Antonios Matsakas

List of Publications by Year in Descending Order

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	Pro-cachectic factors link experimental and human chronic kidney disease to skeletal muscle wasting programs. *Journal of Clinical Investigation*, **2021**, 131,	15.9	7
51	Platelet releasate normalises the compromised muscle regeneration in a mouse model of hyperlipidaemia. *Experimental Physiology*, **2021**, 106, 700-713	2.4	0
50	A muscle growth-promoting treatment based on the attenuation of activin/myostatin signalling results in long-term testicular abnormalities. *DMM Disease Models and Mechanisms*, **2021**, 14,	4.1	1
49	Inhibition of Activin/Myostatin signalling induces skeletal muscle hypertrophy but impairs mouse testicular development. *European Journal of Translational Myology*, **2020**, 30, 8737	2.1	5
48	Diminution in sperm quantity and quality in mouse models of Duchenne Muscular Dystrophy induced by a myostatin-based muscle growth-promoting intervention. *European Journal of Translational Myology*, **2020**, 30, 8904	2.1	3
47	Quantitative Redox Biology of Exercise. *International Journal of Sports Medicine*, **2020**, 41, 633-645	3.6	4
46	Diminution in sperm quantity and quality in mouse models of Duchenne Muscular Dystrophy induced by a myostatin-based muscle growth-promoting intervention. *European Journal of Translational Myology*, **2020**,	2.1	1
45	Loss of CD36 protects against diet-induced obesity but results in impaired muscle stem cell function, delayed muscle regeneration and hepatic steatosis. *Acta Physiologica*, **2020**, 228, e13395	5.6	5
44	Optimising platelet secretomes to deliver robust tissue-specific regeneration. *Journal of Tissue Engineering and Regenerative Medicine*, **2020**, 14, 82-98	4.4	7
43	Evaluating Trastuzumab in the treatment of HER2 positive breast cancer. *Histology and Histopathology*, **2020**, 35, 1059-1075	1.4	1
42	Mechanisms underpinning the permanent muscle damage induced by snake venom metalloprotease. *PLoS Neglected Tropical Diseases*, **2019**, 13, e0007041	4.8	16
41	The inhibitory subunit of cardiac troponin (cTnI) is modified by arginine methylation in the human heart. *International Journal of Cardiology*, **2019**, 282, 76-80	3.2	7
40	The effect of high-fat diet on the morphological properties of the forelimb musculature in hypertrophic myostatin null mice. *Journal of Anatomy*, **2019**, 235, 825-835	2.9	2
39	Current Insights into the Potential Misuse of Platelet-based Applications for Doping in Sports. *International Journal of Sports Medicine*, **2019**, 40, 427-433	3.6	5
38	Regulation of the dystrophin-associated glycoprotein complex composition by the metabolic properties of muscle fibres. *Scientific Reports*, **2019**, 9, 2770	4.9	6
37	Compression of morbidity in a progeroid mouse model through the attenuation of myostatin/activin signalling. *Journal of Cachexia, Sarcopenia and Muscle*, **2019**, 10, 662-686	10.3	12
36	Platelet releasate promotes skeletal myogenesis by increasing muscle stem cell commitment to differentiation and accelerates muscle regeneration following acute injury. *Acta Physiologica*, **2019**, 225, e13207	5.6	10

35	Platelet biology in regenerative medicine of skeletal muscle. *Acta Physiologica*, **2018**, 223, e13071	5.6	30
34	Duchenne muscular dystrophy: genome editing gives new hope for treatment. *Postgraduate Medical Journal*, **2018**, 94, 296-304	2	2
33	Attenuation of autophagy impacts on muscle fibre development, starvation induced stress and fibre regeneration following acute injury. *Scientific Reports*, **2018**, 8, 9062	4.9	21
32	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. *Free Radical Biology and Medicine*, **2018**, 129, 504-519	7.8	10
31	The effect of caloric restriction on the forelimb skeletal muscle fibers of the hypertrophic myostatin null mice. *Acta Histochemica*, **2017**, 119, 582-591	2	5
30	Crossroads between peripheral atherosclerosis, western-type diet and skeletal muscle pathophysiology: emphasis on apolipoprotein E deficiency and peripheral arterial disease. *Journal of Biomedical Science*, **2017**, 24, 42	13.3	13
29	226 The impact of nadph oxidase 2 inhibition on skeletal muscle pathophysiology of atherosclerotic mice. *Heart*, **2017**, 103, A146.1-A146	5.1	
28	Enhanced exercise and regenerative capacity in a mouse model that violates size constraints of oxidative muscle fibres. *ELife*, **2016**, 5,	8.9	39
27	Investigating mechanisms underpinning the detrimental impact of a high-fat diet in the developing and adult hypermuscular myostatin null mouse. *Skeletal Muscle*, **2015**, 5, 38	5.1	14
26	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. *PLoS ONE*, **2015**, 10, e0120524	3.7	8
25	Myostatin tilts the balance between skeletal muscle size, function and metabolism. *Experimental Physiology*, **2014**, 99, 469-70	2.4	3
24	Propeptide-mediated inhibition of myostatin increases muscle mass through inhibiting proteolytic pathways in aged mice. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2014**, 69, 1049-59	6.4	16
23	PGC1 activates an antiangiogenic program to repress neoangiogenesis in muscle ischemia. *Cell Reports*, **2014**, 8, 783-97	10.6	12
22	Food restriction reverses the hyper-muscular phenotype and force generation capacity deficit of the myostatin null mouse. *International Journal of Sports Medicine*, **2013**, 34, 223-31	3.6	12
21	Muscle ERR mitigates Duchenne muscular dystrophy via metabolic and angiogenic reprogramming. *FASEB Journal*, **2013**, 27, 4004-16	0.9	46
20	Exercise training attenuates the hypermuscular phenotype and restores skeletal muscle function in the myostatin null mouse. *Experimental Physiology*, **2012**, 97, 125-40	2.4	63
19	Revascularization of ischemic skeletal muscle by estrogen-related receptor- *Circulation Research*, **2012**, 110, 1087-96	15.7	35
18	Axon and muscle spindle hyperplasia in the myostatin null mouse. *Journal of Anatomy*, **2011**, 218, 173-84	2.9	11

17	Altered primary and secondary myogenesis in the myostatin-null mouse. *Rejuvenation Research*, **2010**, 13, 717-27	2.6	27
16	A hypoplastic model of skeletal muscle development displaying reduced foetal myoblast cell numbers, increased oxidative myofibres and improved specific tension capacity. *Developmental Biology*, **2010**, 343, 51-62	3.1	12
15	Endurance exercise mimetics in skeletal muscle. *Current Sports Medicine Reports*, **2010**, 9, 227-32	1.9	33
14	Myostatin knockout mice increase oxidative muscle phenotype as an adaptive response to exercise. *Journal of Muscle Research and Cell Motility*, **2010**, 31, 111-25	3.5	29
13	Morphology and myofiber composition of skeletal musculature of the forelimb in young and aged wild type and myostatin null mice. *Rejuvenation Research*, **2009**, 12, 269-81	2.6	24
12	Muscle hypertrophy driven by myostatin blockade does not require stem/precursor-cell activity. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 7479-84	11.5	142
11	Molecular advances shed light on cardiac myosin heavy chain expression in health and disease. *Experimental Physiology*, **2009**, 94, 1161-2	2.4	3
10	Molecular, cellular and physiological investigation of myostatin propeptide-mediated muscle growth in adult mice. *Neuromuscular Disorders*, **2009**, 19, 489-99	2.9	57
9	Intracellular signalling pathways regulating the adaptation of skeletal muscle to exercise and nutritional changes. *Histology and Histopathology*, **2009**, 24, 209-22	1.4	31
8	Skeletal muscle fibre plasticity in response to selected environmental and physiological stimuli. *Histology and Histopathology*, **2009**, 24, 611-29	1.4	83
7	Effect of swimming on myostatin expression in white and red gastrocnemius muscle and in cardiac muscle of rats. *Experimental Physiology*, **2006**, 91, 983-94	2.4	47
6	Short-term endurance training results in a muscle-specific decrease of myostatin mRNA content in the rat. *Acta Physiologica Scandinavica*, **2005**, 183, 299-307		58
5	Effect of exercise training on the fatty acid composition of lipid classes in rat liver, skeletal muscle, and adipose tissue. *European Journal of Applied Physiology*, **2005**, 94, 84-92	3.4	34
4	The growth factor myostatin, a key regulator in skeletal muscle growth and homeostasis. *International Journal of Sports Medicine*, **2005**, 26, 83-9	3.6	40
3	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. *International Journal of Sports Medicine*, **2004**, 25, 502-8	3.6	18
2	Effect of chronic wheel running on the fatty acid composition of phospholipids and triacylglycerols in rat serum, skeletal muscle and heart. *Acta Physiologica Scandinavica*, **2004**, 181, 199-208		20
1	Effect of supplementation with conjugated linoleic acid on human serum lipids and body fat. *Journal of Nutritional Biochemistry*, **2001**, 12, 585-594	6.3	186