

Lee M Romer

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76
papers

3,299
citations

33
h-index

56
g-index

83
ext. papers

3,720
ext. citations

3
avg, IF

5.28
L-index

#	Paper	IF	Citations
76	Consequences of exercise-induced respiratory muscle work. <i>Respiratory Physiology and Neurobiology</i> , 2006 , 151, 242-50	2.8	222
75	Severity of arterial hypoxaemia affects the relative contributions of peripheral muscle fatigue to exercise performance in healthy humans. <i>Journal of Physiology</i> , 2007 , 581, 389-403	3.9	205
74	Exercise-induced respiratory muscle fatigue: implications for performance. <i>Journal of Applied Physiology</i> , 2008 , 104, 879-88	3.7	171
73	Effect of inspiratory muscle work on peripheral fatigue of locomotor muscles in healthy humans. <i>Journal of Physiology</i> , 2006 , 571, 425-39	3.9	127
72	Effects of inspiratory muscle training on time-trial performance in trained cyclists. <i>Journal of Sports Sciences</i> , 2002 , 20, 547-62	3.6	123
71	Effects of arterial oxygen content on peripheral locomotor muscle fatigue. <i>Journal of Applied Physiology</i> , 2006 , 101, 119-27	3.7	118
70	Intrapulmonary shunting and pulmonary gas exchange during normoxic and hypoxic exercise in healthy humans. <i>Journal of Applied Physiology</i> , 2008 , 104, 1418-25	3.7	107
69	Supraspinal fatigue after normoxic and hypoxic exercise in humans. <i>Journal of Physiology</i> , 2012 , 590, 2767-82	3.9	103
68	Effect of acute severe hypoxia on peripheral fatigue and endurance capacity in healthy humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007 , 292, R598-606	3.2	103
67	The sensory tolerance limit: A hypothetical construct determining exercise performance?. <i>European Journal of Sport Science</i> , 2018 , 18, 13-24	3.9	99
66	Effect of exercise-induced arterial hypoxemia on quadriceps muscle fatigue in healthy humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006 , 290, R365-75	3.2	96
65	Voluntary activation of human knee extensors measured using transcranial magnetic stimulation. <i>Experimental Physiology</i> , 2009 , 94, 995-1004	2.4	94
64	Specificity and reversibility of inspiratory muscle training. <i>Medicine and Science in Sports and Exercise</i> , 2003 , 35, 237-44	1.2	90
63	Effect of graded hypoxia on supraspinal contributions to fatigue with unilateral knee-extensor contractions. <i>Journal of Applied Physiology</i> , 2010 , 109, 1842-51	3.7	88
62	Inspiratory muscle fatigue in trained cyclists: effects of inspiratory muscle training. <i>Medicine and Science in Sports and Exercise</i> , 2002 , 34, 785-92	1.2	87
61	Sex differences in exercise-induced diaphragmatic fatigue in endurance-trained athletes. <i>Journal of Applied Physiology</i> , 2010 , 109, 35-46	3.7	80
60	Oxygen cost of exercise hyperpnoea is greater in women compared with men. <i>Journal of Physiology</i> , 2015 , 593, 1965-79	3.9	79

59	Effect of pedaling technique on mechanical effectiveness and efficiency in cyclists. <i>Medicine and Science in Sports and Exercise</i> , 2007 , 39, 991-5	1.2	75
58	Respiratory system determinants of peripheral fatigue and endurance performance. <i>Medicine and Science in Sports and Exercise</i> , 2008 , 40, 457-61	1.2	65
57	Inspiratory muscle training enhances pulmonary O ₂ uptake kinetics and high-intensity exercise tolerance in humans. <i>Journal of Applied Physiology</i> , 2010 , 109, 457-68	3.7	60
56	Exercise-induced abdominal muscle fatigue in healthy humans. <i>Journal of Applied Physiology</i> , 2006 , 100, 1554-62	3.7	58
55	Ventilation and respiratory mechanics. <i>Comprehensive Physiology</i> , 2012 , 2, 1093-142	7.7	52
54	Implications of moderate altitude training for sea-level endurance in elite distance runners. <i>European Journal of Applied Physiology</i> , 1998 , 78, 360-8	3.4	52
53	Effect of expiratory muscle fatigue on exercise tolerance and locomotor muscle fatigue in healthy humans. <i>Journal of Applied Physiology</i> , 2008 , 104, 1442-51	3.7	51
52	Inter-test reliability for non-invasive measures of respiratory muscle function in healthy humans. <i>European Journal of Applied Physiology</i> , 2004 , 91, 167-76	3.4	42
51	Transcranial magnetic stimulation in sport science: a commentary. <i>European Journal of Sport Science</i> , 2014 , 14 Suppl 1, S332-40	3.9	41
50	Transpulmonary passage of ^{99m} Tc macroaggregated albumin in healthy humans at rest and during maximal exercise. <i>Journal of Applied Physiology</i> , 2009 , 106, 1986-92	3.7	41
49	Autonomic function and exercise performance in elite athletes with cervical spinal cord injury. <i>Medicine and Science in Sports and Exercise</i> , 2013 , 45, 261-7	1.2	39
48	Dyspnoea in health and obstructive pulmonary disease : the role of respiratory muscle function and training. <i>Sports Medicine</i> , 2004 , 34, 117-32	10.6	39
47	AltitudeOmics: exercise-induced supraspinal fatigue is attenuated in healthy humans after acclimatization to high altitude. <i>Acta Physiologica</i> , 2014 , 210, 875-88	5.6	38
46	Resting cardiopulmonary function in Paralympic athletes with cervical spinal cord injury. <i>Medicine and Science in Sports and Exercise</i> , 2012 , 44, 323-9	1.2	37
45	Inspiratory muscles do not limit maximal incremental exercise performance in healthy subjects. <i>Respiratory Physiology and Neurobiology</i> , 2007 , 156, 353-61	2.8	37
44	Effects of inspiratory muscle training on respiratory muscle electromyography and dyspnea during exercise in healthy men. <i>Journal of Applied Physiology</i> , 2017 , 122, 1267-1275	3.7	34
43	Effects of inspiratory muscle training on exercise responses in Paralympic athletes with cervical spinal cord injury. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2014 , 24, 764-72	4.6	32
42	Exercise-induced quadriceps muscle fatigue in men and women: effects of arterial oxygen content and respiratory muscle work. <i>Journal of Physiology</i> , 2017 , 595, 5227-5244	3.9	30

41	Effects of abdominal binding on field-based exercise responses in Paralympic athletes with cervical spinal cord injury. <i>Journal of Science and Medicine in Sport</i> , 2014 , 17, 351-5	4.4	30
40	Modeling maximum oxygen uptake of elite endurance athletes. <i>Medicine and Science in Sports and Exercise</i> , 2003 , 35, 488-94	1.2	28
39	The effects of age and sex on mechanical ventilatory constraint and dyspnea during exercise in healthy humans. <i>Journal of Applied Physiology</i> , 2018 , 124, 1092-1106	3.7	27
38	Effect of abdominal binding on respiratory mechanics during exercise in athletes with cervical spinal cord injury. <i>Journal of Applied Physiology</i> , 2014 , 117, 36-45	3.7	26
37	No effect of arm-crank exercise on diaphragmatic fatigue or ventilatory constraint in Paralympic athletes with cervical spinal cord injury. <i>Journal of Applied Physiology</i> , 2010 , 109, 358-66	3.7	26
36	Psychophysiological effects of synchronous versus asynchronous music during cycling. <i>Medicine and Science in Sports and Exercise</i> , 2014 , 46, 407-13	1.2	24
35	Treatment of airway inflammation improves exercise pulmonary gas exchange and performance in asthmatic subjects. <i>Journal of Allergy and Clinical Immunology</i> , 2007 , 120, 39-47	11.5	24
34	Repeat exercise normalizes the gas-exchange impairment induced by a previous exercise bout in asthmatic subjects. <i>Journal of Applied Physiology</i> , 2005 , 99, 1843-52	3.7	24
33	Effects of abdominal binding on cardiorespiratory function in cervical spinal cord injury. <i>Respiratory Physiology and Neurobiology</i> , 2012 , 180, 275-82	2.8	23
32	Exercise and its impact on dyspnea. <i>Current Opinion in Pharmacology</i> , 2011 , 11, 195-203	5.1	20
31	Gas exchange during exercise in habitually active asthmatic subjects. <i>Journal of Applied Physiology</i> , 2005 , 99, 1938-50	3.7	20
30	Acute and chronic responses of the upper airway to inspiratory loading in healthy awake humans: an MRI study. <i>Respiratory Physiology and Neurobiology</i> , 2007 , 157, 270-80	2.8	19
29	Self-reported Symptoms after Induced and Inhibited Bronchoconstriction in Athletes. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 2005-13	1.2	18
28	Effect of expiratory resistive loading on inspiratory and expiratory muscle fatigue. <i>Respiratory Physiology and Neurobiology</i> , 2009 , 166, 164-74	2.8	18
27	Manipulation of mechanical ventilatory constraint during moderate intensity exercise does not influence dyspnoea in healthy older men and women. <i>Journal of Physiology</i> , 2019 , 597, 1383-1399	3.9	13
26	Effects of Age and Sex on Inspiratory Muscle Activation Patterns during Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 1882-1891	1.2	12
25	Expiratory muscle fatigue does not regulate operating lung volumes during high-intensity exercise in healthy humans. <i>Journal of Applied Physiology</i> , 2013 , 114, 1569-76	3.7	12
24	Influence of environmental temperature on exercise-induced inspiratory muscle fatigue. <i>European Journal of Applied Physiology</i> , 2004 , 91, 656-63	3.4	12

23	Influence of Upper-Body Exercise on the Fatigability of Human Respiratory Muscles. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 1461-1472	1.2	11
22	Effect of "Pose" cycling on efficiency and pedaling mechanics. <i>European Journal of Applied Physiology</i> , 2011 , 111, 1177-86	3.4	11
21	Excessive gas exchange impairment during exercise in a subject with a history of bronchopulmonary dysplasia and high altitude pulmonary edema. <i>High Altitude Medicine and Biology</i> , 2007 , 8, 62-7	1.9	11
20	Exercise-induced arterial hypoxemia: consequences for locomotor muscle fatigue. <i>Advances in Experimental Medicine and Biology</i> , 2006 , 588, 47-55	3.6	9
19	Effects of exercise-induced arterial hypoxaemia on limb muscle fatigue and performance. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2006 , 33, 391-4	3	9
18	Effect of terbutaline on hyperpnoea-induced bronchoconstriction and urinary club cell protein 16 in athletes. <i>Journal of Applied Physiology</i> , 2013 , 115, 1450-6	3.7	8
17	Acute effects of inspiratory pressure threshold loading upon airway resistance in people with asthma. <i>Respiratory Physiology and Neurobiology</i> , 2009 , 166, 159-63	2.8	6
16	Extrathoracic obstruction and hypoxemia occurring during exercise in a competitive female cyclist. <i>Chest</i> , 2003 , 124, 1602-5	5.3	6
15	Effect of cadence on locomotor-respiratory coupling during upper-body exercise. <i>European Journal of Applied Physiology</i> , 2017 , 117, 279-287	3.4	5
14	Influence of inspiratory resistive loading on expiratory muscle fatigue in healthy humans. <i>Experimental Physiology</i> , 2017 , 102, 1221-1233	2.4	5
13	Inspiratory muscle training as a tool for the management of patients with COPD. <i>European Respiratory Journal</i> , 2004 , 24, 510-1; author reply 511	13.6	5
12	Effect Of Inspiratory Muscle Training In Paralympic Athletes With Cervical Spinal Cord Injury. <i>Medicine and Science in Sports and Exercise</i> , 2009 , 41, 42-43	1.2	4
11	Perspective: Does Laboratory-Based Maximal Incremental Exercise Testing Elicit Maximum Physiological Responses in Highly-Trained Athletes with Cervical Spinal Cord Injury?. <i>Frontiers in Physiology</i> , 2015 , 6, 419	4.6	4
10	Mechanical-ventilatory responses to peak and ventilation-matched upper- versus lower-body exercise in normal subjects. <i>Experimental Physiology</i> , 2019 , 104, 920-931	2.4	3
9	Assessment of pulmonary restriction in cervical spinal cord injury: a preliminary report. <i>Archives of Physical Medicine and Rehabilitation</i> , 2012 , 93, 1463-5	2.8	3
8	Exercise-induced diaphragm fatigue in a Paralympic champion rower with spinal cord injury. <i>Journal of Applied Physiology</i> , 2018 , 124, 805-811	3.7	3
7	Physiological and Pathophysiological Consequences of a 25-Day Ultra-Endurance Exercise Challenge. <i>Frontiers in Physiology</i> , 2019 , 10, 589	4.6	2
6	Reply from Markus Amann, Lee M. Romer and Jerome A. Dempsey. <i>Journal of Physiology</i> , 2007 , 585, 923-924	3.4	1

- 5 Legs pay out for cost of breathing! **2007**, 25-27 1
- 4 Respiratory System Responses to Exercise in Spinal Cord Injury **2016**, 51-75 0
- 3 Systemic but not local rehydration restores dehydration-induced changes in pulmonary function in healthy adults. *Journal of Applied Physiology*, **2021**, 130, 517-527 3.7 0
- 2 Strength Training **2010**, 156-171
- 1 Quantification of Intrapulmonary Anatomic Shunt Induced by Exercise in Healthy Humans. *FASEB Journal*, **2006**, 20, A394 0.9