T Scott Bowen

List of Publications by Year
in descending order

37 papers	1,214 citations	394421 19 h-index	377865 34 g-index
37 all docs	37 docs citations	37 times ranked	1896 citing authors

#	Article	IF	Citations
1	Long-chain ceramides are cell non-autonomous signals linking lipotoxicity to endoplasmic reticulum stress in skeletal muscle. Nature Communications, 2022, 13, 1748.	12.8	21
2	Abnormal skeletal muscle blood flow, contractile mechanics and fibre morphology in a rat model of obeseâ€HFpEF. Journal of Physiology, 2021, 599, 981-1001.	2.9	21
3	Molecular Mechanisms of Diaphragm Myopathy in Humans With Severe Heart Failure. Circulation Research, 2021, 128, 706-719.	4.5	16
4	Firearms-related skeletal muscle trauma: pathophysiology and novel approaches for regeneration. Npj Regenerative Medicine, 2021, 6, 17.	5.2	8
5	Tolerating Large Preclinical Models of HFpEF But Without the Intolerance?. JACC Basic To Translational Science, 2021, 6, 397.	4.1	0
6	Older adults are not more susceptible to acute muscle atrophy after immobilisation compared to younger adults: a systematic review. European Journal of Trauma and Emergency Surgery, 2021, , 1.	1.7	4
7	Towards a personalised approach in exercise-based cardiovascular rehabilitation: How can translational research help? A â€˜call to actionâ€™ from the Section on Secondary Prevention and Cardiac Rehabilitation of the European Association of Preventive Cardiology. European Journal of Preventive Cardiology, 2020, 27, 1369-1385.	1.8	43
8	Divergent skeletal muscle mitochondrial phenotype between male and female patients with chronic heart failure. Journal of Cachexia, Sarcopenia and Muscle, 2020, 11, 79-88.	7.3	15
9	Chronic heart failure with diabetes mellitus is characterized by a severe skeletal muscle pathology. Journal of Cachexia, Sarcopenia and Muscle, 2020, 11, 394-404.	7.3	20
10	Unique Transcriptome Signature Distinguishes Patients With Heart Failure With Myopathy. Journal of the American Heart Association, 2020, 9, e017091.	3.7	11
11	Emerging Strategies Targeting Catabolic Muscle Stress Relief. International Journal of Molecular Sciences, 2020, 21, 4681.	4.1	9
12	Expression of MuRF1 or MuRF2 is essential for the induction of skeletal muscle atrophy and dysfunction in a murine pulmonary hypertension model. Skeletal Muscle, 2020, 10, 12.	4.2	20
13	Personalized Rate-Response Programming Improves Exercise Tolerance After 6 Months in People With Cardiac Implantable Electronic Devices and Heart Failure. Circulation, 2020, 141, 1693-1703.	1.6	12
14	Response by Gierula et al to Letter Regarding Article, â€œPersonalized Rate-Response Programming Improves Exercise Tolerance After 6 Months in People With Cardiac Implantable Electronic Devices and Heart Failure: A Phase II Studyâ€• Circulation, 2020, 142, e319-e320.	1.6	0
15	Anti-inflammatory nutrition with high protein attenuates cardiac and skeletal muscle alterations in a pulmonary arterial hypertension model. Scientific Reports, 2019, 9, 10160.	3.3	10
16	Smallâ€moleculeâ€mediated chemical knockâ€down of MuRF1/MuRF2 and attenuation of diaphragm dysfunction in chronic heart failure. Journal of Cachexia, Sarcopenia and Muscle, 2019, 10, 1102-1115.	7.3	35
17	Effects of Endurance Training on Detrimental Structural, Cellular, and Functional Alterations in Skeletal Muscles of Heart Failure With Preserved Ejection Fraction. Journal of Cardiac Failure, 2018, 24, 603-613.	1.7	24
18	Endothelial function is disturbed in a hypertensive diabetic animal model of HFpEF: Moderate continuous vs. high intensity interval training. International Journal of Cardiology, 2018, 273, 147-154.	1.7	30

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19	Diabetic heart failure patients demonstrate a mitochondrial complex I dependent impairment in skeletal muscle. FASEB Journal, 2018, 32, 903.10.	0.5	0
20	Exercise Training Reverses Extrapulmonary Impairments in Smoke-exposed Mice. Medicine and Science in Sports and Exercise, 2017, 49, 879-887.	0.4	18
21	Exercise Training Reveals Inflexibility of the Diaphragm in an Animal Model of Patients With Obesityâ€Driven Heart Failure With a Preserved Ejection Fraction. Journal of the American Heart Association, 2017, 6, .	3.7	36
22	Highâ€intensity interval training prevents oxidantmediated diaphragm muscle weakness in hypertensive mice. FASEB Journal, 2017, 31, 60-71.	0.5	22
23	Exercise Training Prevents Diaphragm Contractile Dysfunction in Heart Failure. Medicine and Science in Sports and Exercise, 2016, 48, 2118-2124.	0.4	21
24	Skeletal Muscle Alterations Are Exacerbated in Heart Failure With Reduced Compared With Preserved Ejection Fraction. Circulation: Heart Failure, 2016, 9, .	3.9	54
25	GreaterVì‡O_{2peak}is correlated with greater skeletal muscle deoxygenation amplitude and hemoglobin concentration within individual muscles during ramp-incremental cycle exercise. Physiological Reports, 2016, 4, e13065.	1.7	41
26	The Spatial Distribution of Absolute Skeletal Muscle Deoxygenation During Ramp-Incremental Exercise Is Not Influenced by Hypoxia. Advances in Experimental Medicine and Biology, 2016, 876, 19-26.	1.6	3
27	Inheriting a high aerobic fitness predisposes to skeletal muscle and endothelial dysfunction in chronic heart failure. International Journal of Cardiology, 2016, 203, 353-356.	1.7	2
28	Skeletal muscle wasting in cachexia and sarcopenia: molecular pathophysiology and impact of exercise training. Journal of Cachexia, Sarcopenia and Muscle, 2015, 6, 197-207.	7.3	300
29	Skeletal muscle alterations in chronic heart failure: differential effects on quadriceps and diaphragm. Journal of Cachexia, Sarcopenia and Muscle, 2015, 6, 381-390.	7.3	61
30	High-intensity interval training attenuates endothelial dysfunction in a Dahl salt-sensitive rat model of heart failure with preserved ejection fraction. Journal of Applied Physiology, 2015, 119, 745-752.	2.5	39
31	Heart failure with preserved ejection fraction induces molecular, mitochondrial, histological, and functional alterations in rat respiratory and limb skeletal muscle. European Journal of Heart Failure, 2015, 17, 263-272.	7.1	123
32	Diaphragm muscle weakness in mice is early-onset post-myocardial infarction and associated with elevated protein oxidation. Journal of Applied Physiology, 2015, 118, 11-19.	2.5	37
33	Heart Failure with Preserved Ejection Fraction Induces Molecular, Mitochondrial, Histological, and Functional Alterations in Rat Diaphragm Muscle. FASEB Journal, 2015, 29, 1013.3.	0.5	1
34	Skeletal muscle ATP turnover by ³¹P magnetic resonance spectroscopy during moderate and heavy bilateral knee extension. Journal of Physiology, 2014, 592, 5287-5300.	2.9	59
35	The intramuscular contribution to the slow oxygen uptake kinetics during exercise in chronic heart failure is related to the severity of the condition. Journal of Applied Physiology, 2012, 112, 378-387.	2.5	33
36	A novel cardiopulmonary exercise test protocol and criterion to determine maximal oxygen uptake in chronic heart failure. Journal of Applied Physiology, 2012, 113, 451-458.	2.5	32

#	Article	IF	Citations
37	A raised metabolic rate slows pulmonary O₂uptake kinetics on transition to moderate-intensity exercise in humans independently of work rate. Experimental Physiology, 2011, 96, 1049-1061.	2.0	33