Min Du

List of Publications by Year
in descending order

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155	7,250	41344	76900
papers	citations	49 h-index	74 g-index

155	155	155	9560
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Prevention of breast cancer by dietary polyphenolsâ€"role of cancer stem cells. Critical Reviews in Food Science and Nutrition, 2020, 60, 810-825.	10.3	38
2	Even a low dose of tamoxifen profoundly induces adipose tissue browning in female mice. International Journal of Obesity, 2020, 44, 226-234.	3.4	34
3	Amyotrophy Induced by a High-Fat Diet Is Closely Related to Inflammation and Protein Degradation Determined by Quantitative Phosphoproteomic Analysis in Skeletal Muscle of C57BL/6 J Mice. Journal of Nutrition, 2020, 150, 294-302.	2.9	11
4	Dietary alphaâ€ketoglutarate promotes beige adipogenesis and prevents obesity in middleâ€aged mice. Aging Cell, 2020, 19, e13059.	6.7	57
5	GR-mediated FTO transactivation induces lipid accumulation in hepatocytes via demethylation of m⁶A on lipogenic mRNAs. RNA Biology, 2020, 17, 930-942.	3.1	50
6	Antidiabetic Effect of Casein Glycomacropeptide Hydrolysates on High-Fat Diet and STZ-Induced Diabetic Mice via Regulating Insulin Signaling in Skeletal Muscle and Modulating Gut Microbiota. Nutrients, 2020, 12, 220.	4.1	31
7	Maternal exercise via exerkine apelin enhances brown adipogenesis and prevents metabolic dysfunction in offspring mice. Science Advances, 2020, 6, eaaz0359.	10.3	51
8	Supplementation of polar lipidsâ€enriched milk fat globule membrane in highâ€fat dietâ€fed rats during pregnancy and lactation promotes brown/beige adipocyte development and prevents obesity in male offspring. FASEB Journal, 2020, 34, 4619-4634.	0.5	16
9	Liensinine Inhibits Beige Adipocytes Recovering to white Adipocytes through Blocking Mitophagy Flux In Vitro and In Vivo. Nutrients, 2019, 11, 1640.	4.1	12
10	Maternal obesity impairs fetal mitochondriogenesis and brown adipose tissue development partially via upregulation of miR-204-5p. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 2706-2715.	3.8	21
11	Farm animals for studying muscle development and metabolism: dual purposes for animal production and human health. Animal Frontiers, 2019, 9, 21-27.	1.7	32
12	Dietary milk fat globule membrane regulates JNK and PI3K/Akt pathway and ameliorates type 2 diabetes in mice induced by a high-fat diet and streptozotocin. Journal of Functional Foods, 2019, 60, 103435.	3.4	17
13	Identification of muscle-specific candidate genes in Simmental beef cattle using imputed next generation sequencing. PLoS ONE, 2019, 14, e0223671.	2.5	11
14	Raspberry supplementation reduces lipid accumulation and improves insulin sensitivity in skeletal muscle of mice fed a high-fat diet. Journal of Functional Foods, 2019, 63, 103572.	3.4	16
15	Comparison of carcass traits, meat quality and expressions of MyHCs in muscles between Mashen and Large White pigs. Italian Journal of Animal Science, 2019, 18, 1410-1418.	1.9	18
16	Adipogenesis, fibrogenesis and myogenesis related gene expression in longissimus muscle of high and low marbling beef cattle. Livestock Science, 2019, 229, 188-193.	1.6	13
17	Change in interfacial properties of milk fat globules by homogenization and thermal processing plays a key role in their in vitro gastrointestinal digestion. Food Hydrocolloids, 2019, 96, 331-342.	10.7	41
18	Sulforaphane Prevents Hepatic Insulin Resistance by Blocking Serine Palmitoyltransferase 3-Mediated Ceramide Biosynthesis. Nutrients, 2019, 11, 1185.	4.1	29

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19	Exercise prevents the adverse effects of maternal obesity on placental vascularization and fetal growth. Journal of Physiology, 2019, 597, 3333-3347.	2.9	50
20	Bovine Î±-lactalbumin hydrolysates ameliorate obesity-associated endotoxemia and inflammation in high-fat diet-fed mice through modulation of gut microbiota. Food and Function, 2019, 10, 3368-3378.	4.6	34
21	Effect of maternal feed restriction in dairy goats at different stages of gestation on skeletal muscle development and energy metabolism of kids at the time of births. Animal Reproduction Science, 2019, 206, 46-59.	1.5	8
22	Beneficial Effects of Potentilla discolor Bunge Water Extract on Inflammatory Cytokines Release and Gut Microbiota in High-Fat Diet and Streptozotocin-Induced Type 2 Diabetic Mice. Nutrients, 2019, 11, 670.	4.1	56
23	Raspberry extract prevents NLRP3 inflammasome activation in gut epithelial cells induced by pathogenic Escherichia coli. Journal of Functional Foods, 2019, 56, 224-231.	3.4	5
24	Phytanic acid activates PPARÎ± to promote beige adipogenic differentiation of preadipocytes. Journal of Nutritional Biochemistry, 2019, 67, 201-211.	4.2	12
25	GROWTH AND DEVELOPMENT SYMPOSIUM: STEM AND PROGENITOR CELLS IN ANIMAL GROWTH: Long noncoding RNAs in adipogenesis and adipose development of meat animals12. Journal of Animal Science, 2019, 97, 2644-2657.	0.5	4
26	Characterization and comparisons of microbiota in different intestinal segments between adult Chinese Shanxi Black Pigs and Large White Pigs. Annals of Microbiology, 2019, 69, 447-456.	2.6	3
27	Bovine Î±-lactalbumin hydrolysates (Î±-LAH) attenuate high-fat diet induced nonalcoholic fatty liver disease by modulating hepatic lipid metabolism in C57BL/6J mice. Journal of Functional Foods, 2019, 54, 254-262.	3.4	22
28	Label-free quantitative proteomic analysis of milk fat globule membrane proteins of yak and cow and identification of proteins associated with glucose and lipid metabolism. Food Chemistry, 2019, 275, 59-68.	8.2	23
29	Beneficial Effect of Potato Consumption on Gut Microbiota and Intestinal Epithelial Health. American Journal of Potato Research, 2019, 96, 170-176.	0.9	23
30	Plasma apelin levels in overweight/obese adults following a single bout of exhaustive exercise: A preliminary cross-sectional study. Endocrinologia, Diabetes Y NutriciÃ“n, 2019, 66, 278-290.	0.3	10
31	Raspberry promotes brown and beige adipocyte development in mice fed high-fat diet through activation of AMP-activated protein kinase (AMPK) Î±1. Journal of Nutritional Biochemistry, 2018, 55, 157-164.	4.2	43
32	Dietary Red Raspberry Reduces Colorectal Inflammation and Carcinogenic Risk in Mice with Dextran Sulfate Sodiumâ€“Induced Colitis. Journal of Nutrition, 2018, 148, 667-674.	2.9	23
33	Alternative polyadenylation drives genome-to-phenome information detours in the AMPKÎ±1 and AMPKÎ±2 knockout mice. Scientific Reports, 2018, 8, 6462.	3.3	10
34	Ex vivogut culture for studying differentiation and migration of small intestinal epithelial cells. Open Biology, 2018, 8, 170256.	3.6	8
35	Casein glycomacropeptide hydrolysates ameliorate hepatic insulin resistance of C57BL/6J mice challenged with high-fat diet. Journal of Functional Foods, 2018, 45, 190-198.	3.4	19
36	Raspberry Supplementation Improves Insulin Signaling and Promotes Brownâ€Like Adipocyte Development in White Adipose Tissue of Obese Mice. Molecular Nutrition and Food Research, 2018, 62, 1701035.	3.3	40

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37	Casein glycomacropeptide hydrolysates inhibit PGE2 production and COX2 expression in LPS-stimulated RAW 264.7 macrophage cellsviaAkt mediated NF-ÎºB and MAPK pathways. Food and Function, 2018, 9, 2524-2532.	4.6	23
38	Red raspberries suppress NLRP3 inflammasome and attenuate metabolic abnormalities in diet-induced obese mice. Journal of Nutritional Biochemistry, 2018, 53, 96-103.	4.2	29
39	Dietary red raspberries attenuate dextran sulfate sodium-induced acute colitis. Journal of Nutritional Biochemistry, 2018, 51, 40-46.	4.2	51
40	Systemic SMAD7 Gene Therapy Increases Striated Muscle Mass and Enhances Exercise Capacity in a Dose-Dependent Manner. Human Gene Therapy, 2018, 29, 390-399.	2.7	5
41	Purple Potato Extract Promotes Intestinal Epithelial Differentiation and Barrier Function by Activating AMPâ€Activated Protein Kinase. Molecular Nutrition and Food Research, 2018, 62, 1700536.	3.3	55
42	Exercise-induced myokines: a brief review of controversial issues of this decade. Expert Review of Endocrinology and Metabolism, 2018, 13, 51-58.	2.4	29
43	Neonatal vitamin A injection promotes cattle muscle growth and increases oxidative muscle fibers. Journal of Animal Science and Biotechnology, 2018, 9, 82.	5.3	22
44	Milk fat globule membrane supplementation modulates the gut microbiota and attenuates metabolic endotoxemia in high-fat diet-fed mice. Journal of Functional Foods, 2018, 47, 56-65.	3.4	51
45	Raspberry alleviates obesity-induced inflammation and insulin resistance in skeletal muscle through activation of AMP-activated protein kinase (AMPK) Î±1. Nutrition and Diabetes, 2018, 8, 39.	3.2	38
46	Vitamin A administration at birth promotes calf growth and intramuscular fat development in Angus beef cattle. Journal of Animal Science and Biotechnology, 2018, 9, 55.	5.3	40
47	Bovine Î±-Lactalbumin Hydrolysates (Î±-LAH) Ameliorate Adipose Insulin Resistance and Inflammation in High-Fat Diet-Fed C57BL/6J Mice. Nutrients, 2018, 10, 242.	4.1	36
48	Milk Fat Globule Membrane Attenuates High-Fat Diet-Induced Obesity by Inhibiting Adipogenesis and Increasing Uncoupling Protein 1 Expression in White Adipose Tissue of Mice. Nutrients, 2018, 10, 331.	4.1	33
49	AMPK in regulation of apical junctions and barrier function of intestinal epithelium. Tissue Barriers, 2018, 6, 1-13.	3.2	47
50	Quercetin Prevents Escherichia coli O157:H7 Adhesion to Epithelial Cells via Suppressing Focal Adhesions. Frontiers in Microbiology, 2018, 9, 3278.	3.5	15
51	A functional role for AMPK in female fertility and endometrial regeneration. Reproduction, 2018, 156, 501-513.	2.6	13
52	Regulation of the intestinal tight junction by natural polyphenols: A mechanistic perspective. Critical Reviews in Food Science and Nutrition, 2017, 57, 3830-3839.	10.3	96
53	Lysyl oxidase propeptide promotes adipogenesis through inhibition of FGF-2 signaling. Adipocyte, 2017, 6, 12-19.	2.8	12
54	AMPK improves gut epithelial differentiation and barrier function via regulating Cdx2 expression. Cell Death and Differentiation, 2017, 24, 819-831.	11.2	164

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55	bta-miR-23a involves in adipogenesis of progenitor cells derived from fetal bovine skeletal muscle. Scientific Reports, 2017, 7, 43716.	3.3	50
56	Peptide IPPKKNQDKTE ameliorates insulin resistance in HepG2 cells via blocking ROS-mediated MAPK signaling. Journal of Functional Foods, 2017, 31, 287-294.	3.4	17
57	Quercetin suppresses NLRP3 inflammasome activation in epithelial cells triggered by Escherichia coli O157:H7. Free Radical Biology and Medicine, 2017, 108, 760-769.	2.9	62
58	Resveratrol supplementation of highâ€fat dietâ€fed pregnant mice promotes brown and beige adipocyte development and prevents obesity in male offspring. Journal of Physiology, 2017, 595, 1547-1562.	2.9	122
59	Maternal Retinoids Increase PDGFRÎ±+ Progenitor Population and Beige Adipogenesis in Progeny by Stimulating Vascular Development. EBioMedicine, 2017, 18, 288-299.	6.1	30
60	Upregulation of heme oxygenase-1 mediates the anti-inflammatory activity of casein glycomacropeptide (GMP) hydrolysates in LPS-stimulated macrophages. Food and Function, 2017, 8, 2475-2484.	4.6	15
61	The effect of dietary grape pomace supplementation on epididymal sperm quality and testicular antioxidant ability in ram lambs. Theriogenology, 2017, 97, 50-56.	2.1	35
62	Maternal highâ€fat diet consumption enhances offspring susceptibility to DSSâ€induced colitis in mice. Obesity, 2017, 25, 901-908.	3.0	32
63	Dandelion extract suppresses reactive oxidative species and inflammasome in intestinal epithelial cells. Journal of Functional Foods, 2017, 29, 10-18.	3.4	56
64	Retinoic acid inhibits white adipogenesis by disrupting GADD45A-mediated Zfp423 DNA demethylation. Journal of Molecular Cell Biology, 2017, 9, 338-349.	3.3	33
65	Retinoic acid induces white adipose tissue browning by increasing adipose vascularity and inducing beige adipogenesis of PDGFRÎ±+ adipose progenitors. Cell Discovery, 2017, 3, 17036.	6.7	60
66	Effect of dietary Tartary buckwheat extract supplementation on growth performance, meat quality and antioxidant activity in ewe lambs. Meat Science, 2017, 134, 79-85.	5.5	26
67	Enhanced adipogenesis in Mashen pigs compared with Large White pigs. Italian Journal of Animal Science, 2017, 16, 217-225.	1.9	23
68	Moderate alcohol intake induces thermogenic brown/beige adipocyte formation via elevating retinoic acid signaling. FASEB Journal, 2017, 31, 4612-4622.	0.5	11
69	AMPKÎ±1 deficiency suppresses brown adipogenesis in favor of fibrogenesis during brown adipose tissue development. Biochemical and Biophysical Research Communications, 2017, 491, 508-514.	2.1	18
70	Preventive effects of Goji berry on dextran-sulfate-sodium-induced colitis in mice. Journal of Nutritional Biochemistry, 2017, 40, 70-76.	4.2	56
71	Casein glycomacropeptideâ€derived peptide IPPKKNQDKTE ameliorates high glucoseâ€induced insulin resistance in HepG2 cells via activation of AMPK signaling. Molecular Nutrition and Food Research, 2017, 61, 1600301.	3.3	33
72	Resveratrol enhances brown adipocyte formation and function by activating AMPâ€activated protein kinase (AMPK) Î±1 in mice fed highâ€fat diet. Molecular Nutrition and Food Research, 2017, 61, 1600746.	3.3	78

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73	Casein Glycomacropeptide Hydrolysates Exert Cytoprotective Effect against Cellular Oxidative Stress by Up-Regulating HO-1 Expression in HepG2 Cells. Nutrients, 2017, 9, 31.	4.1	23
74	Optimizing livestock production efficiency through maternal nutritional management and fetal developmental programming. Animal Frontiers, 2017, 7, 5-11.	1.7	35
75	Escherichia coli O157:H7 suppresses host autophagy and promotes epithelial adhesion via Tir-mediated and cAMP-independent activation of protein kinase A. Cell Death Discovery, 2017, 3, 17055.	4.7	14
76	Alcohol intake aggravates adipose browning and muscle atrophy in cancer-associated cachexia. Oncotarget, 2017, 8, 100411-100420.	1.8	9
77	Constructing a comprehensive gene co-expression based interactome in Bos taurus. PeerJ, 2017, 5, e4107.	2.0	9
78	Obesity Impairs Skeletal Muscle Regeneration Through Inhibition of AMPK. Diabetes, 2016, 65, 188-200.	0.6	127
79	Maternal obesity epigenetically alters visceral fat progenitor cell properties in male offspring mice. Journal of Physiology, 2016, 594, 4453-4466.	2.9	73
80	Sea cucumber peptides exert anti-inflammatory activity through suppressing NF-Î¹B and MAPK and inducing HO-1 in RAW264.7 macrophages. Food and Function, 2016, 7, 2773-2779.	4.6	36
81	Nutrigenomic regulation of adipose tissue development â€" role of retinoic acid: A review. Meat Science, 2016, 120, 100-106.	5.5	66
82	AMPK/Î±-Ketoglutarate Axis Dynamically Mediates DNA Demethylation in the Prdm16 Promoter and Brown Adipogenesis. Cell Metabolism, 2016, 24, 542-554.	16.2	195
83	Maternal high-fat diet during lactation impairs thermogenic function of brown adipose tissue in offspring mice. Scientific Reports, 2016, 6, 34345.	3.3	69
84	Long noncoding RNAs in regulating adipogenesis: new RNAs shed lights on obesity. Cellular and Molecular Life Sciences, 2016, 73, 2079-2087.	5.4	92
85	Bactericidal effects of Cinnamon cassia oil against bovine mastitis bacterial pathogens. Food Control, 2016, 66, 291-299.	5.5	37
86	Myostatin Attenuation In Vivo Reduces Adiposity, but Activates Adipogenesis. Endocrinology, 2016, 157, 282-291.	2.8	17
87	Butyrate suppresses murine mast cell proliferation and cytokine production through inhibiting histone deacetylase. Journal of Nutritional Biochemistry, 2016, 27, 299-306.	4.2	58
88	Favourable effects of grape seed extract on intestinal epithelial differentiation and barrier function in IL10-deficient mice. British Journal of Nutrition, 2015, 114, 15-23.	2.3	40
89	Fetal programming in meat production. Meat Science, 2015, 109, 40-47.	5.5	110
90	Prevention of obesity by dietary resveratrol: how strong is the evidence?. Expert Review of Endocrinology and Metabolism, 2015, 10, 561-564.	2.4	14

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91	AMP-activated Protein Kinase Stimulates Warburg-like Glycolysis and Activation of Satellite Cells during Muscle Regeneration. Journal of Biological Chemistry, 2015, 290, 26445-26456.	3.4	67
92	Molecular Factors Underlying the Deposition of Intramuscular Fat and Collagen in Skeletal Muscle of Nellore and Angus Cattle. PLoS ONE, 2015, 10, e0139943.	2.5	52
93	Sequencing and Characterization of Divergent Marbling Levels in the Beef Cattle (<i>Longissimus) Tj ETQq1 1 0.784314 rgBT /O	2.4	29
94	Adipose depots differ in cellularity, adipokines produced, gene expression, and cell systems. Adipocyte, 2014, 3, 236-241.	2.8	31
95	Intermuscular and intramuscular adipose tissues: Bad vs. good adipose tissues. Adipocyte, 2014, 3, 242-255.	2.8	136
96	Effects of Dietary Cholesterol and Its Oxidation Products on Pathological Lesions and Cholesterol and Lipid Oxidation in the Rabbit Liver. BioMed Research International, 2014, 2014, 1-7.	1.9	6
97	Maternal obesity exacerbates insulitis and type 1 diabetes in non-obese diabetic mice. Reproduction, 2014, 148, 73-79.	2.6	15
98	Maternal obesity induces gut inflammation and impairs gut epithelial barrier function in nonobese diabetic mice. Journal of Nutritional Biochemistry, 2014, 25, 758-764.	4.2	43
99	Host Inflammatory Response Inhibits Escherichia coli O157:H7 Adhesion to Gut Epithelium through Augmentation of Mucin Expression. Infection and Immunity, 2014, 82, 1921-1930.	2.2	37
100	Grape seed extract prevents skeletal muscle wasting in interleukin 10 knockout mice. BMC Complementary and Alternative Medicine, 2014, 14, 162.	3.7	28
101	Mast cell deficiency exacerbates inflammatory bowel symptoms in interleukin-10-deficient mice. World Journal of Gastroenterology, 2014, 20, 9106-15.	3.3	17
102	Adipose Cell Precursors: Stem Cells in Medicine, Tissue Engineering, and Reconstructive Surgery. , 2014, , 19-22.		1
103	Emerging roles of zinc finger proteins in regulating adipogenesis. Cellular and Molecular Life Sciences, 2013, 70, 4569-4584.	5.4	71
104	Maternal Obesity Induces Epigenetic Modifications to Facilitate Zfp423 Expression and Enhance Adipogenic Differentiation in Fetal Mice. Diabetes, 2013, 62, 3727-3735.	0.6	120
105	AMP-activated protein kinase (AMPK) Î±2 subunit mediates glycolysis in postmortem skeletal muscle. Meat Science, 2013, 95, 536-541.	5.5	20
106	AMP-Activated Protein Kinase Î±1 but Not Î±2 Catalytic Subunit Potentiates Myogenin Expression and Myogenesis. Molecular and Cellular Biology, 2013, 33, 4517-4525.	2.3	57
107	Dietary grape seed extract ameliorates symptoms of inflammatory bowel disease in ‹scp›IL‹/scp›10â€deficient mice. Molecular Nutrition and Food Research, 2013, 57, 2253-2257.	3.3	77
108	Dosage response of atherosclerotic lesions to dietary cholesterol in rabbits. Food Science and Biotechnology, 2013, 22, 1-7.	2.6	3

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109	DSMC Prediction of Particle Behavior in Gas-Particle Two-Phase Impinging Streams. Mathematical Problems in Engineering, 2013, 2013, 1-11.	1.1	2
110	AMP-activated protein kinase mediates myogenin expression and myogenesis via histone deacetylase 5. American Journal of Physiology - Cell Physiology, 2013, 305, C887-C895.	4.6	37
111	Salt at concentrations relevant to meat processing enhances Shiga toxin 2 production in Escherichia coli O157:H7. International Journal of Food Microbiology, 2012, 159, 186-192.	4.7	26
112	AMP-activated protein kinase stimulates myostatin expression in C2C12 cells. Biochemical and Biophysical Research Communications, 2012, 427, 36-40.	2.1	30
113	High Temperature in Combination with UV Irradiation Enhances Horizontal Transfer of stx2 Gene from E. coli O157:H7 to Non-Pathogenic E. coli. PLoS ONE, 2012, 7, e31308.	2.5	31
114	Effects of Cortisol and Dexamethasone on Insulin Signalling Pathways in Skeletal Muscle of the Ovine Fetus during Late Gestation. PLoS ONE, 2012, 7, e52363.	2.5	29
115	Maternal Obesity Enhances Collagen Accumulation and Cross-Linking in Skeletal Muscle of Ovine Offspring. PLoS ONE, 2012, 7, e31691.	2.5	33
116	Zfp423 Promotes Adipogenic Differentiation of Bovine Stromal Vascular Cells. PLoS ONE, 2012, 7, e47496.	2.5	62
117	Side-stream smoking reduces intestinal inflammation and increases expression of tight junction proteins. World Journal of Gastroenterology, 2012, 18, 2180.	3.3	90
118	Deficiency in AMP-activated protein kinase exaggerates high fat diet-induced cardiac hypertrophy and contractile dysfunction. Journal of Molecular and Cellular Cardiology, 2011, 50, 712-722.	1.9	90
119	A modified DSMC method for simulating gasâ€“particle two-phase impinging streams. Chemical Engineering Science, 2011, 66, 4922-4931.	3.8	38
120	Maternal obesity induces sustained inflammation in both fetal and offspring large intestine of sheep. Inflammatory Bowel Diseases, 2011, 17, 1513-1522.	1.9	63
121	Chromium (d-Phenylalanine)3 alleviates high fat-induced insulin resistance and lipid abnormalities. Journal of Inorganic Biochemistry, 2011, 105, 58-62.	3.5	26
122	AMP-activated Protein Kinase Regulates Î²-Catenin Transcription via Histone Deacetylase 5. Journal of Biological Chemistry, 2011, 286, 16426-16434.	3.4	50
123	Maternal Obesity-Impaired Insulin Signaling in Sheep and Induced Lipid Accumulation and Fibrosis in Skeletal Muscle of Offspring1. Biology of Reproduction, 2011, 85, 172-178.	2.7	103
124	Potential Impact of Mature Adipocyte Dedifferentiation in Terms of Cell Numbers. International Journal of Stem Cells, 2011, 4, 76-77.	1.8	13
125	2-(3,4-Dihydro-2H-pyrrolium-1-yl)-3oxoindan-1-olate (DHPO), a novel, synthetic small molecule that alleviates insulin resistance and lipid abnormalities. Biochemical Pharmacology, 2010, 79, 623-631.	4.4	13
126	Chloride intracellular channel 5 modulates adipocyte accumulation in skeletal muscle by inhibiting preadipocyte differentiation. Journal of Cellular Biochemistry, 2010, 110, 1013-1021.	2.6	5

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127	Changes of hormone-sensitive lipase (HSL), adipose tissue triglyceride lipase (ATGL) and free fatty acids in subcutaneous adipose tissues throughout the ripening process of dry-cured ham. Food Chemistry, 2010, 121, 191-195.	8.2	25
128	AMPâ€activated protein kinase deficiency exacerbates agingâ€induced myocardial contractile dysfunction. Aging Cell, 2010, 9, 592-606.	6.7	114
129	Skeletal Muscle Stem Cells from Animals I. Basic Cell Biology. International Journal of Biological Sciences, 2010, 6, 465-474.	6.4	53
130	Lipid metabolism, adipocyte depot physiology and utilization of meat animals as experimental models for metabolic research. International Journal of Biological Sciences, 2010, 6, 691-699.	6.4	89
131	Maternal obesity markedly increases placental fatty acid transporter expression and fetal blood triglycerides at midgestation in the ewe. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 299, R1224-R1231.	1.8	110
132	Maternal Obesity, Inflammation, and Fetal Skeletal Muscle Development1. Biology of Reproduction, 2010, 82, 4-12.	2.7	165
133	Maternal obesity induces fibrosis in fetal myocardium of sheep. American Journal of Physiology - Endocrinology and Metabolism, 2010, 299, E968-E975.	3.5	71
134	Enhanced transforming growth factor-Î² signaling and fibrogenesis in ovine fetal skeletal muscle of obese dams at late gestation. American Journal of Physiology - Endocrinology and Metabolism, 2010, 298, E1254-E1260.	3.5	37
135	Up-Regulation of Toll-Like Receptor 4/Nuclear Factor-ÎºB Signaling Is Associated with Enhanced Adipogenesis and Insulin Resistance in Fetal Skeletal Muscle of Obese Sheep at Late Gestation. Endocrinology, 2010, 151, 380-387.	2.8	109
136	Lipids deposition, composition and oxidative stability of subcutaneous adipose tissue and Longissimus dorsi muscle in Guizhou mini-pig at different developmental stages. Meat Science, 2010, 84, 684-690.	5.5	11
137	Cellular signaling pathways regulating the initial stage of adipogenesis and marbling of skeletal muscle. Meat Science, 2010, 86, 103-109.	5.5	88
138	AMP-activated protein kinase (AMPK) cross-talks with canonical Wnt signaling via phosphorylation of Î²-catenin at Ser 552. Biochemical and Biophysical Research Communications, 2010, 395, 146-151.	2.1	75
139	High glucose induces differentiation and adipogenesis in porcine muscle satellite cells via mTOR. BMB Reports, 2010, 43, 140-145.	2.4	33
140	Maternal obesity downregulates myogenesis and Î²-catenin signaling in fetal skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2009, 296, E917-E924.	3.5	144
141	AMPâ€activated protein kinase enhances the expression of muscleâ€specific ubiquitin ligases despite its activation of IGFâ€1/Akt signaling in C2C12 myotubes. Journal of Cellular Biochemistry, 2009, 108, 458-468.	2.6	87
142	Chromium supplement inhibits skeletal muscle atrophy in hindlimb-suspended mice. Journal of Nutritional Biochemistry, 2009, 20, 992-999.	4.2	15
143	Insulinâ€like growth factorâ€1 (IGFâ€1) and leucine activate pig myogenic satellite cells through mammalian target of rapamycin (mTOR) pathway. Molecular Reproduction and Development, 2008, 75, 810-817.	2.0	82
144	Role of leptin in the regulation of growth and carbohydrate metabolism in the ovine fetus during late gestation. Journal of Physiology, 2008, 586, 2393-2403.	2.9	36

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145	AMPâ€activated protein kinase signalling pathways are down regulated and skeletal muscle development impaired in fetuses of obese, overâ€nourished sheep. Journal of Physiology, 2008, 586, 2651-2664.	2.9	137
146	Compound C, an inhibitor of AMP-activated protein kinase, inhibits glycolysis in mouse longissimus dorsi postmortem. Meat Science, 2008, 78, 323-330.	5.5	41
147	Comparative functional analysis of the cow and mouse myostatin genes reveals novel regulatory elements in their upstream promoter regions. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2008, 150, 432-439.	1.6	17
148	CLA differently regulates adipogenesis in stromal vascular cells from porcine subcutaneous adipose and skeletal muscle. Journal of Lipid Research, 2007, 48, 1701-1709.	4.2	67
149	Cardiac-specific overexpression of insulin-like growth factor 1 attenuates aging-associated cardiac diastolic contractile dysfunction and protein damage. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H1398-H1403.	3.2	93
150	Rat hindlimb unloading down-regulates insulin like growth factor-1 signaling and AMP-activated protein kinase, and leads to severe atrophy of the soleus muscle. Applied Physiology, Nutrition and Metabolism, 2007, 32, 1115-1123.	1.9	50
151	Ca²⁺/calmodulin-dependent protein kinase kinase is involved in AMP-activated protein kinase activation by Î±-lipoic acid in C2C12 myotubes. American Journal of Physiology - Cell Physiology, 2007, 293, C1395-C1403.	4.6	91
152	Relationship between Kinase Phosphorylation, Muscle Fiber Typing, and Glycogen Accumulation in Longissimus Muscle of Beef Cattle with High and Low Intramuscular Fat. Journal of Agricultural and Food Chemistry, 2007, 55, 9698-9703.	5.2	33
153	CARDIAC-SPECIFIC OVEREXPRESSION OF CATALASE PROLONGS LIFESPAN AND ATTENUATES AGEING-INDUCED CARDIOMYOCYTE CONTRACTILE DYSFUNCTION AND PROTEIN DAMAGE. Clinical and Experimental Pharmacology and Physiology, 2007, 34, 81-87.	1.9	48
154	Early Post-mortem AMP-Activated Protein Kinase (AMPK) Activation Leads to Phosphofructokinase-2 and -1 (PFK-2 and PFK-1) Phosphorylation and the Development of Pale, Soft, and Exudative (PSE) Conditions in Porcine Longissimus Muscle. Journal of Agricultural and Food Chemistry, 2006, 54, 5583-5589.	5.2	65
155	Maternal nutrient restriction affects properties of skeletal muscle in offspring. Journal of Physiology, 2006, 575, 241-250.	2.9	282