

Craig McFarlane

List of Publications by Year in descending order

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42
papers

3,083
citations

186209

28
h-index

265120

42
g-index

45
all docs

45
docs citations

45
times ranked

4408
citing authors

#	ARTICLE	IF	CITATIONS
1	Myostatin induces cachexia by activating the ubiquitin proteolytic system through an NF- κ B-independent, FoxO1-dependent mechanism. <i>Journal of Cellular Physiology</i> , 2006, 209, 501-514.	2.0	384
2	Irisin is a pro-myogenic factor that induces skeletal muscle hypertrophy and rescues denervation-induced atrophy. <i>Nature Communications</i> , 2017, 8, 1104.	5.8	195
3	Mitochondrial oxidative capacity and NAD ⁺ biosynthesis are reduced in human sarcopenia across ethnicities. <i>Nature Communications</i> , 2019, 10, 5808.	5.8	159
4	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, 183-193.	2.9	154
5	Modulation of reactive oxygen species in skeletal muscle by myostatin is mediated through NF- κ B. <i>Aging Cell</i> , 2011, 10, 931-948.	3.0	149
6	Myostatin-deficient mice exhibit reduced insulin resistance through activating the AMP-activated protein kinase signalling pathway. <i>Diabetologia</i> , 2011, 54, 1491-1501.	2.9	141
7	Myostatin signals through Pax7 to regulate satellite cell self-renewal. <i>Experimental Cell Research</i> , 2008, 314, 317-329.	1.2	127
8	Muscle-specific MicroRNA1 (miR1) Targets Heat Shock Protein 70 (HSP70) during Dexamethasone-mediated Atrophy*. <i>Journal of Biological Chemistry</i> , 2013, 288, 6663-6678.	1.6	105
9	Myostatin: Expanding horizons. <i>IUBMB Life</i> , 2015, 67, 589-600.	1.5	98
10	Human myostatin negatively regulates human myoblast growth and differentiation. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 301, C195-C203.	2.1	96
11	Myostatin promotes the wasting of human myoblast cultures through promoting ubiquitin-proteasome pathway-mediated loss of sarcomeric proteins. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 301, C1316-C1324.	2.1	94
12	Identification of atrogin-1-targeted proteins during the myostatin-induced skeletal muscle wasting. <i>American Journal of Physiology - Cell Physiology</i> , 2012, 303, C512-C529.	2.1	90
13	Smad3 signaling is required for satellite cell function and myogenic differentiation of myoblasts. <i>Cell Research</i> , 2011, 21, 1591-1604.	5.7	85
14	Myostatin is a novel tumoral factor that induces cancer cachexia. <i>Biochemical Journal</i> , 2012, 446, 23-36.	1.7	85
15	Targeting the PI3K/Akt/mTOR Pathway in Hepatocellular Carcinoma. <i>Biomedicines</i> , 2021, 9, 1639.	1.4	84
16	Mega roles of microRNAs in regulation of skeletal muscle health and disease. <i>Frontiers in Physiology</i> , 2014, 5, 239.	1.3	68
17	Negative Auto-Regulation of Myostatin Expression is Mediated by Smad3 and MicroRNA-27. <i>PLoS ONE</i> , 2014, 9, e87687.	1.1	68
18	Myostatin inhibits rhabdomyosarcoma cell proliferation through an Rb-independent pathway. <i>Oncogene</i> , 2004, 23, 524-534.	2.6	59

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19	Proteolytic processing of myostatin is auto-regulated during myogenesis. <i>Developmental Biology</i> , 2005, 283, 58-69.	0.9	50
20	Loss of <i>Parkin</i> impairs mitochondrial function and leads to muscle atrophy. <i>American Journal of Physiology - Cell Physiology</i> , 2018, 315, C164-C185.	2.1	47
21	Lack of Smad3 signaling leads to impaired skeletal muscle regeneration. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 303, E90-E102.	1.8	42
22	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, 1093-1102.	0.3	41
23	The transcription factor SOX6 contributes to the developmental origins of obesity by promoting adipogenesis. <i>Development (Cambridge)</i> , 2016, 143, 950-61.	1.2	41
24	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, 7654-7670.	1.6	40
25	Narciclasine attenuates diet-induced obesity by promoting oxidative metabolism in skeletal muscle. <i>PLoS Biology</i> , 2017, 15, e1002597.	2.6	37
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, 317-330.	3.7	36
27	Peroxisome Proliferator-activated Receptor δ Induces Myogenesis by Modulating Myostatin Activity. <i>Journal of Biological Chemistry</i> , 2012, 287, 12935-12956.	1.6	28
28	Immune checkpoint inhibitors in HCC: Cellular, molecular and systemic data. <i>Seminars in Cancer Biology</i> , 2022, 86, 799-815.	4.3	28
29	Are Interactions between Epicardial Adipose Tissue, Cardiac Fibroblasts and Cardiac Myocytes Instrumental in Atrial Fibrosis and Atrial Fibrillation?. <i>Cells</i> , 2021, 10, 2501.	1.8	26
30	Irisin treatment improves healing of dystrophic skeletal muscle. <i>Oncotarget</i> , 2017, 8, 98553-98566.	0.8	26
31	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-C1225.	2.1	23
32	Myostatin is a procachectic growth factor during postnatal myogenesis. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2008, 11, 422-427.	1.3	22
33	Inactivation of PPAR δ adversely affects satellite cells and reduces postnatal myogenesis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 309, E122-E131.	1.8	16
34	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.	2.1	16
35	Myostatin Induces DNA Damage in Skeletal Muscle of Streptozotocin-induced Type 1 Diabetic Mice. <i>Journal of Biological Chemistry</i> , 2014, 289, 5784-5799.	1.6	15
36	Cell adhesion an important determinant of myogenesis and satellite cell activity. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2022, 1869, 119170.	1.9	8

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37	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.	1.8	5
38	Isolation and Culture of Human Adipose-derived Stem Cells from Subcutaneous and Visceral White Adipose Tissue Compartments. <i>Bio-protocol</i> , 2016, 6, .	0.2	5
39	Lack of Myostatin Reduces MyoD Induced Myogenic Potential of Primary Muscle Fibroblasts. <i>Journal of Cellular Biochemistry</i> , 2014, 115, n/a-n/a.	1.2	4
40	Plasticity of muscle derived stem cells to undergo pluripotent conversion without pluripotency factors or small molecules. <i>Cytotherapy</i> , 2014, 16, S71.	0.3	0
41	Altered H19/miRâ€675 expression in skeletal muscle is associated with low muscle mass in communityâ€dwelling older adults. <i>JCSM Rapid Communications</i> , 2021, 4, 207-221.	0.6	0
42	Role of Myostatin in Skeletal Muscle Growth and Development: Implications for Sarcopenia. , 2011, , 419-447.		0