

Tieh-Cheng Fu

List of Publications by Year in descending order

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59
papers

1,083
citations

586496

16
h-index

488211

31
g-index

63
all docs

63
docs citations

63
times ranked

1540
citing authors

#	ARTICLE	IF	CITATIONS
1	Factors Associated With Participation Rate and Predictive of Improvement After Cardiac Rehabilitation in Patients With Heart Failure. <i>Journal of Cardiopulmonary Rehabilitation and Prevention</i> , 2023, 43, 49-54.	1.2	2
2	Artificial-Intelligence-Assisted Discovery of Genetic Factors for Precision Medicine of Antiplatelet Therapy in Diabetic Peripheral Artery Disease. <i>Biomedicines</i> , 2022, 10, 116.	1.4	5
3	Exercise Training Improves Mitochondrial Bioenergetics of Natural Killer Cells. <i>Medicine and Science in Sports and Exercise</i> , 2022, 54, 751-760.	0.2	1
4	Increased serum brain-derived neurotrophic factor with high-intensity interval training in stroke patients: A randomized controlled trial. <i>Annals of Physical and Rehabilitation Medicine</i> , 2021, 64, 101385.	1.1	33
5	Rehabilitation programs for patients with COronaVirus Disease 2019: consensus statements of Taiwan Academy of Cardiovascular and Pulmonary Rehabilitation. <i>Journal of the Formosan Medical Association</i> , 2021, 120, 83-92.	0.8	28
6	Cycling Exercise Training Enhances Platelet Mitochondrial Bioenergetics in Patients with Peripheral Arterial Disease: A Randomized Controlled Trial. <i>Thrombosis and Haemostasis</i> , 2021, 121, 900-912.	1.8	9
7	Hypoxic Exercise Training Elevates Erythrocyte Aggregation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6038.	1.3	4
8	A randomized controlled trial of enhancing hypoxia-mediated right cardiac mechanics and reducing afterload after high intensity interval training in sedentary men. <i>Scientific Reports</i> , 2021, 11, 12564.	1.6	3
9	The validation of oxygen uptake efficiency slope in patients with stroke. <i>Medicine (United States)</i> , 2021, 100, e27384.	0.4	1
10	Supervised Cycling Training Improves Erythrocyte Rheology in Individuals With Peripheral Arterial Disease. <i>Frontiers in Physiology</i> , 2021, 12, 792398.	1.3	0
11	Stepper-based Training Improves Monocyte-Platelet Aggregation and Thrombin Generation in Nonambulatory Hemiplegic Patients. <i>Medicine and Science in Sports and Exercise</i> , 2021, Publish Ahead of Print, .	0.2	2
12	Application of stepper in cardiopulmonary exercise test for patients with hemiplegia. <i>Medicine (United States)</i> , 2021, 100, e27384.	0.4	3
13	A Near Infrared Spectroscopy System for Assessing Rehabilitation on Peripheral Arterial Occlusion Patients. <i>Journal of Medical and Biological Engineering</i> , 2020, 40, 592-600.	1.0	1
14	Relationship between maximal incremental and high-intensity interval exercise performance in elite athletes. <i>PLoS ONE</i> , 2020, 15, e0226313.	1.1	6
15	Peripheral arterial disease: the role of extracellular volume measurements in lower limb muscles with MRI. <i>European Radiology</i> , 2020, 30, 3943-3950.	2.3	8
16	High-intensity interval training recuperates capacity of endogenous thrombin generation in heart failure patients with reduced ejection fraction. <i>Thrombosis Research</i> , 2020, 187, 159-165.	0.8	5
17	Involvement of swallowing therapy is associated with improved long-term survival in patients with post-stroke dysphagia. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2020, 55, 728-734.	1.1	4
18	Liquid Phantom for Calibrating Tissue Oxygen Saturation Measurement. <i>IFMBE Proceedings</i> , 2020, , 191-197.	0.2	0

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19	High-intensity interval training enhances mitochondrial bioenergetics of platelets in patients with heart failure. <i>International Journal of Cardiology</i> , 2019, 274, 214-220.	0.8	24
20	Laser Acupuncture for Carpal Tunnel Syndrome: A Single-Blinded Controlled Study. <i>Journal of Alternative and Complementary Medicine</i> , 2019, 25, 1035-1043.	2.1	4
21	Integration of Brain Tissue Saturation Monitoring in Cardiopulmonary Exercise Testing in Patients with Heart Failure. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	3
22	Amino Acid-Based Metabolic Profile Provides Functional Assessment and Prognostic Value for Heart Failure Outpatients. <i>Disease Markers</i> , 2019, 2019, 1-10.	0.6	8
23	Noninvasive prediction of Blood Lactate through a machine learning-based approach. <i>Scientific Reports</i> , 2019, 9, 2180.	1.6	3
24	Evaluation of Coherence Between ECG and PPG Derived Parameters on Heart Rate Variability and Respiration in Healthy Volunteers With/Without Controlled Breathing. <i>Journal of Medical and Biological Engineering</i> , 2019, 39, 783-795.	1.0	45
25	High-Intensity Interval Training is Associated with Improved Long-Term Survival in Heart Failure Patients. <i>Journal of Clinical Medicine</i> , 2019, 8, 409.	1.0	14
26	Exercise Training Enhances Platelet Mitochondrial Bioenergetics in Stroke Patients: A Randomized Controlled Trial. <i>Journal of Clinical Medicine</i> , 2019, 8, 2186.	1.0	18
27	High-Intensity Interval Training Improves Left Ventricular Contractile Function. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 1420-1428.	0.2	23
28	Analysis of Exercise-Induced Periodic Breathing Using an Autoregressive Model and the Hilbert-Huang Transform. <i>Computational and Mathematical Methods in Medicine</i> , 2018, 2018, 1-8.	0.7	0
29	Effects of normoxic and hypoxic exercise training on the bactericidal capacity and subsequent apoptosis of neutrophils in sedentary men. <i>European Journal of Applied Physiology</i> , 2018, 118, 1985-1995.	1.2	4
30	Portable Near-Infrared Spectroscopy for Detecting Peripheral Arterial Occlusion. <i>IFMBE Proceedings</i> , 2018, , 109-113.	0.2	0
31	Longitudinal follow-up of muscle echotexture in infants with congenital muscular torticollis. <i>Medicine (United States)</i> , 2017, 96, e6068.	0.4	9
32	High-intensity Interval Training Improves Mitochondrial Function and Suppresses Thrombin Generation in Platelets undergoing Hypoxic Stress. <i>Scientific Reports</i> , 2017, 7, 4191.	1.6	22
33	Detection of exercise periodic breathing using thermal flowmeter in patients with heart failure. <i>Medical and Biological Engineering and Computing</i> , 2017, 55, 1189-1198.	1.6	1
34	Weighted Polynomial Approximation for Automated Detection of Inspiratory Flow Limitation. <i>Computational and Mathematical Methods in Medicine</i> , 2017, 2017, 1-10.	0.7	0
35	Short-term intensive training attenuates the exercise-induced interaction of mono-1/2 cells and platelets after coronary bypass in cardiac patients. <i>Thrombosis and Haemostasis</i> , 2017, 117, 1761-1771.	1.8	4
36	Aerobic Interval Training Elicits Different Hemodynamic Adaptations Between Heart Failure Patients with Preserved and Reduced Ejection Fraction. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2016, 95, 15-27.	0.7	77

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37	Cycling Exercise Training Alleviates Hypoxia-Impaired Erythrocyte Rheology. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 57-65.	0.2	8
38	Validation of a new simple scale to measure symptoms in heart failure from traditional Chinese medicine view: a cross-sectional questionnaire study. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 342.	3.7	14
39	Effects of normoxic and hypoxic exercise regimens on monocyte-mediated thrombin generation in sedentary men. <i>Clinical Science</i> , 2015, 129, 363-374.	1.8	10
40	Effect of multidisciplinary disease management for hospitalized heart failure under a national health insurance programme. <i>Journal of Cardiovascular Medicine</i> , 2015, 16, 616-624.	0.6	37
41	Central and Peripheral Hemodynamic Adaptations During Cardiopulmonary Exercise Test in Heart Failure Patients With Exercise Periodic Breathing. <i>International Heart Journal</i> , 2015, 56, 432-438.	0.5	5
42	Influence of heart rate variability in healthy subjects with respiratory manipulation. , 2015, , .		0
43	Reliability and Validity of Ventilatory Threshold and Respiratory Compensation Point Determined by Near-Infrared Spectroscopy. <i>FASEB Journal</i> , 2015, 29, 677.9.	0.2	0
44	Activation of lymphocyte autophagy/apoptosis reflects haemodynamic inefficiency and functional aerobic impairment in patients with heart failure. <i>Clinical Science</i> , 2014, 127, 589-602.	1.8	17
45	Modified high-intensity interval training increases peak cardiac power output in patients with heart failure. <i>European Journal of Applied Physiology</i> , 2014, 114, 1853-1862.	1.2	22
46	Cardiac Rehabilitation in Patients with Heart Failure. <i>Acta Cardiologica Sinica</i> , 2014, 30, 353-9.	0.1	3
47	Aerobic interval training improves oxygen uptake efficiency by enhancing cerebral and muscular hemodynamics in patients with heart failure. <i>International Journal of Cardiology</i> , 2013, 167, 41-50.	0.8	184
48	Effect of aerobic interval training on erythrocyte rheological and hemodynamic functions in heart failure patients with anemia. <i>International Journal of Cardiology</i> , 2013, 168, 1243-1250.	0.8	23
49	Exertional periodic breathing potentiates erythrocyte rheological dysfunction by elevating pro-inflammatory status in patients with anemic heart failure. <i>International Journal of Cardiology</i> , 2013, 167, 1289-1297.	0.8	17
50	Anemic comorbidity reduces capacity of endogenous thrombin generation and is associated with consumptive coagulopathy in patients with heart failure. <i>International Journal of Cardiology</i> , 2013, 168, 4965-4967.	0.8	6
51	Different physiological adaptations to aerobic interval training between heart failure patients with reduced and preserved ejection fractions. <i>FASEB Journal</i> , 2013, 27, 1132.17.	0.2	0
52	Non-Invasive Cardiac Index Monitoring During Cardiopulmonary Functional Testing Provides Additional Prognostic Value in Patients After Acute Heart Failure. <i>International Heart Journal</i> , 2012, 53, 364-369.	0.5	6
53	Exercise Periodic Breathing Impairs Functional Capacity by Reducing the Ventilatory Hemodynamic Efficiency in Patients with Heart Failure. <i>FASEB Journal</i> , 2012, 26, 1142.9.	0.2	0
54	Influence of magnetic knee wraps on joint proprioception in individuals with osteoarthritis: a randomized controlled pilot trial. <i>Clinical Rehabilitation</i> , 2011, 25, 228-237.	1.0	11

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55	Suppression of cerebral hemodynamics is associated with reduced functional capacity in patients with heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 300, H1545-H1555.	1.5	41
56	Aerobic Interval Exercise Training Improves Ventilatory Efficiency in Patients with Chronic Heart Failure. <i>FASEB Journal</i> , 2011, 25, 1057.11.	0.2	0
57	Effects of normoxic and hypoxic exercise regimens on cardiac, muscular, and cerebral hemodynamics suppressed by severe hypoxia in humans. <i>Journal of Applied Physiology</i> , 2010, 109, 219-229.	1.2	52
58	Effect of Kinesio taping on muscle strength in athletes – A pilot study. <i>Journal of Science and Medicine in Sport</i> , 2008, 11, 198-201.	0.6	251
59	Motor control in patients with incomplete spinal cord injuries and various voluntary movement capabilities. <i>Chang Gung Medical Journal</i> , 2005, 28, 349-56.	0.7	1