

# Ladora V Thompson

## List of Publications by Year in descending order

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73  
papers

2,370  
citations

236925

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h-index

223800

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g-index

74  
all docs

74  
docs citations

74  
times ranked

2833  
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiological Systems in Promoting Frailty. , 2022, 12, 3575-3620.		8
2	Frailty: Past, present, and future?. Sports Medicine and Health Science, 2021, 3, 1-10.	2.0	18
3	Phenotypic Frailty Assessment in Mice: Development, Discoveries, and Experimental Considerations. Physiology, 2020, 35, 405-414.	3.1	12
4	Short-Term ONX-0914 Administration: Performance and Muscle Phenotype in Mdx Mice. International Journal of Environmental Research and Public Health, 2020, 17, 5211.	2.6	1
5	Age-dependent effects of caloric restriction on mTOR and ubiquitin-proteasome pathways in skeletal muscles. GeroScience, 2019, 41, 871-880.	4.6	31
6	Lipotoxicity, aging, and muscle contractility: does fiber type matter?. GeroScience, 2019, 41, 297-308.	4.6	41
7	Novel individualized power training protocol preserves physical function in adult and older mice. GeroScience, 2019, 41, 165-183.	4.6	16
8	Increasing myosin light chain 3f (MLC3f) protects against a decline in contractile velocity. PLoS ONE, 2019, 14, e0214982.	2.5	1
9	Distinct Patterns of Fiber Type Adaptation in Rat Hindlimb Muscles 4 Weeks After Hemorrhagic Stroke. American Journal of Physical Medicine and Rehabilitation, 2019, 98, 266-274.	1.4	2
10	Skeletal muscle denervation investigations: selecting an experimental control wisely. American Journal of Physiology - Cell Physiology, 2019, 316, C456-C461.	4.6	8
11	Sex-specific components of frailty in C57BL/6 mice. Aging, 2019, 11, 5206-5214.	3.1	36
12	Downhill exercise alters immunoproteasome content in mouse skeletal muscle. Cell Stress and Chaperones, 2018, 23, 507-517.	2.9	10
13	Assessing onset, prevalence and survival in mice using a frailty phenotype. Aging, 2018, 10, 4042-4053.	3.1	32
14	Denervation-Induced Activation of the Ubiquitin-Proteasome System Reduces Skeletal Muscle Quantity Not Quality. PLoS ONE, 2016, 11, e0160839.	2.5	17
15	Denervation-Induced Activation of the Standard Proteasome and Immunoproteasome. PLoS ONE, 2016, 11, e0166831.	2.5	11
16	Age-induced oxidative stress: how does it influence skeletal muscle quantity and quality?. Journal of Applied Physiology, 2016, 121, 1047-1052.	2.5	122
17	Activation of the Ubiquitin-Proteasome System Reduces Function in Denervated Skeletal Muscle. Medicine and Science in Sports and Exercise, 2016, 48, 979.	0.4	0
18	C57BL/6 life span study: age-related declines in muscle power production and contractile velocity. Age, 2015, 37, 9773.	3.0	54

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19	Voluntary Aerobic Exercise Reverses Frailty in Old Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015, 70, 1045-1058.	3.6	52
20	Immunoproteasome in animal models of Duchenne muscular dystrophy. <i>Journal of Muscle Research and Cell Motility</i> , 2014, 35, 191-201.	2.0	19
21	Non-weight bearing-induced muscle weakness: the role of myosin quantity and quality in MHC type II fibers. <i>American Journal of Physiology - Cell Physiology</i> , 2014, 307, C190-C194.	4.6	8
22	Clinically Relevant Frailty Index for Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014, 69, 1485-1491.	3.6	127
23	Inactivity, age, and exercise: single-muscle fiber power generation. <i>Journal of Applied Physiology</i> , 2013, 114, 90-98.	2.5	11
24	Contribution of oxidative stress to pathology in diaphragm and limb muscles with Duchenne muscular dystrophy. <i>Journal of Muscle Research and Cell Motility</i> , 2013, 34, 1-13.	2.0	71
25	C57BL/6 Neuromuscular Healthspan Scoring System. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013, 68, 1326-1336.	3.6	73
26	Single Muscle Fiber Power Generation with Non-Weightbearing Conditions: Does Muscle of Origin Play a Role?. <i>FASEB Journal</i> , 2013, 27, lb711.	0.5	0
27	Skeletal Muscle Plasticity After Hemorrhagic Stroke in Rats. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2012, 91, 965-976.	1.4	13
28	Myosin light chain 3f attenuates age-induced decline in contractile velocity in MHC type II single muscle fibers. <i>Aging Cell</i> , 2012, 11, 203-212.	6.7	17
29	Differential effects of mild therapeutic exercise during a period of inactivity on power generation in soleus type I single fibers with age. <i>Journal of Applied Physiology</i> , 2012, 112, 1752-1761.	2.5	4
30	A continuum of myofibers in adult rabbit extraocular muscle: force, shortening velocity, and patterns of myosin heavy chain colocalization. <i>Journal of Applied Physiology</i> , 2011, 111, 1178-1189.	2.5	37
31	Semi-automated image analysis: detecting carbonylation in subcellular regions of skeletal muscle. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 213-222.	3.7	3
32	Seeking the Fountain of Youth. <i>Exercise and Sport Sciences Reviews</i> , 2011, 39, 112.	3.0	0
33	Targeted <sup>18</sup> O-labeling for improved proteomic analysis of carbonylated peptides by mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 1190-1203.	2.8	20
34	Asymmetric superoxide release inside and outside the mitochondria in skeletal muscle under conditions of aging and disuse. <i>Journal of Applied Physiology</i> , 2010, 109, 1133-1139.	2.5	13
35	Analysis of Superoxide Production in Single Skeletal Muscle Fibers. <i>Analytical Chemistry</i> , 2010, 82, 4570-4576.	6.5	18
36	Influence of Insulin and Muscle Fiber Type in N <sup>ε</sup> -(Carboxymethyl)-Lysine Accumulation in Soleus Muscle of Rats with Streptozotocin-Induced Diabetes Mellitus. <i>Pathobiology</i> , 2009, 76, 227-234.	3.8	20

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37	Age-related muscle dysfunction. <i>Experimental Gerontology</i> , 2009, 44, 106-111.	2.8	193
38	Skeletal Muscle Fatigue. <i>Exercise and Sport Sciences Reviews</i> , 2009, 37, 2.	3.0	1
39	Estimating relative carbonyl levels in muscle microstructures by fluorescence imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 2591-2598.	3.7	5
40	Carbonic anhydrase III and four-and-a-half LIM protein 1 are preferentially oxidized with muscle unloading. <i>Journal of Applied Physiology</i> , 2008, 105, 1554-1561.	2.5	14
41	Simultaneously Monitoring the Superoxide in the Mitochondrial Matrix and Extramitochondrial Space by Micellar Electrokinetic Chromatography with Laser-Induced Fluorescence. <i>Analytical Chemistry</i> , 2007, 79, 4588-4594.	6.5	29
42	Myofiber Length and Three-Dimensional Localization of NMJs in Normal and Botulinum Toxinâ€Treated Adult Extraocular Muscles. , 2007, 48, 3594.		33
43	The roles of myosin ATPase activity and myosin light chain relative content in the slowing of type IIB fibers with hindlimb unweighting in rats. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 293, C723-C728.	4.6	20
44	Identification of carbonylated proteins from enriched rat skeletal muscle mitochondria using affinity chromatography-stable isotope labeling and tandem mass spectrometry. <i>Proteomics</i> , 2007, 7, 1150-1163.	2.2	112
45	Age-related decline in actomyosin structure and function. <i>Experimental Gerontology</i> , 2007, 42, 931-938.	2.8	51
46	Effects of hindlimb unweighting and aging on rat semimembranosus muscle and myosin. <i>Journal of Applied Physiology</i> , 2006, 101, 873-880.	2.5	30
47	Myosin and actin expression and oxidation in aging muscle. <i>Journal of Applied Physiology</i> , 2006, 101, 1581-1587.	2.5	63
48	On-column labeling for capillary electrophoretic analysis of individual mitochondria directly sampled from tissue cross sections. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 384, 169-174.	3.7	18
49	Oxidative stress, mitochondria and mtDNA-mutator mice. <i>Experimental Gerontology</i> , 2006, 41, 1220-1222.	2.8	30
50	Advanced Glycation End Product in Diabetic Rat Skeletal Muscle in vivo. <i>Pathobiology</i> , 2006, 73, 244-251.	3.8	26
51	New approaches in aging research. <i>Reviews in Clinical Gerontology</i> , 2006, 16, 89-97.	0.5	0
52	Effect of Endurance Exercise on Myosin Heavy Chain Isoform Expression in Diabetic Rats with Peripheral Neuropathy. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2005, 84, 770-779.	1.4	16
53	Age-related differences in the adaptive potential of type I skeletal muscle fibers. <i>Experimental Gerontology</i> , 2005, 40, 227-235.	2.8	17
54	Effects of endurance exercise-training on single-fiber contractile properties of insulin-treated streptozotocin-induced diabetic rats. <i>Journal of Applied Physiology</i> , 2005, 99, 472-478.	2.5	21

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55	Myosin heavy chain isoform immunolabelling in diabetic rats with peripheral neuropathy. <i>Acta Histochemica</i> , 2005, 107, 221-229.	1.8	10
56	Muscle activity and aging affect myosin structural distribution and force generation in rat fibers. <i>Journal of Applied Physiology</i> , 2004, 96, 498-506.	2.5	36
57	The Effects of Non-Weight Bearing on Skeletal Muscle in Older Rats: an Interrupted Bout versus an Uninterrupted Bout. <i>Biological Research for Nursing</i> , 2004, 5, 195-202.	1.9	5
58	Myofibrillar myosin ATPase activity in hindlimb muscles from young and aged rats. <i>Mechanisms of Ageing and Development</i> , 2004, 125, 619-627.	4.6	30
59	Direct Sampling from Muscle Cross Sections for Electrophoretic Analysis of Individual Mitochondria. <i>Analytical Chemistry</i> , 2004, 76, 315-321.	6.5	28
60	Altered proteasome function and subunit composition in aged muscle. <i>Archives of Biochemistry and Biophysics</i> , 2004, 421, 67-76.	3.0	176
61	Poster 46. <i>Archives of Physical Medicine and Rehabilitation</i> , 2003, 84, E13-E14.	0.9	0
62	Morphological characteristics of skeletal muscles in relation to gender. <i>Ageing Clinical and Experimental Research</i> , 2003, 15, 264-269.	2.9	19
63	Skeletal Muscle Adaptations with Age, Inactivity, and Therapeutic Exercise. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2002, 32, 44-57.	3.5	91
64	Skeletal Muscle Adaptations and Rehabilitation. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2002, 32, 34-35.	3.5	0
65	Enzymatic alterations in single Type IIB skeletal muscle fibers with inactivity and exercise in 12- and 30-month-old rats. <i>Ageing Clinical and Experimental Research</i> , 2002, 14, 347-353.	2.9	6
66	Clenbuterol in the prevention of muscle atrophy: A study of hindlimb-unweighted rats. <i>Archives of Physical Medicine and Rehabilitation</i> , 2001, 82, 930-934.	0.9	30
67	Calcium sensitivity of force production and myofibrillar ATPase activity in muscles from Thoroughbreds with recurrent exertional rhabdomyolysis. <i>American Journal of Veterinary Research</i> , 2001, 62, 1647-1652.	0.6	17
68	Electron Paramagnetic Resonance: A High-Resolution Tool for Muscle Physiology. <i>Exercise and Sport Sciences Reviews</i> , 2001, 29, 3-6.	3.0	17
69	Effects of Inactivity on Glycolytic Capacity of Single Skeletal Muscle Fibers in Adult and Aged Rats. <i>Biological Research for Nursing</i> , 2001, 3, 88-95.	1.9	1
70	Age-related changes in contractile properties of single skeletal fibers from the soleus muscle. <i>Journal of Applied Physiology</i> , 1999, 86, 881-886.	2.5	115
71	The fiber-type-specific effect of inactivity and intermittent weight-bearing on the gastrocnemius muscle of 30-month-old rats. <i>Archives of Physical Medicine and Rehabilitation</i> , 1998, 79, 658-662.	0.9	26
72	Influence of simulated bed rest and intermittent weight bearing on single skeletal muscle fiber function in aged rats. <i>Archives of Physical Medicine and Rehabilitation</i> , 1997, 78, 19-25.	0.9	41

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73	Effects of Age and Training on Skeletal Muscle Physiology and Performance. <i>Physical Therapy</i> , 1994, 74, 71-81.	2.4	117