

JosÃ© Luis LÃ³pez Rivero

List of Publications by Year in descending order

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51
papers

1,656
citations

304743

22
h-index

315739

38
g-index

52
all docs

52
docs citations

52
times ranked

1141
citing authors

#	ARTICLE	IF	CITATIONS
1	Early and long-term changes of equine skeletal muscle in response to endurance training and detraining. Pflugers Archiv European Journal of Physiology, 2000, 441, 263-274.	2.8	103
2	Interrelationships of myofibrillar ATPase activity and metabolic properties of myosin heavy chain-based fibre types in rat skeletal muscle. Histochemistry and Cell Biology, 1999, 111, 277-287.	1.7	87
3	Fibre size and metabolic properties of myosin heavy chain-based fibre types in rat skeletal muscle. Journal of Muscle Research and Cell Motility, 1998, 19, 733-742.	2.0	83
4	Analysis of myosin heavy chains at the protein level in horse skeletal muscle. Journal of Muscle Research and Cell Motility, 1999, 20, 211-221.	2.0	75
5	Effects of intensity and duration of exercise on muscular responses to training of thoroughbred racehorses. Journal of Applied Physiology, 2007, 102, 1871-1882.	2.5	75
6	Myosin heavy chain isoforms in adult equine skeletal muscle: An immunohistochemical and electrophoretic study. The Anatomical Record, 1996, 246, 185-194.	1.8	72
7	Evidence for Three Fast Myosin Heavy Chain Isoforms in Type II Skeletal Muscle Fibers in the Adult Llama (<i>Lama glama</i>). Journal of Histochemistry and Cytochemistry, 2001, 49, 1033-1044.	2.5	67
8	Alterations in oxidative gene expression in equine skeletal muscle following exercise and training. Physiological Genomics, 2010, 40, 83-93.	2.3	64
9	Correlation between myofibrillar ATPase activity and myosin heavy chain composition in equine skeletal muscle and the influence of training. , 1996, 246, 195-207.		63
10	Effects of transcutaneous short-term electrical stimulation on M. vastus lateralis characteristics of healthy young men. Pflugers Archiv European Journal of Physiology, 2002, 443, 866-874.	2.8	58
11	New insights into skeletal muscle fibre types in the dog with particular focus towards hybrid myosin phenotypes. Cell and Tissue Research, 2006, 323, 283-303.	2.9	57
12	Effects of a 3 month endurance training programme on skeletal muscle histochemistry in Andalusian, Arabian and Anglo-Arabian horses. Equine Veterinary Journal, 1995, 27, 51-59.	1.7	52
13	Myosin isoforms and muscle fiber characteristics in equine gluteus medius muscle. , 1996, 244, 444-451.		51
14	Polysaccharide storage myopathy in the M. longissimus lumborum of showjumpers and dressage horses with back pain. Equine Veterinary Journal, 2010, 34, 171-176.	1.7	51
15	Skeletal muscle histochemistry in male and female Andalusian and Arabian horses of different ages. Research in Veterinary Science, 1993, 54, 160-169.	1.9	49
16	Co-ordinated expression of contractile and non-contractile features of control equine muscle fibre types characterised by immunostaining of myosin heavy chains. Histochemistry and Cell Biology, 2001, 116, 299-312.	1.7	44
17	Limb myosin heavy chain isoproteins and muscle fiber types in the adult goat (<i>Capra hircus</i>). The Anatomical Record, 2001, 264, 284-293.	1.8	44
18	Coordinated expression of myosin heavy chains, metabolic enzymes, and morphological features of porcine skeletal muscle fiber types. Microscopy Research and Technique, 2004, 65, 43-61.	2.2	44

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19	Determinants of $\dot{V}O_2$ kinetics at high power outputs during a ramp exercise protocol. <i>Medicine and Science in Sports and Exercise</i> , 2002, 34, 326-331.	0.4	41
20	A sensitive electrophoretic method for the quantification of myosin heavy chain isoforms in horse skeletal muscle: Histochemical and immunocytochemical verifications. <i>Electrophoresis</i> , 1997, 18, 1967-1972.	2.4	36
21	Distribution of fast myosin heavy chain-based muscle fibres in the gluteus medius of untrained horses: mismatch between antigenic and ATPase determinants. <i>Journal of Anatomy</i> , 1999, 194, 363-372.	1.5	33
22	Muscle energetics in exercising horses. <i>Equine and Comparative Exercise Physiology</i> , 2007, 4, 105-118.	0.4	27
23	Skeletal muscle adaptations and muscle genomics of performance horses. <i>Veterinary Journal</i> , 2016, 209, 5-13.	1.7	27
24	Unexplained underperformance syndrome in sport horses: Classification, potential causes and recognition. <i>Equine Veterinary Journal</i> , 2008, 40, 611-618.	1.7	24
25	Prevalence, risk factors and genetic parameters of cresty neck in Pura Raza EspaÃ±ol horses. <i>Equine Veterinary Journal</i> , 2017, 49, 196-200.	1.7	24
26	Myosin heavy chain profile of equine gluteus medius muscle following prolonged draught-exercise training and detraining. , 2000, 21, 235-245.		23
27	New insights into the skeletal muscle phenotype of equine motor neuron disease: a quantitative approach. <i>Acta Neuropathologica</i> , 2005, 109, 272-284.	7.7	22
28	Heritabilities and genetic and phenotypic parameters for gluteus medius muscle fibre type composition, fibre size and capillaries in purebred Spanish horses. <i>Livestock Science</i> , 2001, 72, 233-241.	1.2	21
29	A comprehensive characterisation of the fibre composition and properties of a limb (Flexor digitorum) Tj ETQq1 1 0,784314 rgBT /Ov	3.0	21
30	Activities of selected aerobic and anaerobic enzymes in the gluteus medius muscle of endurance horses with different performance records. <i>Veterinary Record</i> , 1995, 137, 187-192.	0.3	21
31	Obesity-induced discrepancy between contractile and metabolic phenotypes in slow- and fast-twitch skeletal muscles of female obese Zucker rats. <i>Journal of Applied Physiology</i> , 2017, 123, 249-259.	2.5	20
32	Muscle biopsy index for discriminating between endurance horses with different performance records. <i>Research in Veterinary Science</i> , 1996, 61, 49-54.	1.9	18
33	Atypical myopathy in two grazing horses in northern Spain. <i>Veterinary Record</i> , 2007, 161, 346-348.	0.3	17
34	Slow- and fast-twitch rat hind limb skeletal muscle phenotypes 8 months after spinal cord transection and olfactory ensheathing glia transplantation. <i>Journal of Physiology</i> , 2008, 586, 2593-2610.	2.9	16
35	Myosin heavy chain fibre types and fibre sizes in nuliparous and primiparous ovariectomized Iberian sows: Interaction with two alternative rearing systems during the fattening period. <i>Meat Science</i> , 2006, 74, 359-372.	5.5	15
36	Neuromuscular partitioning, architectural design, and myosin fiber types of the M. vastus lateralis of the llama (<i>Lama glama</i>). <i>Journal of Morphology</i> , 2004, 262, 667-681.	1.2	12

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37	High-phosphorus diet maximizes and low-dose calcitriol attenuates skeletal muscle changes in long-term uremic rats. <i>Journal of Applied Physiology</i> , 2016, 120, 1059-1069.	2.5	11
38	Mangiferin protects against adverse skeletal muscle changes and enhances muscle oxidative capacity in obese rats. <i>PLoS ONE</i> , 2017, 12, e0173028.	2.5	11
39	Enzyme-Histochemical Profiles of Fiber Types in Mature Canine Appendicular Muscles. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 1994, 23, 330-336.	0.7	10
40	Slow- and fast-twitch hindlimb skeletal muscle phenotypes 12 wk after nephrectomy in Wistar rats of both sexes. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, F638-F647.	2.7	9
41	Effect of different blood-guided conditioning programmes on skeletal muscle ultrastructure and histochemistry of sport horses. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2013, 97, 374-386.	2.2	8
42	Eosinophilic Enteritis in Horses with Motor Neuron Disease. <i>Journal of Veterinary Internal Medicine</i> , 2016, 30, 873-879.	1.6	8
43	Muscle physiology. , 2014, , 69-108.		7
44	Effects of repeated biopsying on muscle tissue in horses. <i>Equine Veterinary Journal</i> , 2010, 34, 619-624.	1.7	6
45	Skeletal Muscle Fiber Composition of Untrained Mangalarga Marchador Fillies. <i>Journal of Equine Veterinary Science</i> , 2016, 36, 101-104.	0.9	6
46	Myosin isoforms and muscle fiber characteristics in equine gluteus medius muscle. <i>The Anatomical Record</i> , 1996, 244, 444-451.	1.8	5
47	Adaptive functional specialisation of architectural design and fibre type characteristics in agonist shoulder flexor muscles of the llama, <i>Lama glama</i> . <i>Journal of Anatomy</i> , 2012, 221, 151-163.	1.5	4
48	Nutritional considerations for equine rhabdomyolysis syndrome. <i>Equine Veterinary Education</i> , 2017, 29, 459-465.	0.6	4
49	Locomotor muscle fiber heterogeneity and metabolism in the fastest large-bodied rorqual: the fin whale (<i>Balaenoptera physalus</i>). <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	3
50	Prevalence and clinical features of exertional rhabdomyolysis in Andalusian horses. <i>Veterinary Record</i> , 2015, 177, 48-48.	0.3	2
51	Increased 1,25(OH) ₂ -Vitamin D Concentrations after Energy Restriction Are Associated with Changes in Skeletal Muscle Phenotype. <i>Nutrients</i> , 2021, 13, 607.	4.1	2