Kurt J Sollanek

List of Publications by Year
in descending order

24	536	840585 11	839398 18
papers	citations	h-index	g-index

24	24	24	774
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ventilator-induced diaphragm dysfunction: cause and effect. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 305, R464-R477.	0.9	128
2	Crosstalk between autophagy and oxidative stress regulates proteolysis in the diaphragm during mechanical ventilation. Free Radical Biology and Medicine, 2018, 115, 179-190.	1.3	83
3	Water-deficit equation: systematic analysis and improvement. American Journal of Clinical Nutrition, 2013, 97, 79-85.	2.2	48
4	Inhibition of Janus kinase signaling during controlled mechanical ventilation prevents ventilationâ€induced diaphragm dysfunction. FASEB Journal, 2014, 28, 2790-2803.	0.2	36
5	Potential impact of a 500-mL water bolus and body mass on plasma osmolality dilution. European Journal of Applied Physiology, 2011, 111, 1999-2004.	1.2	34
6	Influence of endurance exercise training on antioxidant enzymes, tight junction proteins, and inflammatory markers in the rat ileum. BMC Research Notes, 2015, 8, 514.	0.6	33
7	Global Proteome Changes in the Rat Diaphragm Induced by Endurance Exercise Training. PLoS ONE, 2017, 12, e0171007.	1.1	29
8	Cervical spinal cord injury exacerbates ventilator-induced diaphragm dysfunction. Journal of Applied Physiology, 2016, 120, 166-177.	1.2	28
9	AT₁receptor blocker losartan protects against mechanical ventilation-induced diaphragmatic dysfunction. Journal of Applied Physiology, 2015, 119, 1033-1041.	1.2	27
10	Effects of exercise preconditioning and HSP72 on diaphragm muscle function during mechanical ventilation. Journal of Cachexia, Sarcopenia and Muscle, 2019, 10, 767-781.	2.9	24
11	Neither body mass nor sex influences beverage hydration index outcomes during randomized trial when comparing 3 commercial beverages. American Journal of Clinical Nutrition, 2018, 107, 544-549.	2.2	17
12	The effects of enalapril and losartan on mechanical ventilationâ€“induced sympathoadrenal activation and oxidative stress in rats. Journal of Surgical Research, 2014, 188, 510-516.	0.8	11
13	Role of intrinsic aerobic capacity and ventilator-induced diaphragm dysfunction. Journal of Applied Physiology, 2015, 118, 849-857.	1.2	11
14	Blockage of the Ryanodine Receptor via Azumolene Does Not Prevent Mechanical Ventilation-Induced Diaphragm Atrophy. PLoS ONE, 2016, 11, e0148161.	1.1	7
15	Comparative changes in antioxidant enzymes and oxidative stress in cardiac, fast twitch and slow twitch skeletal muscles following endurance exercise training. International Journal of Physiology, Pathophysiology and Pharmacology, 2016, 8, 160-168.	0.8	7
16	Osmolality of Commercially Available Oral Rehydration Solutions: Impact of Brand, Storage Time, and Temperature. Nutrients, 2019, 11, 1485.	1.7	5
17	Importance of sample volume to the measurement and interpretation of plasma osmolality. Journal of Clinical Laboratory Analysis, 2019, 33, e22727.	0.9	5
18	Biological variation of arginine vasopressin. European Journal of Applied Physiology, 2020, 120, 635-642.	1.2	3

#	Article	IF	Citations
19	Increased mitochondrial ROS production is required for ventilatorâ€induced myonuclear apoptosis in the diaphragm. FASEB Journal, 2012, 26, 1075.11.	0.2	0
20	Mechanical ventilation impairs sarcomeric protein function in rat diaphragm single fibers. FASEB Journal, 2013, 27, 939.3.	0.2	0
21	FoxO transcription contributes to mechanical ventilationâ€induced diaphragm atrophy and contractile dysfunction. FASEB Journal, 2013, 27, 939.1.	0.2	0
22	Matrix metalloproteinaseâ€2 is not active in the diaphragm during mechanical ventilation. FASEB Journal, 2013, 27, lb779.	0.2	0
23	Effects of Endurance Exercise Training on Gastrointestinal Barrier. FASEB Journal, 2015, 29, LB663.	0.2	0
24	Effects of Mechanical Ventilation and Autophagy on Diaphragm Oxidative Stress and Proteolysis. FASEB Journal, 2015, 29, 821.7.	0.2	0