

# Min Du

## List of Publications by Year in descending order

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155  
papers

7,250  
citations

41344

49  
h-index

76900

74  
g-index

155  
all docs

155  
docs citations

155  
times ranked

9560  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Maternal nutrient restriction affects properties of skeletal muscle in offspring. <i>Journal of Physiology</i> , 2006, 575, 241-250.  | 2.9  | 282       |
| 2  | AMPK/ $\beta$ -Ketoglutarate Axis Dynamically Mediates DNA Demethylation in the Prdm16 Promoter and Brown Adipogenesis. <i>Cell Metabolism</i> , 2016, 24, 542-554.   | 16.2 | 195       |
| 3  | Maternal Obesity, Inflammation, and Fetal Skeletal Muscle Development <sup>1</sup> . <i>Biology of Reproduction</i> , 2010, 82, 4-12.   | 2.7  | 165       |
| 4  | AMPK improves gut epithelial differentiation and barrier function via regulating Cdx2 expression. <i>Cell Death and Differentiation</i> , 2017, 24, 819-831.  | 11.2 | 164       |
| 5  | Maternal obesity downregulates myogenesis and $\beta$ -catenin signaling in fetal skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 296, E917-E924.   | 3.5  | 144       |
| 6  | AMP-activated protein kinase signalling pathways are down regulated and skeletal muscle development impaired in fetuses of obese, overnourished sheep. <i>Journal of Physiology</i> , 2008, 586, 2651-2664.   | 2.9  | 137       |
| 7  | Intermuscular and intramuscular adipose tissues: Bad vs. good adipose tissues. <i>Adipocyte</i> , 2014, 3, 242-255.   | 2.8  | 136       |
| 8  | Obesity Impairs Skeletal Muscle Regeneration Through Inhibition of AMPK. <i>Diabetes</i> , 2016, 65, 188-200.   | 0.6  | 127       |
| 9  | Resveratrol supplementation of high-fat diet-fed pregnant mice promotes brown and beige adipocyte development and prevents obesity in male offspring. <i>Journal of Physiology</i> , 2017, 595, 1547-1562.  | 2.9  | 122       |
| 10 | Maternal Obesity Induces Epigenetic Modifications to Facilitate Zfp423 Expression and Enhance Adipogenic Differentiation in Fetal Mice. <i>Diabetes</i> , 2013, 62, 3727-3735.  | 0.6  | 120       |
| 11 | AMP-activated protein kinase deficiency exacerbates aging-induced myocardial contractile dysfunction. <i>Aging Cell</i> , 2010, 9, 592-606.   | 6.7  | 114       |
| 12 | Maternal obesity markedly increases placental fatty acid transporter expression and fetal blood triglycerides at midgestation in the ewe. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 299, R1224-R1231. | 1.8  | 110       |
| 13 | Fetal programming in meat production. <i>Meat Science</i> , 2015, 109, 40-47.   | 5.5  | 110       |
| 14 | Up-Regulation of Toll-Like Receptor 4/Nuclear Factor- $\kappa$ B Signaling Is Associated with Enhanced Adipogenesis and Insulin Resistance in Fetal Skeletal Muscle of Obese Sheep at Late Gestation. <i>Endocrinology</i> , 2010, 151, 380-387.              | 2.8  | 109       |
| 15 | Maternal Obesity-Impaired Insulin Signaling in Sheep and Induced Lipid Accumulation and Fibrosis in Skeletal Muscle of Offspring <sup>1</sup> . <i>Biology of Reproduction</i> , 2011, 85, 172-178.   | 2.7  | 103       |
| 16 | Regulation of the intestinal tight junction by natural polyphenols: A mechanistic perspective. <i>Critical Reviews in Food Science and Nutrition</i> , 2017, 57, 3830-3839.   | 10.3 | 96        |
| 17 | Cardiac-specific overexpression of insulin-like growth factor 1 attenuates aging-associated cardiac diastolic contractile dysfunction and protein damage. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H1398-H1403.  | 3.2  | 93        |
| 18 | Long noncoding RNAs in regulating adipogenesis: new RNAs shed lights on obesity. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 2079-2087.   | 5.4  | 92        |

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|----|--|-----|-----------|
| 19 | Ca <sup>2+</sup> /calmodulin-dependent protein kinase kinase is involved in AMP-activated protein kinase activation by $\gamma$ -lipoic acid in C2C12 myotubes. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 293, C1395-C1403.  | 4.6 | 91        |
| 20 | Deficiency in AMP-activated protein kinase exaggerates high fat diet-induced cardiac hypertrophy and contractile dysfunction. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 50, 712-722.   | 1.9 | 90        |
| 21 | Side-stream smoking reduces intestinal inflammation and increases expression of tight junction proteins. <i>World Journal of Gastroenterology</i> , 2012, 18, 2180.  | 3.3 | 90        |
| 22 | Lipid metabolism, adipocyte depot physiology and utilization of meat animals as experimental models for metabolic research. <i>International Journal of Biological Sciences</i> , 2010, 6, 691-699.  | 6.4 | 89        |
| 23 | Cellular signaling pathways regulating the initial stage of adipogenesis and marbling of skeletal muscle. <i>Meat Science</i> , 2010, 86, 103-109.   | 5.5 | 88        |
| 24 | AMP-activated protein kinase enhances the expression of muscle-specific ubiquitin ligases despite its activation of IGF1/Akt signaling in C2C12 myotubes. <i>Journal of Cellular Biochemistry</i> , 2009, 108, 458-468.  | 2.6 | 87        |
| 25 | Insulin-like growth factor 1 (IGF1) and leucine activate pig myogenic satellite cells through mammalian target of rapamycin (mTOR) pathway. <i>Molecular Reproduction and Development</i> , 2008, 75, 810-817.   | 2.0 | 82        |
| 26 | Resveratrol enhances brown adipocyte formation and function by activating AMP-activated protein kinase (AMPK) $\beta$ 1 in mice fed high-fat diet. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600746.   | 3.3 | 78        |
| 27 | Dietary grape seed extract ameliorates symptoms of inflammatory bowel disease in IL-10-deficient mice. <i>Molecular Nutrition and Food Research</i> , 2013, 57, 2253-2257.   | 3.3 | 77        |
| 28 | AMP-activated protein kinase (AMPK) cross-talks with canonical Wnt signaling via phosphorylation of $\beta$ -catenin at Ser 552. <i>Biochemical and Biophysical Research Communications</i> , 2010, 395, 146-151.  | 2.1 | 75        |
| 29 | Maternal obesity epigenetically alters visceral fat progenitor cell properties in male offspring mice. <i>Journal of Physiology</i> , 2016, 594, 4453-4466.  | 2.9 | 73        |
| 30 | Maternal obesity induces fibrosis in fetal myocardium of sheep. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010, 299, E968-E975.   | 3.5 | 71        |
| 31 | Emerging roles of zinc finger proteins in regulating adipogenesis. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 4569-4584.  | 5.4 | 71        |
| 32 | Maternal high-fat diet during lactation impairs thermogenic function of brown adipose tissue in offspring mice. <i>Scientific Reports</i> , 2016, 6, 34345.  | 3.3 | 69        |
| 33 | CLA differently regulates adipogenesis in stromal vascular cells from porcine subcutaneous adipose and skeletal muscle. <i>Journal of Lipid Research</i> , 2007, 48, 1701-1709.  | 4.2 | 67        |
| 34 | AMP-activated Protein Kinase Stimulates Warburg-like Glycolysis and Activation of Satellite Cells during Muscle Regeneration. <i>Journal of Biological Chemistry</i> , 2015, 290, 26445-26456.   | 3.4 | 67        |
| 35 | Nutrigenomic regulation of adipose tissue development – role of retinoic acid: A review. <i>Meat Science</i> , 2016, 120, 100-106.   | 5.5 | 66        |
| 36 | Early Post-mortem AMP-Activated Protein Kinase (AMPK) Activation Leads to Phosphofruktokinase-2 and -1 (PFK-2 and PFK-1) Phosphorylation and the Development of Pale, Soft, and Exudative (PSE) Conditions in Porcine Longissimus Muscle. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 5583-5589. | 5.2 | 65        |

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|----|---|------|-----------|
| 37 | Maternal obesity induces sustained inflammation in both fetal and offspring large intestine of sheep. <i>Inflammatory Bowel Diseases</i> , 2011, 17, 1513-1522.   | 1.9  | 63        |
| 38 | Quercetin suppresses NLRP3 inflammasome activation in epithelial cells triggered by <i>Escherichia coli</i> O157:H7. <i>Free Radical Biology and Medicine</i> , 2017, 108, 760-769.   | 2.9  | 62        |
| 39 | Zfp423 Promotes Adipogenic Differentiation of Bovine Stromal Vascular Cells. <i>PLoS ONE</i> , 2012, 7, e47496.   | 2.5  | 62        |
| 40 | Retinoic acid induces white adipose tissue browning by increasing adipose vascularity and inducing beige adipogenesis of PDGFR $\alpha$ <sup>+</sup> adipose progenitors. <i>Cell Discovery</i> , 2017, 3, 17036.                           | 6.7  | 60        |
| 41 | Butyrate suppresses murine mast cell proliferation and cytokine production through inhibiting histone deacetylase. <i>Journal of Nutritional Biochemistry</i> , 2016, 27, 299-306.  | 4.2  | 58        |
| 42 | AMP-Activated Protein Kinase $\alpha$ 1 but Not $\alpha$ 2 Catalytic Subunit Potentiates Myogenin Expression and Myogenesis. <i>Molecular and Cellular Biology</i> , 2013, 33, 4517-4525.   | 2.3  | 57        |
| 43 | Dietary alpha-ketoglutarate promotes beige adipogenesis and prevents obesity in middle-aged mice. <i>Aging Cell</i> , 2020, 19, e13059.   | 6.7  | 57        |
| 44 | Dandelion extract suppresses reactive oxidative species and inflammasome in intestinal epithelial cells. <i>Journal of Functional Foods</i> , 2017, 29, 10-18.  | 3.4  | 56        |
| 45 | Preventive effects of Goji berry on dextran-sulfate-sodium-induced colitis in mice. <i>Journal of Nutritional Biochemistry</i> , 2017, 40, 70-76.   | 4.2  | 56        |
| 46 | Beneficial Effects of <i>Potentilla discolor</i> Bunge Water Extract on Inflammatory Cytokines Release and Gut Microbiota in High-Fat Diet and Streptozotocin-Induced Type 2 Diabetic Mice. <i>Nutrients</i> , 2019, 11, 670.               | 4.1  | 56        |
| 47 | Purple Potato Extract Promotes Intestinal Epithelial Differentiation and Barrier Function by Activating AMP-Activated Protein Kinase. <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1700536.                                     | 3.3  | 55        |
| 48 | Skeletal Muscle Stem Cells from Animals I. <i>Basic Cell Biology</i> . <i>International Journal of Biological Sciences</i> , 2010, 6, 465-474.  | 6.4  | 53        |
| 49 | Molecular Factors Underlying the Deposition of Intramuscular Fat and Collagen in Skeletal Muscle of Nellore and Angus Cattle. <i>PLoS ONE</i> , 2015, 10, e0139943.   | 2.5  | 52        |
| 50 | Dietary red raspberries attenuate dextran sulfate sodium-induced acute colitis. <i>Journal of Nutritional Biochemistry</i> , 2018, 51, 40-46.   | 4.2  | 51        |
| 51 | Milk fat globule membrane supplementation modulates the gut microbiota and attenuates metabolic endotoxemia in high-fat diet-fed mice. <i>Journal of Functional Foods</i> , 2018, 47, 56-65.  | 3.4  | 51        |
| 52 | Maternal exercise via exerkine apelin enhances brown adipogenesis and prevents metabolic dysfunction in offspring mice. <i>Science Advances</i> , 2020, 6, eaaz0359.  | 10.3 | 51        |
| 53 | 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. <i>Applied Physiology, Nutrition and Metabolism</i> , 2007, 32, 1115-1123. | 1.9  | 50        |
| 54 | AMP-activated Protein Kinase Regulates $\beta$ -Catenin Transcription via Histone Deacetylase 5. <i>Journal of Biological Chemistry</i> , 2011, 286, 16426-16434.   | 3.4  | 50        |

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|----|--|------|-----------|
| 55 | bta-miR-23a involves in adipogenesis of progenitor cells derived from fetal bovine skeletal muscle. <i>Scientific Reports</i> , 2017, 7, 43716.  | 3.3  | 50        |
| 56 | Exercise prevents the adverse effects of maternal obesity on placental vascularization and fetal growth. <i>Journal of Physiology</i> , 2019, 597, 3333-3347.  | 2.9  | 50        |
| 57 | GR-mediated FTO transactivation induces lipid accumulation in hepatocytes via demethylation of m <sup>6</sup> A on lipogenic mRNAs. <i>RNA Biology</i> , 2020, 17, 930-942.  | 3.1  | 50        |
| 58 | CARDIAC-SPECIFIC OVEREXPRESSION OF CATALASE PROLONGS LIFESPAN AND ATTENUATES AGEING-INDUCED CARDIOMYOCYTE CONTRACTILE DYSFUNCTION AND PROTEIN DAMAGE. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2007, 34, 81-87.    | 1.9  | 48        |
| 59 | AMPK in regulation of apical junctions and barrier function of intestinal epithelium. <i>Tissue Barriers</i> , 2018, 6, 1-13.  | 3.2  | 47        |
| 60 | Maternal obesity induces gut inflammation and impairs gut epithelial barrier function in nonobese diabetic mice. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 758-764.   | 4.2  | 43        |
| 61 | Raspberry promotes brown and beige adipocyte development in mice fed high-fat diet through activation of AMP-activated protein kinase (AMPK) $\pm 1$ . <i>Journal of Nutritional Biochemistry</i> , 2018, 55, 157-164.                   | 4.2  | 43        |
| 62 | Compound C, an inhibitor of AMP-activated protein kinase, inhibits glycolysis in mouse longissimus dorsi postmortem. <i>Meat Science</i> , 2008, 78, 323-330.  | 5.5  | 41        |
| 63 | Change in interfacial properties of milk fat globules by homogenization and thermal processing plays a key role in their in vitro gastrointestinal digestion. <i>Food Hydrocolloids</i> , 2019, 96, 331-342.                             | 10.7 | 41        |
| 64 | Favourable effects of grape seed extract on intestinal epithelial differentiation and barrier function in IL10-deficient mice. <i>British Journal of Nutrition</i> , 2015, 114, 15-23.   | 2.3  | 40        |
| 65 | Raspberry Supplementation Improves Insulin Signaling and Promotes Brown-Like Adipocyte Development in White Adipose Tissue of Obese Mice. <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1701035.                              | 3.3  | 40        |
| 66 | Vitamin A administration at birth promotes calf growth and intramuscular fat development in Angus beef cattle. <i>Journal of Animal Science and Biotechnology</i> , 2018, 9, 55.   | 5.3  | 40        |
| 67 | A modified DSMC method for simulating gas-particle two-phase impinging streams. <i>Chemical Engineering Science</i> , 2011, 66, 4922-4931.   | 3.8  | 38        |
| 68 | Raspberry alleviates obesity-induced inflammation and insulin resistance in skeletal muscle through activation of AMP-activated protein kinase (AMPK) $\pm 1$ . <i>Nutrition and Diabetes</i> , 2018, 8, 39.                             | 3.2  | 38        |
| 69 | Prevention of breast cancer by dietary polyphenols—role of cancer stem cells. <i>Critical Reviews in Food Science and Nutrition</i> , 2020, 60, 810-825.   | 10.3 | 38        |
| 70 | Enhanced transforming growth factor- $\beta 2$ signaling and fibrogenesis in ovine fetal skeletal muscle of obese dams at late gestation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010, 298, E1254-E1260. | 3.5  | 37        |
| 71 | AMP-activated protein kinase mediates myogenin expression and myogenesis via histone deacetylase 5. <i>American Journal of Physiology - Cell Physiology</i> , 2013, 305, C887-C895.  | 4.6  | 37        |
| 72 | Host Inflammatory Response Inhibits Escherichia coli O157:H7 Adhesion to Gut Epithelium through Augmentation of Mucin Expression. <i>Infection and Immunity</i> , 2014, 82, 1921-1930.   | 2.2  | 37        |

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|----|---|-----|-----------|
| 73 | Bactericidal effects of Cinnamon cassia oil against bovine mastitis bacterial pathogens. <i>Food Control</i> , 2016, 66, 291-299.   | 5.5 | 37        |
| 74 | Role of leptin in the regulation of growth and carbohydrate metabolism in the ovine fetus during late gestation. <i>Journal of Physiology</i> , 2008, 586, 2393-2403.   | 2.9 | 36        |
| 75 | Sea cucumber peptides exert anti-inflammatory activity through suppressing NF- $\kappa$ B and MAPK and inducing HO-1 in RAW264.7 macrophages. <i>Food and Function</i> , 2016, 7, 2773-2779.  | 4.6 | 36        |
| 76 | Bovine $\beta$ -Lactalbumin Hydrolysates ( $\beta$ -LAH) Ameliorate Adipose Insulin Resistance and Inflammation in High-Fat Diet-Fed C57BL/6J Mice. <i>Nutrients</i> , 2018, 10, 242.   | 4.1 | 36        |
| 77 | The effect of dietary grape pomace supplementation on epididymal sperm quality and testicular antioxidant ability in ram lambs. <i>Theriogenology</i> , 2017, 97, 50-56.  | 2.1 | 35        |
| 78 | Optimizing livestock production efficiency through maternal nutritional management and fetal developmental programming. <i>Animal Frontiers</i> , 2017, 7, 5-11.  | 1.7 | 35        |
| 79 | Bovine $\beta$ -lactalbumin hydrolysates ameliorate obesity-associated endotoxemia and inflammation in high-fat diet-fed mice through modulation of gut microbiota. <i>Food and Function</i> , 2019, 10, 3368-3378.                                   | 4.6 | 34        |
| 80 | Even a low dose of tamoxifen profoundly induces adipose tissue browning in female mice. <i>International Journal of Obesity</i> , 2020, 44, 226-234.  | 3.4 | 34        |
| 81 | Relationship between Kinase Phosphorylation, Muscle Fiber Typing, and Glycogen Accumulation in <i>Longissimus</i> Muscle of Beef Cattle with High and Low Intramuscular Fat. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 9698-9703. | 5.2 | 33        |
| 82 | Retinoic acid inhibits white adipogenesis by disrupting GADD45A-mediated Zfp423 DNA demethylation. <i>Journal of Molecular Cell Biology</i> , 2017, 9, 338-349.   | 3.3 | 33        |
| 83 | Casein glycomacropptide-derived peptide IPPKKNQDKTE ameliorates high glucose-induced insulin resistance in HepG2 cells via activation of AMPK signaling. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600301.                            | 3.3 | 33        |
| 84 | 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. <i>Nutrients</i> , 2018, 10, 331.                                       | 4.1 | 33        |
| 85 | Maternal Obesity Enhances Collagen Accumulation and Cross-Linking in Skeletal Muscle of Ovine Offspring. <i>PLoS ONE</i> , 2012, 7, e31691.   | 2.5 | 33        |
| 86 | High glucose induces differentiation and adipogenesis in porcine muscle satellite cells via mTOR. <i>BMB Reports</i> , 2010, 43, 140-145.   | 2.4 | 33        |
| 87 | Maternal high-fat diet consumption enhances offspring susceptibility to DSS-induced colitis in mice. <i>Obesity</i> , 2017, 25, 901-908.  | 3.0 | 32        |
| 88 | Farm animals for studying muscle development and metabolism: dual purposes for animal production and human health. <i>Animal Frontiers</i> , 2019, 9, 21-27.  | 1.7 | 32        |
| 89 | High Temperature in Combination with UV Irradiation Enhances Horizontal Transfer of stx2 Gene from <i>E. coli</i> O157:H7 to Non-Pathogenic <i>E. coli</i> . <i>PLoS ONE</i> , 2012, 7, e31308.   | 2.5 | 31        |
| 90 | Adipose depots differ in cellularity, adipokines produced, gene expression, and cell systems. <i>Adipocyte</i> , 2014, 3, 236-241.  | 2.8 | 31        |

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|-----|---|-----|-----------|
| 91  | 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. <i>Nutrients</i> , 2020, 12, 220.        | 4.1 | 31        |
| 92  | AMP-activated protein kinase stimulates myostatin expression in C2C12 cells. <i>Biochemical and Biophysical Research Communications</i> , 2012, 427, 36-40.   | 2.1 | 30        |
| 93  | Maternal Retinoids Increase PDGFR $\beta$ <sup>+</sup> Progenitor Population and Beige Adipogenesis in Progeny by Stimulating Vascular Development. <i>EBioMedicine</i> , 2017, 18, 288-299.  | 6.1 | 30        |
| 94  | Effects of Cortisol and Dexamethasone on Insulin Signalling Pathways in Skeletal Muscle of the Ovine Fetus during Late Gestation. <i>PLoS ONE</i> , 2012, 7, e52363.  | 2.5 | 29        |
| 95  | Red raspberries suppress NLRP3 inflammasome and attenuate metabolic abnormalities in diet-induced obese mice. <i>Journal of Nutritional Biochemistry</i> , 2018, 53, 96-103.  | 4.2 | 29        |
| 96  | Exercise-induced myokines: a brief review of controversial issues of this decade. <i>Expert Review of Endocrinology and Metabolism</i> , 2018, 13, 51-58.   | 2.4 | 29        |
| 97  | Sulforaphane Prevents Hepatic Insulin Resistance by Blocking Serine Palmitoyltransferase 3-Mediated Ceramide Biosynthesis. <i>Nutrients</i> , 2019, 11, 1185.   | 4.1 | 29        |
| 98  | Sequencing and Characterization of Divergent Marbling Levels in the Beef Cattle (&i>&lt;i>Longissimus</i>) Tj ETQq0 0,0 rgBT /Oylock 10   | 2.4 | 29        |
| 99  | Grape seed extract prevents skeletal muscle wasting in interleukin 10 knockout mice. <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 162.   | 3.7 | 28        |
| 100 | Chromium (d-Phenylalanine) <sub>3</sub> alleviates high fat-induced insulin resistance and lipid abnormalities. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 58-62.  | 3.5 | 26        |
| 101 | Salt at concentrations relevant to meat processing enhances Shiga toxin 2 production in <i>Escherichia coli</i> O157:H7. <i>International Journal of Food Microbiology</i> , 2012, 159, 186-192.  | 4.7 | 26        |
| 102 | Effect of dietary Tartary buckwheat extract supplementation on growth performance, meat quality and antioxidant activity in ewe lambs. <i>Meat Science</i> , 2017, 134, 79-85.  | 5.5 | 26        |
| 103 | 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. <i>Food Chemistry</i> , 2010, 121, 191-195. | 8.2 | 25        |
| 104 | Enhanced adipogenesis in Mashen pigs compared with Large White pigs. <i>Italian Journal of Animal Science</i> , 2017, 16, 217-225.  | 1.9 | 23        |
| 105 | Casein Glycomacropeptide Hydrolysates Exert Cytoprotective Effect against Cellular Oxidative Stress by Up-Regulating HO-1 Expression in HepG2 Cells. <i>Nutrients</i> , 2017, 9, 31.  | 4.1 | 23        |
| 106 | Dietary Red Raspberry Reduces Colorectal Inflammation and Carcinogenic Risk in Mice with Dextran Sulfate Sodium-Induced Colitis. <i>Journal of Nutrition</i> , 2018, 148, 667-674.  | 2.9 | 23        |
| 107 | Casein glycomacropeptide hydrolysates inhibit PGE2 production and COX2 expression in LPS-stimulated RAW 264.7 macrophage cells via Akt mediated NF- $\kappa$ B and MAPK pathways. <i>Food and Function</i> , 2018, 9, 2524-2532.        | 4.6 | 23        |
| 108 | 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. <i>Food Chemistry</i> , 2019, 275, 59-68.                  | 8.2 | 23        |

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|-----|--|-----|-----------|
| 109 | Beneficial Effect of Potato Consumption on Gut Microbiota and Intestinal Epithelial Health. American Journal of Potato Research, 2019, 96, 170-176.  | 0.9 | 23        |
| 110 | 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        |
| 111 | Bovine $\hat{\pm}$ -lactalbumin hydrolysates ( $\hat{\pm}$ -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        |
| 112 | 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        |
| 113 | AMP-activated protein kinase (AMPK) $\hat{\pm}$ 2 subunit mediates glycolysis in postmortem skeletal muscle. Meat Science, 2013, 95, 536-541.  | 5.5 | 20        |
| 114 | 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        |
| 115 | AMPK $\hat{\pm}$ 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        |
| 116 | Comparison of carcass traits, meat quality and expressions of <i>MyHCs</i> in muscles between Mashen and Large White pigs. Italian Journal of Animal Science, 2019, 18, 1410-1418.   | 1.9 | 18        |
| 117 | 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        |
| 118 | Myostatin Attenuation In Vivo Reduces Adiposity, but Activates Adipogenesis. Endocrinology, 2016, 157, 282-291.  | 2.8 | 17        |
| 119 | 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        |
| 120 | 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        |
| 121 | Mast cell deficiency exacerbates inflammatory bowel symptoms in interleukin-10-deficient mice. World Journal of Gastroenterology, 2014, 20, 9106-15.   | 3.3 | 17        |
| 122 | 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        |
| 123 | Supplementation of polar lipids-enriched milk fat globule membrane in high-fat diet-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        |
| 124 | Chromium supplement inhibits skeletal muscle atrophy in hindlimb-suspended mice. Journal of Nutritional Biochemistry, 2009, 20, 992-999.   | 4.2 | 15        |
| 125 | Maternal obesity exacerbates insulinitis and type 1 diabetes in non-obese diabetic mice. Reproduction, 2014, 148, 73-79.   | 2.6 | 15        |
| 126 | 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        |



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|-----|---|-----|-----------|
| 127 | Quercetin Prevents Escherichia coli O157:H7 Adhesion to Epithelial Cells via Suppressing Focal Adhesions. <i>Frontiers in Microbiology</i> , 2018, 9, 3278.   | 3.5 | 15        |
| 128 | Prevention of obesity by dietary resveratrol: how strong is the evidence?. <i>Expert Review of Endocrinology and Metabolism</i> , 2015, 10, 561-564.  | 2.4 | 14        |
| 129 | Escherichia coli O157:H7 suppresses host autophagy and promotes epithelial adhesion via Tir-mediated and cAMP-independent activation of protein kinase A. <i>Cell Death Discovery</i> , 2017, 3, 17055.                                       | 4.7 | 14        |
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