Jordan A Guenette

List of Publications by Citations

88 papers	2,392 citations	27 h-index	47 g-index
91 ext. papers	2,984 ext. citations	4.2 avg, IF	5 L-index

#	Paper	IF	Citations
88	ERS statement on respiratory muscle testing at rest and during exercise. *European Respiratory Journal*, **2019**, 53,	13.6	175
87	Pulmonary Gas Exchange Abnormalities in Mild Chronic Obstructive Pulmonary Disease. Implications for Dyspnea and Exercise Intolerance. *American Journal of Respiratory and Critical Care Medicine*, **2015**, 191, 1384-94	10.2	146
86	Respiratory mechanics during exercise in endurance-trained men and women. *Journal of Physiology*, **2007**, 581, 1309-22	3.9	138
85	Inspiratory muscle training attenuates the human respiratory muscle metaboreflex. *Journal of Physiology*, **2007**, 584, 1019-28	3.9	124
84	Does dynamic hyperinflation contribute to dyspnoea during exercise in patients with COPD?. *European Respiratory Journal*, **2012**, 40, 322-9	13.6	121
83	Decline of resting inspiratory capacity in COPD: the impact on breathing pattern, dyspnea, and ventilatory capacity during exercise. *Chest*, **2012**, 141, 753-762	5.3	121
82	Inspiratory Capacity during Exercise: Measurement, Analysis, and Interpretation. *Pulmonary Medicine*, **2013**, 2013, 956081	5.3	92
81	Mechanisms of exercise intolerance in global initiative for chronic obstructive lung disease grade 1 COPD. *European Respiratory Journal*, **2014**, 44, 1177-87	13.6	89
80	Evidence for dysanapsis using computed tomographic imaging of the airways in older ex-smokers. *Journal of Applied Physiology*, **2009**, 107, 1622-8	3.7	81
79	Sex differences in exercise-induced diaphragmatic fatigue in endurance-trained athletes. *Journal of Applied Physiology*, **2010**, 109, 35-46	3.7	80
78	Does the respiratory system limit exercise in mild chronic obstructive pulmonary disease?. *American Journal of Respiratory and Critical Care Medicine*, **2013**, 187, 1315-23	10.2	79
77	Effects of BMI on static lung volumes in patients with airway obstruction. *Chest*, **2011**, 140, 461-468	5.3	72
76	Sex differences in the resistive and elastic work of breathing during exercise in endurance-trained athletes. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2009**, 297, R166-75	3.2	60
75	Sex differences in exertional dyspnea in patients with mild COPD: physiological mechanisms. *Respiratory Physiology and Neurobiology*, **2011**, 177, 218-27	2.8	57
74	Effect of thoracic gas compression and bronchodilation on the assessment of expiratory flow limitation during exercise in healthy humans. *Respiratory Physiology and Neurobiology*, **2010**, 170, 279-86	2.8	53
73	Mechanisms of exertional dyspnoea in symptomatic smokers without COPD. *European Respiratory Journal*, **2016**, 48, 694-705	13.6	52
72	Face Masks and the Cardiorespiratory Response to Physical Activity in Health and Disease. *Annals of the American Thoracic Society*, **2021**, 18, 399-407	4.7	45

71	Respiratory function and the obesity paradox. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2010**, 13, 618-24	3.8	39
70	Exertional hypoxemia is more severe in fibrotic interstitial lung disease than in COPD. *Respirology*, **2018**, 23, 392-398	3.6	39
69	Pulmonary function and functional capacity in COVID-19 survivors with persistent dyspnoea. *Respiratory Physiology and Neurobiology*, **2021**, 288, 103644	2.8	37
68	Sex differences in diaphragmatic fatigue: the cardiovascular response to inspiratory resistance. *Journal of Physiology*, **2018**, 596, 4017-4032	3.9	35
67	Effects of inspiratory muscle training on respiratory muscle electromyography and dyspnea during exercise in healthy men. *Journal of Applied Physiology*, **2017**, 122, 1267-1275	3.7	34
66	Effects of hyperoxia on dyspnoea and exercise endurance in fibrotic interstitial lung disease. *European Respiratory Journal*, **2017**, 49,	13.6	33
65	Diaphragm Recruitment Increases during a Bout of Targeted Inspiratory Muscle Training. *Medicine and Science in Sports and Exercise*, **2016**, 48, 1179-86	1.2	31
64	Sex differences in the intensity and qualitative dimensions of exertional dyspnea in physically active young adults. *Journal of Applied Physiology*, **2015**, 119, 998-1006	3.7	28
63	Sternocleidomastoid muscle deoxygenation in response to incremental inspiratory threshold loading measured by near infrared spectroscopy. *Respiratory Physiology and Neurobiology*, **2011**, 178, 202-9	2.8	28
62	Respiratory muscle endurance after training in athletes and non-athletes: A systematic review and meta-analysis. *Physical Therapy in Sport*, **2016**, 17, 76-86	3	27
61	High Oxygen Delivery to Preserve Exercise Capacity in Patients with Idiopathic Pulmonary Fibrosis Treated with Nintedanib. Methodology of the HOPE-IPF Study. *Annals of the American Thoracic Society*, **2016**, 13, 1640-7	4.7	27
60	The effects of age and sex on mechanical ventilatory constraint and dyspnea during exercise in healthy humans. *Journal of Applied Physiology*, **2018**, 124, 1092-1106	3.7	27
59	Resting Physiological Correlates of Reduced Exercise Capacity in Smokers with Mild Airway Obstruction. *COPD: Journal of Chronic Obstructive Pulmonary Disease*, **2017**, 14, 267-275	2	24
58	Quantifying the shape of the maximal expiratory flow-volume curve in mild COPD. *Respiratory Physiology and Neurobiology*, **2015**, 219, 30-5	2.8	22
57	Differences in respiratory muscle activity during cycling and walking do not influence dyspnea perception in obese patients with COPD. *Journal of Applied Physiology*, **2014**, 117, 1292-301	3.7	22
56	Does exercise test modality influence dyspnoea perception in obese patients with COPD?. *European Respiratory Journal*, **2014**, 43, 1621-30	13.6	22
55	Supplemental Oxygen in Interstitial Lung Disease: An Art in Need of Science. *Annals of the American Thoracic Society*, **2017**, 14, 1373-1377	4.7	21
54	Neurophysiological mechanisms of exertional dyspnoea in fibrotic interstitial lung disease. *European Respiratory Journal*, **2018**, 51,	13.6	20

53	Sex differences in respiratory muscle activation patterns during high-intensity exercise in healthy humans. *Respiratory Physiology and Neurobiology*, **2018**, 247, 57-60	2.8	20
52	Effect of age-related ventilatory inefficiency on respiratory sensation during exercise. *Respiratory Physiology and Neurobiology*, **2015**, 205, 129-39	2.8	18
51	Normative Peak Cardiopulmonary Exercise Test Responses in Canadian Adults Aged 40 Years. *Chest*, **2020**, 158, 2532-2545	5.3	18
50	Effect of adjunct fluticasone propionate on airway physiology during rest and exercise in COPD. *Respiratory Medicine*, **2011**, 105, 1836-45	4.6	15
49	Lung density is not altered following intense normobaric hypoxic interval training in competitive female cyclists. *Journal of Applied Physiology*, **2007**, 103, 875-82	3.7	15
48	Effect of diaphragm fatigue on subsequent exercise tolerance in healthy men and women. *Journal of Applied Physiology*, **2018**, 125, 1987-1996	3.7	14
47	Effect of fluticasone/salmeterol combination on dyspnea and respiratory mechanics in mild-to-moderate COPD. *Respiratory Medicine*, **2013**, 107, 708-16	4.6	13
46	Manipulation of mechanical ventilatory constraint during moderate intensity exercise does not influence dyspnoea in healthy older men and women. *Journal of Physiology*, **2019**, 597, 1383-1399	3.9	13
45	Effects of Age and Sex on Inspiratory Muscle Activation Patterns during Exercise. *Medicine and Science in Sports and Exercise*, **2018**, 50, 1882-1891	1.2	12
44	Cardiorespiratory and sensory responses to exercise in adults with mild cystic fibrosis. *Journal of Applied Physiology*, **2015**, 119, 1289-96	3.7	11
43	Combined effects of mild-to-moderate obesity and asthma on physiological and sensory responses to exercise. *Respiratory Medicine*, **2015**, 109, 1397-403	4.6	10
42	Association between exercise-induced change in body composition and change in cardiometabolic risk factors in postmenopausal South Asian women. *Applied Physiology, Nutrition and Metabolism*, **2016**, 41, 931-7	3	10
41	Modelling the effects of age and sex on the resistive and viscoelastic components of the work of breathing during exercise. *Experimental Physiology*, **2019**, 104, 1737-1745	2.4	9
40	Qualitative dimensions of exertional dyspnea in adults with cystic fibrosis. *Journal of Applied Physiology*, **2016**, 121, 449-56	3.7	9
39	Is parasternal intercostal EMG an accurate surrogate of respiratory neural drive and biomarker of dyspnea during cycle exercise testing?. *Respiratory Physiology and Neurobiology*, **2017**, 242, 40-44	2.8	8
38	Exercise Pathophysiology in Interstitial Lung Disease. *Clinics in Chest Medicine*, **2019**, 40, 405-420	5.3	7
37	Ventilatory and sensory responses to incremental exercise in adults with a Fontan circulation. *American Journal of Physiology - Heart and Circulatory Physiology*, **2019**, 316, H335-H344	5.2	7
36	Qualitative dimensions of exertional dyspnea in fibrotic interstitial lung disease. *Respiratory Physiology and Neurobiology*, **2019**, 266, 1-8	2.8	6

35	Cardiorespiratory and sensory responses to exercise in well-controlled asthmatics. *Journal of Asthma*, **2015**, 52, 576-82	1.9	6
34	The effect of diaphragm fatigue on the multidimensional components of dyspnoea and diaphragm electromyography during exercise in healthy males. *Journal of Physiology*, **2020**, 598, 3223-3237	3.9	6
33	Toe-in and toe-out walking require different lower limb neuromuscular patterns in people with knee osteoarthritis. *Journal of Biomechanics*, **2018**, 76, 112-118	2.9	6
32	A multidimensional assessment of dyspnoea in healthy adults during exercise. *European Journal of Applied Physiology*, **2020**, 120, 2533-2545	3.4	6
31	The Impact of Cycling Cadence on Respiratory and Hemodynamic Responses to Exercise. *Medicine and Science in Sports and Exercise*, **2019**, 51, 1727-1735	1.2	6
30	Minimal Important Difference for Physical Activity and Validity of the International Physical Activity Questionnaire in Interstitial Lung Disease. *Annals of the American Thoracic Society*, **2019**, 16, 107-115	4.7	6
29	Physiological mechanisms of dyspnea relief following ivacaftor in cystic fibrosis: a case report. *Respiratory Physiology and Neurobiology*, **2015**, 205, 105-8	2.8	5
28	Supplemental oxygen and dypsnoea in interstitial lung disease: absence of evidence is not evidence of absence. *European Respiratory Review*, **2017**, 26,	9.8	5
27	Contralateral limb foot rotation during unilateral toe-in or toe-out walking in people with knee osteoarthritis. *Gait and Posture*, **2018**, 62, 132-134	2.6	4
26	Can an 86-year-old woman with advanced lung disease be a world class athlete?. *Respiratory Physiology and Neurobiology*, **2012**, 181, 162-6	2.8	3
25	Analysis of maximal expiratory flow-volume curves in adult survivors of preterm birth. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2019**, 317, R588-R596	3.2	2
24	Short-term effects of Lumacaftor/Ivacaftor (Orkambi) on exertional symptoms, exercise performance, and ventilatory responses in adults with cystic fibrosis. *Respiratory Research*, **2020**, 21, 135	7.3	2
23	Effects of traffic-related air pollution on exercise endurance, dyspnea and cardiorespiratory physiology in health and COPD - A randomized, placebo-controlled crossover trial. *Chest*, **2021**,	5.3	2
22	Cardiopulmonary Exercise Testing in Patients With Interstitial Lung Disease. *Frontiers in Physiology*, **2020**, 11, 832	4.6	2
21	Near-infrared spectroscopy measures of sternocleidomastoid blood flow during exercise and hyperpnoea. *Experimental Physiology*, **2020**, 105, 2226-2237	2.4	2
20	Self-initiated lifestyle interventions lead to potential insight into an effective, alternative, non-surgical therapy for mitochondrial disease associated multiple symmetric lipomatosis. *Mitochondrion*, **2020**, 52, 183-189	4.9	2
19	Normative Cardiopulmonary Exercise Test Responses at the Ventilatory Threshold in Canadian Adults 40 to 80 Years of Age. *Chest*, **2021**, 159, 1922-1933	5.3	2
18	Ventilatory responses to constant load exercise following the inhalation of a short-acting β-agonist in a laboratory-controlled diesel exhaust exposure study in individuals with exercise-induced bronchoconstriction. *Environment International*, **2021**, 146, 106182	12.9	2

17	Pathophysiological mechanisms of exertional breathlessness in chronic obstructive pulmonary disease and interstitial lung disease. *Current Opinion in Supportive and Palliative Care*, **2018**, 12, 237-245	2.6	1
16	How we do it - Using cardiopulmonary exercise testing to understand dyspnea and exercise intolerance in respiratory disease.. *Chest*, **2022**,	5.3	1
15	Reliability of diaphragm voluntary activation measurements in healthy adults. *Applied Physiology, Nutrition and Metabolism*, **2021**, 46, 247-256	3	1
14	Pectoralis muscle area and its association with indices of disease severity in interstitial lung disease. *Respiratory Medicine*, **2021**, 186, 106539	4.6	1
13	Phenotyping Cardiopulmonary Exercise Limitations in Chronic Obstructive Pulmonary Disease.. *Frontiers in Physiology*, **2022**, 13, 816586	4.6	1
12	Cardiorespiratory physiology, exertional symptoms, and psychological burden in post-COVID-19 fatigue.. *Respiratory Physiology and Neurobiology*, **2022**, 103898	2.8	1
11	Ketogenic diet for mitochondrial disease: potential role in treating the Multiple Symmetric Lipomatosis phenotype associated with the common MT-TK genetic mutation.. *Orphanet Journal of Rare Diseases*, **2022**, 17, 12	4.2	0
10	Supplemental oxygen for the management of dyspnea in interstitial lung disease. *Current Opinion in Supportive and Palliative Care*, **2019**, 13, 174-178	2.6	0
9	Association of BMI with pulmonary function, functional capacity, symptoms, and quality of life in ILD.. *Respiratory Medicine*, **2022**, 195, 106792	4.6	0
8	Physical activity measurement accuracy in advanced chronic lung disease. *Canadian Journal of Respiratory, Critical Care, and Sleep Medicine*, **2018**, 2, 9-18	0.6	
7	Reply to Topalovic and Janssens: Re: Quantifying the shape of the maximal expiratory flow-volume curve to address flow limitation. *Respiratory Physiology and Neurobiology*, **2016**, 227, 68	2.8	
6	Reply to: Assessment of neural respiratory drive from the parasternal intercostal muscles. *Respiratory Physiology and Neurobiology*, **2019**, 259, 173-175	2.8	
5	Patterns of cardiopulmonary response to exercise in fibrotic ILD128-145		
4	Case Studies in Physiology: Cardiopulmonary exercise testing and inspiratory muscle training in a 59-year-old, 4 years after an extrapleural pneumonectomy. *Journal of Applied Physiology*, **2021**, 131, 1701-1707	3.7	
3	Characterization and determinants of sleep measured by self-report and wrist actigraphy in patients with interstitial lung disease. *Canadian Journal of Respiratory, Critical Care, and Sleep Medicine*, **2020**, 1-9	0.6	
2	Reply to Beltrami. *Experimental Physiology*, **2021**, 106, 791-792	2.4	
1	Costs of oxygen therapy for interstitial lung disease and chronic obstructive pulmonary disease: A retrospective study from a universal healthcare system. *Canadian Journal of Respiratory, Critical Care, and Sleep Medicine*,1-8	0.6	