

# Alexandra C Mcpherron

## List of Publications by Citations

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24  
papers

6,771  
citations

20  
h-index

24  
g-index

24  
ext. papers

7,431  
ext. citations

11.6  
avg, IF

5.65  
L-index

#	Paper	IF	Citations
24	Regulation of skeletal muscle mass in mice by a new TGF-beta superfamily member. <i>Nature</i> , <b>1997</b> , 387, 83-90	50.4	3038
23	Induction of cachexia in mice by systemically administered myostatin. <i>Science</i> , <b>2002</b> , 296, 1486-8	33.3	742
22	Suppression of body fat accumulation in myostatin-deficient mice. <i>Journal of Clinical Investigation</i> , <b>2002</b> , 109, 595-601	15.9	399
21	Regulation of anterior/posterior patterning of the axial skeleton by growth/differentiation factor 11. <i>Nature Genetics</i> , <b>1999</b> , 22, 260-4	36.3	361
20	Activation of latent myostatin by the BMP-1/tolloid family of metalloproteinases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 15842-6	11.5	354
19	Loss of myostatin attenuates severity of muscular dystrophy in mdx mice. <i>Annals of Neurology</i> , <b>2002</b> , 52, 832-6	9.4	322
18	Myostatin inhibition in muscle, but not adipose tissue, decreases fat mass and improves insulin sensitivity. <i>PLoS ONE</i> , <b>2009</b> , 4, e4937	3.7	259
17	Suppression of body fat accumulation in myostatin-deficient mice. <i>Journal of Clinical Investigation</i> , <b>2002</b> , 109, 595-601	15.9	221
16	Myostatin and the control of skeletal muscle mass. <i>Current Opinion in Genetics and Development</i> , <b>1999</b> , 9, 604-7	4.9	209
15	Redundancy of myostatin and growth/differentiation factor 11 function. <i>BMC Developmental Biology</i> , <b>2009</b> , 9, 24	3.1	124
14	The structure of myostatin:follistatin 288: insights into receptor utilization and heparin binding. <i>EMBO Journal</i> , <b>2009</b> , 28, 2662-76	13	117
13	Myostatin promotes the terminal differentiation of embryonic muscle progenitors. <i>Genes and Development</i> , <b>2008</b> , 22, 668-81	12.6	115
12	Expression and function of myostatin in obesity, diabetes, and exercise adaptation. <i>Medicine and Science in Sports and Exercise</i> , <b>2011</b> , 43, 1828-35	1.2	112
11	METABOLIC FUNCTIONS OF MYOSTATIN AND GDF11. <i>Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry</i> , <b>2010</b> , 10, 217-231		88
10	Myostatin inhibition induces muscle fibre hypertrophy prior to satellite cell activation. <i>Journal of Physiology</i> , <b>2012</b> , 590, 2151-65	3.9	76
9	Mechanisms involved in the enhancement of mammalian target of rapamycin signalling and hypertrophy in skeletal muscle of myostatin-deficient mice. <i>FEBS Letters</i> , <b>2010</b> , 584, 2403-8	3.8	58
8	Myostatin inhibition prevents diabetes and hyperphagia in a mouse model of lipodystrophy. <i>Diabetes</i> , <b>2012</b> , 61, 2414-23	0.9	51

7	Endurance exercise training in myostatin null mice. <i>Muscle and Nerve</i> , <b>2010</b> , 42, 355-62	3.4	29
6	Growth differentiation factor 11 signaling controls retinoic acid activity for axial vertebral development. <i>Developmental Biology</i> , <b>2010</b> , 347, 195-203	3.1	24
5	Increasing muscle mass to improve metabolism. <i>Adipocyte</i> , <b>2013</b> , 2, 92-8	3.2	23
4	Inactivation of EWS reduces PGC-1 $\beta$ protein stability and mitochondrial homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 6074-9	11.5	20
3	A soluble activin receptor type IIB does not improve blood glucose in streptozotocin-treated mice. <i>International Journal of Biological Sciences</i> , <b>2015</b> , 11, 199-208	11.2	18
2	Through thick and thin: a circulating growth factor inhibits age-related cardiac hypertrophy. <i>Circulation Research</i> , <b>2013</b> , 113, 487-91	15.7	7
1	Modeling Energy Dynamics in Mice with Skeletal Muscle Hypertrophy Fed High Calorie Diets. <i>International Journal of Biological Sciences</i> , <b>2016</b> , 12, 617-30	11.2	4