Dahai Zhu

List of Publications by Year
in descending order

35 papers	1,357 citations	331670 21 h-index	377865 34 g-index
36 all docs	36 docs citations	36 times ranked	2202 citing authors

#	Article	IF	Citations
1	Myostatin Induces Cyclin D1 Degradation to Cause Cell Cycle Arrest through a Phosphatidylinositol 3-Kinase/AKT/GSK-3Î² Pathway and Is Antagonized by Insulin-like Growth Factor 1. Journal of Biological Chemistry, 2007, 282, 3799-3808.	3.4	186
2	Long non-coding RNA Linc-RAM enhances myogenic differentiation by interacting with MyoD. Nature Communications, 2017, 8, 14016.	12.8	147
3	Extracellular Signalâ€“Regulated Kinase 1/2 Mitogen-Activated Protein Kinase Pathway Is Involved in Myostatin-Regulated Differentiation Repression. Cancer Research, 2006, 66, 1320-1326.	0.9	120
4	Myostatin regulates glucose metabolism via the AMP-activated protein kinase pathway in skeletal muscle cells. International Journal of Biochemistry and Cell Biology, 2010, 42, 2072-2081.	2.8	80
5	RNF13: a novel RING-type ubiquitin ligase over-expressed in pancreatic cancer. Cell Research, 2009, 19, 348-357.	12.0	57
6	MicroRNA-431 accelerates muscle regeneration and ameliorates muscular dystrophy by targeting Pax7 in mice. Nature Communications, 2015, 6, 7713.	12.8	56
7	A novel brown adipocyte-enriched long non-coding RNA that is required for brown adipocyte differentiation and sufficient to drive thermogenic gene program in white adipocytes. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2018, 1863, 409-419.	2.4	56
8	Acetoacetate Accelerates Muscle Regeneration and Ameliorates Muscular Dystrophy in Mice. Journal of Biological Chemistry, 2016, 291, 2181-2195.	3.4	55
9	MyoD is a 3D genome structure organizer for muscle cell identity. Nature Communications, 2022, 13, 205.	12.8	50
10	miR-127 enhances myogenic cell differentiation by targeting S1PR3. Cell Death and Disease, 2017, 8, e2707-e2707.	6.3	45
11	FBXO40, a gene encoding a novel muscle-specific F-box protein, is upregulated in denervation-related muscle atrophy. Gene, 2007, 404, 53-60.	2.2	42
12	Myostatin induces p300 degradation to silence cyclin D1 expression through the PI3K/PTEN/Akt pathway. Cellular Signalling, 2008, 20, 1452-1458.	3.6	41
13	miR-378 Activates the Pyruvate-PEP Futile Cycle and Enhances Lipolysis to Ameliorate Obesity in Mice. EBioMedicine, 2016, 5, 93-104.	6.1	41
14	hSGT interacts with the N-terminal region of myostatin. Biochemical and Biophysical Research Communications, 2003, 311, 877-883.	2.1	38
15	Muscleâ€secreted granulocyte colonyâ€stimulating factor functions as metabolic niche factor ameliorating loss of muscle stem cells in aged mice. EMBO Journal, 2019, 38, e102154.	7.8	35
16	Identification of gene expression modifications in myostatin-stimulated myoblasts. Biochemical and Biophysical Research Communications, 2005, 326, 660-666.	2.1	34
17	RNF13: an emerging RING finger ubiquitin ligase important in cell proliferation. FEBS Journal, 2011, 278, 78-84.	4.7	34
18	Expression of a calcineurin gene improves salt stress tolerance in transgenic rice. Plant Molecular Biology, 2005, 58, 483-495.	3.9	26

#	Article	IF	Citations
19	Systematic identification and characterization of chicken (Gallus gallus) ncRNAs. Nucleic Acids Research, 2009, 37, 6562-6574.	14.5	25
20	miR-378 attenuates muscle regeneration by delaying satellite cell activation and differentiation in mice. Acta Biochimica Et Biophysica Sinica, 2016, 48, 833-839.	2.0	25
21	E3 ubiquitin ligase RNF13 involves spatial learning and assembly of the SNARE complex. Cellular and Molecular Life Sciences, 2013, 70, 153-165.	5.4	22
22	The myostatinâ€induced E3 ubiquitin ligase RNF13 negatively regulates the proliferation of chicken myoblasts. FEBS Journal, 2010, 277, 466-476.	4.7	21
23	Accelerated regeneration of the skeletal muscle in RNF13-knockout mice is mediated by macrophage-secreted IL-4/IL-6. Protein and Cell, 2014, 5, 235-247.	11.0	19
24	Linc-RAM is required for FGF2 function in regulating myogenic cell differentiation. RNA Biology, 2018, 15, 404-412.	3.1	18
25	MiR-378a suppresses tenogenic differentiation and tendon repair by targeting at TGF-Î²2. Stem Cell Research and Therapy, 2019, 10, 108.	5.5	18
26	miR-30e is negatively regulated by myostatin in skeletal muscle and is functionally related to fiber-type composition. Acta Biochimica Et Biophysica Sinica, 2017, 49, 392-399.	2.0	16
27	Myostatin regulates miR-431 expression via the Ras-Mek-Erk signaling pathway. Biochemical and Biophysical Research Communications, 2015, 461, 224-229.	2.1	15
28	Acetoacetate promotes muscle cell proliferation via the miR-133b/SRF axis through the Mek-Erk-MEF2 pathway. Acta Biochimica Et Biophysica Sinica, 2021, 53, 1009-1016.	2.0	8
29	miR-431 is involved in regulating cochlear function by targeting Eya4. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 2119-2126.	3.8	7
30	miR-378 and its host gene Ppargc1Î² exhibit independent expression in mouse skeletal muscle. Acta Biochimica Et Biophysica Sinica, 2020, 52, 883-890.	2.0	7
31	Enhanced metastasis in RNF13 knockout mice is mediated by a reduction in GM-CSF levels. Protein and Cell, 2015, 6, 746-756.	11.0	6
32	Myostatin promotes the epithelialâ€toâ€mesenchymal transition of the dermomyotome during somitogenesis. Developmental Dynamics, 2018, 247, 1241-1252.	1.8	4
33	Linc-RAM promotes muscle cell differentiation via regulating glycogen phosphorylase activity. Cell Regeneration, 2022, 11, 8.	2.6	2
34	miR-378-mediated glycolytic metabolism enriches the Pax7Hi subpopulation of satellite cells. Cell Regeneration, 2022, 11, 11.	2.6	1
35	Effect of mouse calcineurin on induction and growth of rice callus transformed by the calcineurin gene. Plant Cell, Tissue and Organ Culture, 2006, 86, 1-6.	2.3	0