

# W Bradley Nelson

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

2,045  
citations

448610

19  
h-index

591227

27  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2733  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exercise-induced oxidative stress in humans: Cause and consequences. <i>Free Radical Biology and Medicine</i> , 2011, 51, 942-950.	1.3	340
2	Mitochondria-targeted antioxidants protect against mechanical ventilation-induced diaphragm weakness*. <i>Critical Care Medicine</i> , 2011, 39, 1749-1759.	0.4	231
3	Mechanical ventilation induces diaphragmatic mitochondrial dysfunction and increased oxidant production. <i>Free Radical Biology and Medicine</i> , 2009, 46, 842-850.	1.3	185
4	Oxidative stress is required for mechanical ventilation-induced protease activation in the diaphragm. <i>Journal of Applied Physiology</i> , 2010, 108, 1376-1382.	1.2	166
5	Oxidation enhances myofibrillar protein degradation via calpain and caspase-3. <i>Free Radical Biology and Medicine</i> , 2010, 49, 1152-1160.	1.3	165
6	Both high level pressure support ventilation and controlled mechanical ventilation induce diaphragm dysfunction and atrophy. <i>Critical Care Medicine</i> , 2012, 40, 1254-1260.	0.4	151
7	Extracellular matrix remodeling and its contribution to protective adaptation following lengthening contractions in human muscle. <i>FASEB Journal</i> , 2015, 29, 2894-2904.	0.2	107
8	Cross-talk between the calpain and caspase-3 proteolytic systems in the diaphragm during prolonged mechanical ventilation. <i>Critical Care Medicine</i> , 2012, 40, 1857-1863.	0.4	98
9	Xanthine oxidase contributes to mechanical ventilation-induced diaphragmatic oxidative stress and contractile dysfunction. <i>Journal of Applied Physiology</i> , 2009, 106, 385-394.	1.2	87
10	Crosstalk between autophagy and oxidative stress regulates proteolysis in the diaphragm during mechanical ventilation. <i>Free Radical Biology and Medicine</i> , 2018, 115, 179-190.	1.3	83
11	Endurance exercise attenuates ventilator-induced diaphragm dysfunction. <i>Journal of Applied Physiology</i> , 2012, 112, 501-510.	1.2	65
12	Nuclear factor- $\kappa$ B signaling contributes to mechanical ventilation-induced diaphragm weakness*. <i>Critical Care Medicine</i> , 2012, 40, 927-934.	0.4	61
13	Skeletal Muscle Inflammation Following Repeated Bouts of Lengthening Contractions in Humans. <i>Frontiers in Physiology</i> , 2015, 6, 424.	1.3	49
14	Antioxidant and Vitamin D supplements for athletes: Sense or nonsense?. <i>Journal of Sports Sciences</i> , 2011, 29, S47-S55.	1.0	48
15	Partial Support Ventilation and Mitochondrial-Targeted Antioxidants Protect against Ventilator-Induced Decreases in Diaphragm Muscle Protein Synthesis. <i>PLoS ONE</i> , 2015, 10, e0137693.	1.1	40
16	Inhibition of Forkhead Box O $\alpha$ Specific Transcription Prevents Mechanical Ventilation Induced Diaphragm Dysfunction. <i>Critical Care Medicine</i> , 2015, 43, e133-e142.	0.4	32
17	Inhibition of the Ubiquitin Proteasome Pathway Does Not Protect against Ventilator-induced Accelerated Proteolysis or Atrophy in the Diaphragm. <i>Anesthesiology</i> , 2014, 121, 115-126.	1.3	30
18	Negative Pressure Ventilation and Positive Pressure Ventilation Promote Comparable Levels of Ventilator-induced Diaphragmatic Dysfunction in Rats. <i>Anesthesiology</i> , 2013, 119, 652-662.	1.3	24

#	ARTICLE	IF	CITATIONS
19	Effects of exercise preconditioning and HSP72 on diaphragm muscle function during mechanical ventilation. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019, 10, 767-781.	2.9	24
20	Adaptations to high-intensity intermittent exercise in rodents. <i>Journal of Applied Physiology</i> , 2009, 107, 749-754.	1.2	17
21	Delivery of Recombinant Adeno-Associated Virus Vectors to Rat Diaphragm Muscle via Direct Intramuscular Injection. <i>Human Gene Therapy Methods</i> , 2013, 24, 364-371.	2.1	13
22	BJSM reviews: A-Z of nutritional supplements: dietary supplements, sports nutrition foods and Ergogenic aids for health and performance Part 3. <i>British Journal of Sports Medicine</i> , 2009, 43, 890-892.	3.1	10
23	Cutaneous Vasodilation during Local Heating: Role of Local Cutaneous Thermosensation. <i>Frontiers in Physiology</i> , 2016, 7, 622.	1.3	9
24	Passive muscle heating attenuates the decline in vascular function caused by limb disuse. <i>Journal of Physiology</i> , 2021, 599, 4581-4596.	1.3	6
25	A Mitochondrial-targeted Antioxidant Protects against Mechanical Ventilation-induced Diaphragm Weakness. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 17-18.	0.2	2
26	The Effect of High Intensity Intermittent Exercise on Plasma Erythropoietin. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, S88.	0.2	1
27	Calpain And Caspase-3 Participate In Regulatory Crosstalk During Disuse Muscle Atrophy. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 18.	0.2	1
28	Persistent Hypohydration in College Football Players During Double Session Workouts. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, S176.	0.2	0
29	ARE ANTIOXIDANT SUPPLEMENTS REQUIRED FOR ACTIVE ADULTS?. <i>ACSM's Health and Fitness Journal</i> , 2010, 14, 11-14.	0.3	0
30	Oxidative stress enhances myofibrillar protein degradation via calpain and caspase-3. <i>FASEB Journal</i> , 2010, 24, 1046.14.	0.2	0
31	Oxidative stress is required for mechanical ventilation-induced protease activation in the diaphragm. <i>FASEB Journal</i> , 2010, 24, 1046.13.	0.2	0
32	NF- $\kappa$ B Contributes to Mechanical Ventilation-induced Diaphragm Weakness. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 19-20.	0.2	0
33	Pressure Support Ventilation Promotes Diaphragmatic Atrophy and Weakness. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 20.	0.2	0
34	Endurance exercise attenuates mechanical ventilation-induced diaphragm weakness. <i>FASEB Journal</i> , 2011, 25, 1059.20.	0.2	0
35	Caspase-3 is activated by intrinsic apoptotic pathways during mechanical ventilation. <i>FASEB Journal</i> , 2011, 25, .	0.2	0
36	Increased mitochondrial ROS production is required for ventilator-induced myonuclear apoptosis in the diaphragm. <i>FASEB Journal</i> , 2012, 26, 1075.11.	0.2	0

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37	Administration of recombinant adeno-associated virus vector to the diaphragm through direct intramuscular injection. FASEB Journal, 2012, 26, 1075.21.	0.2	0
38	Impact of prolonged mechanical ventilation on diaphragmatic protein synthesis. FASEB Journal, 2013, 27, 1b784.	0.2	0
39	FoxO transcription contributes to mechanical ventilation-induced diaphragm atrophy and contractile dysfunction. FASEB Journal, 2013, 27, 939.1.	0.2	0
40	Matrix metalloproteinase-2 is not active in the diaphragm during mechanical ventilation. FASEB Journal, 2013, 27, 1b779.	0.2	0