

# Lemuel A Brown

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

814  
citations

623734

14  
h-index

552781

26  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1147  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial degeneration precedes the development of muscle atrophy in progression of cancer cachexia in tumour-bearing mice. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2017, 8, 926-938.	7.3	186
2	Protein imbalance in the development of skeletal muscle wasting in tumour-bearing mice. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2018, 9, 987-1002.	7.3	81
3	Mitochondrial quality control, promoted by PGC-1 $\alpha$ , is dysregulated by Western diet-induced obesity and partially restored by moderate physical activity in mice. <i>Physiological Reports</i> , 2015, 3, e12470.	1.7	68
4	Cancer cachexia-induced muscle atrophy: evidence for alterations in microRNAs important for muscle size. <i>Physiological Genomics</i> , 2017, 49, 253-260.	2.3	55
5	microRNA-16 Is Downregulated During Insulin Resistance and Controls Skeletal Muscle Protein Accretion. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 1775-1787.	2.6	49
6	Dissecting Murine Muscle Stem Cell Aging through Regeneration Using Integrative Genomic Analysis. <i>Cell Reports</i> , 2020, 32, 107964.	6.4	49
7	Moderate physical activity promotes basal hepatic autophagy in diet-induced obese mice. <i>Applied Physiology, Nutrition and Metabolism</i> , 2017, 42, 148-156.	1.9	42
8	Transcriptomic analysis of the development of skeletal muscle atrophy in cancer-cachexia in tumor-bearing mice. <i>Physiological Genomics</i> , 2018, 50, 1071-1082.	2.3	32
9	Metabolipidomic profiling reveals an age-related deficiency of skeletal muscle pro-resolving mediators that contributes to maladaptive tissue remodeling. <i>Aging Cell</i> , 2021, 20, e13393.	6.7	29
10	Recovery from volumetric muscle loss injury: A comparison between young and aged rats. <i>Experimental Gerontology</i> , 2016, 83, 37-46.	2.8	28
11	Impaired exercise-induced mitochondrial biogenesis in the obese Zucker rat, despite PGC-1 $\alpha$ induction, is due to compromised mitochondrial translation elongation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E503-E511.	3.5	27
12	Murine muscle stem cell response to perturbations of the neuromuscular junction are attenuated with aging. <i>ELife</i> , 2021, 10, .	6.0	20
13	Differential effects of leucine supplementation in young and aged mice at the onset of skeletal muscle regeneration. <i>Mechanisms of Ageing and Development</i> , 2016, 157, 7-16.	4.6	19
14	Cancer-induced cardiac atrophy adversely affects myocardial redox state and mitochondrial oxidative characteristics. <i>JCSM Rapid Communications</i> , 2021, 4, 3-15.	1.6	17
15	Sestrins regulate muscle stem cell metabolic homeostasis. <i>Stem Cell Reports</i> , 2021, 16, 2078-2088.	4.8	17
16	Myeloid Cell Responses to Contraction-induced Injury Differ in Muscles of Young and Old Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 1581-1590.	3.6	16
17	Autophagy activation, not peroxisome proliferator-activated receptor $\beta$ coactivator 1 $\alpha$ , may mediate exercise-induced improvements in glucose handling during diet-induced obesity. <i>Experimental Physiology</i> , 2017, 102, 1194-1207.	2.0	15
18	Regulation of mitochondrial quality following repeated bouts of hindlimb unloading. <i>Applied Physiology, Nutrition and Metabolism</i> , 2020, 45, 264-274.	1.9	14

#	ARTICLE	IF	CITATIONS
19	The Akt/mTOR pathway: Data comparing young and aged mice with leucine supplementation at the onset of skeletal muscle regeneration. <i>Data in Brief</i> , 2016, 8, 1426-1432.	1.0	11
20	Cardiac hypertrophy in sarcopenic obese C57BL/6J mice is independent of Akt/mTOR cellular signaling. <i>Experimental Gerontology</i> , 2018, 111, 122-132.	2.8	11
21	Emerging molecular mediators and targets for age-related skeletal muscle atrophy. <i>Translational Research</i> , 2020, 221, 44-57.	5.0	11
22	Late life maintenance and enhancement of functional exercise capacity in low and high responding rats after low intensity treadmill training. <i>Experimental Gerontology</i> , 2019, 125, 110657.	2.8	5
23	Moderators of skeletal muscle maintenance are compromised in sarcopenic obese mice. <i>Mechanisms of Ageing and Development</i> , 2021, 194, 111404.	4.6	5
24	Mitochondrial mRNA translation initiation contributes to oxidative metabolism in the myocardia of aged, obese mice. <i>Experimental Gerontology</i> , 2019, 121, 62-70.	2.8	3
25	The effect of diet-induced obesity on extracellular matrix remodeling during skeletal muscle regeneration. <i>Sports Medicine and Health Science</i> , 2021, 3, 212-217.	2.0	3
26	Denervation and senescence markers data from old rats with intrinsic differences in responsiveness to aerobic training. <i>Data in Brief</i> , 2019, 27, 104570.	1.0	1