Sub-study of the MRC National Survey of Health and Development. <i>Artery Research</i> , 2020 , 26, 170-179	2.2	1
556	Covid-19 Effects on ARTERial Stiffness and Vascular AgeiNg: CARTESIAN Study Rationale and Protocol.. <i>Artery Research</i> , 2020 , 27, 59	2.2	9
555	490-P: Renal Effects of Metformin in Type 1 Diabetes (T1D): The REMOVAL Trial. <i>Diabetes</i> , 2020 , 69, 490-499		
554	Modelling ethnic differences in the distribution of insulin resistance via Bayesian nonparametric processes: an application to the SABRE cohort study. <i>International Journal of Biostatistics</i> , 2020 , 17, 153-164	1.3	0
553	Report from the Annual Conference of the British Society of Echocardiography, October 2018, ACC Liverpool, Liverpool. <i>Echo Research and Practice</i> , 2020 , 7, M1	2	
552	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	2.3	5
551	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	3.6	1
550	Training for a First-Time Marathon Reverses Age-Related Aortic Stiffening. <i>Journal of the American College of Cardiology</i> , 2020 , 75, 60-71	15.1	22
549	Type 2 diabetes does not account for ethnic differences in exercise capacity or skeletal muscle function in older adults. <i>Diabetologia</i> , 2020 , 63, 624-635	10.3	2
548	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	6	1
547	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	7.8	7
546	Mechanisms of Aortic Flow Deceleration and the Effect of Wave Reflection on Left Ventricular Function. <i>Frontiers in Physiology</i> , 2020 , 11, 578701	4.6	1
545	Cuff Under Pressure for Greater Accuracy. <i>Current Hypertension Reports</i> , 2020 , 22, 93	4.7	1
544	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	3.1	
543	Age-specific reference values for carotid arterial stiffness estimated by ultrasonic wall tracking. <i>Journal of Human Hypertension</i> , 2020 , 34, 214-222	2.6	18
542	Associations between family history and coronary artery calcium and coronary heart disease in British Europeans and South Asians. <i>International Journal of Cardiology</i> , 2020 , 300, 39-42	3.2	5
541	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	4.6	8
540	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	4.1	9

539	Associations between high blood pressure and DNA methylation 2020 , 15, e0227728		
538	Associations between high blood pressure and DNA methylation 2020 , 15, e0227728		
537	Associations between high blood pressure and DNA methylation 2020 , 15, e0227728		
536	Associations between high blood pressure and DNA methylation 2020 , 15, e0227728		
535	Associations between high blood pressure and DNA methylation 2020 , 15, e0227728		
534	Associations between high blood pressure and DNA methylation 2020 , 15, e0227728		
533	Identification of Distinct Arterial Waveform Clusters and a Longitudinal Evaluation of Their Clinical Usefulness. <i>Hypertension</i> , 2019 , 74, 921-928	8.5	4
532	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	2.4	3
531	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	3.9	43
530	Response to 'Does smoking or alcohol cause early vascular damage in teenage years?'. <i>European Heart Journal</i> , 2019 , 40, 3497	9.5	
529	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	5.2	13
528	Development of a Yoga-Based Cardiac Rehabilitation (Yoga-CaRe) Programme for Secondary Prevention of Myocardial Infarction. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019 , 2019, 7470184	2.3	9
527	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	14.5	25
526	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	3.7	23
525	Cortical cerebral blood flow in ageing: effects of haematocrit, sex, ethnicity and diabetes. <i>European Radiology</i> , 2019 , 29, 5549-5558	8	14
524	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	1.2	15
523	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	4.6	4
522	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,	6.4	8

521	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	5	2
520	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	9.5	30
519	Improving haemodynamic optimization of cardiac resynchronization therapy for heart failure. <i>Physiological Measurement</i> , 2019 , 40, 04NT01	2.9	
518	Multicenter Randomized Controlled Crossover Trial Comparing Hemodynamic Optimization Against Echocardiographic Optimization of AV and VV Delay of Cardiac Resynchronization Therapy: The BRAVO Trial. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 1407-1416	8.4	9
517	Prognostic implications of left ventricular strain by speckle-tracking echocardiography in the general population: a meta-analysis. <i>Vascular Health and Risk Management</i> , 2019 , 15, 229-251	4.4	14
516	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	4.9	7
515	133 DEPRESSIVE 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	3	
514	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	4.6	4
513	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	5.4	4
512	Automatic optic disc detection in colour fundus images by means of multispectral analysis and information content. <i>PeerJ</i> , 2019 , 7, e7119	3.1	5
511	456-P: The REMOVAL Trial: Effect of Metformin on Markers of Cardiometabolic Risk in Patients with Type 1 Diabetes. <i>Diabetes</i> , 2019 , 68, 456-P	0.9	
510	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	11.7	39
509	ALTERED CENTRAL HAEMODYNAMIC PARAMETERS DERIVED FROM RESERVOIR PRESSURE ANALYSIS. <i>Journal of Hypertension</i> , 2019 , 37, e307	1.9	
508	INCREASED PULSE PRESSURE ASSOCIATED WITH A DECLINE IN BRAIN STRUCTURE AND FUNCTION. <i>Journal of Hypertension</i> , 2019 , 37, e218-e219	1.9	1
507	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	3	11
506	Lipoprotein signatures of cholesteryl ester transfer protein and HMG-CoA reductase inhibition. <i>PLoS Biology</i> , 2019 , 17, e3000572	9.7	15
505	Application of the DILEMMA score to improve lesion selection for invasive physiological assessment. <i>Catheterization and Cardiovascular Interventions</i> , 2019 , 94, E96-E103	2.7	8
504	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	3.2	14

503	Effects of bariatric surgery on retinal microvascular architecture in obese patients. <i>International Journal of Obesity</i> , 2019 , 43, 1675-1680	5.5	7
502	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	4.1	28
501	Early vascular damage from smoking and alcohol in teenage years: the ALSPAC study. <i>European Heart Journal</i> , 2019 , 40, 345-353	9.5	25
500	Submaximal exercise blood pressure and cardiovascular structure in adolescence. <i>International Journal of Cardiology</i> , 2019 , 275, 152-157	3.2	3
499	Birth weight and cardiac function assessed by echocardiography in adolescence: Avon Longitudinal Study of Parents and Children. <i>Ultrasound in Obstetrics and Gynecology</i> , 2019 , 54, 225-231	5.8	5
498	Reply - Aortic Reservoir Pressure - not overstretching but testing. <i>Journal of Hypertension</i> , 2018 , 36, 964-965		
497	The contribution of obesity to carotid atherosclerotic plaque burden in a general population sample in Norway: The Tromsø Study. <i>Atherosclerosis</i> , 2018 , 273, 15-20	3.1	6
496	Genetic variants in PPARGC1B and CNTN4 are associated with thromboxane A formation and with cardiovascular event free survival in the Anglo-Scandinavian Cardiac Outcomes Trial (ASCOT). <i>Atherosclerosis</i> , 2018 , 269, 42-49	3.1	2
495	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	9.5	10
494	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,	6	3
493	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	4.1	9
492	Nitric Oxide Attenuates Arterial Pulse Wave Reflection in a Vasodilator Responding Pulmonary Arterial Hypertension Patient. <i>Circulation: Cardiovascular Interventions</i> , 2018 , 11, e006242	6	6
491	Assessing the causal role of body mass index on cardiovascular health in young adults: Mendelian randomization and recall-by-genotype analyses. <i>Circulation</i> , 2018 , 138, 2187-2201	16.7	34
490	Calcium Channel Blockers 2018 , 242-253		1
489	Patterns of adiposity, vascular phenotypes and cognitive function in the 1946 British Birth Cohort. <i>BMC Medicine</i> , 2018 , 16, 75	11.4	11
488	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	3.1	14
487	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	5.2	8
486	Prognostic implications of left ventricular strain by speckle-tracking echocardiography in population-based studies: a systematic review protocol of the published literature. <i>BMJ Open</i> , 2018 , 8, e023346	3	4

485	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	4.8	24
484	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	4.8	20
483	Bullseye's representation of cerebral white matter hyperintensities. <i>Journal of Neuroradiology</i> , 2018 , 45, 114-122	3.1	19
482	Sex Dimorphism in the Myocardial Response to Aortic Stenosis. <i>JACC: Cardiovascular Imaging</i> , 2018 , 11, 962-973	8.4	51
481	P125 ESTIMATION OF MEAN ARTERIAL PRESSURE IN NON-INVASIVE STUDIES. <i>Artery Research</i> , 2018 , 24, 115	2.2	
480	A17826 Cuff blood pressure is progressively more biased with increasing age. <i>Journal of Hypertension</i> , 2018 , 36, e246	1.9	
479	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	1.9	
478	Associations between High Blood Pressure and DNA Methylation. <i>Journal of Clinical Epigenetics</i> , 2018 , 04,		1
477	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	2.2	2
476	Sex-specific trajectories of measures of cardiovascular health during childhood and adolescence: A prospective cohort study. <i>Atherosclerosis</i> , 2018 , 278, 190-196	3.1	32
475	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	5.3	27
474	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	8.5	10
473	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	6	14
472	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	6	9
471	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	2.9	10
470	Hypertensive Disorders During Pregnancy and Offspring Retinal Microvasculature During Adolescence. <i>Journal of the American College of Cardiology</i> , 2018 , 72, 1318-1320	15.1	
469	Semiautomatic Vendor Independent Software for Assessment of Local Arterial Stiffness 2018 ,		1
468	Distinct impacts of heart rate and right atrial-pacing on left atrial mechanical activation and optimal AV delay in CRT. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2018 , 41, 959	1.6	2

467	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	5.6	4
466	Arterial waveform parameters in a large, population-based sample of adults: relationships with ethnicity and lifestyle factors. <i>Journal of Human Hypertension</i> , 2017 , 31, 305-312	2.6	3
465	Validation of non-invasive central blood pressure devices: ARTERY Society task force consensus statement on protocol standardization. <i>European Heart Journal</i> , 2017 , 38, 2805-2812	9.5	126
464	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,	6	9
463	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, 75-80	2.2	29
462	Circulating MicroRNA-122 Is Associated With the Risk of New-Onset Metabolic Syndrome and Type 2 Diabetes. <i>Diabetes</i> , 2017 , 66, 347-357	0.9	141
461	Reservoir pressure analysis of aortic blood pressure: an in-vivo study at five locations in humans. <i>Journal of Hypertension</i> , 2017 , 35, 2025-2033	1.9	18
460	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	18.1	177
459	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, 29-35	2.2	12
458	Metformin in adults with type 1 diabetes: Design and methods of REducing with MetFORmin Vascular Adverse Lesions (REMOVAL): An international multicentre trial. <i>Diabetes, Obesity and Metabolism</i> , 2017 , 19, 509-516	6.7	24
457	A Mock Circulatory System Incorporating a Compliant 3D-Printed Anatomical Model to Investigate Pulmonary Hemodynamics. <i>Artificial Organs</i> , 2017 , 41, 637-646	2.6	19
456	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,	6	41
455	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,	6	25
454	Non-invasive Technique for Determining Local PWV in the Human Ascending Aorta 2017 ,		4
453	Relations of Demographic and Clinical Factors With Cardiovascular Autonomic Function in a Population-Based Study: An Assessment By Quantile Regression. <i>American Journal of Hypertension</i> , 2017 , 31, 53-62	2.3	1
452	Cardiac resynchronization therapy: mechanisms of action and scope for further improvement in cardiac function. <i>Europace</i> , 2017 , 19, 1178-1186	3.9	29
451	Accuracy of Cuff-Measured Blood Pressure: Systematic Reviews and Meta-Analyses. <i>Journal of the American College of Cardiology</i> , 2017 , 70, 572-586	15.1	109
450	[PP.19.32] RESERVOIR-PRESSURE ANALYSIS PREDICTS CARDIOVASCULAR EVENTS IN INDIVIDUALS WITH TYPE 2 DIABETES. <i>Journal of Hypertension</i> , 2017 , 35, e248-e249	1.9	

449	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	3.9	7
448	Validation of non-invasive central blood pressure devices: Artery society task force (abridged) consensus statement on protocol standardization. <i>Artery Research</i> , 2017 , 20, 35	2.2	6
447	The fractal heart - embracing mathematics in the cardiology clinic. <i>Nature Reviews Cardiology</i> , 2017 , 14, 56-64	14.8	36
446	P142 AORTIC ROOT STIFFNESS AND MECHANICAL PROPERTIES OF HEALTHY ADULTS. <i>Artery Research</i> , 2017 , 20, 96	2.2	
445	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	2.2	
444	3.4 RESERVOIR PRESSURE SEPARATION AT BRACHIAL, CAROTID AND RADIAL ARTERIES: A QUANTITATIVE COMPARISON AND EVALUATION. <i>Artery Research</i> , 2017 , 20, 54	2.2	1
443	5.5 IMPACT OF PULMONARY ENDARTERECTOMY ON PULMONARY ARTERIAL WAVE PROPAGATION AND RESERVOIR FUNCTION. <i>Artery Research</i> , 2017 , 20, 60	2.2	2
442	P122 CALCULATING RESERVOIR PRESSURE WITH OR WITHOUT FLOW INFORMATION: SIMILARITY AND ALGORITHMIC SENSITIVITY AT RADIAL ARTERY. <i>Artery Research</i> , 2017 , 20, 78	2.2	
441	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	2.2	
440	Assessment of Exercise Capacity and Oxygen Consumption Using a 6 min Stepper Test in Older Adults. <i>Frontiers in Pharmacology</i> , 2017 , 8, 408	5.6	10
439	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	4.6	16
438	Large-scale genome-wide analysis identifies genetic variants associated with cardiac structure and function. <i>Journal of Clinical Investigation</i> , 2017 , 127, 1798-1812	15.9	68
437	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, 1091-1102	7.8	20
436	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	8.8	30
435	Association of Retinopathy and Retinal Microvascular Abnormalities With Stroke and Cerebrovascular Disease. <i>Stroke</i> , 2016 , 47, 2862-2864	6.7	32
434	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	1.9	
433	Midlife blood pressure predicts future diastolic dysfunction independently of blood pressure. <i>Heart</i> , 2016 , 102, 1380-7	5.1	10
432	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	1.9	

431	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, 257-63	3.2	6
430	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	3.3	5
429	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, 252-61	7.9	21
428	Metabolomic Profiling of Statin Use and Genetic Inhibition of HMG-CoA Reductase. <i>Journal of the American College of Cardiology</i> , 2016 , 67, 1200-1210	15.1	106
427	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, H619-27	5.2	9
426	Attenuation of reflected waves in man during retrograde propagation from femoral artery to proximal aorta. <i>International Journal of Cardiology</i> , 2016 , 202, 441-5	3.2	13
425	Feasibility of cardiovascular magnetic resonance derived coronary wave intensity analysis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016 , 18, 93	6.9	5
424	Circulating Apolipoprotein E Concentration and Cardiovascular Disease Risk: Meta-analysis of Results from Three Studies. <i>PLoS Medicine</i> , 2016 , 13, e1002146	11.6	27
423	Life Course Socioeconomic Position: Associations with Cardiac Structure and Function at Age 60-64 Years in the 1946 British Birth Cohort. <i>PLoS ONE</i> , 2016 , 11, e0152691	3.7	7
422	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, 6328953	3.9	12
421	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, 282-9	1.9	14
420	Hypertensive Disorders of Pregnancy and Offspring Cardiac Structure and Function in Adolescence. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	34
419	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	3.1	4
418	Circulating microRNA-122 is associated with incident metabolic syndrome and type-2 diabetes. <i>Atherosclerosis</i> , 2016 , 252, e263	3.1	2
417	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, 25-33	2.2	80
416	A review of wave mechanics in the pulmonary artery with an emphasis on wave intensity analysis. <i>Acta Physiologica</i> , 2016 , 218, 239-249	5.6	11
415	Mechanisms of Myocardial Ischemia in Hypertrophic Cardiomyopathy: Insights From Wave Intensity Analysis and Magnetic Resonance. <i>Journal of the American College of Cardiology</i> , 2016 , 68, 1651-1660	15.1	56
414	Ethnic differences in cross-sectional associations between impaired glucose regulation, identified by oral glucose tolerance test or HbA1c values, and cardiovascular disease in a cohort of European and South Asian origin. <i>Diabetic Medicine</i> , 2016 , 33, 340-7	3.5	13

413	Metabolite profiling and cardiovascular event risk: a prospective study of 3 population-based cohorts. <i>Circulation</i> , 2015 , 131, 774-85	16.7	367
412	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 REvisited) Study. <i>Diabetologia</i> , 2015 , 58, 968-79	10.3	139
411	Impact of blood pressure on retinal microvasculature architecture across the lifespan: the Young Finns Study. <i>Microcirculation</i> , 2015 , 22, 146-55	2.9	12
410	Associations of Central and Peripheral Blood Pressure With Cardiac Structure and Function in an Adolescent Birth Cohort: The Avon Longitudinal Study of Parents and Children. <i>Journal of the American College of Cardiology</i> , 2015 , 65, 2048-2050	15.1	3
409	Optimality, Cost Minimization and the Design of Arterial Networks. <i>Artery Research</i> , 2015 , 10, 1-10	2.2	10
408	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, 1010-8	5.5	28
407	Errors of Fact in the Recent Article by Westerhof, Segers, and Westerhof. <i>Hypertension</i> , 2015 ,	8.5	2
406	Associations Between Prediabetes, by Three Different Diagnostic Criteria, and Incident CVD Differ in South Asians and Europeans. <i>Diabetes Care</i> , 2015 , 38, 2325-32	14.6	26
405	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, 226-34	3.5	49
404	Impact of fetal growth and preterm birth on the retinal microvasculature in mid-adulthood. <i>Microcirculation</i> , 2015 , 22, 285-93	2.9	11
403	Ethnic Differences in Associations Between Blood Pressure and Stroke in South Asian and European Men. <i>Hypertension</i> , 2015 , 66, 481-8	8.5	36
402	Novel coronary heart disease risk factors at 60-64 years and life course socioeconomic position: the 1946 British birth cohort. <i>Atherosclerosis</i> , 2015 , 238, 70-6	3.1	19
401	Depressive symptoms are doubled in older British South Asian and Black Caribbean people compared with Europeans: associations with excess co-morbidity and socioeconomic disadvantage. <i>Psychological Medicine</i> , 2015 , 45, 1861-71	6.9	24
400	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, H1225-33	5.2	20
399	44 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	5.1	
398	Ethnic differences in associations between fat deposition and incident diabetes and underlying mechanisms: the SABRE study. <i>Obesity</i> , 2015 , 23, 699-706	8	35
397	Urinary proteomic biomarkers to predict cardiovascular events. <i>Proteomics - Clinical Applications</i> , 2015 , 9, 610-7	3.1	26
396	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, 172-3	3.8	2

395	The association of nonalcoholic fatty liver disease with central and peripheral blood pressure in adolescence: findings from a cross-sectional study. <i>Journal of Hypertension</i> , 2015 , 33, 546-52; discussion 553	1.9	9
394	Change in coronary blood flow after percutaneous coronary intervention in relation to baseline lesion physiology: results of the JUSTIFY-PCI study. <i>Circulation: Cardiovascular Interventions</i> , 2015 , 8, e001715	6	27
393	Central aortic reservoir-wave analysis improves prediction of cardiovascular events in elderly hypertensives. <i>Hypertension</i> , 2015 , 65, 629-35	8.5	35
392	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, 1823-33	3.9	9
391	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	3.7	20
390	Physical activity, sedentary time and physical capability in early old age: British birth cohort study. <i>PLoS ONE</i> , 2015 , 10, e0126465	3.7	39
389	Differences in smoking associated DNA methylation patterns in South Asians and Europeans. <i>Clinical Epigenetics</i> , 2014 , 6, 4	7.7	176
388	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, 1902-13	5	13
387	A feasibility study of the association of exposure to biomass smoke with vascular function, inflammation, and cellular aging. <i>Environmental Research</i> , 2014 , 135, 165-72	7.9	58
386	British randomised controlled trial of AV and VV optimization ("BRAVO") study: rationale, design, and endpoints. <i>BMC Cardiovascular Disorders</i> , 2014 , 14, 42	2.3	3
385	QRISK2 validation by ethnic group. <i>Heart</i> , 2014 , 100, 437	5.1	2
384	OP68 How is overweight/obesity across the life course associated with levels of adipokines, inflammatory and endothelial markers at age 60-64 years? Findings from the 1946 birth cohort. <i>Journal of Epidemiology and Community Health</i> , 2014 , 68, A34.3-A35	5.1	
383	39 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	5.1	
382	Arterial pressure: agreement between a brachial cuff-based device and radial tonometry. <i>Journal of Hypertension</i> , 2014 , 32, 865-72	1.9	23
381	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, 1386-96	5	78
380	Aortic reservoir pressure corresponds to cyclic changes in aortic volume: physiological validation in humans. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 1597-603	9.4	35
379	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, e78-9	14.6	2
378	Test-retest repeatability of cardiopulmonary exercise test variables in patients with cardiac or respiratory disease. <i>European Journal of Preventive Cardiology</i> , 2014 , 21, 445-53	3.9	31

377	Baseline instantaneous wave-free ratio as a pressure-only estimation of underlying coronary flow reserve: results of the JUSTIFY-CFR Study (Joined Coronary Pressure and Flow Analysis to Determine Diagnostic Characteristics of Basal and Hyperemic Indices of Functional Lesion Severity-Coronary Flow Reserve). <i>Circulation: Cardiovascular Interventions</i> , 2014 , <i>7</i> , 492-502	6	124
376	Automated speckle tracking algorithm to aid on-axis imaging in echocardiography. <i>Journal of Medical Imaging</i> , 2014 , <i>1</i> , 037001	2.6	1
375	Midlife blood pressure change and left ventricular mass and remodelling in older age in the 1946 British Birth Cohort Study. <i>European Heart Journal</i> , 2014 , <i>35</i> , 3287-95	9.5	23
374	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 , <i>1</i> , e000055	3	3
373	KV 7 channels are involved in hypoxia-induced vasodilatation of porcine coronary arteries. <i>British Journal of Pharmacology</i> , 2014 , <i>171</i> , 69-82	8.6	53
372	Thigh fat and muscle each contribute to excess cardiometabolic risk in South Asians, independent of visceral adipose tissue. <i>Obesity</i> , 2014 , <i>22</i> , 2071-9	8	36
371	Hyperglycemia has a greater impact on left ventricle function in South Asians than in Europeans. <i>Diabetes Care</i> , 2014 , <i>37</i> , 1124-31	14.6	15
370	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 , <i>43</i> , 856-65	7.8	21
369	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 , <i>32</i> , 1789-96	1.9	29
368	Association of parental blood pressure with retinal microcirculatory abnormalities indicative of endothelial dysfunction in children. <i>Journal of Hypertension</i> , 2014 , <i>32</i> , 598-605	1.9	6
367	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 , <i>21</i> , 454-5	3.9	
366	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 , <i>68</i> , 883-9	5.1	19
365	Ethnicity and prediction of cardiovascular disease: performance of QRISK2 and Framingham scores in a U.K. tri-ethnic prospective cohort study (SABRE--Southall And Brent REvisited). <i>Heart</i> , 2014 , <i>100</i> , 60-7	5.1	76
364	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 , <i>64</i> , 60-8	8.5	72
363	Long-term antihypertensive treatment fails to improve E/e' despite regression of left ventricular mass: an Anglo-Scandinavian cardiac outcomes trial substudy. <i>Hypertension</i> , 2014 , <i>63</i> , 252-8	8.5	22
362	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 , <i>34</i> , 654-60	9.4	20
361	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 , <i>16</i> , 541-50	3.9	11
360	Reservoir and excess pressures predict cardiovascular events in high-risk patients. <i>International Journal of Cardiology</i> , 2014 , <i>171</i> , 31-6	3.2	63

359	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, 144-52	3.2	16
358	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, 228-39	3.9	15
357	Method for percutaneously introducing, and removing, anatomical stenosis of predetermined severity in vivo: the "stenotic stent". <i>Journal of Cardiovascular Translational Research</i> , 2013 , 6, 640-8	3.3	3
356	A novel fully automated method for mitral regurgitant orifice area quantification. <i>International Journal of Cardiology</i> , 2013 , 166, 688-95	3.2	6
355	Stem cell therapy for stress urinary incontinence: a systematic review in human subjects. <i>Archives of Gynecology and Obstetrics</i> , 2013 , 288, 1213-21	2.5	21
354	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, 189-92	3.2	222
353	Diagnostic classification of the instantaneous wave-free ratio is equivalent to fractional flow reserve and is not improved with adenosine administration. Results of CLARIFY (Classification Accuracy of Pressure-Only Ratios Against Indices Using Flow Study). <i>Journal of the American College of Cardiology</i> , 2013 , 61, 1400-20	15.1	175
352	The importance of wave reflection: A comparison of wave intensity analysis and separation of pressure into forward and backward components. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual Conference</i> , 2013 , 2013, 2008-2011	0.9	9
351	A systematic approach to designing reliable VV optimization methodology: assessment of internal validity of echocardiographic, electrocardiographic and haemodynamic optimization of cardiac resynchronization therapy. <i>International Journal of Cardiology</i> , 2013 , 167, 954-64	3.2	5
350	The relationship between metabolic risk factors and incident cardiovascular disease in Europeans, South Asians, and African Caribbeans: SABRE (Southall and Brent Revisited) -- a prospective population-based study. <i>Journal of the American College of Cardiology</i> , 2013 , 61, 1777-86	15.1	176
349	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, 1329-32	3.2	14
348	Evaluation of C-reactive protein before and on-treatment as a predictor of benefit of atorvastatin: a cohort analysis from the Anglo-Scandinavian Cardiac Outcomes Trial lipid-lowering arm. <i>Journal of the American College of Cardiology</i> , 2013 , 62, 717-29	15.1	24
347	Evidence-based recommendations for PISA measurements in mitral regurgitation: systematic review, clinical and in-vitro study. <i>International Journal of Cardiology</i> , 2013 , 168, 1220-8	3.2	15
346	Multinational evaluation of the interpretability of the iterative method of optimisation of AV delay for CRT. <i>International Journal of Cardiology</i> , 2013 , 168, 407-13	3.2	15
345	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	4.9	7
344	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, 151-60	3.2	38
343	Meta-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	3.8	68
342	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, 167-73	6.1	10

341	Improvement in coronary haemodynamics after percutaneous coronary intervention: assessment using instantaneous wave-free ratio. <i>Heart</i> , 2013 , 99, 1740-8	5.1	25
340	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	5.1	
339	Exercise central (aortic) blood pressure is predominantly driven by forward traveling waves, not wave reflection. <i>Hypertension</i> , 2013 , 62, 175-82	8.5	56
338	African Caribbeans have greater subclinical cerebrovascular disease than Europeans: this is associated with both their elevated resting and ambulatory blood pressure and their hyperglycaemia. <i>Journal of Hypertension</i> , 2013 , 31, 2391-9	1.9	11
337	Body fat is associated with reduced aortic stiffness until middle age. <i>Hypertension</i> , 2013 , 61, 1322-7	8.5	65
336	Hemodynamic response to intravenous adenosine and its effect on fractional flow reserve assessment: results of the Adenosine for the Functional Evaluation of Coronary Stenosis Severity (AFFECTS) study. <i>Circulation: Cardiovascular Interventions</i> , 2013 , 6, 654-61	6	51
335	Insulin resistance and truncal obesity as important determinants of the greater incidence of diabetes in Indian Asians and African Caribbeans compared with Europeans: the Southall And Brent REvisited (SABRE) cohort. <i>Diabetes Care</i> , 2013 , 36, 383-93	14.6	105
334	Response to "A new exercise central hemodynamics paradigm: time for reflection or expansion?". <i>Hypertension</i> , 2013 , 62, e36	8.5	
333	Differential effects of adiposity and childhood growth trajectories on retinal microvascular architecture. <i>Microcirculation</i> , 2013 , 20, 609-16	2.9	13
332	Attenuated systemic microvascular function in men with coronary artery disease is associated with angina but not explained by atherosclerosis. <i>Microcirculation</i> , 2013 , 20, 670-7	2.9	12
331	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, 1489-98	5.6	26
330	Left-ventricular structure in the Southall And Brent REvisited (SABRE) study: explaining ethnic differences. <i>Hypertension</i> , 2013 , 61, 1014-20	8.5	25
329	107 THE EFFECT OF OBESITY ON AORTIC STIFFNESS IS AGE DEPENDANT. <i>Heart</i> , 2013 , 99, A67.1-A67	5.1	
328	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	5.1	
327	054 INSTANTANEOUS WAVE-FREE RATIO (IFR) CAN DETECT IMPROVEMENT IN CORONARY STENOSIS SEVERITY AFTER PERCUTANEOUS INTERVENTION. <i>Heart</i> , 2013 , 99, A37.1-A37	5.1	
326	Commentary: 'On the cards': collective investigation of disease and medical life histories in the nineteenth century. <i>International Journal of Epidemiology</i> , 2013 , 42, 683-8	7.8	7
325	Limitations of augmentation index in the assessment of wave reflection in normotensive healthy individuals. <i>PLoS ONE</i> , 2013 , 8, e59371	3.7	77
324	Estimation of CT-derived abdominal visceral and subcutaneous adipose tissue depots from anthropometry in Europeans, South Asians and African Caribbeans. <i>PLoS ONE</i> , 2013 , 8, e75085	3.7	27

323	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	3.7	9
322	Microcirculatory rarefaction in South Asians - a potential mechanism for increased cardiovascular risk and diabetes. <i>PLoS ONE</i> , 2013 , 8, e76680	3.7	7
321	Hybrid iFR-FFR decision-making strategy: implications for enhancing universal adoption of physiology-guided coronary revascularisation. <i>EuroIntervention</i> , 2013 , 8, 1157-65	3.1	78
320	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. <i>EuroIntervention</i> , 2013 , 9, 91-101	3.1	134
319	Fully automatable, reproducible, noninvasive simple plethysmographic optimization: proof of concept and potential for implantability. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2012 , 35, 948-60	1.6	10
318	A class III semaphorin (Sema3e) inhibits mouse osteoblast migration and decreases osteoclast formation in vitro. <i>Calcified Tissue International</i> , 2012 , 90, 151-62	3.9	32
317	Impaired post-ischaemic microvascular hyperaemia in Indian Asians is unexplained by diabetes or other cardiovascular risk factors. <i>Atherosclerosis</i> , 2012 , 221, 503-7	3.1	5
316	Extraction of nucleic acids from bone. <i>Methods in Molecular Biology</i> , 2012 , 816, 249-59	1.4	4
315	A new automated system to identify a consistent sampling position to make tissue Doppler and transmitral Doppler measurements of E, E' and E/E'. <i>International Journal of Cardiology</i> , 2012 , 155, 394-9 ^{3.2}		7
314	Naproxen causes cytotoxicity and induces changes in polyamine metabolism independent of cyclo-oxygenase expression. <i>Toxicology Research</i> , 2012 , 1, 108	2.6	6
313	Development and validation of a new adenosine-independent index of stenosis severity from coronary wave-intensity analysis: results of the ADVISE (ADenosine Vasodilator Independent Stenosis Evaluation) study. <i>Journal of the American College of Cardiology</i> , 2012 , 59, 1392-402	15.1	453
312	The limit of plausibility for predictors of response: application to biventricular pacing. <i>JACC: Cardiovascular Imaging</i> , 2012 , 5, 1046-65	8.4	36
311	003 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	5.1	2
310	Genetic and early life influences on the human retinal microcirculation. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2012 , 110, 19-25	3.1	4
309	Assessment of energy requirement for the retinal arterial network in normal and hypertensive subjects. <i>Journal of Biomechanical Engineering</i> , 2012 , 134, 014501	2.1	5
308	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	6	4
307	Meta-analysis of dose-response relationships for hydrochlorothiazide, chlorthalidone, and bendroflumethiazide on blood pressure, serum potassium, and urate. <i>Hypertension</i> , 2012 , 59, 1104-9	8.5	106
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, 759-66	5.8	13

305	Gender-specific differences in myocardial deformation and aortic stiffness at rest and dobutamine stress. <i>Hypertension</i> , 2012 , 59, 712-8	8.5	19
304	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, 1334-44	16.7	34
303	019 Development and validation of a novel pressure-only intra-coronary index of coronary stenosis severity. <i>Heart</i> , 2012 , 98, A13.1-A13	5.1	
302	Attenuation of wave reflection by wave entrapment creates a "horizon effect" in the human aorta. <i>Hypertension</i> , 2012 , 60, 778-85	8.5	66
301	The acute effects of changes to AV delay on BP and stroke volume: potential implications for design of pacemaker optimization protocols. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2012 , 5, 122-30	6.4	24
300	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, 486-94	9.5	39
299	136 Increase in left ventricular mass in type 2 diabetes is dependent on duration of diabetes. <i>Heart</i> , 2012 , 98, A77.1-A77	5.1	
298	The reservoir-wave paradigm. <i>Journal of Hypertension</i> , 2012 , 30, 1880-1; author reply 1881-3	1.9	13
297	Analysis of gene expression in bone by quantitative RT/PCR. <i>Methods in Molecular Biology</i> , 2012 , 816, 261-75	1.4	3
296	004 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. <i>Heart</i> , 2012 , 98, A5.2-A6	5.1	
295	137 Time for a review of the 'watch and wait' strategy for young borderline-hypertensives?. <i>Heart</i> , 2012 , 98, A77.2-A77	5.1	
294	Wave propagation and reflection in the canine aorta: analysis using a reservoir-wave approach. <i>Canadian Journal of Cardiology</i> , 2011 , 27, 389.e1-10	3.8	38
293	High dietary salt intake increases carotid blood pressure and wave reflection in normotensive healthy young men. <i>Journal of Applied Physiology</i> , 2011 , 110, 468-71	3.7	26
292	Endothelial von Willebrand factor regulates angiogenesis. <i>Blood</i> , 2011 , 117, 1071-80	2.2	327
291	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, 217-25	1.6	19
290	Development of lysolipid-based thermosensitive liposomes for delivery of high molecular weight proteins. <i>International Journal of Pharmaceutics</i> , 2011 , 421, 291-2	6.5	12
289	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, 277-90	5	38
288	116 CRT optimisation: improving echocardiographic techniques by accommodating biological variability within different echocardiographic parameters. <i>Heart</i> , 2011 , 97, A66-A67	5.1	1

287	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, 842-50	4.7	48
286	85 Prediction of response to biventricular pacing from dyssynchrony indices: the absolute limit on predictability, and its clinical implications. <i>Heart</i> , 2011 , 97, A49-A50	5.1	
285	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, 1490-8	7.8	12
284	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, e1-9	7.8	225
283	39 Blood-derived endothelial progenitor cells from Von Willebrand's disease patients demonstrate that Von Willebrand factor regulates angiogenesis. <i>Heart</i> , 2011 , 97, e7-e7	5.1	1
282	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> , 2011 , 124, 1565-72	16.7	69
281	9 IgG anti-malonedialdehyde-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. <i>Heart</i> , 2011 , 97, e7-e7	5.1	
280	099 Acute changes in coronary haemodynamic in patients undergoing transcatheter aortic valve implantation. <i>Heart</i> , 2010 , 96, A59.1-A59	5.1	
279	127 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. <i>Heart</i> , 2010 , 96, A73.2-A74	5.1	
278	Caution using brachial systolic pressure to calibrate radial tonometric pressure waveforms: lessons from invasive study. <i>Hypertension</i> , 2010 , 55, e4	8.5	21
277	Hepatitis C infection and clearance: impact on atherosclerosis and cardiometabolic risk factors. <i>Gut</i> , 2010 , 59, 1135-40	19.2	81
276	The arterial reservoir pressure increases with aging and is the major determinant of the aortic augmentation index. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 298, H580-6	5.2	125
275	Tissue Doppler E/E' ratio is a powerful predictor of primary cardiac events in a hypertensive population: an ASCOT substudy. <i>European Heart Journal</i> , 2010 , 31, 747-52	9.5	148
274	Carotid artery hemodynamics: observing patient-specific changes with amlodipine and lisinopril by using MR imaging computation fluid dynamics. <i>Radiology</i> , 2010 , 257, 662-9	20.5	4
273	Differential effects of antihypertensive treatment on left ventricular diastolic function: an ASCOT (Anglo-Scandinavian Cardiac Outcomes Trial) substudy. <i>Journal of the American College of Cardiology</i> , 2010 , 55, 1875-81	15.1	38
272	Wave reflection predicts cardiovascular events in hypertensive individuals independent of blood pressure and other cardiovascular risk factors: an ASCOT (Anglo-Scandinavian Cardiac Outcome Trial) substudy. <i>Journal of the American College of Cardiology</i> , 2010 , 56, 24-30	15.1	73
271	Real-time dynamic carbon dioxide administration: a novel treatment strategy for stabilization of periodic breathing with potential application to central sleep apnea. <i>Journal of the American College of Cardiology</i> , 2010 , 56, 1832-7	15.1	35
270	Normal asynchrony of left ventricular long and short axes: their relationship with aortic hemodynamics. <i>International Journal of Cardiology</i> , 2010 , 142, 166-71	3.2	5

269	Calcium channel regulation in vascular smooth muscle cells: synergistic effects of statins and calcium channel blockers. <i>International Journal of Cardiology</i> , 2010 , 139, 2-6	3.2	24
268	A novel measure to characterise optimality of diameter relationships at retinal vascular bifurcations. <i>Artery Research</i> , 2010 , 4, 75-80	2.2	21
267	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, 184-90	3.1	24
266	Retinal arterioles have impaired reactivity to hyperoxia in type 1 diabetes. <i>Acta Ophthalmologica</i> , 2010 , 88, 453-7	3.7	14
265	Associations between cardiac target organ damage and microvascular dysfunction: the role of blood pressure. <i>Journal of Hypertension</i> , 2010 , 28, 952-8	1.9	24
264	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, 568-74	1.9	5
263	098 Differential effects of hypertrophy secondary to hypertension and aortic stenosis on coronary haemodynamics. <i>Heart</i> , 2010 , 96, A58.2-A59	5.1	
262	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, 2120-8 ^{10.3}	10.3	16
261	MR image-based geometric and hemodynamic investigation of the right coronary artery with dynamic vessel motion. <i>Annals of Biomedical Engineering</i> , 2010 , 38, 2606-20	4.7	32
260	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	2.3	13
259	Computational analysis of oxygen transport in the retinal arterial network. <i>Current Eye Research</i> , 2009 , 34, 945-56	2.9	35
258	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	3.7	21
257	Differences in the magnitude of wave reflection account for differential effects of amlodipine-versus atenolol-based regimens on central blood pressure: an Anglo-Scandinavian Cardiac Outcome Trial substudy. <i>Hypertension</i> , 2009 , 54, 724-30	8.5	71
256	Differential effects of antihypertensive treatment on the retinal microcirculation: an anglo-scandinavian cardiac outcomes trial substudy. <i>Hypertension</i> , 2009 , 54, 405-8	8.5	42
255	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	2.1	37
254	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 Spec No 1, S18-23	3.4	19
253	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 Spec No 1, S24-32	3.4	24
252	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, H765-76	5.2	25

251	Atorvastatin treatment is associated with less augmentation of the carotid pressure waveform in hypertension: a substudy of the Anglo-Scandinavian Cardiac Outcome Trial (ASCOT). <i>Hypertension</i> , 2009 , 54, 1009-13	8.5	28
250	Impact of statin therapy on central aortic pressures and hemodynamics: principal results of the Conduit Artery Function Evaluation-Lipid-Lowering Arm (CAFE-LLA) Study. <i>Circulation</i> , 2009 , 119, 53-61	16.7	77
249	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, 1098-100	14.6	14
248	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		88
247	Wave intensity analysis and the development of the reservoir-wave approach. <i>Medical and Biological Engineering and Computing</i> , 2009 , 47, 221-32	3.1	80
246	Forward and backward waves in the arterial system: impedance or wave intensity analysis?. <i>Medical and Biological Engineering and Computing</i> , 2009 , 47, 207-10	3.1	68
245	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. <i>Diabetologia</i> , 2009 , 52, 2027-36	10.3	129
244	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, 1465-76	8.6	39
243	Determinants of retinal microvascular architecture in normal subjects. <i>Microcirculation</i> , 2009 , 16, 159-66	2.9	39
242	A meta-analysis of the mechanism of blood pressure change with aging. <i>Journal of the American College of Cardiology</i> , 2009 , 54, 2087-92	15.1	92
241	Low wall shear stress predicts subsequent development of wall hypertrophy in lower limb bypass grafts. <i>Artery Research</i> , 2009 , 3, 32-38	2.2	24
240	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, 177-82	5.8	14
239	Comparison of the retinal microvasculature in European and African-Caribbean people with diabetes. <i>Clinical Science</i> , 2009 , 117, 229-36	6.5	11
238	Image-based Blood Flow Simulation in the Retinal Circulation. <i>IFMBE Proceedings</i> , 2009 , 1963-1966	0.2	2
237	Thiazide Diuretics 2009 , 555-561		
236	3D Reconstruction of the Retinal Arterial Tree Using Subject-Specific Fundus Images 2009 , 187-201		2
235	The interaction of the SRA domain of ICBP90 with a novel domain of DNMT1 is involved in the regulation of VEGF gene expression. <i>Oncogene</i> , 2008 , 27, 2187-97	9.2	133
234	Ethnicity and left ventricular diastolic function in hypertension an ASCOT (Anglo-Scandinavian Cardiac Outcomes Trial) substudy. <i>Journal of the American College of Cardiology</i> , 2008 , 52, 1015-21	15.1	38

233	The atrioventricular delay of cardiac resynchronization can be optimized hemodynamically during exercise and predicted from resting measurements. <i>Heart Rhythm</i> , 2008 , 5, 378-86	6.7	29
232	South Asian men have different patterns of coronary artery disease when compared with European men. <i>International Journal of Cardiology</i> , 2008 , 129, 406-13	3.2	38
231	Efficiency, reproducibility and agreement of five different hemodynamic measures for optimization of cardiac resynchronization therapy. <i>International Journal of Cardiology</i> , 2008 , 129, 216-26	3.2	27
230	Waves in arteries: A review of wave intensity analysis in the systemic and coronary circulations. <i>Artery Research</i> , 2008 , 2, 51	2.2	25
229	What is the role of the aorta in directing coronary blood flow?. <i>Heart</i> , 2008 , 94, 1545-7	5.1	46
228	Peripheral augmentation index and wave reflection in the radial artery. <i>Hypertension</i> , 2008 , 51, e45-6; author reply e47	8.5	5
227	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, R219-27	3.2	6
226	Reservoir-wave separation and wave intensity analysis applied to carotid arteries: a hybrid 1D model to understand haemodynamics. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2008 , 2008, 1381-4	0.9	7
225	Low Birth Weight and Retinal Vascular Caliber in Young Children: In Reply. <i>Pediatrics</i> , 2008 , 121, 863-8637.4		
224	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	5.2	44
223	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	2.1	58
222	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, H2112-20	5.2	39
221	Retinal vascular lesions in patients of Caucasian and Asian origin with type 2 diabetes: baseline results from the ADVANCE Retinal Measurements (AdRem) study. <i>Diabetes Care</i> , 2008 , 31, 708-13	14.6	37
220	Advanced Computational Models for Disturbed and Turbulent Flow in Stenosed Human Carotid Artery Bifurcation. <i>IFMBE Proceedings</i> , 2008 , 390-394	0.2	5
219	Effect of antihypertensive treatment on retinal microvascular changes in hypertension. <i>Journal of Hypertension</i> , 2008 , 26, 1703-7	1.9	71
218	The Relationship between Velocity and Cerebral Resistance during Vasomotor Reactivity Testing: Should We Report a Different Measurement?. <i>Journal for Vascular Ultrasound</i> , 2008 , 32, 67-74	0.1	
217	Ethnic differences in retinal microvascular structure. <i>Diabetologia</i> , 2008 , 51, 1719-22	10.3	15
216	Ethnic differences in heart rate: can these be explained by conventional cardiovascular risk factors?. <i>Clinical Autonomic Research</i> , 2008 , 18, 90-5	4.3	11

215	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, 80-5	5.6	18
214	Segmentation of blood vessels from red-free and fluorescein retinal images. <i>Medical Image Analysis</i> , 2007 , 11, 47-61	15.4	294
213	Drug effects on the mechanical properties of large arteries in humans. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2007 , 34, 688-93	3	18
212	Reduced endothelial progenitor cells in European and South Asian men with atherosclerosis. <i>European Journal of Clinical Investigation</i> , 2007 , 37, 35-41	4.6	24
211	Platelet and leukocyte activation, atherosclerosis and inflammation in European and South Asian men. <i>Journal of Thrombosis and Haemostasis</i> , 2007 , 5, 2036-42	15.4	24
210	Antiphase oscillations of endothelium and smooth muscle $[Ca^{2+}]_i$ in vasomotion of rat mesenteric small arteries. <i>Cell Calcium</i> , 2007 , 42, 536-47	4	28
209	Inhibition of Src family tyrosine kinases prevents lipopolysaccharide-induced hyporeactivity in isolated rat tail arteries. <i>Vascular Pharmacology</i> , 2007 , 46, 195-200	5.9	7
208	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, 403-13	3.9	46
207	Influence of pulsatile flow on LDL transport in the arterial wall. <i>Annals of Biomedical Engineering</i> , 2007 , 35, 1782-90	4.7	30
206	The clinical assessment of retinal microvascular structure and therapeutic implications. <i>Current Treatment Options in Cardiovascular Medicine</i> , 2007 , 9, 236-41	2.1	6
205	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, 2501-9	2.9	20
204	Impact of size at birth on the microvasculature: the Avon Longitudinal Study of Parents and Children. <i>Pediatrics</i> , 2007 , 120, e1225-8	7.4	44
203	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, H3148-57	5.2	53
202	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, H1031-7	5.2	71
201	Does the Difference in Realistic Waveform Before and After Stenting Affect Hemodynamics in Stenosed Coronary Artery? 2007 , 467		
200	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, H557-62	5.2	61
199	Left ventricular hypertrophy induced by aortic banding impairs relaxation of isolated coronary arteries. <i>Clinical Science</i> , 2007 , 113, 473-8	6.5	16
198	Src family tyrosine kinases mediate contraction of rat isolated tail arteries in response to a hyposmotic stimulus. <i>Journal of Hypertension</i> , 2007 , 25, 1871-8	1.9	13

197	Measurement of pulse wave velocity: site matters. <i>Journal of Hypertension</i> , 2007 , 25, 383-9	1.9	57
196	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	2.3	19
195	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	2.2	56
194	Indian Asian men have less peripheral arterial disease than European men for equivalent levels of coronary disease. <i>Atherosclerosis</i> , 2007 , 193, 204-12	3.1	40
193	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		43
192	Arterial pulse wave velocity in coronary arteries. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006 , 2006, 867-70		19
191	Candesartan- and atenolol-based treatments induce different patterns of carotid artery and left ventricular remodeling in hypertension. <i>Stroke</i> , 2006 , 37, 2381-4	6.7	45
190	Determination of optimal atrioventricular delay for cardiac resynchronization therapy using acute non-invasive blood pressure. <i>Europace</i> , 2006 , 8, 358-66	3.9	75
189	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, H878-85	5.2	122
188	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	3	22
187	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, 1768-78	16.7	296
186	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, 1628-34	5.1	96
185	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,	16.7	26
184	Abnormalities of retinal microvascular structure and risk of mortality from ischemic heart disease and stroke. <i>Hypertension</i> , 2006 , 47, 975-81	8.5	265
183	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	2.2	41
182	Fluid structure interaction of patient specific abdominal aortic aneurysms: a comparison with solid stress models. <i>BioMedical Engineering OnLine</i> , 2006 , 5, 33	4.1	117
181	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 , 113, 1213-25	16.7	1786
180	Curvature and tortuosity of the superficial femoral artery: a possible risk factor for peripheral arterial disease. <i>Journal of Applied Physiology</i> , 2006 , 101, 1412-8	3.7	99

179	Quantification of topological changes in retinal vascular architecture in essential and malignant hypertension. <i>Journal of Hypertension</i> , 2006 , 24, 889-94	1.9	84
178	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, 560-72	8.6	60
177	Fluid-wall modelling of mass transfer in an axisymmetric stenosis: effects of shear-dependent transport properties. <i>Annals of Biomedical Engineering</i> , 2006 , 34, 1119-28	4.7	77
176	Protective Effect of Polyamines on NSAID-Induced Injury and Apoptosis 2006 , 267-278		2
175	Operator dependence of 3-D ultrasound-based computational fluid dynamics for the carotid bifurcation. <i>IEEE Transactions on Medical Imaging</i> , 2005 , 24, 451-6	11.7	22
174	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, 625-32	6.4	31
173	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, 811-7	8.6	17
172	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, 282-9	5.6	29
171	The Devil Is in The Detail: A Constructionist Account of Repetition Blindness 2005 , 101-130		2
170	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, H270-6	5.2	117
169	Assembled Columnar Structures from bis-urea Macrocycles. <i>Supramolecular Chemistry</i> , 2005 , 17, 27-30	1.8	25
168	Mechanism of contraction of rat isolated tail arteries by hyposmotic solutions. <i>Journal of Vascular Research</i> , 2005 , 42, 93-100	1.9	6
167	APPLICATION OF ULTRASOUND-BASED COMPUTATIONAL FLUID DYNAMICS TO MODELING BLOOD FLOW IN THE CAROTID BIFURCATION 2005 , 109-156		
166	Image-based carotid flow reconstruction: a comparison between MRI and ultrasound. <i>Physiological Measurement</i> , 2004 , 25, 1495-509	2.9	48
165	Influence of head position on carotid hemodynamics in young adults. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 287, H1670-81	5.2	22
164	Reconstruction and quantification of the carotid artery bifurcation from 3-D ultrasound images. <i>IEEE Transactions on Medical Imaging</i> , 2004 , 23, 567-83	11.7	39
163	How do thiazide and thiazide-like diuretics lower blood pressure?. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2004 , 5, 155-60	3	57
162	Hemodynamic determinants of carotid artery structure in essential hypertension. <i>American Journal of Hypertension</i> , 2004 , 17, S131-S132	2.3	

161	VASCULAR GEOMETRY RECONSTRUCTION WITH 3D ULTRASOUND, APPLIED TO ANTHROPOMORPHIC PHANTOMS MODELS. <i>Journal of Hypertension</i> , 2004 , 22, S13	1.9	
160	Cardiac and vascular pathophysiology in hypertension. <i>British Heart Journal</i> , 2003 , 89, 1104-9		179
159	Accuracy and reproducibility of CFD predicted wall shear stress using 3D ultrasound images. <i>Journal of Biomechanical Engineering</i> , 2003 , 125, 218-22	2.1	47
158	Polyamines reverse non-steroidal anti-inflammatory drug-induced toxicity in human colorectal cancer cells. <i>Biochemical Journal</i> , 2003 , 374, 481-8	3.8	27
157	Reproducibility study of magnetic resonance image-based computational fluid dynamics prediction of carotid bifurcation flow. <i>Annals of Biomedical Engineering</i> , 2003 , 31, 142-51	4.7	75
156	Carotid angioplasty in a pulsatile flow model: factors affecting embolic potential. <i>European Journal of Vascular and Endovascular Surgery</i> , 2003 , 26, 22-31	2.3	15
155	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, 281-7	5.3	9
154	Reproducibility study of 3D geometrical reconstruction of the human carotid bifurcation from magnetic resonance images. <i>Magnetic Resonance in Medicine</i> , 2003 , 49, 665-74	4.4	22
153	Effect of tumour necrosis factor-alpha and interleukin 1beta on endothelium-dependent relaxation in rat mesenteric resistance arteries in vitro. <i>British Journal of Pharmacology</i> , 2003 , 138, 1285-94	8.6	51
152	A perspective of polyamine metabolism. <i>Biochemical Journal</i> , 2003 , 376, 1-14	3.8	752
151	PDGF stimulates DNA synthesis in human vascular smooth muscle cells via a novel wortmannin-insensitive phosphatidylinositol 3-kinase. <i>FEBS Letters</i> , 2003 , 555, 591-6	3.8	4
150	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	1.7	19
149	Carotid geometry reconstruction: a comparison between MRI and ultrasound. <i>Medical Physics</i> , 2003 , 30, 3251-61	4.4	27
148	Central aortic pressure influences pulse wave velocity. <i>Hypertension</i> , 2002 , 40, e10-1; author reply e10-18.5		4
147	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	7	34
146	Retinal vascular tree morphology: a semi-automatic quantification. <i>IEEE Transactions on Biomedical Engineering</i> , 2002 , 49, 912-7	5	167
145	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, 1367-77	2.9	95
144	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, 4353-60	5.3	34

143	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		9
142	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, 116-22	3	8
141	Measurement of hemodynamics in human carotid artery using ultrasound and computational fluid dynamics. <i>Journal of Applied Physiology</i> , 2002 , 92, 957-61	3.7	15
140	Ethnic differences in carotid and left ventricular hypertrophy. <i>Journal of Hypertension</i> , 2002 , 20, 539-43	1.9	4
139	. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , 2002 , 9, 77-81		15
138	Action of the endothelin receptor (ETA) antagonist BQ-123 on forearm blood flow in young normotensive subjects. <i>Clinical Science</i> , 2002 , 102, 661	6.5	2
137	Tyrosine kinases act directly on the alpha1 subunit to modulate Ca(v)2.2 calcium channels. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 290, 1246-9	3.4	13
136	Pre-eclampsia, antiretroviral therapy, and immune reconstitution. <i>Lancet, The</i> , 2002 , 360, 1152-4	4.0	135
135	Vascular tone 2002 , 3-32		
134	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	7	7
133	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	6.5	29
132	Effects of blood pressure lowering with amlodipine or lisinopril on vascular structure of the common carotid artery. <i>Clinical Science</i> , 2001 , 101, 455	6.5	15
131	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, 957-68	3.5	49
130	Accuracy of an electromagnetic three-dimensional ultrasound system for carotid artery imaging. <i>Ultrasound in Medicine and Biology</i> , 2001 , 27, 1421-5	3.5	36
129	In vivo evidence for K(Ca) channel opening properties of acetazolamide in the human vasculature. <i>British Journal of Pharmacology</i> , 2001 , 132, 443-50	8.6	64
128	Mechanism of action of angiotensin II in human isolated subcutaneous resistance arteries. <i>British Journal of Pharmacology</i> , 2001 , 134, 188-96	8.6	15
127	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 Suppl 1, S13-8	2.6	11
126	Angiotensin receptor antagonists and vaso-vagal attacks due to sensitisation of the Bezold-Jarisch reflex?. <i>Journal of Human Hypertension</i> , 2001 , 15, 437-8	2.6	4

125	Wearing your heart in your sleeve?. <i>European Heart Journal</i> , 2001 , 22, 1071-3	9.5	1
124	Computer algorithms for the automated measurement of retinal arteriolar diameters. <i>British Journal of Ophthalmology</i> , 2001 , 85, 74-9	5.5	77
123	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, 161-73	3.1	9
122	A novel in vitro 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, 321-3	6.5	2
121	Acute effects of oxygen and carbon dioxide on retinal vascular network geometry in hypertensive and normotensive subjects. <i>Clinical Science</i> , 2000 , 99, 483	6.5	12
120	Reconstruction of blood flow patterns in a human carotid bifurcation: a combined CFD and MRI study. <i>Journal of Magnetic Resonance Imaging</i> , 2000 , 11, 299-311	5.6	127
119	Blood flow and vessel mechanics in a physiologically realistic model of a human carotid arterial bifurcation. <i>Journal of Biomechanics</i> , 2000 , 33, 975-84	2.9	212
118	Introduction. <i>Journal of Human Hypertension</i> , 2000 , 14, 359	2.6	
117	Effects of protein tyrosine kinase inhibitors on voltage-operated calcium channel currents in vascular smooth muscle cells and pp60(c-src) kinase activity. <i>British Journal of Pharmacology</i> , 2000 , 129, 1347-54	8.6	56
116	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, 835-42	8.6	17
115	Quantification and characterisation of arteries in retinal images. <i>Computer Methods and Programs in Biomedicine</i> , 2000 , 63, 133-46	6.9	39
114	Phospholipase C Isoforms, Cytoskeletal Organization, and Vascular Smooth Muscle Differentiation. <i>Physiology</i> , 2000 , 15, 41-45	9.8	5
113	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, 636-44	9.4	12
112	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. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2000 , 20, 973-81	9.4	29
111	Action of angiotensin II on DNA synthesis by human saphenous vein in organ culture. <i>Hypertension</i> , 2000 , 36, 917-21	8.5	10
110	Endotoxin-lipoprotein hypothesis. <i>Lancet, The</i> , 2000 , 356, 2097-8	4.0	5
109	Geometrical and Morphological Analysis of Vascular Branches from Fundus Retinal Images. <i>Lecture Notes in Computer Science</i> , 2000 , 756-765	0.9	2
108	WAVE INTENSITY ANALYSIS. <i>Journal of Hypertension</i> , 2000 , 18, S61	1.9	1

107	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, 341-4	3.1	13
106	Reconstruction of blood flow patterns in a human carotid bifurcation: A combined CFD and MRI study 2000 , 11, 299		7
105	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. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999 , 19, 2133-40	9.4	29
104	Inhibition of carbonic anhydrase accounts for the direct vascular effects of hydrochlorothiazide. <i>Hypertension</i> , 1999 , 33, 1043-8	8.5	110
103	Flow in carotid bifurcations: effect of the superior thyroid artery. <i>Medical Engineering and Physics</i> , 1999 , 21, 207-14	2.4	21
102	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, 622-7 ³		2
101	Effect of hypercholesterolaemia on voltage-operated calcium channel currents in rabbit arterial smooth muscle cells. <i>Journal of Human Hypertension</i> , 1999 , 13, 849-53	2.6	3
100	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, 855-8	2.6	7
99	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, 361-8	8.6	9
98	Action of AT1 receptor antagonists on angiotensin II-induced tone in human isolated subcutaneous resistance arteries. <i>British Journal of Pharmacology</i> , 1999 , 127, 1876-82	8.6	19
97	Retinal Blood Vessel Segmentation by Means of Scale-Space Analysis and Region Growing. <i>Lecture Notes in Computer Science</i> , 1999 , 90-97	0.9	88
96	Presence and mechanism of direct vascular effects of amiloride in humans. <i>Journal of Cardiovascular Pharmacology</i> , 1999 , 34, 388-93	3.1	9
95	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, 307-16	8.6	29
94	Molecular and cellular mechanisms of action of angiotensin II (AT1) receptors in vascular smooth muscle. <i>Journal of Human Hypertension</i> , 1998 , 12, 275-81	2.6	21
93	Role of tyrosine phosphorylation in excitation-contraction coupling in vascular smooth muscle. <i>Acta Physiologica Scandinavica</i> , 1998 , 164, 457-69		36
92	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	4.9	17
91	Vein graft stenosis and the heparin responsiveness of human vascular smooth muscle cells. <i>Circulation</i> , 1998 , 97, 2506-10	16.7	19
90	Thiazide-induced vasodilation in humans is mediated by potassium channel activation. <i>Hypertension</i> , 1998 , 32, 1071-6	8.5	92

89	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, 475-84	9.9	14
88	Regulation of phospholipase C delta 1 activity by GTP-binding proteins: rhoA as an inhibitory modulator. <i>Biochemical Society Transactions</i> , 1998 , 26, S128	5.1	1
87	Role of isoprenylation in the inhibitory action of lovastatin on proliferation of SV40 immortalized human saphenous vein smooth muscle cells. <i>Biochemical Society Transactions</i> , 1998 , 26, S324	5.1	
86	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	5.1	5
85	Retinal vascular network architecture in low-birth-weight men. <i>Journal of Hypertension</i> , 1997 , 15, 1449-53	5.9	71
84	Toward retinal vessel parameterization 1997 , 3034, 734		4
83	Thrombospondin-1 is a potent mitogen and chemoattractant for human vascular smooth muscle cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997 , 17, 2107-14	9.4	70
82	Platelet-derived growth factor beta-receptors can both promote and inhibit chemotaxis in human vascular smooth muscle cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997 , 17, 2622-9	9.4	31
81	Inhibition of proliferation by heparin and expression of p53 in cultured human vascular smooth muscle cells. <i>Journal of Human Hypertension</i> , 1997 , 11, 611-4	2.6	3
80	Differential effects of lovastatin on mitogen induced calcium influx in human cultured vascular smooth muscle cells. <i>British Journal of Pharmacology</i> , 1997 , 121, 1789-95	8.6	16
79	Action of ryanodine on neurogenic responses in rat isolated mesenteric small arteries. <i>British Journal of Pharmacology</i> , 1997 , 122, 142-8	8.6	6
78	Direct vascular effects of furosemide in humans. <i>Circulation</i> , 1997 , 96, 1847-52	16.7	79
77	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, 63-6	3.8	42
76	alpha2-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	1.9	4
75	Depletion of resistance vessel polyamines attenuates angiotensin II induced blood pressure rise in rats. <i>Clinical and Experimental Hypertension</i> , 1996 , 18, 811-30	2.2	5
74	Effect of angiotensin II on the expression of the early growth response gene c-fos and DNA synthesis in human vascular smooth muscle cells. <i>Journal of Hypertension</i> , 1996 , 14, 341-7	1.9	27
73	Thrombospondin-1 induces DNA synthesis and migration in human vascular smooth muscle cells. <i>Biochemical Society Transactions</i> , 1996 , 24, 446S	5.1	8
72	Thiazide-induced hyperglycaemia: a role for calcium-activated potassium channels?. <i>Diabetologia</i> , 1996 , 39, 861-4	10.3	6

71	Platelet-derived growth factor (PDGF): actions and mechanisms in vascular smooth muscle. <i>General Pharmacology</i> , 1996 , 27, 1079-89		109
70	Enhanced tissue polyamine content in the spontaneously hypertensive rat. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1996 , 23, 410-4	3	11
69	Structural changes in the cardiovascular system of untreated essential hypertensives. <i>Blood Pressure</i> , 1995 , 4, 42-7	1.7	12
68	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		
67	Action of angiotensin II, 5-hydroxytryptamine and adenosine triphosphate on ionic currents in single ear artery cells of the rabbit. <i>British Journal of Pharmacology</i> , 1995 , 116, 2148-54	8.6	19
66	The mechanism of action of alpha 2-adrenoceptors in human isolated subcutaneous resistance arteries. <i>British Journal of Pharmacology</i> , 1995 , 115, 1463-8	8.6	16
65	pp60c-src increases voltage-operated calcium channel currents in vascular smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 1995 , 217, 1039-44	3.4	67
64	Effects of tyrosine kinase inhibitors on the contractility of rat mesenteric resistance arteries. <i>British Journal of Pharmacology</i> , 1995 , 114, 1266-72	8.6	54
63	Increase in tone and intracellular Ca ²⁺ in rabbit isolated ear artery by platelet-derived growth factor. <i>British Journal of Pharmacology</i> , 1995 , 114, 138-42	8.6	29
62	Effect of platelet-derived growth factor on voltage-operated calcium channels in rabbit isolated ear artery cells. <i>British Journal of Pharmacology</i> , 1995 , 115, 534-8	8.6	26
61	Relaxation and decrease in [Ca ²⁺] _i by hydrochlorothiazide in guinea-pig isolated mesenteric arteries. <i>British Journal of Pharmacology</i> , 1995 , 114, 703-7	8.6	26
60	Inhibition of norepinephrine and caffeine-induced activation by ryanodine and thapsigargin in rat mesenteric arteries. <i>Journal of Cardiovascular Pharmacology</i> , 1995 , 25, 840-6	3.1	17
59	Role of polyamines in hypertension induced by angiotensin II. <i>Cardiovascular Research</i> , 1995 , 29, 50-56	9.9	11
58	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	5.1	4
57	AIF4 ⁻ inhibits influx of Ca ²⁺ into vascular smooth muscle cells. <i>Biochemical Society Transactions</i> , 1995 , 23, 171S	5.1	
56	Angiotensin II receptors are exclusively of the AT1 subtype in cultured human vascular smooth muscle cells. <i>Biochemical Society Transactions</i> , 1995 , 23, 458S	5.1	1
55	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	5.1	3
54	Calcium channels in vascular smooth muscle cells. <i>Journal of Vascular Research</i> , 1995 , 32, 353-70	1.9	81

53	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, 481-5	3.1	13
52	Hypertension and blood vessels. <i>British Medical Bulletin</i> , 1994 , 50, 356-70	5.4	10
51	Action of heparin and ruthenium red on responses of reversibly-permeabilised rat mesenteric arteries. <i>European Journal of Pharmacology</i> , 1994 , 268, 319-25		8
50	Multiple pathways for entry of calcium and other divalent cations in a vascular smooth muscle cell line (A7r5). <i>Cell Calcium</i> , 1994 , 15, 317-30	4	37
49	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, 766-72	4.6	74
48	A comparison of calcium channel currents in vascular smooth muscle cells from Watanabe hereditary hypercholesterolaemic and New Zealand white rabbits. <i>Biochemical Society Transactions</i> , 1994 , 22, 361S	5.1	1
47	Low density lipoprotein and calcium homeostasis in human vascular smooth muscle cells. <i>Biochemical Society Transactions</i> , 1994 , 22, 145S	5.1	1
46	The action of amlodipine on voltage-operated calcium channels in vascular smooth muscle. <i>British Journal of Pharmacology</i> , 1993 , 109, 120-5	8.6	11
45	Force, membrane potential, and $[Ca^{2+}]_i$ during activation of rat mesenteric small arteries with norepinephrine, potassium, aluminum fluoride, and phorbol ester. Effects of changes in pHi. <i>Circulation Research</i> , 1993 , 73, 314-24	15.7	52
44	Modulation of calcium channels in arterial smooth muscle cells by dihydropyridine enantiomers. <i>Journal of General Physiology</i> , 1993 , 101, 393-410	3.4	24
43	Effect of nifedipine and glyceryl trinitrate on retinal blood flow in normal subjects. <i>Journal of Human Hypertension</i> , 1993 , 7, 399-401	2.6	7
42	Celiprolol. <i>Lancet, The</i> , 1992 , 339, 247	4.0	1
41	Neurally evoked responses of human isolated resistance arteries are mediated by both alpha 1- and alpha 2-adrenoceptors. <i>British Journal of Pharmacology</i> , 1992 , 106, 568-73	8.6	18
40	Anaphylactoid response to intravenous acetylcysteine. <i>Lancet, The</i> , 1992 , 339, 1231-2	4.0	20
39	Tyrosine kinase inhibitors block calcium channel currents in vascular smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 1992 , 189, 1620-3	3.4	141
38	Chloride and bicarbonate transport in rat resistance arteries. <i>Journal of Physiology</i> , 1991 , 436, 57-73	3.9	53
37	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, 462-6	4.6	53
36	Mechanism of the vasodilator action of pinacidil. <i>Journal of Vascular Research</i> , 1990 , 27, 314-8	1.9	4

35	Evidence that agonist and antagonist enantiomers of the dihydropyridine PN 202-791 act at different sites on the voltage-dependent calcium channel of vascular muscle. <i>British Journal of Pharmacology</i> , 1990 , 101, 3-5	8.6	16
34	Sorption of binary gas mixtures in zeolites. <i>Separation and Purification Technology</i> , 1989 , 3, 56-64		25
33	Specific binding of 125I SCH 23982, a selective dopamine (D1) receptor ligand to plasma membranes derived from human kidney cortex. <i>Biochemical Pharmacology</i> , 1989 , 38, 781-5	6	8
32	Postjunctional alpha 2-adrenoceptors mediate vasoconstriction in human subcutaneous resistance vessels. <i>British Journal of Pharmacology</i> , 1989 , 97, 829-34	8.6	41
31	The action of dopamine and vascular dopamine (DA1) receptor agonists on human isolated subcutaneous and omental small arteries. <i>British Journal of Pharmacology</i> , 1989 , 97, 950-6	8.6	6
30	The effect of atrial natriuretic peptide on human isolated resistance arteries. <i>British Journal of Pharmacology</i> , 1989 , 97, 1027-30	8.6	12
29	Human Vascular Responses to Endothelin-1. <i>Journal of Cardiovascular Pharmacology</i> , 1989 , 13, S225-228 _{3,1}		29
28	Intracellular pH and calcium in vascular smooth muscle. <i>Biochemical Society Transactions</i> , 1989 , 17, 506-507		2
27	Autoradiographic localization of dopamine D1 receptors in human renal cortex. <i>Biochemical Society Transactions</i> , 1989 , 17, 918-919	5.1	2
26	Action of fenoldopam, a selective dopamine (DA1) receptor agonist, on isolated human arteries. <i>Journal of Vascular Research</i> , 1989 , 26, 119-27	1.9	6
25	Endocrine cell hyperplasia and appendiceal carcinoids. <i>Journal of Pathology</i> , 1988 , 156, 325-9	9.4	13
24	Action of dopamine on isolated human saphenous veins. <i>Journal of Cardiovascular Pharmacology</i> , 1988 , 11, 373-7	3.1	7
23	Size and site-dependent heterogeneity of human vascular responses in vitro. <i>Journal of Hypertension</i> , 1988 , 6, S173-5	1.9	17
22	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, 589-92	3.1	12
21	Endothelium-dependent relaxation in isolated human arteries and veins. <i>Clinical Science</i> , 1987 , 73, 547-50.5		74
20	Dopamine produces forearm vasodilatation following alpha-adrenoceptor blockade by an action on vascular dopamine (DA1) receptors in man. <i>Journal of Hypertension</i> , 1987 , 5, 337-40	1.9	10
19	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, 139-44	3.8	73
18	Ergometrine and bronchospasm. <i>Anaesthesia</i> , 1987 , 42, 1115-6	6.6	1

17	Demonstration of Vascular Dopamine Receptors in the Human Forearm Arterial Circulation. <i>Journal of Hypertension</i> , 1986 , 4, 791	1.9	4
16	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, 535-40	3.8	34
15	The action of beta-adrenoceptor agonists on acid secretion by the rat isolated stomach. <i>Journal of Physiology</i> , 1981 , 316, 23-31	3.9	19
14	Wave intensity analysis: a novel non-invasive method for determining arterial wave transmission		7
13	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> , 3 , 67	4.8	13
12	The UK COVID-19 furlough scheme and associations with smoking, alcohol consumption and vaping: evidence from 8 UK longitudinal population surveys		1
11	Validation of lipid-related therapeutic targets for coronary heart disease prevention using human genetics		1
10	Assessing the causal role of body mass index on cardiovascular health in young adults: Mendelian randomization and recall-by-genotype analyses		3
9	The modified arterial reservoir: an update with consideration of asymptotic pressure (P _∞) and zero-flow pressure (P _{zf})		1
8	Changes in the behavioural determinants of health during the coronavirus (COVID-19) pandemic: gender, socioeconomic and ethnic inequalities in 5 British cohort studies		11
7	Genomic and phenomic insights from an atlas of genetic effects on DNA methylation		7
6	Cholesteryl Ester Transfer Protein as a Drug Target for Cardiovascular Disease		1
5	Inequality in access to health and care services during lockdown [Findings from the COVID-19 survey in five UK national longitudinal studies		5
4	Lipoprotein Signatures of Cholesteryl Ester Transfer Protein and HMG-CoA Reductase Inhibition		1
3	Image Quality Causes Substantial Bias in Three-Dimensional Speckle-Tracking Echocardiography Measures		2
2	The UK Coronavirus Job Retention Scheme and changes in diet, physical activity and sleep during the COVID-19 pandemic: Evidence from eight longitudinal studies		8
1	Studying accelerated cardiovascular ageing in Russian adults through a novel deep-learning ECG biomarker. <i>Wellcome Open Research</i> , 6 , 12	4.8	3