

Kathryn H Myburgh

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

78
papers

6,801
citations

30
h-index

82
g-index

82
ext. papers

8,833
ext. citations

3.9
avg, IF

5.31
L-index

#	Paper	IF	Citations
78	Therapeutic Benefit in Rheumatoid Cachexia Illustrated Using a Novel Primary Human Triple Cell Coculture Model. <i>International Journal of Inflammation</i> , 2022 , 2022, 1-14	6.4	
77	Unresolved intramuscular inflammation, not diminished skeletal muscle regenerative capacity, is at the root of rheumatoid cachexia: insights from a rat CIA model. <i>Physiological Reports</i> , 2021 , 9, e15119	2.6	1
76	Methods to Mimic Muscle Cell Biology in Primary Human Myoblasts Using Quiescence as a Guidepost in Regenerative Medicine Research. <i>OMICS A Journal of Integrative Biology</i> , 2021 , 25, 176-189 ^{3.8}		
75	Co-culture of pro-inflammatory macrophages and myofibroblasts: Evaluating morphological phenotypes and screening the effects of signaling pathway inhibitors. <i>Physiological Reports</i> , 2021 , 9, e14704	2.6	2
74	In vitro induction of quiescence in isolated primary human myoblasts. <i>Cytotechnology</i> , 2020 , 72, 189-202 ^{2.2}		4
73	C-Reactive Protein Is Elevated Only in High Creatine Kinase Responders to Muscle Damaging Exercise. <i>Frontiers in Physiology</i> , 2019 , 10, 86	4.6	10
72	Interleukin-6 Induces Myogenic Differentiation via JAK2-STAT3 Signaling in Mouse C2C12 Myoblast Cell Line and Primary Human Myoblasts. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	26
71	Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. <i>Journal of Extracellular Vesicles</i> , 2018 , 7, 1535750	16.4	3642
70	Investigation of Circulating Extracellular Vesicle MicroRNA Following Two Consecutive Bouts of Muscle-Damaging Exercise. <i>Frontiers in Physiology</i> , 2018 , 9, 1149	4.6	35
69	Neutrophil and monocyte responses to downhill running: Intracellular contents of MPO, IL-6, IL-10, pstat3, and SOCS3. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2016 , 26, 638-47	4.6	13
68	Delayed wound healing and dysregulation of IL6/STAT3 signalling in MSCs derived from pre-diabetic obese mice. <i>Molecular and Cellular Endocrinology</i> , 2016 , 426, 1-10	4.4	18
67	Muscle satellite cells increase during hibernation in ground squirrels. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2015 , 189, 55-61	2.3	7
66	Simultaneous isolation of enriched myoblasts and fibroblasts for migration analysis within a novel co-culture assay. <i>BioTechniques</i> , 2015 , 58, 25-32	2.5	18
65	Skeletal muscle atrophy: disease-induced mechanisms may mask disuse atrophy. <i>Journal of Muscle Research and Cell Motility</i> , 2015 , 36, 405-21	3.5	30
64	Variable inflammation and intramuscular STAT3 phosphorylation and myeloperoxidase levels after downhill running. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2014 , 24, e360-71	4.6	10
63	Polyphenol supplementation: benefits for exercise performance or oxidative stress?. <i>Sports Medicine</i> , 2014 , 44 Suppl 1, S57-70	10.6	94
62	Proanthocyanidins, anthocyanins and cardiovascular diseases. <i>Food Research International</i> , 2014 , 59, 41-52	7	163

61	Skeletal muscle wasting with disuse atrophy is multi-dimensional: the response and interaction of myonuclei, satellite cells and signaling pathways. <i>Frontiers in Physiology</i> , 2014 , 5, 99	4.6	129
60	Acute change of titin at mid-sarcomere remains despite 8 wk of plyometric training. <i>Journal of Applied Physiology</i> , 2014 , 116, 1512-9	3.7	16
59	Identification of novel Kirrel3 gene splice variants in adult human skeletal muscle. <i>BMC Physiology</i> , 2014 , 14, 11	0	1
58	Contusion injury with chronic in vivo polyphenol supplementation: leukocyte responses. <i>Medicine and Science in Sports and Exercise</i> , 2014 , 46, 225-31	1.2	15
57	Satellite cell pool expansion is affected by skeletal muscle characteristics. <i>Muscle and Nerve</i> , 2013 , 48, 109-16	3.4	10
56	Simple silicone chamber system for in vitro three-dimensional skeletal muscle tissue formation. <i>Frontiers in Physiology</i> , 2013 , 4, 349	4.6	17
55	The gender gap in sport performance: equity influences equality. <i>International Journal of Sports Physiology and Performance</i> , 2013 , 8, 99-103	3.5	26
54	Current evidence that exercise can increase the number of adult stem cells. <i>Journal of Muscle Research and Cell Motility</i> , 2012 , 33, 187-98	3.5	34
53	Cytokine and satellite cell responses to muscle damage: interpretation and possible confounding factors in human studies. <i>Journal of Muscle Research and Cell Motility</i> , 2012 , 33, 177-85	3.5	26
52	Accelerated skeletal muscle recovery after in vivo polyphenol administration. <i>Journal of Nutritional Biochemistry</i> , 2012 , 23, 1072-9	6.3	34
51	Satellite cell count, VO ₂ (max) , and p38 MAPK in inactive to moderately active young men. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2012 , 22, e38-44	4.6	18
50	Preferential type II muscle fiber damage from plyometric exercise. <i>Journal of Athletic Training</i> , 2012 , 47, 414-20	4	52
49	Specific muscle adaptations in type II fibers after high-intensity interval training of well-trained runners. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2011 , 21, 765-72	4.6	53
48	Myostatin levels in skeletal muscle of hibernating ground squirrels. <i>Journal of Experimental Biology</i> , 2011 , 214, 2522-7	3	29
47	Daily brief restraint stress alters signaling pathways and induces atrophy and apoptosis in rat skeletal muscle. <i>Stress</i> , 2010 , 13, 132-41	3	18
46	Success, Race and Athletic Performance. <i>Journal for the Study of Sports and Athletes in Education</i> , 2010 , 4, 207-229	0.8	2
45	Effects of resistance exercise combined with essential amino acid supplementation and energy deficit on markers of skeletal muscle atrophy and regeneration during bed rest and active recovery. <i>Muscle and Nerve</i> , 2010 , 42, 927-35	3.4	37
44	Potential myogenic stem cell populations: sources, plasticity, and application for cardiac repair. <i>Stem Cells and Development</i> , 2009 , 18, 813-30	4.4	14

43	Three weeks of creatine monohydrate supplementation affects dihydrotestosterone to testosterone ratio in college-aged rugby players. <i>Clinical Journal of Sport Medicine</i> , 2009 , 19, 399-404	3.2	10
42	The inflammatory response to skeletal muscle injury: illuminating complexities. <i>Sports Medicine</i> , 2008 , 38, 947-69	10.6	181
41	Regional specialization of rat quadriceps myosin heavy chain isoforms occurring in distal to proximal parts of middle and deep regions is not mirrored by citrate synthase activity. <i>Journal of Anatomy</i> , 2007 , 210, 8-18	2.9	20
40	Identification of myosin heavy chain isoforms in skeletal muscle of four Southern African wild ruminants. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007 , 148, 399-407	2.6	14
39	Do skeletal muscle phenotypic characteristics of Xhosa and Caucasian endurance runners differ when matched for training and racing distances?. <i>Journal of Applied Physiology</i> , 2007 , 103, 932-40	3.7	34
38	Exercise pattern influences skeletal muscle hybrid fibers of runners and nonrunners. <i>Medicine and Science in Sports and Exercise</i> , 2007 , 39, 1977-84	1.2	35
37	Proanthocyanidin from grape seeds inactivates the PI3-kinase/PKB pathway and induces apoptosis in a colon cancer cell line. <i>Cancer Letters</i> , 2007 , 258, 144-53	9.9	107
36	Field and laboratory correlates of performance in competitive cross-country mountain bikers. <i>Journal of Sports Sciences</i> , 2007 , 25, 927-35	3.6	25
35	Are the relationships between early activation of lymphocytes and cortisol or testosterone influenced by intensified cycling training in men?. <i>Applied Physiology, Nutrition and Metabolism</i> , 2006 , 31, 226-34	3	8
34	Electrophoretic separation of human skeletal muscle myosin heavy chain isoforms: the importance of reducing agents. <i>Journal of Physiological Sciences</i> , 2006 , 56, 355-60	2.3	34
33	Nausea and high serum osmolality during a simulated ultraendurance adventure race: a case-control study. <i>International Journal of Sports Physiology and Performance</i> , 2006 , 1, 176-85	3.5	8
32	Characteristics of impala (<i>Aepyceros melampus</i>) skeletal muscles. <i>Meat Science</i> , 2005 , 69, 277-82	6.4	13
31	The acute hypoxic ventilatory response: testing the adaptive significance in human populations. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2005 , 140, 349-62	2.6	6
30	Measurement reliability of highly variable physiological responses to experimentally-manipulated gas fractions. <i>Physiological Measurement</i> , 2004 , 25, 1189-97	2.9	6
29	Protecting muscle ATP: positive roles for peripheral defense mechanisms-introduction. <i>Medicine and Science in Sports and Exercise</i> , 2004 , 36, 16-9	1.2	6
28	Can any metabolites partially alleviate fatigue manifestations at the cross-bridge?. <i>Medicine and Science in Sports and Exercise</i> , 2004 , 36, 20-7	1.2	9
27	Antioxidant supplementation enhances neutrophil oxidative burst in trained runners following prolonged exercise. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2003 , 13, 369-81	4.4	19
26	Effect of an ADP analog on isometric force and ATPase activity of active muscle fibers. <i>American Journal of Physiology - Cell Physiology</i> , 2003 , 284, C816-25	5.4	25

25	What makes an endurance athlete world-class? Not simply a physiological conundrum. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2003 , 136, 171-90	2.6	32
24	In vitro interleukin-6 release in whole blood cultures in samples taken at rest from triathletes and professional rugby players. <i>European Journal of Applied Physiology</i> , 2002 , 87, 233-7	3.4	9
23	A simple breathing circuit to maintain isocapnia during measurements of the hypoxic ventilatory response. <i>Respiratory Physiology and Neurobiology</i> , 2002 , 133, 259-70	2.8	10
22	Plasma lactate concentrations for self-selected maximal effort lasting 1 h. <i>Medicine and Science in Sports and Exercise</i> , 2001 , 33, 152-6	1.2	13
21	Running economy of African and Caucasian distance runners. <i>Medicine and Science in Sports and Exercise</i> , 2000 , 32, 1130-4	1.2	96
20	The effect of polyethylene glycol on the mechanics and ATPase activity of active muscle fibers. <i>Biophysical Journal</i> , 2000 , 78, 927-39	2.9	15
19	Oral creatine supplementation decreases plasma markers of adenine nucleotide degradation during a 1-h cycle test. <i>Acta Physiologica Scandinavica</i> , 2000 , 170, 217-24		6
18	African runners exhibit greater fatigue resistance, lower lactate accumulation, and higher oxidative enzyme activity. <i>Journal of Applied Physiology</i> , 1999 , 86, 915-23	3.7	67
17	Decreased resting metabolic rate in ballet dancers with menstrual irregularity. <i>International Journal of Sport Nutrition</i> , 1999 , 9, 285-94		15
16	Training techniques to improve fatigue resistance and enhance endurance performance. <i>Journal of Sports Sciences</i> , 1997 , 15, 325-33	3.6	72
15	Response of compressed skinned skeletal muscle fibers to conditions that simulate fatigue. <i>Journal of Applied Physiology</i> , 1997 , 82, 1297-304	3.7	15
14	Metabolic and performance adaptations to interval training in endurance-trained cyclists. <i>European Journal of Applied Physiology</i> , 1997 , 75, 298-304	3.4	85
13	Improved athletic performance in highly trained cyclists after interval training. <i>Medicine and Science in Sports and Exercise</i> , 1996 , 28, 1427-34	1.2	113
12	Age-related differences in cross-sectional geometry of the forearm bones in healthy women. <i>Calcified Tissue International</i> , 1994 , 54, 113-8	3.9	90
11	In vivo assessment of forearm bone mass and ulnar bending stiffness in healthy men. <i>Journal of Bone and Mineral Research</i> , 1992 , 7, 1345-50	6.3	26
10	Low Nutrient Intake Does Not Cause the Menstrual Cycle Interval Disturbances Seen in Some Ultramarathon Runners. <i>Clinical Journal of Sport Medicine</i> , 1991 , 1, 154-161	3.2	4
9	Low bone density is an etiologic factor for stress fractures in athletes. <i>Annals of Internal Medicine</i> , 1990 , 113, 754-9	8	311
8	Skeletal muscle limits the exercise tolerance of renal transplant recipients: effects of a graded exercise training program. <i>American Journal of Kidney Diseases</i> , 1990 , 16, 57-65	7.4	68

7	Peak treadmill running velocity during the VO2 max test predicts running performance. <i>Journal of Sports Sciences</i> , 1990 , 8, 35-45	3.6	267
6	Abnormal eating attitude test scores predict menstrual dysfunction in lean females. <i>International Journal of Eating Disorders</i> , 1988 , 7, 617-624	6.3	19
5	Carbohydrate ingestion and muscle glycogen depletion during marathon and ultramarathon racing. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1988 , 57, 482-9		39
4	The danger of an inadequate water intake during prolonged exercise. A novel concept re-visited. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1988 , 57, 210-9		75
3	Factors Associated With Shin Soreness in Athletes. <i>Physician and Sportsmedicine</i> , 1988 , 16, 129-34	2.4	23
2	The effect of iron and folate therapy on maximal exercise performance in female marathon runners with iron and folate deficiency. <i>Clinical Science</i> , 1987 , 72, 415-22	6.5	65
1	The effects of ankle guards and taping on joint motion before, during, and after a squash match. <i>American Journal of Sports Medicine</i> , 1984 , 12, 441-6	6.8	101