Craig McFarlane

List of Publications by Citations

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	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	7	336
41	The ubiquitin ligase Mul1 induces mitophagy in skeletal muscle in response to muscle-wasting stimuli. *Cell Metabolism*, **2012**, 16, 613-24	24.6	137
40	Inhibition of myostatin protects against diet-induced obesity by enhancing fatty acid oxidation and promoting a brown adipose phenotype in mice. *Diabetologia*, **2012**, 55, 183-93	10.3	133
39	Modulation of reactive oxygen species in skeletal muscle by myostatin is mediated through NF-B. *Aging Cell*, **2011**, 10, 931-48	9.9	127
38	Myostatin-deficient mice exhibit reduced insulin resistance through activating the AMP-activated protein kinase signalling pathway. *Diabetologia*, **2011**, 54, 1491-501	10.3	112
37	Myostatin signals through Pax7 to regulate satellite cell self-renewal. *Experimental Cell Research*, **2008**, 314, 317-29	4.2	111
36	Irisin is a pro-myogenic factor that induces skeletal muscle hypertrophy and rescues denervation-induced atrophy. *Nature Communications*, **2017**, 8, 1104	17.4	107
35	Myostatin induces degradation of sarcomeric proteins through a Smad3 signaling mechanism during skeletal muscle wasting. *Molecular Endocrinology*, **2011**, 25, 1936-49		102
34	Muscle-specific microRNA1 (miR1) targets heat shock protein 70 (HSP70) during dexamethasone-mediated atrophy. *Journal of Biological Chemistry*, **2013**, 288, 6663-78	5.4	89
33	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
32	Identification of atrogin-1-targeted proteins during the myostatin-induced skeletal muscle wasting. *American Journal of Physiology - Cell Physiology*, **2012**, 303, C512-29	5.4	76
31	Human myostatin negatively regulates human myoblast growth and differentiation. *American Journal of Physiology - Cell Physiology*, **2011**, 301, C195-203	5.4	75
30	Myostatin is a novel tumoral factor that induces cancer cachexia. *Biochemical Journal*, **2012**, 446, 23-36	3.8	73
29	Mitochondrial oxidative capacity and NAD biosynthesis are reduced in human sarcopenia across ethnicities. *Nature Communications*, **2019**, 10, 5808	17.4	72
28	Smad3 signaling is required for satellite cell function and myogenic differentiation of myoblasts. *Cell Research*, **2011**, 21, 1591-604	24.7	70
27	Mega roles of microRNAs in regulation of skeletal muscle health and disease. *Frontiers in Physiology* , **2014**, 5, 239	4.6	60
26	Myostatin inhibits rhabdomyosarcoma cell proliferation through an Rb-independent pathway. *Oncogene*, **2004**, 23, 524-34	9.2	56

25	Negative auto-regulation of myostatin expression is mediated by Smad3 and microRNA-27. *PLoS ONE*, **2014**, 9, e87687	3.7	52
24	Myostatin: expanding horizons. *IUBMB Life*, **2015**, 67, 589-600	4.7	50
23	Proteolytic processing of myostatin is auto-regulated during myogenesis. *Developmental Biology*, **2005**, 283, 58-69	3.1	44
22	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. *Journal of Biological Chemistry*, **2014**, 289, 7654-70	5.4	39
21	The transcription factor SOX6 contributes to the developmental origins of obesity by promoting adipogenesis. *Development (Cambridge)*, **2016**, 143, 950-61	6.6	33
20	Myostatin augments muscle-specific ring finger protein-1 expression through an NF-kB independent mechanism in SMAD3 null muscle. *Molecular Endocrinology*, **2014**, 28, 317-30		32
19	Lack of Smad3 signaling leads to impaired skeletal muscle regeneration. *American Journal of Physiology - Endocrinology and Metabolism*, **2012**, 303, E90-102	6	31
18	Loss of Parkin impairs mitochondrial function and leads to muscle atrophy. *American Journal of Physiology - Cell Physiology*, **2018**, 315, C164-C185	5.4	30
17	Body fat partitioning does not explain the interethnic variation in insulin sensitivity among Asian ethnicity: the Singapore adults metabolism study. *Diabetes*, **2014**, 63, 1093-102	0.9	30
16	Peroxisome proliferator-activated receptor □ induces myogenesis by modulating myostatin activity. *Journal of Biological Chemistry*, **2012**, 287, 12935-51	5.4	23
15	Narciclasine attenuates diet-induced obesity by promoting oxidative metabolism in skeletal muscle. *PLoS Biology*, **2017**, 15, e1002597	9.7	23
14	Pid1 induces insulin resistance in both human and mouse skeletal muscle during obesity. *Molecular Endocrinology*, **2013**, 27, 1518-35		21
13	Myostatin-null mice exhibit delayed skin wound healing through the blockade of transforming growth factor-□ signaling by decorin. *American Journal of Physiology - Cell Physiology*, **2012**, 302, C1213-25	5.4	19
12	Myostatin is a procachectic growth factor during postnatal myogenesis. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2008**, 11, 422-7	3.8	17
11	Inactivation of PPAR□ adversely affects satellite cells and reduces postnatal myogenesis. *American Journal of Physiology - Endocrinology and Metabolism*, **2015**, 309, E122-31	6	13
10	Irisin treatment improves healing of dystrophic skeletal muscle. *Oncotarget*, **2017**, 8, 98553-98566	3.3	13
9	Myostatin induces DNA damage in skeletal muscle of streptozotocin-induced type 1 diabetic mice. *Journal of Biological Chemistry*, **2014**, 289, 5784-98	5.4	12
8	G protein-coupled receptor kinase 2 regulates mitochondrial bioenergetics and impairs myostatin-mediated autophagy in muscle cells. *American Journal of Physiology - Cell Physiology*, **2019**, 317, C674-C686	5.4	11

7	Targeting the PI3K/Akt/mTOR Pathway in Hepatocellular Carcinoma. *Biomedicines*, **2021**, 9,	4.8	6
6	Lack of myostatin reduces MyoD induced myogenic potential of primary muscle fibroblasts. *Journal of Cellular Biochemistry*, **2014**, 115, 1908-17	4.7	4
5	Isolation and Culture of Human Adipose-derived Stem Cells from Subcutaneous and Visceral White Adipose Tissue Compartments. *Bio-protocol*, **2016**, 6,	0.9	4
4	Paraneoplastic Secretion of Multiple Phosphatonins From a Deep Fibrous Histiocytoma Causing Oncogenic Osteomalacia. *Journal of Clinical Endocrinology and Metabolism*, **2021**, 106, e2299-e2308	5.6	2
3	Cell adhesion an important determinant of myogenesis and satellite cell activity. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2021**, 1869, 119170	4.9	
2	Role of Myostatin in Skeletal Muscle Growth and Development: Implications for Sarcopenia **2011**, 419-447		
1	Altered H19/miR-675 expression in skeletal muscle is associated with low muscle mass in community-dwelling older adults. *JCSM Rapid Communications*, **2021**, 4, 207-221	2.6	