

Craig McFarlane

List of Publications by Year in Descending Order

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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.

42
papers

2,331
citations

26
h-index

45
g-index

45
ext. papers

2,722
ext. citations

6.8
avg, IF

4.44
L-index

#	Paper	IF	Citations
42	Targeting the PI3K/Akt/mTOR Pathway in Hepatocellular Carcinoma. <i>Biomedicines</i> , 2021 , 9,	4.8	6
41	Cell adhesion an important determinant of myogenesis and satellite cell activity. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021 , 1869, 119170	4.9	
40	Altered H19/miR-675 expression in skeletal muscle is associated with low muscle mass in community-dwelling older adults. <i>JCSM Rapid Communications</i> , 2021 , 4, 207-221	2.6	
39	Paraneoplastic Secretion of Multiple Phosphatonins From a Deep Fibrous Histiocytoma Causing Oncogenic Osteomalacia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021 , 106, e2299-e2308	5.6	2
38	G protein-coupled receptor kinase 2 regulates mitochondrial bioenergetics and impairs myostatin-mediated autophagy in muscle cells. <i>American Journal of Physiology - Cell Physiology</i> , 2019 , 317, C674-C686	5.4	11
37	Mitochondrial oxidative capacity and NAD biosynthesis are reduced in human sarcopenia across ethnicities. <i>Nature Communications</i> , 2019 , 10, 5808	17.4	72
36	Loss of Parkin impairs mitochondrial function and leads to muscle atrophy. <i>American Journal of Physiology - Cell Physiology</i> , 2018 , 315, C164-C185	5.4	30
35	Irisin is a pro-myogenic factor that induces skeletal muscle hypertrophy and rescues denervation-induced atrophy. <i>Nature Communications</i> , 2017 , 8, 1104	17.4	107
34	Narciclasine attenuates diet-induced obesity by promoting oxidative metabolism in skeletal muscle. <i>PLoS Biology</i> , 2017 , 15, e1002597	9.7	23
33	Irisin treatment improves healing of dystrophic skeletal muscle. <i>Oncotarget</i> , 2017 , 8, 98553-98566	3.3	13
32	The transcription factor SOX6 contributes to the developmental origins of obesity by promoting adipogenesis. <i>Development (Cambridge)</i> , 2016 , 143, 950-61	6.6	33
31	Isolation and Culture of Human Adipose-derived Stem Cells from Subcutaneous and Visceral White Adipose Tissue Compartments. <i>Bio-protocol</i> , 2016 , 6,	0.9	4
30	Inactivation of PPAR γ adversely affects satellite cells and reduces postnatal myogenesis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015 , 309, E122-31	6	13
29	Myostatin: expanding horizons. <i>IUBMB Life</i> , 2015 , 67, 589-600	4.7	50
28	Lack of myostatin reduces MyoD induced myogenic potential of primary muscle fibroblasts. <i>Journal of Cellular Biochemistry</i> , 2014 , 115, 1908-17	4.7	4
27	Body fat partitioning does not explain the interethnic variation in insulin sensitivity among Asian ethnicity: the Singapore adults metabolism study. <i>Diabetes</i> , 2014 , 63, 1093-102	0.9	30
26	Myostatin augments muscle-specific ring finger protein-1 expression through an NF- κ B independent mechanism in SMAD3 null muscle. <i>Molecular Endocrinology</i> , 2014 , 28, 317-30		32

25	Myostatin induces insulin resistance via Casitas B-lineage lymphoma b (Cblb)-mediated degradation of insulin receptor substrate 1 (IRS1) protein in response to high calorie diet intake. <i>Journal of Biological Chemistry</i> , 2014 , 289, 7654-70	5.4	39
24	Myostatin induces DNA damage in skeletal muscle of streptozotocin-induced type 1 diabetic mice. <i>Journal of Biological Chemistry</i> , 2014 , 289, 5784-98	5.4	12
23	Mega roles of microRNAs in regulation of skeletal muscle health and disease. <i>Frontiers in Physiology</i> , 2014 , 5, 239	4.6	60
22	Negative auto-regulation of myostatin expression is mediated by Smad3 and microRNA-27. <i>PLoS ONE</i> , 2014 , 9, e87687	3.7	52
21	Pid1 induces insulin resistance in both human and mouse skeletal muscle during obesity. <i>Molecular Endocrinology</i> , 2013 , 27, 1518-35		21
20	Muscle-specific microRNA1 (miR1) targets heat shock protein 70 (HSP70) during dexamethasone-mediated atrophy. <i>Journal of Biological Chemistry</i> , 2013 , 288, 6663-78	5.4	89
19	Inhibition of myostatin protects against diet-induced obesity by enhancing fatty acid oxidation and promoting a brown adipose phenotype in mice. <i>Diabetologia</i> , 2012 , 55, 183-93	10.3	133
18	Myostatin-null mice exhibit delayed skin wound healing through the blockade of transforming growth factor- β signaling by decorin. <i>American Journal of Physiology - Cell Physiology</i> , 2012 , 302, C1213-25	5.4	19
17	The ubiquitin ligase Mul1 induces mitophagy in skeletal muscle in response to muscle-wasting stimuli. <i>Cell Metabolism</i> , 2012 , 16, 613-24	24.6	137
16	Identification of atrogin-1-targeted proteins during the myostatin-induced skeletal muscle wasting. <i>American Journal of Physiology - Cell Physiology</i> , 2012 , 303, C512-29	5.4	76
15	Lack of Smad3 signaling leads to impaired skeletal muscle regeneration. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012 , 303, E90-102	6	31
14	Peroxisome proliferator-activated receptor γ induces myogenesis by modulating myostatin activity. <i>Journal of Biological Chemistry</i> , 2012 , 287, 12935-51	5.4	23
13	Myostatin is a novel tumoral factor that induces cancer cachexia. <i>Biochemical Journal</i> , 2012 , 446, 23-36	3.8	73
12	Modulation of reactive oxygen species in skeletal muscle by myostatin is mediated through NF- κ B. <i>Aging Cell</i> , 2011 , 10, 931-48	9.9	127
11	Myostatin induces degradation of sarcomeric proteins through a Smad3 signaling mechanism during skeletal muscle wasting. <i>Molecular Endocrinology</i> , 2011 , 25, 1936-49		102
10	Myostatin-deficient mice exhibit reduced insulin resistance through activating the AMP-activated protein kinase signalling pathway. <i>Diabetologia</i> , 2011 , 54, 1491-501	10.3	112
9	Smad3 signaling is required for satellite cell function and myogenic differentiation of myoblasts. <i>Cell Research</i> , 2011 , 21, 1591-604	24.7	70
8	Human myostatin negatively regulates human myoblast growth and differentiation. <i>American Journal of Physiology - Cell Physiology</i> , 2011 , 301, C195-203	5.4	75

- 7 Myostatin promotes the wasting of human myoblast cultures through promoting ubiquitin-proteasome pathway-mediated loss of sarcomeric proteins. *American Journal of Physiology - Cell Physiology*, **2011**, 301, C1316-24 5.4 81
- 6 Role of Myostatin in Skeletal Muscle Growth and Development: Implications for Sarcopenia **2011**, 419-447
- 5 Myostatin signals through Pax7 to regulate satellite cell self-renewal. *Experimental Cell Research*, **2008**, 314, 317-29 4.2 111
- 4 Myostatin is a procachectic growth factor during postnatal myogenesis. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2008**, 11, 422-7 3.8 17
- 3 Myostatin induces cachexia by activating the ubiquitin proteolytic system through an NF-kappaB-independent, FoxO1-dependent mechanism. *Journal of Cellular Physiology*, **2006**, 209, 501-14 3.6 336
- 2 Proteolytic processing of myostatin is auto-regulated during myogenesis. *Developmental Biology*, **2005**, 283, 58-69 3.1 44
- 1 Myostatin inhibits rhabdomyosarcoma cell proliferation through an Rb-independent pathway. *Oncogene*, **2004**, 23, 524-34 9.2 56