

Robert E Shave

List of Publications by Citations

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

78
papers

2,862
citations

31
h-index

52
g-index

90
ext. papers

3,285
ext. citations

3.5
avg, IF

4.8
L-index

#	Paper	IF	Citations
78	Exercise-induced cardiac troponin elevation: evidence, mechanisms, and implications. <i>Journal of the American College of Cardiology</i> , 2010 , 56, 169-76	15.1	286
77	Elevation in cerebral blood flow velocity with aerobic fitness throughout healthy human ageing. <i>Journal of Physiology</i> , 2008 , 586, 4005-10	3.9	261
76	Systematic review and meta-analysis of training mode, imaging modality and body size influences on the morphology and function of the male athlete's heart. <i>Heart</i> , 2013 , 99, 1727-33	5.1	152
75	Cardiac troponin T release is stimulated by endurance exercise in healthy humans. <i>Journal of the American College of Cardiology</i> , 2008 , 52, 1813-4	15.1	128
74	Exercise-associated increases in cardiac biomarkers. <i>Medicine and Science in Sports and Exercise</i> , 2008 , 40, 1408-15	1.2	108
73	Left ventricular function immediately following prolonged exercise: A meta-analysis. <i>Medicine and Science in Sports and Exercise</i> , 2006 , 38, 681-7	1.2	93
72	Cardiovascular consequences of completing a 160-km ultramarathon. <i>Medicine and Science in Sports and Exercise</i> , 2009 , 41, 26-34	1.2	79
71	Cardiac troponin I is released following high-intensity short-duration exercise in healthy humans. <i>International Journal of Cardiology</i> , 2010 , 145, 337-339	3.2	70
70	"Exercise-induced cardiac fatigue"--a review of the echocardiographic literature. <i>Echocardiography</i> , 2010 , 27, 1130-40	1.5	67
69	Left ventricular mechanical limitations to stroke volume in healthy humans during incremental exercise. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 301, H478-87	5.2	67
68	British adults' views on the health benefits of moderate and vigorous activity. <i>Preventive Medicine</i> , 2007 , 45, 432-5	4.3	64
67	Does the human heart fatigue subsequent to prolonged exercise?. <i>Sports Medicine</i> , 2003 , 33, 365-80	10.6	64
66	Corticomotor excitability contributes to neuromuscular fatigue following marathon running in man. <i>Experimental Physiology</i> , 2007 , 92, 417-26	2.4	61
65	Exercise-Induced Left Ventricular Remodeling Among Competitive Athletes: A Phasic Phenomenon. <i>Circulation: Cardiovascular Imaging</i> , 2015 , 8,	3.9	57
64	Effect of prolonged walking on cardiac troponin levels. <i>American Journal of Cardiology</i> , 2010 , 105, 267-73		56
63	Beta-adrenergic receptor desensitization in man: insight into post-exercise attenuation of cardiac function. <i>Journal of Physiology</i> , 2006 , 577, 717-25	3.9	52
62	Left ventricular wall segment motion after ultra-endurance exercise in humans assessed by myocardial speckle tracking. <i>European Journal of Echocardiography</i> , 2009 , 10, 238-43		50

61	Ventricular structure, function, and mechanics at high altitude: chronic remodeling in Sherpa vs. short-term lowlander adaptation. <i>Journal of Applied Physiology</i> , 2014 , 117, 334-43	3.7	49
60	The effects of age on the spontaneous low-frequency oscillations in cerebral and systemic cardiovascular dynamics. <i>Physiological Measurement</i> , 2008 , 29, 1055-69	2.9	48
59	Exercise-induced cardiac injury: evidence from novel imaging techniques and highly sensitive cardiac troponin assays. <i>Progress in Cardiovascular Diseases</i> , 2012 , 54, 407-15	8.5	47
58	Left ventricular mechanics in humans with high aerobic fitness: adaptation independent of structural remodelling, arterial haemodynamics and heart rate. <i>Journal of Physiology</i> , 2012 , 590, 2107-19 ^{3,9}		45
57	Effects of graded heat stress on global left ventricular function and twist mechanics at rest and during exercise in healthy humans. <i>Experimental Physiology</i> , 2011 , 96, 114-24	2.4	42
56	Predominance of normal left ventricular geometry in the male athlete's heart. <i>Heart</i> , 2014 , 100, 1264-7 ^{3,1}	3.1	41
55	Dehydration reduces left ventricular filling at rest and during exercise independent of twist mechanics. <i>Journal of Applied Physiology</i> , 2011 , 111, 891-7	3.7	41
54	Longitudinal plane colour tissue-Doppler myocardial velocities and their association with left ventricular length, volume, and mass in humans. <i>European Journal of Echocardiography</i> , 2008 , 9, 542-6		41
53	Novel application of flow propagation velocity and ischaemia-modified albumin in analysis of postexercise cardiac function in man. <i>Experimental Physiology</i> , 2006 , 91, 511-9	2.4	41
52	The influence of exercise upon cardiac biomarkers: a practical guide for clinicians and scientists. <i>Current Medicinal Chemistry</i> , 2007 , 14, 1427-36	4.3	40
51	Resting cardiopulmonary function in Paralympic athletes with cervical spinal cord injury. <i>Medicine and Science in Sports and Exercise</i> , 2012 , 44, 323-9	1.2	37
50	Changes in respiratory muscle and lung function following marathon running in man. <i>Journal of Sports Sciences</i> , 2008 , 26, 1295-301	3.6	37
49	Interpretation of two-dimensional and tissue Doppler-derived strain (epsilon) and strain rate data: is there a need to normalize for individual variability in left ventricular morphology?. <i>European Journal of Echocardiography</i> , 2009 , 10, 677-82		35
48	Effect of preload augmentation on pulsed wave and tissue Doppler echocardiographic indices of diastolic function after a marathon. <i>Journal of the American Society of Echocardiography</i> , 2007 , 20, 1393-9 ^{5,8}	5.8	33
47	Postexercise changes in left ventricular function: the evidence so far. <i>Medicine and Science in Sports and Exercise</i> , 2008 , 40, 1393-9	1.2	31
46	Impaired myocardial function does not explain reduced left ventricular filling and stroke volume at rest or during exercise at high altitude. <i>Journal of Applied Physiology</i> , 2015 , 119, 1219-27	3.7	29
45	The overlooked significance of plasma volume for successful adaptation to high altitude in Sherpa and Andean natives. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 16177-16179	11.5	29
44	Upper limits of physiological cardiac adaptation in ultramarathon runners. <i>Journal of the American College of Cardiology</i> , 2011 , 57, 754-5	15.1	26

43	The independent effects of hypovolaemia and pulmonary vasoconstriction on ventricular function and exercise capacity during acclimatisation to 3800m. <i>Journal of Physiology</i> , 2019 , 597, 1059-1072	3.9	25
42	Dysnatremia predicts a delayed recovery in collapsed ultramarathon runners. <i>Clinical Journal of Sport Medicine</i> , 2007 , 17, 289-96	3.2	25
41	Effects of abdominal binding on cardiorespiratory function in cervical spinal cord injury. <i>Respiratory Physiology and Neurobiology</i> , 2012 , 180, 275-82	2.8	23
40	Evidence of increased electro-mechanical delay in the left and right ventricle after prolonged exercise. <i>European Journal of Applied Physiology</i> , 2010 , 108, 581-7	3.4	22
39	Selection of endurance capabilities and the trade-off between pressure and volume in the evolution of the human heart. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 19905-19910	11.5	19
38	Arrhythmias and the athlete: mechanisms and clinical significance. <i>European Heart Journal</i> , 2007 , 28, 1399-401; author reply 1401	9.5	19
37	Alterations in Cardiac Mechanics Following Ultra-Endurance Exercise: Insights from Left and Right Ventricular Area-Deformation Loops. <i>Journal of the American Society of Echocardiography</i> , 2016 , 29, 879-887.e1 ¹⁹	5.8	19
36	Altered left ventricular diastolic filling following a marathon is a reproducible phenomenon. <i>International Journal of Cardiology</i> , 2007 , 122, 87-9	3.2	18
35	Mechanisms underlying reductions in stroke volume at rest and during exercise at high altitude. <i>European Journal of Sport Science</i> , 2016 , 16, 577-84	3.9	16
34	The right ventricle following ultra-endurance exercise: insights from novel echocardiography and 12-lead electrocardiography. <i>European Journal of Applied Physiology</i> , 2015 , 115, 71-80	3.4	16
33	Short-term adaptation and chronic cardiac remodelling to high altitude in lowlander natives and Himalayan Sherpa. <i>Experimental Physiology</i> , 2015 , 100, 1242-6	2.4	16
32	Influence of exercise training mode on arterial diameter: A systematic review and meta-analysis. <i>Journal of Science and Medicine in Sport</i> , 2016 , 19, 74-80	4.4	16
31	The female human heart at rest and during exercise: a review. <i>European Journal of Sport Science</i> , 2015 , 15, 286-95	3.9	14
30	"Exercise-induced increases in cardiac troponins in endurance athletes: a matter of exercise duration and intensity?". <i>Clinical Research in Cardiology</i> , 2008 , 97, 62-3; author reply 61	6.1	14
29	Cardiovascular response to prescribed detraining among recreational athletes. <i>Journal of Applied Physiology</i> , 2018 , 124, 813-820	3.7	12
28	Left ventricular energetics: new insight into the plasticity of regional contributions at rest and during exercise. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 306, H225-32	5.2	12
27	Reverse left ventricular remodeling: effect of cardiac rehabilitation exercise training in myocardial infarction patients with preserved ejection fraction. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2016 , 52, 370-8	4.4	12
26	The impact of chronic endurance and resistance training upon the right ventricular phenotype in male athletes. <i>European Journal of Applied Physiology</i> , 2015 , 115, 1673-82	3.4	11

25	Left ventricular myocardial strain and strain rates in sub-endocardial and sub-epicardial layers before and after a marathon. <i>European Journal of Applied Physiology</i> , 2010 , 109, 1191-6	3.4	11
24	High-intensity interval training versus moderate-intensity steady-state training in UK cardiac rehabilitation programmes (HIIT or MISS UK): study protocol for a multicentre randomised controlled trial and economic evaluation. <i>BMJ Open</i> , 2016 , 6, e012843	3	11
23	Alterations in left ventricular function and cardiac biomarkers as a consequence of repetitive endurance cycling. <i>European Journal of Sport Science</i> , 2009 , 9, 97-105	3.9	10
22	Effect of weightlifting upon left ventricular function and markers of cardiomyocyte damage. <i>Ergonomics</i> , 2005 , 48, 1585-93	2.9	10
21	Cardiac structure and function in adolescent Sherpa; effect of habitual altitude and developmental stage. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 310, H740-6	5.2	10
20	Systolic and Diastolic Left Ventricular Mechanics during and after Resistance Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 2025-2031	1.2	9
19	Exercise and the heart: can you have too much of a good thing?. <i>Medicine and Science in Sports and Exercise</i> , 2008 , 40, 1390-2	1.2	9
18	The effect of an acute bout of resistance exercise on carotid artery strain and strain rate. <i>Physiological Reports</i> , 2016 , 4, e12959	2.6	9
17	Electrocardiogram reference intervals for clinically normal wild-born chimpanzees (Pan troglodytes). <i>American Journal of Veterinary Research</i> , 2015 , 76, 688-93	1.1	8
16	Longitudinal and radial systolic myocardial tissue velocities after prolonged exercise. <i>Applied Physiology, Nutrition and Metabolism</i> , 2006 , 31, 256-60	3	7
15	Effect of exercise training on left ventricular mechanics after acute myocardial infarction-an exploratory study. <i>Annals of Physical and Rehabilitation Medicine</i> , 2018 , 61, 119-124	3.8	6
14	Reduced left ventricular filling following blood volume extraction does not result in compensatory augmentation of cardiac mechanics. <i>Experimental Physiology</i> , 2018 , 103, 495-501	2.4	6
13	Influence of lung volume on the interaction between cardiac output and cerebrovascular regulation during extreme apnoea. <i>Experimental Physiology</i> , 2017 , 102, 1288-1299	2.4	6
12	Exercise-Induced Cardiac Remodeling: Lessons from Humans, Horses, and Dogs. <i>Veterinary Sciences</i> , 2017 , 4,	2.4	6
11	A comparison of Doppler, tissue Doppler imaging, and strain rate imaging in the assessment of postexercise left ventricular function. <i>Applied Physiology, Nutrition and Metabolism</i> , 2009 , 34, 33-9	3	6
10	The effects of marathon running on expression of the complement regulatory proteins CD55 (DAF) and CD59 (MACIF) on red blood cells. <i>European Journal of Applied Physiology</i> , 2007 , 99, 201-4	3.4	5
9	Mood disturbance during cycling performance at extreme conditions. <i>Journal of Sports Science and Medicine</i> , 2005 , 4, 52-7	2.7	3
8	Cardiac dysfunction in cancer survivors unmasked during exercise. <i>European Journal of Clinical Investigation</i> , 2017 , 47, 213-220	4.6	2

7	Aortic haemodynamics: the effects of habitual endurance exercise, age and muscle sympathetic vasomotor outflow in healthy men.. <i>European Journal of Applied Physiology</i> , 2022 , 122, 801	3.4	1
6	Stimulus-specific functional remodeling of the left ventricle in endurance and resistance-trained men. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020 , 319, H632-H641	5.2	1
5	THE INFLUENCE OF ANESTHESIA WITH AND WITHOUT MEDETOMIDINE ON CARDIAC STRUCTURE AND FUNCTION IN SANCTUARY CAPTIVE CHIMPANZEES (). <i>Journal of Zoo and Wildlife Medicine</i> , 2021 , 52, 986-996	0.9	1
4	Right Ventricular Function and Region-Specific Adaptation in Athletes Engaged in High-Dynamic Sports: A Meta-Analysis. <i>Circulation: Cardiovascular Imaging</i> , 2021 , 14, e012315	3.9	0
3	Reply to Jensen and Wang: Chimpanzees under pressure-Selection of a left ventricular structural and functional phenotype. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 5574-5575	11.5	
2	Serological Evidence of Myocardial Injury with Exercise 2018 , 135-159		
1	Myocardial Strain Analysis Following the Western States 100-Mile Mountain Race. <i>Medicine and Science in Sports and Exercise</i> , 2008 , 40, S281	1.2	