Alexandra C Mcpherron

List of Publications by Year
in descending order

24 papers	7,983 citations	331259 21 h-index	610482 24 g-index
24 all docs	24 docs citations	24 times ranked	6407 citing authors

#	Article	IF	Citations
1	Regulation of skeletal muscle mass in mice by a new TGF-p superfamily member. Nature, 1997, 387, 83-90.	13.7	3,596
2	Induction of Cachexia in Mice by Systemically Administered Myostatin. Science, 2002, 296, 1486-1488.	6.0	829
3	Suppression of body fat accumulation in myostatin-deficient mice. Journal of Clinical Investigation, 2002, 109, 595-601.	3.9	444
4	Regulation of anterior/posterior patterning of the axial skeleton by growth/differentiation factor 11. Nature Genetics, 1999, 22, 260-264.	9.4	421
5	Activation of latent myostatin by the BMP-1/tolloid family of metalloproteinases. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 15842-15846.	3.3	404
6	Loss of myostatin attenuates severity of muscular dystrophy inmdx mice. Annals of Neurology, 2002, 52, 832-836.	2.8	351
7	Myostatin Inhibition in Muscle, but Not Adipose Tissue, Decreases Fat Mass and Improves Insulin Sensitivity. PLoS ONE, 2009, 4, e4937.	1.1	309
8	Suppression of body fat accumulation in myostatin-deficient mice. Journal of Clinical Investigation, 2002, 109, 595-601.	3.9	297
9	Myostatin and the control of skeletal muscle mass. Current Opinion in Genetics and Development, 1999, 9, 604-607.	1.5	244
10	Expression and Function of Myostatin in Obesity, Diabetes, and Exercise Adaptation. Medicine and Science in Sports and Exercise, 2011, 43, 1828-1835.	0.2	155
11	The structure of myostatin:follistatin 288: insights into receptor utilization and heparin binding. EMBO Journal, 2009, 28, 2662-2676.	3.5	148
12	Redundancy of myostatin and growth/differentiation factor 11 function. BMC Developmental Biology, 2009, 9, 24.	2.1	147
13	Myostatin promotes the terminal differentiation of embryonic muscle progenitors. Genes and Development, 2008, 22, 668-681.	2.7	132
14	Metabolic Functions of Myostatin and GDF11. Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry, 2010, 10, 217-231.	0.5	107
15	Myostatin inhibition induces muscle fibre hypertrophy prior to satellite cell activation. Journal of Physiology, 2012, 590, 2151-2165.	1.3	102
16	Mechanisms involved in the enhancement of mammalian target of rapamycin signalling and hypertrophy in skeletal muscle of myostatinâ€deficient mice. FEBS Letters, 2010, 584, 2403-2408.	1.3	67
17	Myostatin Inhibition Prevents Diabetes and Hyperphagia in a Mouse Model of Lipodystrophy. Diabetes, 2012, 61, 2414-2423.	0.3	67
18	Growth differentiation factor 11 signaling controls retinoic acid activity for axial vertebral development. Developmental Biology, 2010, 347, 195-203.	0.9	33

#	Article	IF	Citations
19	Endurance exercise training in myostatin null mice. Muscle and Nerve, 2010, 42, 355-362.	1.0	31
20	Inactivation of EWS reduces PGC-1Î± protein stability and mitochondrial homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6074-6079.	3.3	31
21	Increasing muscle mass to improve metabolism. Adipocyte, 2013, 2, 92-98.	1.3	30
22	A Soluble Activin Receptor Type IIB Does Not Improve Blood Glucose in Streptozotocin-Treated Mice. International Journal of Biological Sciences, 2015, 11, 199-208.	2.6	21
23	Modeling Energy Dynamics in Mice with Skeletal Muscle Hypertrophy Fed High Calorie Diets. International Journal of Biological Sciences, 2016, 12, 617-630.	2.6	9
24	Through Thick and Thin. Circulation Research, 2013, 113, 487-491.	2.0	8