Eric J StÃ¶hr

List of Publications by Year
in descending order

96 papers	1,475 citations	393982 19 h-index	344852 36 g-index
99 all docs	99 docs citations	99 times ranked	1814 citing authors

#	Article	IF	Citations
1	Cardiac output and related haemodynamics during pregnancy: a series of meta-analyses. Heart, 2016, 102, 518-526.	1.2	219
2	Hemodynamic responses to heat stress in the resting and exercising human leg: insight into the effect of temperature on skeletal muscle blood flow. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R663-R673.	0.9	114
3	Exercise-Induced Left Ventricular Remodeling Among Competitive Athletes. Circulation: Cardiovascular Imaging, 2015, 8, .	1.3	74
4	Left ventricular mechanical limitations to stroke volume in healthy humans during incremental exercise. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H478-H487.	1.5	73
5	Left ventricular twist mechanics in the context of normal physiology and cardiovascular disease: a review of studies using speckle tracking echocardiography. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 311, H633-H644.	1.5	67
6	The effect of an aerobic exercise bout 24Âh prior to each doxorubicin treatment for breast cancer on markers of cardiotoxicity and treatment symptoms: a RCT. Breast Cancer Research and Treatment, 2018, 167, 719-729.	1.1	67
7	Ventricular structure, function, and mechanics at high altitude: chronic remodeling in Sherpa vs. short-term lowlander adaptation. Journal of Applied Physiology, 2014, 117, 334-343.	1.2	64
8	The Unique Blood Pressures and Pulsatility of LVAD Patients: Current Challenges and Future Opportunities. Current Hypertension Reports, 2017, 19, 85.	1.5	61
9	Dehydration reduces left ventricular filling at rest and during exercise independent of twist mechanics. Journal of Applied Physiology, 2011, 111, 891-897.	1.2	51
10	Left ventricular mechanics in humans with high aerobic fitness: adaptation independent of structural remodelling, arterial haemodynamics and heart rate. Journal of Physiology, 2012, 590, 2107-2119.	1.3	48
11	Protective effects of acute exercise prior to doxorubicin on cardiac function of breast cancer patients: A proof-of-concept RCT. International Journal of Cardiology, 2017, 245, 263-270.	0.8	48
12	Effects of graded heat stress on global left ventricular function and twist mechanics at rest and during exercise in healthy humans. Experimental Physiology, 2011, 96, 114-124.	0.9	47
13	Impaired myocardial function does not explain reduced left ventricular filling and stroke volume at rest or during exercise at high altitude. Journal of Applied Physiology, 2015, 119, 1219-1227.	1.2	37
14	Athleteâ€™s Heart: Is the Morganroth Hypothesis Obsolete?. Heart Lung and Circulation, 2018, 27, 1037-1041.	0.2	36
15	Dehydration reduces stroke volume and cardiac output during exercise because of impaired cardiac filling and venous return, not left ventricular function. Physiological Reports, 2020, 8, e14433.	0.7	34
16	Carotid artery longitudinal wall motion is associated with local blood velocity and left ventricular rotational, but not longitudinal, mechanics. Physiological Reports, 2016, 4, e12872.	0.7	29
17	Influence of exercise training mode on arterial diameter: A systematic review and meta-analysis. Journal of Science and Medicine in Sport, 2016, 19, 74-80.	0.6	25
18	CrossTalk proposal: Blood flow pulsatility in left ventricular assist device patients is essential to maintain normal brain physiology. Journal of Physiology, 2019, 597, 353-356.	1.3	23

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19	Prognostic implications of serial outpatient blood pressure measurements in patients with an axial continuous-flow left ventricular assist device. Journal of Heart and Lung Transplantation, 2019, 38, 396-405.	0.3	20
20	In vivo human cardiac shortening and lengthening velocity is region dependent and not coupled with heart rate: â€˜longitudinalâ€™ strain rate markedly underestimates apical contribution. Experimental Physiology, 2015, 100, 507-518.	0.9	18
21	Interaction between left ventricular twist mechanics and arterial haemodynamics during localised, nonâ€metabolic hyperaemia with and without blood flow restriction. Experimental Physiology, 2016, 101, 509-520.	0.9	18
22	Structural and functional cardiac profile after prolonged duration of mechanical unloading: potential implications for myocardial recovery. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H1463-H1476.	1.5	16
23	Left ventricular energetics: new insight into the plasticity of regional contributions at rest and during exercise. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H225-H232.	1.5	15
24	The female human heart at rest and during exercise: A review. European Journal of Sport Science, 2015, 15, 286-295.	1.4	15
25	The effect of an acute bout of resistance exercise on carotid artery strain and strain rate. Physiological Reports, 2016, 4, e12959.	0.7	15
26	Cardiac and haemodynamic influence on carotid artery longitudinal wall motion. Experimental Physiology, 2018, 103, 141-152.	0.9	15
27	Iliocaval Venous Obstruction, Cardiac Preload Reserve and Exercise Limitation. Journal of Cardiovascular Translational Research, 2020, 13, 531-539.	1.1	15
28	Age-related differences in left ventricular structure and function between healthy men and women. Climacteric, 2017, 20, 476-483.	1.1	14
29	Haemodynamic responses to dehydration in the resting and exercising human leg. European Journal of Applied Physiology, 2013, 113, 1499-1509.	1.2	12
30	HEART RATE AND INDIRECT BLOOD PRESSURE RESPONSES TO FOUR DIFFERENT FIELD ANESTHETIC PROTOCOLS IN WILD-BORN CAPTIVE CHIMPANZEES (PAN TROGLODYTES). Journal of Zoo and Wildlife Medicine, 2017, 48, 636-644.	0.3	12
31	Left ventricular mechanics in late second trimester of healthy pregnancy. Ultrasound in Obstetrics and Gynecology, 2019, 54, 350-358.	0.9	12
32	Systolic and Diastolic Left Ventricular Mechanics during and after Resistance Exercise. Medicine and Science in Sports and Exercise, 2017, 49, 2025-2031.	0.2	11
33	Non-invasive measurement of peripheral, central and 24-hour blood pressure in patients with continuous-flow left ventricular assist device. Journal of Heart and Lung Transplantation, 2017, 36, 694-697.	0.3	10
34	Effect of exercise training on left ventricular mechanics after acute myocardial infarctionâ€“an exploratory study. Annals of Physical and Rehabilitation Medicine, 2018, 61, 119-124.	1.1	10
35	The Menopause Alters Aerobic Adaptations to High-Intensity Interval Training. Medicine and Science in Sports and Exercise, 2020, 52, 2096-2106.	0.2	9
36	Cardiac dysfunction in cancer survivors unmasked during exercise. European Journal of Clinical Investigation, 2017, 47, 213-220.	1.7	8

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37	The Effects of Exercise Intensity vs. Metabolic State on the Variability and Magnitude of Left Ventricular Twist Mechanics during Exercise. PLoS ONE, 2016, 11, e0154065.	1.1	8
38	MATERNAL CARDIAC TWIST PRE-PREGNANCY: POTENTIAL AS A NOVEL MARKER OF PRE-ECLAMPSIA. Fetal and Maternal Medicine Review, 2013, 24, 289-295.	0.3	7
39	Left Ventricular Mechanics in Untrained and Trained Males with Tetraplegia. Journal of Neurotrauma, 2017, 34, 591-598.	1.7	7
40	Stretch your heartâ€"but not too far: The role of titin mutations in dilated cardiomyopathy. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, 209-214.	0.4	7
41	Bionic women and men â€•Part 4: Cardiovascular, cerebrovascular and exercise responses among patients supported with left ventricular assist devices. Experimental Physiology, 2020, 105, 763-766.	0.9	7
42	Carotid artery wall mechanics in young males with high cardiorespiratory fitness. Experimental Physiology, 2018, 103, 1277-1286.	0.9	6
43	Bionic women and men â€•Part 3: Right ventricular dysfunction in patients implanted with left ventricular assist devices. Experimental Physiology, 2020, 105, 759-762.	0.9	6
44	Adaptation of myocardial twist in the remodelled athlete's heart is not related to cardiac output. Experimental Physiology, 2018, 103, 1456-1468.	0.9	5
45	Bionic women and men â€•Part 1: Cardiovascular lessons from heart failure patients implanted with left ventricular assist devices. Experimental Physiology, 2020, 105, 749-754.	0.9	5
46	Increased Aortic Stiffness Is Associated With Higher Rates of Stroke, Gastrointestinal Bleeding and Pump Thrombosis in Patients With a Continuous Flow Left Ventricular Assist Device. Journal of Cardiac Failure, 2021, 27, 696-699.	0.7	5
47	Twenty-four-hour blood pressure and heart rate variability are reduced in patients on left ventricular assist device support. Journal of Heart and Lung Transplantation, 2022, 41, 802-809.	0.3	5
48	Unaltered left ventricular mechanics and remodelling after 12 weeks of resistance exercise training â€“ a longitudinal study in men. Applied Physiology, Nutrition and Metabolism, 2019, 44, 820-826.	0.9	4
49	Cerebral vasoreactivity in HeartMate 3 patients. Journal of Heart and Lung Transplantation, 2021, 40, 786-793.	0.3	4
50	The Future of Mechanical Circulatory Support. Circulation: Heart Failure, 2021, 14, e008861.	1.6	4
51	Transmission of Pulsatility Into the Brain of Patients with Continuous-Flow Left Ventricular Assist Devices. Journal of Heart and Lung Transplantation, 2018, 37, S284.	0.3	3
52	Bionic women and men â€•Part 2: Arterial stiffness in heart failure patients implanted with left ventricular assist devices. Experimental Physiology, 2020, 105, 755-758.	0.9	3
53	THE INFLUENCE OF ANESTHESIA WITH AND WITHOUT MEDETOMIDINE ON CARDIAC STRUCTURE AND FUNCTION IN SANCTUARY CAPTIVE CHIMPANZEES (PAN TROGLODYTES). Journal of Zoo and Wildlife Medicine, 2021, 52, 986-996.	0.3	3
54	Cardiac Responses to Submaximal Isometric Contraction and Aerobic Exercise in Healthy Pregnancy. Medicine and Science in Sports and Exercise, 2021, 53, 1010-1020.	0.2	3

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55	Comparison between ModelflowÂ® and echocardiography in the determination of cardiac output during and following pregnancy at rest and during exercise. Journal of Human Sport and Exercise, 2022, 17, .	0.2	3
56	Central versus peripheral control of cardiac output in humans: insight from atrial pacing. Journal of Physiology, 2012, 590, 4977-4978.	1.3	2
57	Clarification on the role of LV untwisting in LV â€œrelaxationâ€•and diastolic filling. Clinical Research in Cardiology, 2017, 106, 935-937.	1.5	2
58	Young athletes under pressure?. Heart, 2019, 105, 1217-1218.	1.2	2
59	Rebuttal from Eric J. StÃ¶hr, Barry J. McDonnell, Paolo C. Colombo and Joshua Z. Willey. Journal of Physiology, 2019, 597, 361-362.	1.3	2
60	The unique physiology of left ventricular assist device patientsÂâ€“ keep your finger on the pulse!. Experimental Physiology, 2020, 105, 747-748.	0.9	2
61	The role of heart rate in the left ventricular twist response to increased arterial blood pressure: a â€˜stiffâ€™ challenge?. Experimental Physiology, 2016, 101, 256-257.	0.9	1
62	The impact of menopausal status on cardiac responses to exercise training and lower body negative pressure. Maturitas, 2017, 103, 91.	1.0	1
63	P194 CARDIOVASCULAR RESPONSES TO INCREASED PRESSURE DURING HEALTHY PREGNANCY. Artery Research, 2017, 20, 109.	0.3	1
64	Regarding High-Intensity Interval Training and Left Ventricular Mechanics. Medicine and Science in Sports and Exercise, 2019, 51, 2423-2423.	0.2	1
65	Carotid artery structure and hemodynamics and their association with adverse vascular events in left ventricular assist device patients. Journal of Artificial Organs, 2021, 24, 182-190.	0.4	1
66	Dehydration Does Not Compromise Limb Tissue Or Systemic Perfusion At Rest Or During Mild Exercise. Medicine and Science in Sports and Exercise, 2011, 43, 117.	0.2	0
67	Left ventricular apical mechanics during ectopy in an asymptomatic athlete: Figure 1. Heart, 2012, 98, 893-894.	1.2	0
68	Combined neonatal therapies for cardiac function in adulthood â€“ live together, die alone?. Journal of Physiology, 2014, 592, 825-826.	1.3	0
69	P6.13 AMBULATORY AND OFFICE CENTRAL SYSTOLIC BLOOD PRESSURE IS MORE CLOSELY ASSOCIATED WITH LEFT VENTRICULAR MASS THAN AMBULATORY AND OFFICE PERIPHERAL SYSTOLIC BLOOD PRESSURE IN A YOUNG NORMOTENSIVE POPULATION. Artery Research, 2015, 12, 27.	0.3	0
70	P6.10 ALCOHOL INTAKE IS ASSOCIATED WITH 24-HOUR AORTIC BLOOD PRESSURE IN A YOUNG HEALTHY STUDENT COHORT. Artery Research, 2015, 12, 27.	0.3	0
71	P6.14 THE EFFECT OF PHYSICAL ACTIVITY ON 24-HOUR AUGMENTATION INDEX. Artery Research, 2015, 12, 28.	0.3	0
72	Carotid 2D Strain Imaging Reveals Enhanced Rate Of Arterial Wall Deformation Following Exercise In High-fit Young Males. Medicine and Science in Sports and Exercise, 2015, 47, 52.	0.2	0

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73	P2.11 EXERCISE REVEALS DIFFERENTIAL COUPLING BETWEEN AORTIC HAEMODYNAMICS AND LEFT VENTRICULAR TWIST MECHANICS. Artery Research, 2015, 12, 8.	0.3	0
74	The Effect Of Exercise 24-hours Before Chemotherapy On Cardiac Function And Symptoms In Breast Cancer. Medicine and Science in Sports and Exercise, 2016, 48, 831-832.	0.2	0
75	4.4 MIDDLE CEREBRAL ARTERY PULSATILITY IN HEART FAILURE AND PATIENTS WITH CONTINUOUS-FLOW LEFT VENTRICULAR ASSIST DEVICES. Artery Research, 2017, 20, 57.	0.3	0
76	The Impact of Menopausal Status on Cardiac Responses to Exercise Training and Acute Moderate-Intensity Exercise. Medicine and Science in Sports and Exercise, 2017, 49, 157.	0.2	0
77	Noninvasive Techniques for Measuring Cardiac Output During Pregnancy. , 0, , 120-133.		0
78	P90 KINETIC ENERGY AND ENERGY LOSS IN THE MIDDLE CEREBRAL ARTERY (MCA) OF HEARTMATE II PATIENTS. Artery Research, 2018, 24, 104.	0.3	0
79	Absence of Functional Left Ventricular Adaption With Short-Term Resistance Exercise Training in Young Men. Medicine and Science in Sports and Exercise, 2018, 50, 848.	0.2	0
80	A Comparison of Middle Cerebral Artery and Central Retinal Artery Hemodynamics in HM II Patients. Journal of Heart and Lung Transplantation, 2019, 38, S91.	0.3	0
81	Novel Approach to Assess Intraventricular Pressure Difference in Patients with Left Ventricular Assist Device during Ramp Study. Journal of Heart and Lung Transplantation, 2019, 38, S127-S128.	0.3	0
82	140. Critical Care Medicine, 2019, 47, 53.	0.4	0
83	Cardiac Adaptation In Sprint Athletes: A New Phenotype Of â€˜Athleteâ€™s Heartâ€™?. Medicine and Science in Sports and Exercise, 2019, 51, 607-608.	0.2	0
84	Lack of Nocturnal Blood Pressure Reduction Increases the Risk of Stroke in Patients on Left Ventricular Assist Device Support. Journal of Heart and Lung Transplantation, 2020, 39, S395.	0.3	0
85	The endurance athlete's circulation: Ultra-risky or a long road to safety?. Atherosclerosis, 2021, 320, 89-91.	0.4	0
86	Echocardiographic Assessment of Myocardial Deformation duringÂExercise. , 0, , .		0
87	The Effects of Relative Exercise Intensity vs Individual Metabolism on LV Twist and Untwisting Rate. FASEB Journal, 2015, 29, 952.1.	0.2	0
88	Impact of Ventilatory Threshold on Mycardial Work During Exercise. FASEB Journal, 2015, 29, 1055.23.	0.2	0
89	Left Ventricular Mechanics In Healthy Females Are Not Significantly Altered In Response To Isometric Handgrip. Medicine and Science in Sports and Exercise, 2016, 48, 309-310.	0.2	0
90	Carotid Artery Wall Mechanics During Lower Body Resistance Exercise In Strength Trained and Untrained Men.. Medicine and Science in Sports and Exercise, 2016, 48, 802.	0.2	0

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91	LV Twist And Untwisting Rate During Exercise In Endurance Trained And Untrained Men. Medicine and Science in Sports and Exercise, 2016, 48, 480.	0.2	0
92	Exercise Training May Attenuate the Cardiac Changes Associated with the Menopause. Medicine and Science in Sports and Exercise, 2018, 50, 637.	0.2	0
93	P80 Predictors of Middle Cerebral Artery Pulsatility Index in Chronic Obstructive Pulmonary Disease and Healthy Controls; Data from the ACRADE Study. Artery Research, 2019, 25, S123-S123.	0.3	0
94	P103 Improved Metabolic Vasoreactivity in the Brain of HM3 Patients and its Underlying Microcirculatory Mechanisms. Artery Research, 2019, 25, S142.	0.3	0
95	P59 Marked Differences in Cerebral Haemodynamics Obtained with Transcranial Doppler vs. 2-D Angle-corrected Ultrasound. Artery Research, 2019, 25, S100-S100.	0.3	0
96	Arterial stiffness, hemodynamics, and microvascular complications in conditions characterized by low arterial pulsatility. , 2022, , 771-779.		0