

# Alun D Hughes

## List of Publications by Year in descending order

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Version: 2024-02-01

686  
papers

25,749  
citations

8159

76  
h-index

12558

132  
g-index

751  
all docs

751  
docs citations

751  
times ranked

27961  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of afterload and infiltration on coexisting aortic stenosis and transthyretin amyloidosis. <i>Heart</i> , 2022, 108, 67-72.	1.2	8
2	Type 2 diabetes risks and determinants in second-generation migrants and mixed ethnicity people of South Asian and African Caribbean descent in the UK. <i>Diabetologia</i> , 2022, 65, 113-127.	2.9	7
3	Pre-existing polymerase-specific T cells expand in abortive seronegative SARS-CoV-2. <i>Nature</i> , 2022, 601, 110-117.	13.7	280
4	Multiphysics Modelling and Simulation of Thrombolysis via Activated Platelet-Targeted Nanomedicine. <i>Pharmaceutical Research</i> , 2022, 39, 41-56.	1.7	3
5	Glycoprotein Acetyls: A Novel Inflammatory Biomarker of Early Cardiovascular Risk in the Young. <i>Journal of the American Heart Association</i> , 2022, 11, e024380.	1.6	35
6	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.	1.3	2
7	The UK Coronavirus Job Retention Scheme and diet, physical activity, and sleep during the COVID-19 pandemic: evidence from eight longitudinal population surveys. <i>BMC Medicine</i> , 2022, 20, 147.	2.3	8
8	Study protocol: MyoFit46—the cardiac sub-study of the MRC National Survey of Health and Development. <i>BMC Cardiovascular Disorders</i> , 2022, 22, 140.	0.7	4
9	Is carotid artery atherosclerosis associated with poor cognitive function assessed using the Mini-Mental State Examination? A systematic review and meta-analysis. <i>BMJ Open</i> , 2022, 12, e055131.	0.8	3
10	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.	1.1	1
11	Relationship Between Image Quality and Bias in 3D Echocardiographic Measures: Data From the SABRE (Southall and Brent Revisited) Study. <i>Journal of the American Heart Association</i> , 2022, 11, e019183.	1.6	6
12	Bayesian Nonparametric Modelling of Multiple Graphs with an Application to Ethnic Metabolic Differences. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2022, 71, 1181-1204.	0.5	1
13	Association between carotid atherosclerosis and brain activation patterns during the Stroop task in older adults: An fNIRS investigation. <i>NeuroImage</i> , 2022, 257, 119302.	2.1	3
14	A lifecourse mendelian randomization study highlights the long-term influence of childhood body size on later life heart structure. <i>PLoS Biology</i> , 2022, 20, e3001656.	2.6	11
15	Metabolic profiles of socio-economic position: a multi-cohort analysis. <i>International Journal of Epidemiology</i> , 2021, 50, 768-782.	0.9	15
16	Age matters: differences in exercise-induced cardiovascular remodelling in young and middle aged healthy sedentary individuals. <i>European Journal of Preventive Cardiology</i> , 2021, 28, 738-746.	0.8	10
17	Cardiovascular disease recurrence and long-term mortality in a tri-ethnic British cohort. <i>Heart</i> , 2021, 107, 996-1002.	1.2	7
18	Feasibility and Validity of Computed Tomography-Derived Fractional Flow Reserve in Patients With Severe Aortic Stenosis. <i>Circulation: Cardiovascular Interventions</i> , 2021, 14, e009586.	1.4	30

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19	Joint Modeling of Individual Trajectories, Within-Individual Variability, and a Later Outcome: Systolic Blood Pressure Through Childhood and Left Ventricular Mass in Early Adulthood. <i>American Journal of Epidemiology</i> , 2021, 190, 652-662.	1.6	5
20	Establishing reference intervals for triglyceride-containing lipoprotein subfraction metabolites measured using nuclear magnetic resonance spectroscopy in a UK population. <i>Annals of Clinical Biochemistry</i> , 2021, 58, 47-53.	0.8	2
21	Determinants of Intima-Media Thickness in the Young. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 468-478.	2.3	43
22	Identifying Isolated Systolic Hypertension From Upper-Arm Cuff Blood Pressure Compared With Invasive Measurements. <i>Hypertension</i> , 2021, 77, 632-639.	1.3	4
23	Medical Curriculum: How Do We Manage Incidental Findings in Educational Settings?. <i>Medical Science Educator</i> , 2021, 31, 893-895.	0.7	0
24	Sex differences in the contribution of different physiological systems to physical function in older adults. <i>GeroScience</i> , 2021, 43, 443-455.	2.1	3
25	Physiological and clinical insights from reservoir-excess pressure analysis. <i>Journal of Human Hypertension</i> , 2021, 35, 758-768.	1.0	7
26	Longitudinal birth cohort study finds that life-course frailty associates with later-life heart size and function. <i>Scientific Reports</i> , 2021, 11, 6272.	1.6	6
27	Puberty timing and markers of cardiovascular structure and function at 25 years: a prospective cohort study. <i>BMC Medicine</i> , 2021, 19, 78.	2.3	10
28	Evaluating access to health and care services during lockdown by the COVID-19 survey in five UK national longitudinal studies. <i>BMJ Open</i> , 2021, 11, e045813.	0.8	57
29	Study Protocol: The Heart and Brain Study. <i>Frontiers in Physiology</i> , 2021, 12, 643725.	1.3	2
30	Metformin and carotid intima-media thickness in never-smokers with type 1 diabetes: The REMOVAL trial. <i>Diabetes, Obesity and Metabolism</i> , 2021, 23, 1371-1378.	2.2	11
31	Distinct Body Mass Index Trajectories to Young-Adulthood Obesity and Their Different Cardiometabolic Consequences. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 1580-1593.	1.1	14
32	ELEVATED EXCESS PRESSURE INTEGRAL IS ASSOCIATED WITH VASCULAR BIOMARKERS OF SUBCLINICAL ATHEROSCLEROSIS IN OLDER ADULTS. <i>Journal of Hypertension</i> , 2021, 39, e314.	0.3	0
33	Impact of lockdown on key workers: findings from the COVID-19 survey in four UK national longitudinal studies. <i>Journal of Epidemiology and Community Health</i> , 2021, 75, 955-962.	2.0	15
34	SUBSTANTIAL CHANGES IN CARDIOVASCULAR HEALTH OCCUR FROM ADOLESCENCE TO EMERGING ADULTHOOD. <i>Journal of Hypertension</i> , 2021, 39, e4.	0.3	0
35	Cardiorespiratory fitness, fatness, and the acute blood pressure response to exercise in adolescence. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021, 31, 1693-1698.	1.3	5
36	Prognostic Value of Pulmonary Transit Time and Pulmonary Blood Volume Estimation Using Myocardial Perfusion CMR. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 2107-2119.	2.3	18

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37	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.	1.0	1
38	Changes in the behavioural determinants of health during the COVID-19 pandemic: gender, socioeconomic and ethnic inequalities in five British cohort studies. <i>Journal of Epidemiology and Community Health</i> , 2021, 75, 1136-1142.	2.0	62
39	182â€¦Tissue doppler Eâ€™™ velocity and E/eâ€™™ predict 19-year cardiovascular mortality in hypertension. , 2021, , .		0
40	93â€¦Insulin resistance is associated with QT prolongation in the 1946 british birth cohort. , 2021, , .		0
41	2â€¦Differential effects of left ventricular hypertrophy on coronary haemodynamics in aortic stenosis and hypertension. , 2021, , .		1
42	Patients with aortic stenosis exhibit early improved endothelial function following transcatheter aortic valve replacement: The eFAST study. <i>International Journal of Cardiology</i> , 2021, 332, 143-147.	0.8	5
43	Blood pressure variability and night-time dipping assessed by 24-hour ambulatory monitoring: Cross-sectional association with cardiac structure in adolescents. <i>PLoS ONE</i> , 2021, 16, e0253196.	1.1	4
44	118â€¦Life-course environment-wide association study (EWAS) for left ventricular diastolic dysfunction in the 1946 British birth cohort. , 2021, , .		1
45	191â€¦Associations of non-alcoholic fatty liver disease with subclinical atherosclerosis and echocardiography measurements in young adults. , 2021, , .		0
46	Fibrinogen-mimicking, multiarm nanovesicles for human thrombus-specific delivery of tissue plasminogen activator and targeted thrombolytic therapy. <i>Science Advances</i> , 2021, 7, .	4.7	33
47	190â€¦Association between carotid distensibility and heart rate variability in older age. , 2021, , .		0
48	Reservoir-Excess Pressure Parameters Independently Predict Cardiovascular Events in Individuals With Type 2 Diabetes. <i>Hypertension</i> , 2021, 78, 40-50.	1.3	4
49	The Relationship Between Oxygen Uptake and the Rate of Myocardial Deformation During Exercise. <i>Bioengineered</i> , 2021, 10, 85-93.	1.4	0
50	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.	1.6	0
51	1517The effect of pregnancy on cardiovascular health in early adulthood: a difference in difference analysis. <i>International Journal of Epidemiology</i> , 2021, 50, .	0.9	0
52	Socioeconomic inequalities in prevalence and development of multimorbidity across adulthood: A longitudinal analysis of the MRC 1946 National Survey of Health and Development in the UK. <i>PLoS Medicine</i> , 2021, 18, e1003775.	3.9	14
53	Genomic and phenotypic insights from an atlas of genetic effects on DNA methylation. <i>Nature Genetics</i> , 2021, 53, 1311-1321.	9.4	218
54	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.	1.5	1

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55	Limited value of pulse wave analysis in assessing arterial wave reflection and stiffness in the pulmonary artery. <i>Physiological Reports</i> , 2021, 9, e15024.	0.7	1
56	Blood transcriptional biomarkers of acute viral infection for detection of pre-symptomatic SARS-CoV-2 infection: a nested, case-control diagnostic accuracy study. <i>Lancet Microbe</i> , The, 2021, 2, e508-e517.	3.4	52
57	Covid-19 Effects on ARTERial Stiffness and Vascular AgeiNg: CARTESIAN Study Rationale and Protocol. <i>Artery Research</i> , 2021, 27, 59.	0.3	19
58	Cholesteryl ester transfer protein (CETP) as a drug target for cardiovascular disease. <i>Nature Communications</i> , 2021, 12, 5640.	5.8	57
59	Validation of lipid-related therapeutic targets for coronary heart disease prevention using human genetics. <i>Nature Communications</i> , 2021, 12, 6120.	5.8	13
60	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> , 2021, 17, 153-164.	0.4	2
61	12â€...Myocardial inflammation and diffuse fibrosis underpin the electrophysiological derangements of the ageing human heartâ€“A CMR-ECGI study. , 2021, , .		0
62	11â€...A medical device-grade T2 phantom for quality assurance of inflammation imaging by CMR. , 2021, , .		0
63	Excess pressure as an analogue of blood flow velocity. <i>Journal of Hypertension</i> , 2021, 39, 421-427.	0.3	5
64	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.	1.1	1
65	Age-specific reference values for carotid arterial stiffness estimated by ultrasonic wall tracking. <i>Journal of Human Hypertension</i> , 2020, 34, 214-222.	1.0	34
66	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.	0.8	8
67	Masked hypertension and submaximal exercise blood pressure among adolescents from the Avon Longitudinal Study of Parents and Children (ALSPAC). <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 25-30.	1.3	17
68	Non-invasive assessment of ventriculo-arterial coupling using aortic wave intensity analysis combining central blood pressure and phase-contrast cardiovascular magnetic resonance. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 805-813.	0.5	17
69	Influence of Renal Transplantation and Living Kidney Donation on Large Artery Stiffness and Peripheral Vascular Resistance. <i>American Journal of Hypertension</i> , 2020, 33, 234-242.	1.0	10
70	Improvements in Skeletal Muscle Can Be Detected Using Broadband NIRS in First-Time Marathon Runners. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1232, 245-251.	0.8	2
71	Training for a First-Time Marathon Reverses Age-Related Aortic Stiffening. <i>Journal of the American College of Cardiology</i> , 2020, 75, 60-71.	1.2	40
72	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.	2.9	8

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73	Role of the Metabolic Profile in Mediating the Relationship Between Body Mass Index and Left Ventricular Mass in Adolescents: Analysis of a Prospective Cohort Study. <i>Journal of the American Heart Association</i> , 2020, 9, e016564.	1.6	5
74	Cohort Profile Update: Southall and Brent Revisited (SABRE) study: a UK population-based comparison of cardiovascular disease and diabetes in people of European, South Asian and African Caribbean heritage. <i>International Journal of Epidemiology</i> , 2020, 49, 1441-1442e.	0.9	21
75	Mechanisms of Aortic Flow Deceleration and the Effect of Wave Reflection on Left Ventricular Function. <i>Frontiers in Physiology</i> , 2020, 11, 578701.	1.3	5
76	THE PREVALENCE OF SUBCLINICAL LEFT VENTRICULAR SYSTOLIC DYSFUNCTION BY 3D-GLOBAL LONGITUDINAL STRAIN IN SOUTH ASIANS COMPARED TO WHITES EUROPEANS AND THE ROLE OF CENTRAL OBESITY: THE SOUTHALL AND BRENT REVISITED (SABRE) STUDY. <i>Journal of the American College of Cardiology</i> , 2020, 75, 1656.	1.2	3
77	Cuff Under Pressure for Greater Accuracy. <i>Current Hypertension Reports</i> , 2020, 22, 93.	1.5	4
78	Subclinical macro and microvascular disease is differently associated with depressive symptoms in men and women: Findings from the SABRE population-based study. <i>Atherosclerosis</i> , 2020, 312, 35-42.	0.4	0
79	Imaging Protocol, Feasibility, and Reproducibility of Cardiovascular Phenotyping in a Large Tri-Ethnic Population-Based Study of Older People: The Southall and Brent Revisited (SABRE) Study. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 591946.	1.1	6
80	Vascular risk factors and amyloid pathology: Additive or interactive associations?. <i>Alzheimer's and Dementia</i> , 2020, 16, e037922.	0.4	0
81	Lifetime cigarette smoking and later-life brain health: The population-based 1946 British Birth Cohort. <i>Alzheimer's and Dementia</i> , 2020, 16, e041111.	0.4	1
82	Mid-life blood pressure and microstructural white matter: Findings from the 1946 British birth cohort. <i>Alzheimer's and Dementia</i> , 2020, 16, e045707.	0.4	0
83	Genetic aetiology of blood pressure relates to aortic stiffness with bi-directional causality: evidence from heritability, blood pressure polymorphisms, and Mendelian randomization. <i>European Heart Journal</i> , 2020, 41, 3314-3322.	1.0	27
84	Recreational marathon running does not cause exercise-induced left ventricular hypertrabeculation. <i>International Journal of Cardiology</i> , 2020, 315, 67-71.	0.8	10
85	Effect of adiposity on differences in carotid plaque burden in studies conducted in Norway and Russia: a cross-sectional analysis of two populations at very different risk of cardiovascular mortality. <i>BMJ Open</i> , 2020, 10, e036583.	0.8	3
86	Reply. <i>Journal of the American College of Cardiology</i> , 2020, 75, 2278-2279.	1.2	0
87	Acute Effects of Transcatheter Aortic Valve Replacement on Central Aortic Hemodynamics in Patients With Severe Aortic Stenosis. <i>Hypertension</i> , 2020, 75, 1557-1564.	1.3	12
88	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.	1.1	12
89	The modified arterial reservoir: An update with consideration of asymptotic pressure ( $P_{\infty}$ ) and zero-flow pressure ( $P_{zf}$ ). <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2020, 234, 1288-1299.	1.0	17
90	Feasibility of Estimation of Aortic Wave Intensity Using Non-invasive Pressure Recordings in the Absence of Flow Velocity in Man. <i>Frontiers in Physiology</i> , 2020, 11, 550.	1.3	10

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91	Circulating Fatty Acids and Risk of Coronary Heart Disease and Stroke: Individual Participant Data Meta-Analysis in Up to 16126 Participants. <i>Journal of the American Heart Association</i> , 2020, 9, e013131.	1.6	36
92	The association between anthropometric measures of adiposity and the progression of carotid atherosclerosis. <i>BMC Cardiovascular Disorders</i> , 2020, 20, 138.	0.7	8
93	Angiographic Functional Scoring of Coronary Artery Disease Predicts Mortality in Patients With Severe Aortic Stenosis Undergoing TAVR. <i>Cardiovascular Revascularization Medicine</i> , 2020, 21, 1336-1342.	0.3	0
94	The influence of fitness on exercise blood pressure and its association with cardiac structure in adolescence. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 1033-1039.	1.3	4
95	Influence of Age on Upper Arm Cuff Blood Pressure Measurement. <i>Hypertension</i> , 2020, 75, 844-850.	1.3	27
96	Associations between high blood pressure and DNA methylation. <i>PLoS ONE</i> , 2020, 15, e0227728.	1.1	37
97	Cardiovascular Remodeling Experienced by Real-World, Unsupervised, Young Novice Marathon Runners. <i>Frontiers in Physiology</i> , 2020, 11, 232.	1.3	12
98	Yoga-Based Cardiac Rehabilitation After Acute Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2020, 75, 1551-1561.	1.2	55
99	Triglyceride-containing lipoprotein sub-fractions and risk of coronary heart disease and stroke: A prospective analysis in 11,560 adults. <i>European Journal of Preventive Cardiology</i> , 2020, 27, 1617-1626.	0.8	19
100	490-P: Renal Effects of Metformin in Type 1 Diabetes (T1D): The REMOVAL Trial. <i>Diabetes</i> , 2020, 69, .	0.3	0
101	OP21-...Inequalities in the prevalence and development of multimorbidity across adulthood: findings from the 1946 national survey of health & development. , 2020, , .		0
102	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.	0.6	0
103	Automatic artery/vein classification in colour retinal images. , 2020, , .		3
104	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.	0.3	2
105	YI 1.2 Ideal Cardiovascular Health Score Declines from Adolescence to Emerging Adulthood. <i>Artery Research</i> , 2020, 26, S2-S2.	0.3	0
106	Cardiovascular disease recurrence and long-term mortality in a tri-ethnic British cohort: a retrospective study. <i>European Heart Journal</i> , 2020, 41, .	1.0	0
107	Associations between life-course frailty and later-life heart size and function in the 1946 NSHD British birth cohort-an epidemiological study. <i>European Heart Journal</i> , 2020, 41, .	1.0	0
108	Associations between high blood pressure and DNA methylation. , 2020, 15, e0227728.		0

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109	Associations between high blood pressure and DNA methylation. , 2020, 15, e0227728.		0
110	Associations between high blood pressure and DNA methylation. , 2020, 15, e0227728.		0
111	Associations between high blood pressure and DNA methylation. , 2020, 15, e0227728.		0
112	Associations between high blood pressure and DNA methylation. , 2020, 15, e0227728.		0
113	Associations between high blood pressure and DNA methylation. , 2020, 15, e0227728.		0
114	Multicenter Randomized Controlled Crossover Trial Comparing Hemodynamic Optimization Against Echocardiographic Optimization of AVÅand VV Delay of Cardiac Resynchronization Therapy. JACC: Cardiovascular Imaging, 2019, 12, 1407-1416.	2.3	20
115	&lt;p&gt;Prognostic implications of left ventricular strain by speckle-tracking echocardiography in the general population: a meta-analysis&lt;/p&gt;. Vascular Health and Risk Management, 2019, Volume 15, 229-251.	1.0	32
116	Sex and regional differences in myocardial plasticity in aortic stenosis are revealed by 3D model machine learning. European Heart Journal Cardiovascular Imaging, 2019, 21, 417-427.	0.5	7
117	The relationship between pubertal timing and markers of vascular and cardiac structure and function in men and women aged 60â€“64 years. Scientific Reports, 2019, 9, 11037.	1.6	14
118	133DEPRESSIVE SYMPTOMS ARE ASSOCIATED WITH PERCEIVED, NOT OBJECTIVE, EXERTION DURING EXERCISE IN EUROPEAN, INDIAN ASIAN AND AFRICAN-CARIBBEAN GROUPS. Age and Ageing, 2019, 48, i38-i38.	0.7	0
119	Impact of Kidney Function on Cardiovascular Risk and Mortality: A Comparison of South Asian and European Cohorts. American Journal of Nephrology, 2019, 50, 425-433.	1.4	14
120	Reproducibility of Left Ventricular Dyssynchrony Indices by Three-Dimensional Speckle-Tracking Echocardiography: The Impact of Sub-optimal Image Quality. Frontiers in Cardiovascular Medicine, 2019, 6, 149.	1.1	7
121	Identification of Distinct Arterial Waveform Clusters and a Longitudinal Evaluation of Their Clinical Usefulness. Hypertension, 2019, 74, 921-928.	1.3	7
122	Computational simulations of thrombolysis in acute stroke: Effect of clot size and location on recanalisation. Medical Engineering and Physics, 2019, 73, 9-17.	0.8	10
123	A Multicenter, Scan-Rescan, Human and Machine Learning CMR Study to Test Generalizability and Precision in Imaging Biomarker Analysis. Circulation: Cardiovascular Imaging, 2019, 12, e009214.	1.3	75
124	Response to â€“Does smoking or alcohol cause early vascular damage in teenage years?â€™. European Heart Journal, 2019, 40, 3497-3497.	1.0	0
125	Impact of pulmonary endarterectomy on pulmonary arterial wave propagation and reservoir function. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H505-H516.	1.5	17
126	Development of a Yoga-Based Cardiac Rehabilitation (Yoga-CaRe) Programme for Secondary Prevention of Myocardial Infarction. Evidence-based Complementary and Alternative Medicine, 2019, 2019, 1-7.	0.5	12



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127	Association between fat mass through adolescence and arterial stiffness: a population-based study from The Avon Longitudinal Study of Parents and Children. <i>The Lancet Child and Adolescent Health</i> , 2019, 3, 474-481.	2.7	45
128	Augmentation index is not a proxy for wave reflection magnitude: mechanistic analysis using a computational model. <i>Journal of Applied Physiology</i> , 2019, 127, 491-500.	1.2	36
129	Cortical cerebral blood flow in ageing: effects of haematocrit, sex, ethnicity and diabetes. <i>European Radiology</i> , 2019, 29, 5549-5558.	2.3	22
130	Data on trajectories of measures of cardiovascular health in the Avon Longitudinal Study of Parents and Children (ALSPAC). <i>Data in Brief</i> , 2019, 23, 103687.	0.5	30
131	A Double-Blind Placebo-Controlled Crossover Study of the Effect of Beetroot Juice Containing Dietary Nitrate on Aortic and Brachial Blood Pressure Over 24 h. <i>Frontiers in Physiology</i> , 2019, 10, 47.	1.3	11
132	Mathematical Modelling of Intravenous Thrombolysis in Acute Ischaemic stroke: Effects of Dose Regimens on Levels of Fibrinolytic Proteins and Clot Lysis Time. <i>Pharmaceutics</i> , 2019, 11, 111.	2.0	15
133	Adaptations to Coronary Physiology in a Patient With Severe Aortic Stenosis and Complete Heart Block Undergoing Transcatheter Aortic Valve Replacement. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 687-689.	1.1	2
134	Carotid artery wave intensity in mid- to late-life predicts cognitive decline: the Whitehall II study. <i>European Heart Journal</i> , 2019, 40, 2300-2309.	1.0	57
135	Improving haemodynamic optimization of cardiac resynchronization therapy for heart failure. <i>Physiological Measurement</i> , 2019, 40, 04NT01.	1.2	0
136	An activated-platelet-sensitive nanocarrier enables targeted delivery of tissue plasminogen activator for effective thrombolytic therapy. <i>Journal of Controlled Release</i> , 2019, 300, 1-12.	4.8	61
137	3D echocardiography-derived indices of left ventricular function and structure predict long-term mortality differently in men and women: the Southall And Brent Revisited (SABRE) study. , 2019, , .		4
138	Novice marathon training reverses vascular ageing. , 2019, , .		0
139	ALTERED CENTRAL HAEMODYNAMIC PARAMETERS DERIVED FROM RESERVOIR PRESSURE ANALYSIS. <i>Journal of Hypertension</i> , 2019, 37, e307.	0.3	0
140	INCREASED PULSE PRESSURE ASSOCIATED WITH A DECLINE IN BRAIN STRUCTURE AND FUNCTION. <i>Journal of Hypertension</i> , 2019, 37, e218-e219.	0.3	1
141	Yoga and Cardiovascular Health Trial (YACHT): a UK-based randomised mechanistic study of a yoga intervention plus usual care versus usual care alone following an acute coronary event. <i>BMJ Open</i> , 2019, 9, e030119.	0.8	17
142	Lipoprotein signatures of cholesteryl ester transfer protein and HMG-CoA reductase inhibition. <i>PLoS Biology</i> , 2019, 17, e3000572.	2.6	29
143	Association between depressive symptoms and perceived exertion during exercise: observational population-based cohort study of European, Indian Asian, and African-Caribbean older adults. <i>Lancet, The</i> , 2019, 394, S62.	6.3	0
144	Application of the DILEMMA score to improve lesion selection for invasive physiological assessment. <i>Catheterization and Cardiovascular Interventions</i> , 2019, 94, E96-E103.	0.7	9

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145	Effectiveness and cost-effectiveness of a Yoga-based Cardiac Rehabilitation (Yoga-CaRe) program following acute myocardial infarction: Study rationale and design of a multi-center randomized controlled trial. <i>International Journal of Cardiology</i> , 2019, 280, 14-18.	0.8	21
146	Effects of bariatric surgery on retinal microvascular architecture in obese patients. <i>International Journal of Obesity</i> , 2019, 43, 1675-1680.	1.6	12
147	Left atrial function in heart failure with mid-range ejection fraction differs from that of heart failure with preserved ejection fraction: a 2D speckle-tracking echocardiographic study. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 279-290.	0.5	39
148	Early vascular damage from smoking and alcohol in teenage years: the ALSPAC study. <i>European Heart Journal</i> , 2019, 40, 345-353.	1.0	46
149	Submaximal exercise blood pressure and cardiovascular structure in adolescence. <i>International Journal of Cardiology</i> , 2019, 275, 152-157.	0.8	11
150	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.	0.9	12
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