Tieh-Cheng Fu

List of Publications by Year
in descending order

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		516681	434170
59	1,083	16	31
papers	citations	h-index	g-index

63	63	63	1443
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of Kinesio taping on muscle strength in athletesâ€"A pilot study. Journal of Science and Medicine in Sport, 2008, 11, 198-201.	1.3	251
2	Aerobic interval training improves oxygen uptake efficiency by enhancing cerebral and muscular hemodynamics in patients with heart failure. International Journal of Cardiology, 2013, 167, 41-50.	1.7	184
3	Aerobic Interval Training Elicits Different Hemodynamic Adaptations Between Heart Failure Patients with Preserved and Reduced Ejection Fraction. American Journal of Physical Medicine and Rehabilitation, 2016, 95, 15-27.	1.4	77
4	Effects of normoxic and hypoxic exercise regimens on cardiac, muscular, and cerebral hemodynamics suppressed by severe hypoxia in humans. Journal of Applied Physiology, 2010, 109, 219-229.	2.5	52
5	Evaluation of Coherence Between ECG and PPG Derived Parameters on Heart Rate Variability and Respiration in Healthy Volunteers With/Without Controlled Breathing. Journal of Medical and Biological Engineering, 2019, 39, 783-795.	1.8	45
6	Suppression of cerebral hemodynamics is associated with reduced functional capacity in patients with heart failure. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H1545-H1555.	3.2	41
7	Effect of multidisciplinary disease management for hospitalized heart failure under a national health insurance programme. Journal of Cardiovascular Medicine, 2015, 16, 616-624.	1.5	37
8	Increased serum brain-derived neurotrophic factor with high-intensity interval training in stroke patients: A randomized controlled trial. Annals of Physical and Rehabilitation Medicine, 2021, 64, 101385.	2.3	33
9	Rehabilitation programs for patients with COronaVIrus Disease 2019: consensus statements of Taiwan Academy of Cardiovascular and Pulmonary Rehabilitation. Journal of the Formosan Medical Association, 2021, 120, 83-92.	1.7	28
10	High-intensity interval training enhances mitochondrial bioenergetics of platelets in patients with heart failure. International Journal of Cardiology, 2019, 274, 214-220.	1.7	24
11	Effect of aerobic interval training on erythrocyte rheological and hemodynamic functions in heart failure patients with anemia. International Journal of Cardiology, 2013, 168, 1243-1250.	1.7	23
12	High-Intensity Interval Training Improves Left Ventricular Contractile Function. Medicine and Science in Sports and Exercise, 2019, 51, 1420-1428.	0.4	23
13	Modified high-intensity interval training increases peak cardiac power output in patients with heart failure. European Journal of Applied Physiology, 2014, 114, 1853-1862.	2.5	22
14	High-intensity Interval Training Improves Mitochondrial Function and Suppresses Thrombin Generation in Platelets undergoing Hypoxic Stress. Scientific Reports, 2017, 7, 4191.	3.3	22
15	Exercise Training Enhances Platelet Mitochondrial Bioenergetics in Stroke Patients: A Randomized Controlled Trial. Journal of Clinical Medicine, 2019, 8, 2186.	2.4	18
16	Exertional periodic breathing potentiates erythrocyte rheological dysfunction by elevating pro-inflammatory status in patients with anemic heart failure. International Journal of Cardiology, 2013, 167, 1289-1297.	1.7	17
17	Activation of lymphocyte autophagy/apoptosis reflects haemodynamic inefficiency and functional aerobic impairment in patients with heart failure. Clinical Science, 2014, 127, 589-602.	4.3	17
18	Validation of a new simple scale to measure symptoms in heart failure from traditional Chinese medicine view: a cross-sectional questionnaire study. BMC Complementary and Alternative Medicine, 2016, 16, 342.	3.7	14

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19	High-Intensity Interval Training is Associated with Improved Long-Term Survival in Heart Failure Patients. Journal of Clinical Medicine, 2019, 8, 409.	2.4	14
20	Influence of magnetic knee wraps on joint proprioception in individuals with osteoarthritis: a randomized controlled pilot trial. Clinical Rehabilitation, 2011, 25, 228-237.	2.2	11
21	Effects of normoxic and hypoxic exercise regimens on monocyte-mediated thrombin generation in sedentary men. Clinical Science, 2015, 129, 363-374.	4.3	10
22	Longitudinal follow-up of muscle echotexture in infants with congenital muscular torticollis. Medicine (United States), 2017, 96, e6068.	1.0	9
23	Cycling Exercise Training Enhances Platelet Mitochondrial Bioenergetics in Patients with Peripheral Arterial Disease: A Randomized Controlled Trial. Thrombosis and Haemostasis, 2021, 121, 900-912.	3.4	9
24	Cycling Exercise Training Alleviates Hypoxia-Impaired Erythrocyte Rheology. Medicine and Science in Sports and Exercise, 2016, 48, 57-65.	0.4	8
25	Amino Acid-Based Metabolic Profile Provides Functional Assessment and Prognostic Value for Heart Failure Outpatients. Disease Markers, 2019, 2019, 1-10.	1.3	8
26	Peripheral arterial disease: the role of extracellular volume measurements in lower limb muscles with MRI. European Radiology, 2020, 30, 3943-3950.	4.5	8
27	Non-Invasive Cardiac Index Monitoring During Cardiopulmonary Functional Testing Provides Additional Prognostic Value in Patients After Acute Heart Failure. International Heart Journal, 2012, 53, 364-369.	1.0	6
28	Anemic comorbidity reduces capacity of endogenous thrombin generation and is associated with consumptive coagulopathy in patients with heart failure. International Journal of Cardiology, 2013, 168, 4965-4967.	1.7	6
29	Relationship between maximal incremental and high-intensity interval exercise performance in elite athletes. PLoS ONE, 2020, 15, e0226313.	2.5	6
30	Central and Peripheral Hemodynamic Adaptations During Cardiopulmonary Exercise Test in Heart Failure Patients With Exercise Periodic Breathing. International Heart Journal, 2015, 56, 432-438.	1.0	5
31	High-intensity interval training recuperates capacity of endogenous thrombin generation in heart failure patients with reduced ejection fraction. Thrombosis Research, 2020, 187, 159-165.	1.7	5
32	Artificial-Intelligence-Assisted Discovery of Genetic Factors for Precision Medicine of Antiplatelet Therapy in Diabetic Peripheral Artery Disease. Biomedicines, 2022, 10, 116.	3.2	5
33	Short-term intensive training attenuates the exercise-induced interaction of mono-1/2 cells and platelets after coronary bypass in cardiac patients. Thrombosis and Haemostasis, 2017, 117, 1761-1771.	3.4	4
34	Effects of normoxic and hypoxic exercise training on the bactericidal capacity and subsequent apoptosis of neutrophils in sedentary men. European Journal of Applied Physiology, 2018, 118, 1985-1995.	2.5	4
35	Laser Acupuncture for Carpal Tunnel Syndrome: A Single-Blinded Controlled Study. Journal of Alternative and Complementary Medicine, 2019, 25, 1035-1043.	2.1	4
36	Hypoxic Exercise Training Elevates Erythrocyte Aggregation. Applied Sciences (Switzerland), 2021, 11, 6038.	2.5	4

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37	Involvement of swallowing therapy is associated with improved long-term survival in patients with post-stroke dysphagia. European Journal of Physical and Rehabilitation Medicine, 2020, 55, 728-734.	2.2	4
38	Integration of Brain Tissue Saturation Monitoring in Cardiopulmonary Exercise Testing in Patients with Heart Failure. Journal of Visualized Experiments, 2019, , .	0.3	3
39	Noninvasive prediction of Blood Lactate through a machine learning-based approach. Scientific Reports, 2019, 9, 2180.	3.3	3
40	Application of stepper in cardiopulmonary exercise test for patients with hemiplegia. Medicine (United) Tj ETQq0 0 0 rgBT /Overlock 10	1.0	3
41	A randomized controlled trial of enhancing hypoxia-mediated right cardiac mechanics and reducing afterload after high intensity interval training in sedentary men. Scientific Reports, 2021, 11, 12564.	3.3	3
42	Cardiac Rehabilitation in Patients with Heart Failure. Acta Cardiologica Sinica, 2014, 30, 353-9.	0.2	3
43	Stepper-based Training Improves Monocyte-Platelet Aggregation and Thrombin Generation in Nonambulatory Hemiplegic Patients. Medicine and Science in Sports and Exercise, 2021, Publish Ahead of Print, .	0.4	2
44	Factors Associated With Participation Rate and Predictive of Improvement After Cardiac Rehabilitation in Patients With Heart Failure. Journal of Cardiopulmonary Rehabilitation and Prevention, 2023, 43, 49-54.	2.1	2
45	Detection of exercise periodic breathing using thermal flowmeter in patients with heart failure. Medical and Biological Engineering and Computing, 2017, 55, 1189-1198.	2.8	1
46	A Near Infrared Spectroscopy System for Assessing Rehabilitation on Peripheral Arterial Occlusion Patients. Journal of Medical and Biological Engineering, 2020, 40, 592-600.	1.8	1
47	The validation of oxygen uptake efficiency slope in patients with stroke. Medicine (United States), 2021, 100, e27384.	1.0	1
48	Motor control in patients with incomplete spinal cord injuries and various voluntary movement capabilities. Chang Gung Medical Journal, 2005, 28, 349-56.	0.7	1
49	Exercise Training Improves Mitochondrial Bioenergetics of Natural Killer Cells. Medicine and Science in Sports and Exercise, 2022, 54, 751-760.	0.4	1
50	Influence of heart rate variability in healthy subjects with respiratory manipulation. , 2015, , .		0
51	Weighted Polynomial Approximation for Automated Detection of Inspiratory Flow Limitation. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-10.	1.3	0
52	Analysis of Exercise-Induced Periodic Breathing Using an Autoregressive Model and the Hilbert-Huang Transform. Computational and Mathematical Methods in Medicine, 2018, 2018, 1-8.	1.3	0
53	Aerobic Interval Exercise Training Improves Ventilatory Efficiency in Patients with Chronic Heart Failure. FASEB Journal, 2011, 25, 1057.11.	0.5	0
54	Exercise Periodic Breathing Impairs Functional Capacity by Reducing the Ventilatoryâ€Hemodynamic Efficiency in Patients with Heart Failure. FASEB Journal, 2012, 26, 1142.9.	0.5	0

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55	Different physiological adaptations to aerobic interval training between heart failure patients with reduced and preserved ejection fractures. FASEB Journal, 2013, 27, 1132.17.	0.5	0
56	Reliability and Validity of Ventilatory Threshold and Respiratory Compensation Point Determined by Nearâ€infrared Spectroscopy. FASEB Journal, 2015, 29, 677.9.	0.5	0
57	Portable Near-Infrared Spectroscopy for Detecting Peripheral Arterial Occlusion. IFMBE Proceedings, 2018, , 109-113.	0.3	0
58	Liquid Phantom for Calibrating Tissue Oxygen Saturation Measurement. IFMBE Proceedings, 2020, , 191-197.	0.3	0
59	Supervised Cycling Training Improves Erythrocyte Rheology in Individuals With Peripheral Arterial Disease. Frontiers in Physiology, 2021, 12, 792398.	2.8	0