

# Thomas P Olson

## List of Publications by Year in descending order

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Version: 2024-02-01

104  
papers

4,449  
citations

136950

32  
h-index

110387

64  
g-index

104  
all docs

104  
docs citations

104  
times ranked

4359  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of patients with preclinical heart failure with preserved ejection fraction using the H2FPEF score. , 2022, 1, 59-66.		6
2	Sex Differences in Cardiac Rehabilitation Outcomes. <i>Circulation Research</i> , 2022, 130, 552-565.	4.5	26
3	Influence of locomotor muscle group III/IV afferents on cardiovascular and ventilatory responses in human heart failure during submaximal exercise. <i>Journal of Applied Physiology</i> , 2022, 132, 903-914.	2.5	3
4	Age-Related Differences for Cardiorespiratory Fitness Improvement in Patients Undergoing Cardiac Rehabilitation. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 872757.	2.4	6
5	Safety of Exercise Testing in the Clinical Chinese Population. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 638682.	2.4	6
6	Cardiac Rehabilitation Referral and Participation Rates for Heart Failure With Reduced Ejection Fraction. <i>Journal of Cardiopulmonary Rehabilitation and Prevention</i> , 2021, 41, 126-127.	2.1	2
7	The association between prior physical fitness and depression in young adults during the COVID-19 pandemic—a cross-sectional, retrospective study. <i>PeerJ</i> , 2021, 9, e11091.	2.0	13
8	Salutary Acute Effects of Exercise on Central Hemodynamics in Heart Failure With Preserved Ejection Fraction. <i>Journal of Cardiac Failure</i> , 2021, 27, 1313-1320.	1.7	5
9	Characteristics and reference values for cardiopulmonary exercise testing in the adult Chinese population — The Xiangya hospital exercise testing project (the X-ET project). <i>International Journal of Cardiology</i> , 2021, 332, 15-21.	1.7	14
10	Feasibility and Preliminary Effects of the BESMILE-HF Program on Chronic Heart Failure Patients: A Pilot Randomized Controlled Trial. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 715207.	2.4	5
11	Weight gain in Chinese youth during a 4-month COVID-19 lockdown: a retrospective observational study. <i>BMJ Open</i> , 2021, 11, e052451.	1.9	37
12	Optimizing Outcomes in Cardiac Rehabilitation: The Importance of Exercise Intensity. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 734278.	2.4	37
13	Differences in Peak Oxygen Uptake in Bicycle Exercise Test Caused by Body Positions: A Meta-Analysis. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 734687.	2.4	2
14	Screening for Asymptomatic Coronary Artery Disease via Exercise Stress Testing in Patients With Type 2 Diabetes Mellitus: A Systematic Review and Meta-Analysis. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 770648.	2.4	1
15	Cardiorespiratory Responses During High-Intensity Interval Training Prescribed by Rating of Perceived Exertion in Patients After Myocardial Infarction Enrolled in Early Outpatient Cardiac Rehabilitation. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 772815.	2.4	1
16	The Influence of Sex Differences on Cardiopulmonary Exercise Metrics Following Heart Transplant. <i>Canadian Journal of Cardiology</i> , 2020, 36, 54-59.	1.7	3
17	Exercise-induced hypoxemia predicts heart failure hospitalization and death in patients supported with left ventricular assist devices. <i>International Journal of Artificial Organs</i> , 2020, 43, 165-172.	1.4	4
18	Intensity level and cardiorespiratory responses to Taijiquan exercise in patients with chronic heart failure. <i>ESC Heart Failure</i> , 2020, 7, 3782-3791.	3.1	22

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19	Respiratory muscle work influences locomotor convective and diffusive oxygen transport in human heart failure during exercise. <i>Physiological Reports</i> , 2020, 8, e14484.	1.7	8
20	Locomotor muscle group III/IV afferents constrain stroke volume and contribute to exercise intolerance in human heart failure. <i>Journal of Physiology</i> , 2020, 598, 5379-5390.	2.9	24
21	Hemodynamic and Functional Impact of Epicardial Adipose Tissue in Heart Failure With Preserved Ejection Fraction. <i>JACC: Heart Failure</i> , 2020, 8, 657-666.	4.1	113
22	Metabolic and mechanoreceptor expression in human heart failure: Relationships with the locomotor muscle afferent influence on exercise responses. <i>Experimental Physiology</i> , 2020, 105, 809-818.	2.0	16
23	Noninvasive evaluation of pulmonary artery pressure during exercise: the importance of right atrial hypertension. <i>European Respiratory Journal</i> , 2020, 55, 1901617.	6.7	33
24	Predictors of exercise capacity following septal myectomy in patients with hypertrophic cardiomyopathy. <i>European Journal of Preventive Cardiology</i> , 2020, 27, 1066-1073.	1.8	10
25	The Role of Cardiac Rehabilitation in Reducing Major Adverse Cardiac Events in Heart Transplant Patients. <i>Journal of Cardiac Failure</i> , 2020, 26, 645-651.	1.7	22
26	Combined influence of inspiratory loading and locomotor subsystolic cuff inflation on cardiovascular responses during submaximal exercise. <i>Journal of Applied Physiology</i> , 2020, 128, 1338-1345.	2.5	0
27	The Effect of Replacing Sitting With Standing on Cardiovascular Risk Factors: A Systematic Review and Meta-analysis. <i>Mayo Clinic Proceedings Innovations, Quality &amp; Outcomes</i> , 2020, 4, 611-626.	2.4	15
28	Interaction of hypoxia and vascular occlusion on cardiorespiratory responses during exercise. <i>Translational Sports Medicine</i> , 2019, 2, 64.	1.1	0
29	High-intensity interval training improves metabolic syndrome and body composition in outpatient cardiac rehabilitation patients with myocardial infarction. <i>Cardiovascular Diabetology</i> , 2019, 18, 104.	6.8	43
30	Impaired central hemodynamics in chronic obstructive pulmonary disease during submaximal exercise. <i>Journal of Applied Physiology</i> , 2019, 127, 691-697.	2.5	17
31	High-Intensity Interval Training in Cardiac Rehabilitation: Impact on Fat Mass in Patients With Myocardial Infarction. <i>Mayo Clinic Proceedings</i> , 2019, 94, 1718-1730.	3.0	30
32	High-Intensity Interval Training in Cardiac Rehabilitation. <i>Clinics in Geriatric Medicine</i> , 2019, 35, 469-487.	2.6	51
33	The neurohormonal basis of pulmonary hypertension in heart failure with preserved ejection fraction. <i>European Heart Journal</i> , 2019, 40, 3707-3717.	2.2	47
34	Clinical and Rehabilitative Predictors of Peak Oxygen Uptake Following Cardiac Transplantation. <i>Journal of Clinical Medicine</i> , 2019, 8, 119.	2.4	10
35	Reply to Barbosa and Müller. <i>Experimental Physiology</i> , 2019, 104, 777-778.	2.0	0
36	The association of resistance training with mortality: A systematic review and meta-analysis. <i>European Journal of Preventive Cardiology</i> , 2019, 26, 1647-1665.	1.8	127

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37	Exercise Ventilatory Efficiency in Older and Younger Heart Failure Patients With Preserved Ejection Fraction. <i>Journal of Cardiac Failure</i> , 2019, 25, 278-285.	1.7	5
38	Fat Mass Index Better Identifies Metabolic Syndrome: Insights from Patients in Early Outpatient Cardiac Rehabilitation. <i>Journal of Clinical Medicine</i> , 2019, 8, 2147.	2.4	14
39	Influence of Sex, Menstrual Cycle, and Menopause Status on the Exercise Pressor Reflex. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 874-881.	0.4	38
40	Exercise ventilatory inefficiency in heart failure and chronic obstructive pulmonary disease. <i>International Journal of Cardiology</i> , 2019, 274, 232-236.	1.7	17
41	Ventilatory constraints influence physiological dead space in heart failure. <i>Experimental Physiology</i> , 2019, 104, 70-80.	2.0	20
42	Differences of energy expenditure while sitting versus standing: A systematic review and meta-analysis. <i>European Journal of Preventive Cardiology</i> , 2018, 25, 522-538.	1.8	47
43	Use of "ideal" alveolar air equations and corrected end-tidal PCO <sub>2</sub> to estimate arterial PCO <sub>2</sub> and physiological dead space during exercise in patients with heart failure. <i>International Journal of Cardiology</i> , 2018, 250, 176-182.	1.7	10
44	Effect of Body Mass Index on Exercise Capacity in Patients With Hypertrophic Cardiomyopathy. <i>American Journal of Cardiology</i> , 2018, 121, 100-106.	1.6	21
45	Predictors of Exercise Capacity in Patients with Hypertrophic Obstructive Cardiomyopathy. <i>Journal of Clinical Medicine</i> , 2018, 7, 447.	2.4	18
46	Economic evaluation of a pharmacogenomic multi-gene panel test to optimize anti-hypertension therapy: simulation study. <i>Journal of Medical Economics</i> , 2018, 21, 1246-1253.	2.1	6
47	Obesity and hemoglobin content impact peak oxygen uptake in human heart failure. <i>European Journal of Preventive Cardiology</i> , 2018, 25, 1937-1946.	1.8	15
48	Expanding the Clinical Classification of Heart Failure: Inclusion of Cardiac Function During Exercise. , 2018, , 65-86.		0
49	Determinants of Exercise Ventilatory Inefficiency in Heart Failure With Reduced or Preserved Ejection Fraction: Application of Classical and Emerging Integrative Physiology Concepts. , 2018, , 199-210.		0
50	Exercise Stroke Volume in Adult Cystic Fibrosis: A Comparison of Acetylene Pulmonary Uptake and Oxygen Pulse. <i>Clinical Medicine Insights: Circulatory, Respiratory and Pulmonary Medicine</i> , 2018, 12, 117954841879056.	0.9	3
51	Haemodynamics, dyspnoea, and pulmonary reserve in heart failure with preserved ejection fraction. <i>European Heart Journal</i> , 2018, 39, 2810-2821.	2.2	180
52	Hemodynamic Correlates and Diagnostic Role of Cardiopulmonary Exercise Testing in Heart Failure With Preserved Ejection Fraction. <i>JACC: Heart Failure</i> , 2018, 6, 665-675.	4.1	132
53	Myocardial Injury and Cardiac Reserve in Patients With Heart Failure and Preserved Ejection Fraction. <i>Journal of the American College of Cardiology</i> , 2018, 72, 29-40.	2.8	106
54	Resistive and elastic work of breathing in older and younger adults during exercise. <i>Journal of Applied Physiology</i> , 2018, 125, 190-197.	2.5	23

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55	Alveolar Air and O <sub>2</sub> Uptake During Exercise in Patients With Heart Failure. <i>Journal of Cardiac Failure</i> , 2018, 24, 695-705.	1.7	4
56	Deoxyhemoglobin Kinetics During Low Intensity Exercise Step-transitions in Aging Men and Women. <i>FASEB Journal</i> , 2018, 32, 853.21.	0.5	0
57	Aortic Waveform Analysis to Individualize Treatment in Heart Failure. <i>Circulation: Heart Failure</i> , 2017, 10, .	3.9	23
58	V̇ <sub>I</sub> kinetics associated with moderate-intensity exercise in heart failure: impact of intrathecal fentanyl inhibition of group III/IV locomotor muscle afferents. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 313, H114-H124.	3.2	11
59	Comparisons of Noninvasive Methods Used to Assess Exercise Stroke Volume in Heart Failure with Preserved Ejection Fraction. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 1758-1768.	0.4	12
60	Role of Diastolic Stress Testing in the Evaluation for Heart Failure With Preserved Ejection Fraction. <i>Circulation</i> , 2017, 135, 825-838.	1.6	416
61	Physiological dead space and arterial carbon dioxide contributions to exercise ventilatory inefficiency in patients with reduced or preserved ejection fraction heart failure. <i>European Journal of Heart Failure</i> , 2017, 19, 1675-1685.	7.1	52
62	Therapeutic Targets for the Multi-system Pathophysiology of Heart Failure: Exercise Training. <i>Current Treatment Options in Cardiovascular Medicine</i> , 2017, 19, 87.	0.9	7
63	Arterial Stiffening With Exercise in Patients With Heart Failure and Preserved Ejection Fraction. <i>Journal of the American College of Cardiology</i> , 2017, 70, 136-148.	2.8	195
64	Supervised, Vigorous Intensity Exercise Intervention for Depressed Female Smokers: A Pilot Study. <i>Nicotine and Tobacco Research</i> , 2017, 19, 77-86.	2.6	36
65	Influence of the Metaboreflex on Pulmonary Vascular Capacitance in Heart Failure. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 353-362.	0.4	7
66	Ventilation Increases with Lower Extremity Venous Occlusion in Young Adults. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 377-383.	0.4	5
67	Noninvasive assessment of cardiac output by brachial occlusion-cuff technique: comparison with the open-circuit acetylene washin method. <i>Journal of Applied Physiology</i> , 2016, 121, 1319-1325.	2.5	3
68	Albuterol Improves Alveolar-Capillary Membrane Conductance in Healthy Humans. <i>Clinical Medicine Insights: Circulatory, Respiratory and Pulmonary Medicine</i> , 2016, 10, CCRPM.S30251.	0.9	3
69	Impaired Pulmonary Diffusion in Heart Failure With Preserved Ejection Fraction. <i>JACC: Heart Failure</i> , 2016, 4, 490-498.	4.1	97
70	The Lungs in Heart Failure. <i>JACC: Heart Failure</i> , 2016, 4, 450-452.	4.1	3
71	Abnormal right ventricular-pulmonary artery coupling with exercise in heart failure with preserved ejection fraction. <i>European Heart Journal</i> , 2016, 37, 3293-3302.	2.2	259
72	Improved Ventilatory Efficiency with Locomotor Muscle Afferent Inhibition is Strongly Associated with Leg Composition in Heart Failure. <i>International Journal of Cardiology</i> , 2016, 202, 159-166.	1.7	15

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73	Clinical Classification of Heart Failure Patients Using Cardiac Function during Exercise. Exercise and Sport Sciences Reviews, 2015, 43, 204-213.	3.0	1
74	Response to Letter Regarding "Differential Hemodynamic Effects of Exercise and Volume Expansion in People With and Without Heart Failure". Circulation: Heart Failure, 2015, 8, 411-411.	3.9	0
75	Intrathecal fentanyl blockade of afferent neural feedback from skeletal muscle during exercise in heart failure patients: Influence on circulatory power and pulmonary vascular capacitance. International Journal of Cardiology, 2015, 201, 384-393.	1.7	7
76	Differential Hemodynamic Effects of Exercise and Volume Expansion in People With and Without Heart Failure. Circulation: Heart Failure, 2015, 8, 41-48.	3.9	167
77	Enhanced Pulmonary Vasodilator Reserve and Abnormal Right Ventricular. Circulation: Heart Failure, 2015, 8, 542-550.	3.9	83
78	Abstract 16803: Relationships Between Invasive and Non-invasive Measures of Cardiac Function During Exercise in Heart Failure With Preserved or Reduced Ejection Fraction. Circulation, 2015, 132, .	1.6	0
79	Abstract 16798: The Influence of Heart Failure With Preserved or Reduced Ejection Fraction on Relationships Between Cardiac Power and Stroke Work With VO <sub>2</sub> . Circulation, 2015, 132, .	1.6	0
80	Influence of locomotor muscle afferent inhibition on the ventilatory response to exercise in heart failure. Experimental Physiology, 2014, 99, 414-426.	2.0	68
81	A Randomized Pilot Study of Aortic Waveform Guided Therapy in Chronic Heart Failure. Journal of the American Heart Association, 2014, 3, e000745.	3.7	41
82	Quantifying oscillatory ventilation during exercise in patients with heart failure. Respiratory Physiology and Neurobiology, 2014, 190, 25-32.	1.6	14
83	Influence of the metaboreflex on arterial blood pressure in heart failure patients. American Heart Journal, 2014, 167, 521-528.	2.7	15
84	Abstract 16775: Body Mass Index Predicts Exercise Capacity in Patients With Hypertrophic Cardiomyopathy. Circulation, 2014, 130, .	1.6	0
85	Cardiac output response to exercise in relation to metabolic demand in heart failure with preserved ejection fraction. European Journal of Heart Failure, 2013, 15, 776-785.	7.1	275
86	Prognostic Value of Resting pulmonary Function in Heart Failure. Clinical Medicine Insights: Circulatory, Respiratory and Pulmonary Medicine, 2013, 7, CCRPM.S12525.	0.9	25
87	Relationship between oxygen pulse and echocardiography in heart failure with preserved ejection fraction. FASEB Journal, 2013, 27, 711.4.	0.5	0
88	Influence of cardiomegaly on disordered breathing during exercise in chronic heart failure. European Journal of Heart Failure, 2011, 13, 311-318.	7.1	14
89	Effects of respiratory muscle work on blood flow distribution during exercise in heart failure. Journal of Physiology, 2010, 588, 2487-2501.	2.9	92
90	History dependence of vital capacity in constricted lungs. Journal of Applied Physiology, 2010, 109, 121-125.	2.5	1

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91	Calculating alveolar capillary conductance and pulmonary capillary blood volume: comparing the multiple- and single-inspired oxygen tension methods. <i>Journal of Applied Physiology</i> , 2010, 109, 643-653.	2.5	40
92	Influence of Locomotor Muscle Metaboreceptor Stimulation on the Ventilatory Response to Exercise in Heart Failure. <i>Circulation: Heart Failure</i> , 2010, 3, 212-219.	3.9	47
93	Global Cardiovascular Reserve Dysfunction in Heart Failure With Preserved Ejection Fraction. <i>Journal of the American College of Cardiology</i> , 2010, 56, 845-854.	2.8	606
94	Causes of Breathing Inefficiency During Exercise in Heart Failure. <i>Journal of Cardiac Failure</i> , 2010, 16, 835-842.	1.7	65
95	Ventilatory Expired Gas at Constant-Rate Low-Intensity Exercise Predicts Adverse Events and is Related to Neurohormonal Markers in Patients With Heart Failure. <i>Journal of Cardiac Failure</i> , 2009, 15, 482-488.	1.7	12
96	Gene Variant of the Bradykinin B2 Receptor Influences Pulmonary Arterial Pressures in Heart Failure Patients. <i>Clinical Medicine Circulatory, Respiratory and Pulmonary Medicine</i> , 2009, 2009, 9-17.	0.4	7
97	Influence of sildenafil on lung diffusion during exposure to acute hypoxia at rest and during exercise in healthy humans. <i>European Journal of Applied Physiology</i> , 2008, 103, 421-430.	2.5	34
98	The effects of sildenafil and acetazolamide on breathing efficiency during hypoxic exercise. <i>FASEB Journal</i> , 2008, 22, 1173.13.	0.5	0
99	Effects of acute changes in pulmonary wedge pressure on periodic breathing at rest in heart failure patients. <i>American Heart Journal</i> , 2007, 153, 104.e1-104.e7.	2.7	47
100	Repeat length polymorphism of the serotonin transporter gene influences pulmonary artery pressure in heart failure. <i>American Heart Journal</i> , 2007, 153, 426-432.	2.7	30
101	Pulmonary Function Changes Associated With Cardiomegaly in Chronic Heart Failure. <i>Journal of Cardiac Failure</i> , 2007, 13, 100-107.	1.7	69
102	Effects of weight loss on insulin sensitivity and arterial stiffness in overweight adults. <i>Metabolism: Clinical and Experimental</i> , 2006, 55, 907-911.	3.4	54
103	Exercise-Disordered Breathing in Chronic Heart Failure. <i>Exercise and Sport Sciences Reviews</i> , 2006, 34, 194-201.	3.0	35
104	Competition for Intrathoracic Space Reduces Lung Capacity in Patients With Chronic Heart Failure. <i>Chest</i> , 2006, 130, 164-171.	0.8	38