Yannick Molgat-Seon

List of Publications by Year
in descending order

58 papers	1,184 citations	430754 18 h-index	414303 32 g-index
58 all docs	58 docs citations	58 times ranked	1204 citing authors

#	Article	IF	Citations
1	Face Masks and the Cardiorespiratory Response to Physical Activity in Health and Disease. Annals of the American Thoracic Society, 2021, 18, 399-407.	1.5	118
2	Oxygen cost of exercise hyperpnoea is greater in women compared with men. Journal of Physiology, 2015, 593, 1965-1979.	1.3	108
3	Effects of respiratory muscle work on respiratory and locomotor blood flow during exercise. Experimental Physiology, 2017, 102, 1535-1547.	0.9	95
4	Revisiting dysanapsis: sexâ€based differences in airways and the mechanics of breathing during exercise. Experimental Physiology, 2016, 101, 213-218.	0.9	69
5	Dysanapsis and the resistive work of breathing during exercise in healthy men and women. Journal of Applied Physiology, 2015, 119, 1105-1113.	1.2	66
6	Effects of inspiratory muscle training on respiratory muscle electromyography and dyspnea during exercise in healthy men. Journal of Applied Physiology, 2017, 122, 1267-1275.	1.2	51
7	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.	1.2	50
8	Effects of hyperoxia on dyspnoea and exercise endurance in fibrotic interstitial lung disease. European Respiratory Journal, 2017, 49, 1602494.	3.1	45
9	Exerciseâ€induced quadriceps muscle fatigue in men and women: effects of arterial oxygen content and respiratory muscle work. Journal of Physiology, 2017, 595, 5227-5244.	1.3	44
10	Sex Differences in the Pulmonary System Influence the Integrative Response to Exercise. Exercise and Sport Sciences Reviews, 2019, 47, 142-150.	1.6	41
11	Diaphragm Recruitment Increases during a Bout of Targeted Inspiratory Muscle Training. Medicine and Science in Sports and Exercise, 2016, 48, 1179-1186.	0.2	39
12	Sex-differences in the human respiratory system and their impact on resting pulmonary function and the integrative response to exercise. Current Opinion in Physiology, 2018, 6, 21-27.	0.9	35
13	Neurophysiological mechanisms of exertional dyspnoea in fibrotic interstitial lung disease. European Respiratory Journal, 2018, 51, 1701726.	3.1	28
14	Impact of wearing a surgical and cloth mask during cycle exercise. Applied Physiology, Nutrition and Metabolism, 2021, 46, 1-10.	0.9	24
15	Sex, gender and the pulmonary physiology of exercise. European Respiratory Review, 2022, 31, 210074.	3.0	24
16	Lung volume recruitment acutely increases respiratory system compliance in individuals with severe respiratory muscle weakness. ERJ Open Research, 2017, 3, 00135-2016.	1.1	23
17	Effects of Age and Sex on Inspiratory Muscle Activation Patterns during Exercise. Medicine and Science in Sports and Exercise, 2018, 50, 1882-1891.	0.2	22
18	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.	1.3	22

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19	Precise mimicking of exercise hyperpnea to investigate the oxygen cost of breathing. Respiratory Physiology and Neurobiology, 2014, 201, 15-23.	0.7	21
20	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.	0.9	20
21	The Mechanics of Breathing during Swimming. Medicine and Science in Sports and Exercise, 2019, 51, 1467-1476.	0.2	18
22	Skin temperature over the carotid artery provides an accurate noninvasive estimation of core temperature in infants and young children during general anesthesia. Paediatric Anaesthesia, 2013, 23, 1109-1116.	0.6	17
23	Oral contraceptives modulate the muscle metaboreflex in healthy young women. Applied Physiology, Nutrition and Metabolism, 2018, 43, 460-466.	0.9	16
24	Exercise Pathophysiology in Interstitial Lung Disease. Clinics in Chest Medicine, 2019, 40, 405-420.	0.8	14
25	Pectoralis muscle area and its association with indices of disease severity in interstitial lung disease. Respiratory Medicine, 2021, 186, 106539.	1.3	14
26	Do greater rates of body heat storage precede the accelerated reduction of self-paced exercise intensity in the heat?. European Journal of Applied Physiology, 2014, 114, 2399-2410.	1.2	13
27	Minimizing airflow turbulence in women lowers the work of breathing to levels similar to men. Journal of Applied Physiology, 2020, 129, 410-418.	1.2	13
28	Cardiorespiratory and sensory responses to exercise in adults with mild cystic fibrosis. Journal of Applied Physiology, 2015, 119, 1289-1296.	1.2	12
29	Cardiopulmonary Exercise Testing in Patients With Interstitial Lung Disease. Frontiers in Physiology, 2020, 11, 832.	1.3	12
30	Effect of tidal volume and positive end-expiratory pressure on expiratory time constants in experimental lung injury. Physiological Reports, 2016, 4, e12737.	0.7	10
31	Quantifying the shape of maximal expiratory flow-volume curves in healthy humans and asthmatic patients. Respiratory Physiology and Neurobiology, 2016, 220, 46-53.	0.7	10
32	Accidental overheating of a newborn under an infant radiant warmer: a lesson for future use. Journal of Perinatology, 2013, 33, 738-739.	0.9	8
33	Fiber optic endoscopic optical coherence tomography (OCT) to assess human airways: The relationship between anatomy and physiological function during dynamic exercise. Physiological Reports, 2021, 9, e14657.	0.7	8
34	Physiological mechanisms of dyspnea relief following ivacaftor in cystic fibrosis: A case report. Respiratory Physiology and Neurobiology, 2015, 205, 105-108.	0.7	7
35	Supplemental oxygen and dypsnoea in interstitial lung disease: absence of evidence is not evidence of absence. European Respiratory Review, 2017, 26, 170033.	3.0	7
36	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.	0.9	7

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37	Qualitative dimensions of exertional dyspnea in fibrotic interstitial lung disease. Respiratory Physiology and Neurobiology, 2019, 266, 1-8.	0.7	7
38	Assessing neonatal heat balance and physiological strain in newborn infants nursed under radiant warmers in intensive care with fentanyl sedation. European Journal of Applied Physiology, 2014, 114, 2539-2549.	1.2	6
39	Body temperature mapping in critically ill newborn infants nursed under radiant warmers during intensive care. Journal of Perinatology, 2016, 36, 540-543.	0.9	6
40	Influence of inspiratory resistive loading on expiratory muscle fatigue in healthy humans. Experimental Physiology, 2017, 102, 1221-1233.	0.9	6
41	Predictors of Expiratory Flow Limitation during Exercise in Healthy Males and Females. Medicine and Science in Sports and Exercise, 2022, 54, 1428-1436.	0.2	5
42	Gas density alters expiratory time constants before and after experimental lung injury. Experimental Physiology, 2015, 100, 1217-1228.	0.9	4
43	Therapeutic hypothermia attenuates physiologic, histologic, and metabolomic markers of injury in a porcine model of acute respiratory distress syndrome. Physiological Reports, 2022, 10, e15286.	0.7	4
44	Administration of intrapulmonary sodium polyacrylate to induce lung injury for the development of a porcine model of early acute respiratory distress syndrome. Intensive Care Medicine Experimental, 2014, 2, 5.	0.9	3
45	Functional respiratory imaging, regional strain, and expiratory time constants at three levels of positive end expiratory pressure in an exÂvivo pig model. Physiological Reports, 2016, 4, e13059.	0.7	3
46	Supplemental oxygen for the management of dyspnea in interstitial lung disease. Current Opinion in Supportive and Palliative Care, 2019, 13, 174-178.	0.5	3
47	Reliability of diaphragm voluntary activation measurements in healthy adults. Applied Physiology, Nutrition and Metabolism, 2021, 46, 247-256.	0.9	3
48	Effect of Therapeutic Hypothermia on Physiologic, Histologic and Metabolomic Markers of Lung Injury in Experimental Acute Respiratory Distress Syndrome. FASEB Journal, 2021, 35, .	0.2	1
49	Quantifying heat balance components in neonates nursed under radiant warmers in neonatal intensive care. FASEB Journal, 2012, 26, lb743.	0.2	1
50	Characterizing The Mechanics Of Breathing In Swimmers. Medicine and Science in Sports and Exercise, 2018, 50, 284.	0.2	1
51	Do isolated leg exercises improve dyspnea during exercise in chronic obstructive pulmonary disease?. Applied Physiology, Nutrition and Metabolism, 2013, 38, 996-998.	0.9	0
52	Age and Sex Differences in the Mechanical Ventilatory Response to Exercise. Medicine and Science in Sports and Exercise, 2016, 48, 154.	0.2	0
53	Effects Of Inspiratory Muscle Training On Inspiratory And Locomotor Muscle Hemodynamics During Exercise In Men. Medicine and Science in Sports and Exercise, 2016, 48, 454-455.	0.2	0
54	Physiological Responses to Cardiopulmonary Exercise Testing in an Individual Four Years After an Extra-Pleural Pneumonectomy. , 2021, , .		0

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55	Effects Of Exercise-induced Respiratory Muscle Work And Hypoxemia On Quadriceps Fatigue In Men Versus Women. Medicine and Science in Sports and Exercise, 2016, 48, 671.	0.2	0
56	Effect of Inspiratory Resistive Loading on Expiratory Muscle Fatigue. Medicine and Science in Sports and Exercise, 2016, 48, 455.	0.2	0
57	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.	1.2	0
58	Patterns of cardiopulmonary response to exercise in fibrotic ILD. , 0, , 128-145.		0