

Antonios Matsakas

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

1,278
citations

20
h-index

35
g-index

66
ext. papers

1,457
ext. citations

4.3
avg, IF

4.28
L-index

#	Paper	IF	Citations
52	Effect of supplementation with conjugated linoleic acid on human serum lipids and body fat. <i>Journal of Nutritional Biochemistry</i> , 2001 , 12, 585-594	6.3	186
51	Muscle hypertrophy driven by myostatin blockade does not require stem/precursor-cell activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 7479-84	11.5	142
50	Skeletal muscle fibre plasticity in response to selected environmental and physiological stimuli. <i>Histology and Histopathology</i> , 2009 , 24, 611-29	1.4	83
49	Exercise training attenuates the hypermuscular phenotype and restores skeletal muscle function in the myostatin null mouse. <i>Experimental Physiology</i> , 2012 , 97, 125-40	2.4	63
48	Short-term endurance training results in a muscle-specific decrease of myostatin mRNA content in the rat. <i>Acta Physiologica Scandinavica</i> , 2005 , 183, 299-307		58
47	Molecular, cellular and physiological investigation of myostatin propeptide-mediated muscle growth in adult mice. <i>Neuromuscular Disorders</i> , 2009 , 19, 489-99	2.9	57
46	Effect of swimming on myostatin expression in white and red gastrocnemius muscle and in cardiac muscle of rats. <i>Experimental Physiology</i> , 2006 , 91, 983-94	2.4	47
45	Muscle ERR α mitigates Duchenne muscular dystrophy via metabolic and angiogenic reprogramming. <i>FASEB Journal</i> , 2013 , 27, 4004-16	0.9	46
44	The growth factor myostatin, a key regulator in skeletal muscle growth and homeostasis. <i>International Journal of Sports Medicine</i> , 2005 , 26, 83-9	3.6	40
43	Enhanced exercise and regenerative capacity in a mouse model that violates size constraints of oxidative muscle fibres. <i>ELife</i> , 2016 , 5,	8.9	39
42	Revascularization of ischemic skeletal muscle by estrogen-related receptor- α <i>Circulation Research</i> , 2012 , 110, 1087-96	15.7	35
41	Effect of exercise training on the fatty acid composition of lipid classes in rat liver, skeletal muscle, and adipose tissue. <i>European Journal of Applied Physiology</i> , 2005 , 94, 84-92	3.4	34
40	Endurance exercise mimetics in skeletal muscle. <i>Current Sports Medicine Reports</i> , 2010 , 9, 227-32	1.9	33
39	Intracellular signalling pathways regulating the adaptation of skeletal muscle to exercise and nutritional changes. <i>Histology and Histopathology</i> , 2009 , 24, 209-22	1.4	31
38	Platelet biology in regenerative medicine of skeletal muscle. <i>Acta Physiologica</i> , 2018 , 223, e13071	5.6	30
37	Myostatin knockout mice increase oxidative muscle phenotype as an adaptive response to exercise. <i>Journal of Muscle Research and Cell Motility</i> , 2010 , 31, 111-25	3.5	29
36	Altered primary and secondary myogenesis in the myostatin-null mouse. <i>Rejuvenation Research</i> , 2010 , 13, 717-27	2.6	27

35	Morphology and myofiber composition of skeletal musculature of the forelimb in young and aged wild type and myostatin null mice. <i>Rejuvenation Research</i> , 2009 , 12, 269-81	2.6	24
34	Attenuation of autophagy impacts on muscle fibre development, starvation induced stress and fibre regeneration following acute injury. <i>Scientific Reports</i> , 2018 , 8, 9062	4.9	21
33	Effect of chronic wheel running on the fatty acid composition of phospholipids and triacylglycerols in rat serum, skeletal muscle and heart. <i>Acta Physiologica Scandinavica</i> , 2004 , 181, 199-208		20
32	Effect of voluntary exercise on the expression of IGF-I and androgen receptor in three rat skeletal muscles and on serum IGF-I and testosterone levels. <i>International Journal of Sports Medicine</i> , 2004 , 25, 502-8	3.6	18
31	Mechanisms underpinning the permanent muscle damage induced by snake venom metalloprotease. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007041	4.8	16
30	Propeptide-mediated inhibition of myostatin increases muscle mass through inhibiting proteolytic pathways in aged mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014 , 69, 1049-59	6.4	16
29	Investigating mechanisms underpinning the detrimental impact of a high-fat diet in the developing and adult hypermuscular myostatin null mouse. <i>Skeletal Muscle</i> , 2015 , 5, 38	5.1	14
28	Crossroads between peripheral atherosclerosis, western-type diet and skeletal muscle pathophysiology: emphasis on apolipoprotein E deficiency and peripheral arterial disease. <i>Journal of Biomedical Science</i> , 2017 , 24, 42	13.3	13
27	Compression of morbidity in a progeroid mouse model through the attenuation of myostatin/activin signalling. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019 , 10, 662-686	10.3	12
26	PGC1 β activates an antiangiogenic program to repress neoangiogenesis in muscle ischemia. <i>Cell Reports</i> , 2014 , 8, 783-97	10.6	12
25	Food restriction reverses the hyper-muscular phenotype and force generation capacity deficit of the myostatin null mouse. <i>International Journal of Sports Medicine</i> , 2013 , 34, 223-31	3.6	12
24	A hypoplastic model of skeletal muscle development displaying reduced foetal myoblast cell numbers, increased oxidative myofibres and improved specific tension capacity. <i>Developmental Biology</i> , 2010 , 343, 51-62	3.1	12
23	Axon and muscle spindle hyperplasia in the myostatin null mouse. <i>Journal of Anatomy</i> , 2011 , 218, 173-84	4.9	11
22	Platelet releasate promotes skeletal myogenesis by increasing muscle stem cell commitment to differentiation and accelerates muscle regeneration following acute injury. <i>Acta Physiologica</i> , 2019 , 225, e13207	5.6	10
21	Attenuation of oxidative stress-induced lesions in skeletal muscle in a mouse model of obesity-independent hyperlipidaemia and atherosclerosis through the inhibition of Nox2 activity. <i>Free Radical Biology and Medicine</i> , 2018 , 129, 504-519	7.8	10
20	Symmorphosis through dietary regulation: a combinatorial role for proteolysis, autophagy and protein synthesis in normalising muscle metabolism and function of hypertrophic mice after acute starvation. <i>PLoS ONE</i> , 2015 , 10, e0120524	3.7	8
19	The inhibitory subunit of cardiac troponin (cTnI) is modified by arginine methylation in the human heart. <i>International Journal of Cardiology</i> , 2019 , 282, 76-80	3.2	7
18	Pro-cachectic factors link experimental and human chronic kidney disease to skeletal muscle wasting programs. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	7

17	Optimising platelet secretomes to deliver robust tissue-specific regeneration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020 , 14, 82-98	4.4	7
16	Regulation of the dystrophin-associated glycoprotein complex composition by the metabolic properties of muscle fibres. <i>Scientific Reports</i> , 2019 , 9, 2770	4.9	6
15	The effect of caloric restriction on the forelimb skeletal muscle fibers of the hypertrophic myostatin null mice. <i>Acta Histochemica</i> , 2017 , 119, 582-591	2	5
14	Current Insights into the Potential Misuse of Platelet-based Applications for Doping in Sports. <i>International Journal of Sports Medicine</i> , 2019 , 40, 427-433	3.6	5
13	Inhibition of Activin/Myostatin signalling induces skeletal muscle hypertrophy but impairs mouse testicular development. <i>European Journal of Translational Myology</i> , 2020 , 30, 8737	2.1	5
12	Loss of CD36 protects against diet-induced obesity but results in impaired muscle stem cell function, delayed muscle regeneration and hepatic steatosis. <i>Acta Physiologica</i> , 2020 , 228, e13395	5.6	5
11	Quantitative Redox Biology of Exercise. <i>International Journal of Sports Medicine</i> , 2020 , 41, 633-645	3.6	4
10	Myostatin tilts the balance between skeletal muscle size, function and metabolism. <i>Experimental Physiology</i> , 2014 , 99, 469-70	2.4	3
9	Molecular advances shed light on cardiac myosin heavy chain expression in health and disease. <i>Experimental Physiology</i> , 2009 , 94, 1161-2	2.4	3
8	Diminution in sperm quantity and quality in mouse models of Duchenne Muscular Dystrophy induced by a myostatin-based muscle growth-promoting intervention. <i>European Journal of Translational Myology</i> , 2020 , 30, 8904	2.1	3
7	The effect of high-fat diet on the morphological properties of the forelimb musculature in hypertrophic myostatin null mice. <i>Journal of Anatomy</i> , 2019 , 235, 825-835	2.9	2
6	Duchenne muscular dystrophy: genome editing gives new hope for treatment. <i>Postgraduate Medical Journal</i> , 2018 , 94, 296-304	2	2
5	Diminution in sperm quantity and quality in mouse models of Duchenne Muscular Dystrophy induced by a myostatin-based muscle growth-promoting intervention. <i>European Journal of Translational Myology</i> , 2020 ,	2.1	1
4	A muscle growth-promoting treatment based on the attenuation of activin/myostatin signalling results in long-term testicular abnormalities. <i>DMM Disease Models and Mechanisms</i> , 2021 , 14,	4.1	1
3	Evaluating Trastuzumab in the treatment of HER2 positive breast cancer. <i>Histology and Histopathology</i> , 2020 , 35, 1059-1075	1.4	1
2	Platelet releasate normalises the compromised muscle regeneration in a mouse model of hyperlipidaemia. <i>Experimental Physiology</i> , 2021 , 106, 700-713	2.4	0
1	226 The impact of nadph oxidase 2 inhibition on skeletal muscle pathophysiology of atherosclerotic mice. <i>Heart</i> , 2017 , 103, A146.1-A146	5.1	