Gong-She Yang

List of Publications by Year
in descending order

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		126858	182361
103	3,330	33	51
papers	citations	h-index	g-index

111	111	111	5006
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deficiency of liver adipose triglyceride lipase in mice causes progressive hepatic steatosis. Hepatology, 2011, 54, 122-132.	3.6	198
2	Modulation of Sirt1 by resveratrol and nicotinamide alters proliferation and differentiation of pig preadipocytes. Molecular and Cellular Biochemistry, 2007, 307, 129-140.	1.4	142
3	MicroRNA identity and abundance in developing swine adipose tissue as determined by solexa sequencing. Journal of Cellular Biochemistry, 2011, 112, 1318-1328.	1.2	128
4	Sirt1 AS lncRNA interacts with its mRNA to inhibit muscle formation by attenuating function of miR-34a. Scientific Reports, 2016, 6, 21865.	1.6	109
5	Roles of Wnt/Î²-catenin signaling in adipogenic differentiation potential of adipose-derived mesenchymal stem cells. Molecular and Cellular Endocrinology, 2008, 291, 116-124.	1.6	107
6	Fasting Energy Homeostasis in Mice with Adipose Deficiency of Desnutrin/Adipose Triglyceride Lipase. Endocrinology, 2012, 153, 2198-2207.	1.4	79
7	Knockdown of PU.1 AS lncRNA inhibits adipogenesis through enhancing PU.1 mRNA translation. Journal of Cellular Biochemistry, 2013, 114, 2500-2512.	1.2	78
8	MiRNA-199a-3p Regulates C2C12 Myoblast Differentiation through IGF-1/AKT/mTOR Signal Pathway. International Journal of Molecular Sciences, 2014, 15, 296-308.	1.8	77
9	Lkb1 controls brown adipose tissue growth and thermogenesis by regulating the intracellular localization of CRTC3. Nature Communications, 2016, 7, 12205.	5.8	73
10	MicroRNA-199a-5p Affects Porcine Preadipocyte Proliferation and Differentiation. International Journal of Molecular Sciences, 2014, 15, 8526-8538.	1.8	67
11	Conserved function of the long noncoding RNA Blnc1 in brown adipocyte differentiation. Molecular Metabolism, 2017, 6, 101-110.	3.0	65
12	Mitochondrial development and the influence of its dysfunction during rat adipocyte differentiation. Molecular Biology Reports, 2010, 37, 2173-2182.	1.0	63
13	Interleukin-6 stimulates lipolysis in porcine adipocytes. Endocrine, 2008, 33, 261-269.	1.1	59
14	Identification of BMP and Activin Membrane-Bound Inhibitor (BAMBI) as a Potent Negative Regulator of Adipogenesis and Modulator of Autocrine/Paracrine Adipogenic Factors. Diabetes, 2012, 61, 124-136.	0.3	59
15	Comparative Analysis of Long Noncoding RNAs Expressed during Intramuscular Adipocytes Adipogenesis in Fat-Type and Lean-Type Pigs. Journal of Agricultural and Food Chemistry, 2018, 66, 12122-12130.	2.4	57
16	Osteogenic and adipogenic potential of porcine adipose mesenchymal stem cells. In Vitro Cellular and Developmental Biology - Animal, 2007, 43, 95-100.	0.7	56
17	The Transcription Factor Paired-Related Homeobox 1 (Prrx1) Inhibits Adipogenesis by Activating Transforming Growth Factor-Î² (TGFÎ²) Signaling. Journal of Biological Chemistry, 2013, 288, 3036-3047.	1.6	56
18	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.	1.2	56

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19	Identification, stability and expression of Sirt1 antisense long non-coding RNA. Gene, 2014, 539, 117-124.	1.0	55
20	CTRP6 Regulates Porcine Adipocyte Proliferation and Differentiation by the AdipoR1/MAPK Signaling Pathway. Journal of Agricultural and Food Chemistry, 2017, 65, 5512-5522.	2.4	55
21	MicroRNAâ€139â€5p Suppresses 3T3â€L1 Preadipocyte Differentiation Through Notch and IRS1/PI3K/Akt Insulin Signaling Pathways. Journal of Cellular Biochemistry, 2015, 116, 1195-1204.	1.2	48
22	miR-425-5p Inhibits Differentiation and Proliferation in Porcine Intramuscular Preadipocytes. International Journal of Molecular Sciences, 2017, 18, 2101.	1.8	48
23	MicroRNA-432 targeting E2F3 and P55PIK inhibits myogenesis through PI3K/AKT/mTOR signaling pathway. RNA Biology, 2017, 14, 347-360.	1.5	46
24	FoxO1 regulates muscle fiber-type specification and inhibits calcineurin signaling during C2C12 myoblast differentiation. Molecular and Cellular Biochemistry, 2011, 348, 77-87.	1.4	45
25	Mulberry 1-Deoxynojirimycin Inhibits Adipogenesis by Repression of the ERK/PPARÎ³ Signaling Pathway in Porcine Intramuscular Adipocytes. Journal of Agricultural and Food Chemistry, 2015, 63, 6212-6220.	2.4	45
26	miR-429 Inhibits Differentiation and Promotes Proliferation in Porcine Preadipocytes. International Journal of Molecular Sciences, 2016, 17, 2047.	1.8	44
27	A Novel lnc-RNA, Named lnc-ORA, Is Identified by RNA-Seq Analysis, and Its Knockdown Inhibits Adipogenesis by Regulating the PI3K/AKT/mTOR Signaling Pathway. Cells, 2019, 8, 477.	1.8	44
28	Expression pattern of embryonic stem cell markers in DFAT cells and ADSCs. Molecular Biology Reports, 2012, 39, 5791-5804.	1.0	42
29	miR-125a inhibits porcine preadipocytes differentiation by targeting ERRÎ±. Molecular and Cellular Biochemistry, 2014, 395, 155-165.	1.4	36
30	Knockdown of CTRP6 inhibits adipogenesis via lipogenic marker genes and Erk1/2 signalling pathway. Cell Biology International, 2015, 39, 554-562.	1.4	36
31	Effect of Fermented Corn-Soybean Meal on Serum Immunity, the Expression of Genes Related to Gut Immunity, Gut Microbiota, and Bacterial Metabolites in Grower-Finisher Pigs. Frontiers in Microbiology, 2019, 10, 2620.	1.5	36
32	Regulation of ATGL expression mediated by leptin in vitro in porcine adipocyte lipolysis. Molecular and Cellular Biochemistry, 2010, 333, 121-128.	1.4	34
33	Sirt1 Inhibits Akt2-Mediated Porcine Adipogenesis Potentially by Direct Protein-Protein Interaction. PLoS ONE, 2013, 8, e71576.	1.1	34
34	MiR-15a/b promote adipogenesis in porcine pre-adipocyte via repressing FoxO1. Acta Biochimica Et Biophysica Sinica, 2014, 46, 565-571.	0.9	33
35	MicroRNA-106a-5p Inhibited C2C12 Myogenesis via Targeting PIK3R1 and Modulating the PI3K/AKT Signaling. Genes, 2018, 9, 333.	1.0	32
36	Leptin Promotes White Adipocyte Browning by Inhibiting the Hh Signaling Pathway. Cells, 2019, 8, 372.	1.8	32

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37	Effects of 1,25-dihydroxyvitamin D3 on proliferation and differentiation of porcine preadipocyte in vitro. Chemico-Biological Interactions, 2007, 170, 114-123.	1.7	31
38	MiRâ€127 attenuates adipogenesis by targeting MAPK4 and HOXC6 in porcine adipocytes. Journal of Cellular Physiology, 2019, 234, 21838-21850.	2.0	30
39	MicroRNA-214-3p Targeting Ctnnb1 Promotes 3T3-L1 Preadipocyte Differentiation by Interfering with the Wnt/Î²-Catenin Signaling Pathway. International Journal of Molecular Sciences, 2019, 20, 1816.	1.8	30
40	Mouse Maternal High-Fat Intake Dynamically Programmed mRNA m6A Modifications in Adipose and Skeletal Muscle Tissues in Offspring. International Journal of Molecular Sciences, 2016, 17, 1336.	1.8	29
41	Fibroblast growth factor-1 (FGF-1) promotes adipogenesis by downregulation of carboxypeptidase A4 (CPA4) â€“ a negative regulator of adipogenesis implicated in the modulation of local and systemic insulin sensitivity. Growth Factors, 2016, 34, 210-216.	0.5	29
42	BMP and activin membrane-bound inhibitor (BAMBI) inhibits the adipogenesis of porcine preadipocytes through Wnt/Î²-catenin signaling pathway. Biochemistry and Cell Biology, 2014, 92, 172-182.	0.9	28
43	BAMBI Promotes C2C12 Myogenic Differentiation by Enhancing Wnt/Î²-Catenin Signaling. International Journal of Molecular Sciences, 2015, 16, 17734-17745.	1.8	27
44	MAT2B promotes adipogenesis by modulating SAMe levels and activating AKT/ERK pathway during porcine intramuscular preadipocyte differentiation. Experimental Cell Research, 2016, 344, 11-21.	1.2	27
45	Over-expression of miR-125a-5p inhibits proliferation in C2C12 myoblasts by targeting E2F3. Acta Biochimica Et Biophysica Sinica, 2015, 47, 244-249.	0.9	26
46	Lipogenesis in myoblasts and its regulation ofCTRP6by AdipoR1/Erk/PPARÎ³ signaling pathway. Acta Biochimica Et Biophysica Sinica, 2016, 48, 509-519.	0.9	26
47	Alteration of mitochondrial oxidative capacity during porcine preadipocyte differentiation and in response to leptin. Molecular and Cellular Biochemistry, 2007, 307, 83-91.	1.4	25
48	Tissue expression of porcine FoxO1 and its negative regulation during primary preadipocyte differentiation. Molecular Biology Reports, 2009, 36, 165-176.	1.0	25
49	RNA-seq transcriptome analysis of extensor digitorum longus and soleus muscles in large white pigs. Molecular Genetics and Genomics, 2016, 291, 687-701.	1.0	25
50	BAMBI promotes porcine granulosa cell steroidogenesis involving TGF-Î² signaling. Theriogenology, 2017, 100, 24-31.	0.9	25
51	Adipose-Specific Deficiency of Fumarate Hydratase in Mice Protects Against Obesity, Hepatic Steatosis, and Insulin Resistance. Diabetes, 2016, 65, 3396-3409.	0.3	24
52	Accumulation of Î²-catenin by lithium chloride in porcine myoblast cultures accelerates cell differentiation. Molecular Biology Reports, 2011, 38, 2043-2049.	1.0	23
53	Biological role of MicroRNA-103 based on expression profile and target genes analysis in pigs. Molecular Biology Reports, 2011, 38, 4777-4786.	1.0	23
54	Sirt1 attenuates camptothecin-induced apoptosis through caspase-3 pathway in porcine preadipocytes. Experimental Cell Research, 2013, 319, 670-683.	1.2	22

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55	Regulation of Adipogenesis by Quinine through the ERK/S6 Pathway. International Journal of Molecular Sciences, 2016, 17, 504.	1.8	22
56	Estrogen related receptor Î±-induced adipogenesis is PGC-1Î²-dependent. Molecular Biology Reports, 2012, 39, 3343-3354.	1.0	21
57	Knockdown of ubiquitin D inhibits adipogenesis during the differentiation of porcine intramuscular and subcutaneous preadipocytes. Cell Proliferation, 2018, 51, e12401.	2.4	21
58	Overexpression of DNMT3A promotes proliferation and inhibits differentiation of porcine intramuscular preadipocytes by methylating p21 and PPARg promoters. Gene, 2019, 696, 54-62.	1.0	21
59	Lentivirus-mediated CTRP6 silencing ameliorates diet-induced obesity in mice. Experimental Cell Research, 2018, 367, 15-23.	1.2	20
60	Lithium chloride inhibits StAR and progesterone production through GSK-3Î² and ERK1/2 signaling pathways in human granulosa-lutein cells. Molecular and Cellular Endocrinology, 2018, 461, 89-99.	1.6	19
61	MAT2A promotes porcine adipogenesis by mediating H3K27me3 at Wnt10b locus and repressing Wnt/Î²-catenin signaling. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2018, 1863, 132-142.	1.2	18
62	Retinol binding protein 4 affects the adipogenesis of porcine preadipocytes through insulin signaling pathways. Biochemistry and Cell Biology, 2013, 91, 236-243.	0.9	17
63	Oleic acid reduces steroidogenesis by changing the lipid type stored in lipid droplets of ovarian granulosa cells. Journal of Animal Science and Biotechnology, 2022, 13, 27.	2.1	17
64	Bifenthrin Induces Fat Deposition by Improving Fatty Acid Uptake and Inhibiting Lipolysis in Mice. Journal of Agricultural and Food Chemistry, 2019, 67, 14048-14055.	2.4	15
65	MiR-214-3p promotes proliferation and inhibits estradiol synthesis in porcine granulosa cells. Journal of Animal Science and Biotechnology, 2020, 11, 94.	2.1	15
66	An Additive Effect of Promoting Thermogenic Gene Expression in Mice Adipose-Derived Stromal Vascular Cells by Combination of Rosiglitazone and CL316,243. International Journal of Molecular Sciences, 2017, 18, 1002.	1.8	14
67	Adipose-specific BMP and activin membrane-bound inhibitor (BAMBI) deletion promotes adipogenesis by accelerating ROS production. Journal of Biological Chemistry, 2021, 296, 100037.	1.6	14
68	SMAD1/5 mediates bone morphogenetic protein 2-induced up-regulation of BAMBI expression in human granulosa-lutein cells. Cellular Signalling, 2017, 37, 52-61.	1.7	14
69	Lithium Chloride Increases COX-2 Expression and PGE2 Production in a Human Granulosa-Lutein SVOG Cell Line Via a GSK-3Î²/Î²-Catenin Signaling Pathway. Endocrinology, 2017, 158, 2813-2825.	1.4	13
70	Upregulated microRNA-106a Promotes Porcine Preadipocyte Proliferation and Differentiation by Targeting Different Genes. Genes, 2019, 10, 805.	1.0	13
71	Differences between porcine longissimus thoracis and semitendinosus intramuscular fat content and the regulation of their preadipocytes during adipogenic differentiation. Meat Science, 2019, 147, 116-126.	2.7	13
72	NR1D1 targeting CYP19A1 inhibits estrogen synthesis in ovarian granulosa cells. Theriogenology, 2022, 180, 17-29.	0.9	13

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73	Rosiglitazone regulates IL-6-stimulated lipolysis in porcine adipocytes. Biochemistry and Cell Biology, 2010, 88, 853-860.	0.9	12
74	Ectopic expression of RBP4 impairs the insulin pathway and inguinal fat deposition in mice. Journal of Physiology and Biochemistry, 2014, 70, 479-486.	1.3	12
75	Lentivirus-mediated Sirt1 shRNA and resveratrol independently induce porcine preadipocyte apoptosis by canonical apoptotic pathway. Molecular Biology Reports, 2013, 40, 129-139.	1.0	11
76	Identification and expression analyses of BAMBI mediated by FSH in swine luteinizing granulosa cells. Theriogenology, 2014, 82, 1094-1101.	0.9	11
77	BAMBI shuttling between cytosol and membrane is required for skeletal muscle development and regeneration. Biochemical and Biophysical Research Communications, 2019, 509, 125-132.	1.0	11
78	Deciphering the miRNA transcriptome of Rongchang pig longissimus dorsi at weaning and slaughter time points. Journal of Animal Physiology and Animal Nutrition, 2020, 104, 954-964.	1.0	11
79	The anti-adipogenic effect of PGRN on porcine preadipocytes involves ERK1,2 mediated PPARÎ³ phosphorylation. Molecular Biology Reports, 2013, 40, 6863-6872.	1.0	10
80	Expression Profiles and Biological Roles of miR-196a in Swine. Genes, 2016, 7, 5.	1.0	10
81	Cyclin C regulates adipogenesis by stimulating transcriptional activity of CCAAT/enhancer-binding protein Î±. Journal of Biological Chemistry, 2017, 292, 8918-8932.	1.6	10
82	Triptolide enhances lipolysis of adipocytes by enhancing ATGL transcription via upregulation of p53. Phytotherapy Research, 2020, 34, 3298-3310.	2.8	10
83	Î²-catenin protein utilized by Tumour necrosis factor-Î± in porcine preadipocytes to suppress differentiation. BMB Reports, 2009, 42, 338-343.	1.1	10
84	Wnt3a regulates mitochondrial biogenesis through p38/CREB pathway. Biochemical and Biophysical Research Communications, 2019, 516, 1019-1025.	1.0	9
85	Elevated miR-10a-5p facilitates cell cycle and restrains adipogenic differentiation via targeting Map2k6 and Fasn, respectively. Acta Biochimica Et Biophysica Sinica, 2020, 52, 1227-1235.	0.9	9
86	Impact of Fermented Cornâ€“Soybean Meal on Gene Expression of Immunity in the Blood, Level of Secretory Immunoglobulin A, and Mucosa-Associated Bacterial Community in the Intestine of Growerâ€“Finisher Pigs. Frontiers in Veterinary Science, 2020, 7, 246.	0.9	9
87	Rho-Associated Protein Kinases Play an Important Role in the Differentiation of Rat Adipose-Derived Stromal Cells into Cardiomyocytes In Vitro. PLoS ONE, 2014, 9, e115191.	1.1	8
88	Localization and expression of CTRP6 in ovary and its regulation by FSH in porcine granulosa cells. Theriogenology, 2019, 127, 56-65.	0.9	8
89	Morus nigra L . leaves improve the meat quality in finishing pigs. Journal of Animal Physiology and Animal Nutrition, 2020, 104, 1904-1911.	1.0	8
90	MiR-99b-5p Attenuates Adipogenesis by Targeting SCD1 and Lpin1 in 3T3-L1 Cells. Journal of Agricultural and Food Chemistry, 2021, 69, 2564-2575.	2.4	8

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91	Alteration of De Novo Glucose Production Contributes to Fasting Hypoglycaemia in Fyn Deficient Mice. PLoS ONE, 2013, 8, e81866.	1.1	7
92	Effect of fermented cornâ€“soybean meal on carcass and meat quality of growerâ€finisher pigs. Journal of Animal Physiology and Animal Nutrition, 2021, 105, 693-698.	1.0	7
93	Over-expression of Nkx2.5 and/or cardiac Î±-actin inhibit the contraction ability of ADSCs-derived cardiomyocytes. Molecular Biology Reports, 2012, 39, 2585-2595.	1.0	6
94	Differentiation of 3T3â€Ł1 preadipocytes is inhibited under a modified ceiling culture. Cell Biology International, 2015, 39, 638-645.	1.4	6
95	Knock-down Sox5 suppresses porcine adipogenesis through BMP R-Smads signal pathway. Biochemical and Biophysical Research Communications, 2020, 527, 574-580.	1.0	6
96	AQP3 Facilitates Proliferation and Adipogenic Differentiation of Porcine Intramuscular Adipocytes. Genes, 2020, 11, 453.	1.0	6
97	Effects of RXRÎ± gene silencing on the porcine adipocyte differentiation in vitro. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2007, 2, 207-214.	0.4	5
98	Expression of TGH and its role in porcine primary adipocyte lipolysis. Molecular and Cellular Biochemistry, 2008, 315, 159-167.	1.4	5
99	Propionic acidemia in mice: Liver acyl-CoA levels and clinical course. Molecular Genetics and Metabolism, 2022, 135, 47-55.	0.5	5
100	Establishing the potency of N-acyl amino acids versus conventional fatty acids as thermogenic uncouplers in cells and mitochondria from different tissues. Biochimica Et Biophysica Acta - Bioenergetics, 2022, 1863, 148542.	0.5	4
101	Molecular cloning, expression and subcellular distribution of an alternative splice variant of the porcine Sirt2 gene. Molecular Biology Reports, 2010, 37, 1671-1676.	1.0	2
102	Evodiamine promotes differentiation and inhibits proliferation of C2C12 muscle cells. International Journal of Molecular Medicine, 2017, 41, 1627-1634.	1.8	2
103	COPS3 AS lncRNA enhances myogenic differentiation and maintains fast-type myotube phenotype. Cellular Signalling, 2022, 95, 110341.	1.7	1