Guo-wen Liu

List of Publications by Year
in descending order

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		186209	206029
84	2,644	28	48
papers	citations	h-index	g-index

85	85	85	2380
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Î²-Hydroxybutyrate impairs neutrophil migration distance through activation of a protein kinase C and myosin light chain 2 signaling pathway in ketotic cows. Journal of Dairy Science, 2022, 105, 761-771.	1.4	5
2	Increased adipose tissue lipolysis in dairy cows with fatty liver is associated with enhanced autophagy activity. Journal of Dairy Science, 2022, 105, 1731-1742.	1.4	5
3	Free fatty acids promote degranulation of azurophil granules in neutrophils by inducing production of NADPH oxidaseâ€“derived reactive oxygen species in cows with subclinical ketosis. Journal of Dairy Science, 2022, 105, 2473-2486.	1.4	4
4	Î²-Hydroxybutyrate impairs the release of bovine neutrophil extracellular traps through inhibiting phosphoinositide 3-kinaseâ€“mediated nicotinamide adenine dinucleotide phosphate oxidase reactive oxygen species production. Journal of Dairy Science, 2022, 105, 3405-3415.	1.4	5
5	Î²-Hydroxybutyrate inhibits apoptosis in bovine neutrophils through activating ERK1/2 and AKT signaling pathways. Journal of Dairy Science, 2022, 105, 3477-3489.	1.4	2
6	Activation of Transcription Factor EB Is Associated With Adipose Tissue Lipolysis in Dairy Cows With Subclinical Ketosis. Frontiers in Veterinary Science, 2022, 9, 816064.	0.9	0
7	Propionate alleviates fatty acidâ€“induced mitochondrial dysfunction, oxidative stress, and apoptosis by upregulating PPARG coactivator 1 alpha in hepatocytes. Journal of Dairy Science, 2022, 105, 4581-4592.	1.4	11
8	Overactivation of hepatic mechanistic target of rapamycin kinase complex 1 (mTORC1) is associated with low transcriptional activity of transcription factor EB and lysosomal dysfunction in dairy cows with clinical ketosis. Journal of Dairy Science, 2022, 105, 4520-4533.	1.4	4
9	Impaired autophagy aggravates oxidative stress in mammary gland of dairy cows with clinical ketosis. Journal of Dairy Science, 2022, , .	1.4	6
10	Activated autophagy-lysosomal pathway in dairy cows with hyperketonemia is associated with lipolysis of adipose tissues. Journal of Dairy Science, 2022, 105, 6997-7010.	1.4	2
11	Targeting IRE1Î± and PERK in the endoplasmic reticulum stress pathway attenuates fatty acid-induced insulin resistance in bovine hepatocytes. Journal of Dairy Science, 2022, 105, 6895-6908.	1.4	7
12	Low abundance of mitophagy markers is associated with reactive oxygen species overproduction in cows with fatty liver and causes reactive oxygen species overproduction and lipid accumulation in calf hepatocytes. Journal of Dairy Science, 2022, 105, 7829-7841.	1.4	6
13	Nuciferine improves high-fat diet-induced obesity via reducing intestinal permeability by increasing autophagy and remodeling the gut microbiota. Food and Function, 2021, 12, 5850-5861.	2.1	24
14	Hepatic autophagy and mitophagy status in dairy cows with subclinical and clinical ketosis. Journal of Dairy Science, 2021, 104, 4847-4857.	1.4	14
15	Inhibition of cell death inducing DNA fragmentation factor-Î±-like effector c (CIDEC) by tumor necrosis factor-Î± induces lipolysis and inflammation in calf adipocytes. Journal of Dairy Science, 2021, 104, 6134-6145.	1.4	7
16	Enhanced mitochondrial dysfunction and oxidative stress in the mammary gland of cows with clinical ketosis. Journal of Dairy Science, 2021, 104, 6909-6918.	1.4	33
17	Propionate alleviates palmitic acidâ€“induced endoplasmic reticulum stress by enhancing autophagy in calf hepatic cells. Journal of Dairy Science, 2021, 104, 9316-9326.	1.4	9
18	Disruption of endoplasmic reticulum homeostasis exacerbates liver injury in clinically ketotic cows. Journal of Dairy Science, 2021, 104, 9130-9141.	1.4	9

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19	Sirtuin 3 inhibits nuclear factor-Î¹B signaling activated by a fatty acid challenge in bovine mammary epithelial cells. Journal of Dairy Science, 2021, 104, 12871-12880.	1.4	7
20	Reducing hepatic endoplasmic reticulum stress ameliorates the impairment in insulin signaling induced by high levels of Î²-hydroxybutyrate in bovine hepatocytes. Journal of Dairy Science, 2021, 104, 12845-12858.	1.4	8
21	Autophagy Induced by Palmitic Acid Regulates Neutrophil Adhesion Through the Granule-Dependent Degradation of Î±MÎ²2 Integrin in Dairy Cows With Fatty Liver. Frontiers in Immunology, 2021, 12, 726829.	2.2	2
22	Free fatty acids impair autophagic activity and activate nuclear factor kappa B signaling and NLR family pyrin domain containing 3 inflammasome in calf hepatocytes. Journal of Dairy Science, 2021, 104, 11973-11982.	1.4	6
23	NEFA Promotes Autophagosome Formation through Modulating PERK Signaling Pathway in Bovine Hepatocytes. Animals, 2021, 11, 3400.	1.0	2
24	NEFAs Influence the Inflammatory and Insulin Signaling Pathways Through TLR4 in Primary Calf Hepatocytes in vitro. Frontiers in Veterinary Science, 2021, 8, 755505.	0.9	4
25	Nuclear Factor E2-Related Factor 2 Mediates Oxidative Stress-Induced Lipid Accumulation in Adipocytes by Increasing Adipogenesis and Decreasing Lipolysis. Antioxidants and Redox Signaling, 2020, 32, 173-192.	2.5	36
26	Potential hemo-biological identification markers to the left displaced abomasum in dairy cows. BMC Veterinary Research, 2020, 16, 470.	0.7	9
27	Potential Role of SLC5A8 Expression in the Etiology of Subacute Ruminal Acidosis. Frontiers in Veterinary Science, 2020, 7, 394.	0.9	6
28	Sirtuin 3 improves fatty acid metabolism in response to high nonesterified fatty acids in calf hepatocytes by modulating gene expression. Journal of Dairy Science, 2020, 103, 6557-6568.	1.4	11
29	Non-esterified Fatty Acid Induce Dairy Cow Hepatocytes Apoptosis via the Mitochondria-Mediated ROS-JNK/ERK Signaling Pathway. Frontiers in Cell and Developmental Biology, 2020, 8, 245.	1.8	35
30	Short communication: Enhanced autophagy activity in liver tissue of dairy cows with mild fatty liver. Journal of Dairy Science, 2020, 103, 3628-3635.	1.4	10
31	Gentiopicroside Ameliorates Oxidative Stress and Lipid Accumulation through Nuclear Factor Erythroid 2-Related Factor 2 Activation. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-13.	1.9	35
32	Chicoric acid ameliorate inflammation and oxidative stress in Lipopolysaccharide and <scp>d</scp>â€galactosamine induced acute liver injury. Journal of Cellular and Molecular Medicine, 2020, 24, 3022-3033.	1.6	32
33	Increased autophagy mediates the adaptive mechanism of the mammary gland in dairy cows with hyperketonemia. Journal of Dairy Science, 2020, 103, 2545-2555.	1.4	20
34	Cyanidinâ€3â€Oâ€glucoside improves nonâ€alcoholic fatty liver disease by promoting PINK1â€mediated mitophagy in mice. British Journal of Pharmacology, 2020, 177, 3591-3607.	2.7	68
35	High levels of fatty acids inhibit Î²-casein synthesis through suppression of the JAK2/STAT5 and mTOR signaling pathways in mammary epithelial cells of cows with clinical ketosis. Journal of Dairy Research, 2020, 87, 212-219.	0.7	6
36	Geniposide alleviates nonâ€alcohol fatty liver disease via regulating Nrf2/AMPK/mTOR signalling pathways. Journal of Cellular and Molecular Medicine, 2020, 24, 5097-5108.	1.6	66

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37	Low abundance of mitofusin 2 in dairy cows with moderate fatty liver is associated with alterations in hepatic lipid metabolism. Journal of Dairy Science, 2019, 102, 7536-7547.	1.4	17
38	Hepatic nuclear factor kappa B signaling pathway and NLR family pyrin domain containing 3 inflammasome is over-activated in ketotic dairy cows. Journal of Dairy Science, 2019, 102, 10554-10563.	1.4	34
39	Fatty acid-induced endoplasmic reticulum stress promoted lipid accumulation in calf hepatocytes, and endoplasmic reticulum stress existed in the liver of severe fatty liver cows. Journal of Dairy Science, 2019, 102, 7359-7370.	1.4	49
40	Berberine inhibits lipopolysaccharide-induced expression of inflammatory cytokines by suppressing TLR4-mediated NF-Â B and MAPK signaling pathways in rumen epithelial cells of Holstein calves. Journal of Dairy Research, 2019, 86, 171-176.	0.7	26
41	Adipose tissue proteomic analysis in ketotic or healthy Holstein cows in early lactation1. Journal of Animal Science, 2019, 97, 2837-2849.	0.2	28
42	Effect of heat-shock protein B7 on oxidative stress in adipocytes from preruminant calves. Journal of Dairy Science, 2019, 102, 5673-5685.	1.4	20
43	All-trans retinoic acid inhibits lipopolysaccharide-induced inflammatory responses in bovine adipocytes via TGFÎ²1/Smad3 signaling pathway. BMC Veterinary Research, 2019, 15, 48.	0.7	16
44	The effects of non-esterified fatty acids and Î²-hydroxybutyrate on the hepatic CYP2E1 in cows with clinical ketosis. Journal of Dairy Research, 2019, 86, 68-72.	0.7	5
45	Expression patterns of hepatic genes involved in lipid metabolism in cows with subclinical or clinical ketosis. Journal of Dairy Science, 2019, 102, 1725-1735.	1.4	50
46	Glucagon attenuates lipid accumulation in cow hepatocytes through AMPK signaling pathway activation. Journal of Cellular Physiology, 2019, 234, 6054-6066.	2.0	15
47	Perilipin 5 promotes hepatic steatosis in dairy cows through increasing lipid synthesis and decreasing very low density lipoprotein assembly. Journal of Dairy Science, 2019, 102, 833-845.	1.4	19
48	High expression of cell death-inducing DFFA-like effector a (CIDEA) promotes milk fat content in dairy cows with clinical ketosis. Journal of Dairy Science, 2019, 102, 1682-1692.	1.4	29
49	Subacute ruminal acidosis suppressed the expression of MCT1 in rumen of cows. Journal of Cellular Physiology, 2019, 234, 11734-11745.	2.0	11
50	NEFAâ€induced ROS impaired insulin signalling through the JNK and p38MAPK pathways in nonâ€alcoholic steatohepatitis. Journal of Cellular and Molecular Medicine, 2018, 22, 3408-3422.	1.6	63
51	High concentrations of fatty acids and Î²-hydroxybutyrate impair the growth hormone-mediated hepatic JAK2-STAT5 pathway in clinically ketotic cows. Journal of Dairy Science, 2018, 101, 3476-3487.	1.4	98
52	Hepatic miRâ€125b inhibits insulin signaling pathway by targeting PIK3CD. Journal of Cellular Physiology, 2018, 233, 6052-6066.	2.0	34
53	Nobiletin alleviates palmitic acidâ€induced NLRP3 inflammasome activation in a sirtuin 1â€dependent manner in AMLâ€12 cells. Molecular Medicine Reports, 2018, 18, 5815-5822.	1.1	11
54	Impaired hepatic autophagic activity in dairy cows with severe fatty liver is associated with inflammation and reduced liver function. Journal of Dairy Science, 2018, 101, 11175-11185.	1.4	32

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55	Insulin suppresses the AMPK signaling pathway to regulate lipid metabolism in primary cultured hepatocytes of dairy cows. Journal of Dairy Research, 2018, 85, 157-162.	0.7	15
56	Non-Esterified Fatty Acids Over-Activate the TLR2/4-NF-Îšb Signaling Pathway to Increase Inflammatory Cytokine Synthesis in Neutrophils from Ketotic Cows. Cellular Physiology and Biochemistry, 2018, 48, 827-837.	1.1	31
57	Magnolol Alleviates Inflammatory Responses and Lipid Accumulation by AMP-Activated Protein Kinase-Dependent Peroxisome Proliferator-Activated Receptor Î± Activation. Frontiers in Immunology, 2018, 9, 147.	2.2	28
58	Perilipin 1 Mediates Lipid Metabolism Homeostasis and Inhibits Inflammatory Cytokine Synthesis in Bovine Adipocytes. Frontiers in Immunology, 2018, 9, 467.	2.2	38
59	Berberine Protects against NEFA-Induced Impairment of Mitochondrial Respiratory Chain Function and Insulin Signaling in Bovine Hepatocytes. International Journal of Molecular Sciences, 2018, 19, 1691.	1.8	16
60	Ultrasonographic findings in cows with left displacement of abomasum, before and after reposition surgery. BMC Veterinary Research, 2018, 14, 44.	0.7	8
61	Inflammatory mechanism of Rumenitis in dairy cows with subacute ruminal acidosis. BMC Veterinary Research, 2018, 14, 135.	0.7	83
62	Adaptations of hepatic lipid metabolism and mitochondria in dairy cows with mild fatty liver. Journal of Dairy Science, 2018, 101, 9544-9558.	1.4	64
63	Acetoacetate induces hepatocytes apoptosis by the ROSâ€mediated MAPKs pathway in ketotic cows. Journal of Cellular Physiology, 2017, 232, 3296-3308.	2.0	139
64	Elevated Apoptosis in the Liver of Dairy Cows with Ketosis. Cellular Physiology and Biochemistry, 2017, 43, 568-578.	1.1	99
65	Histamine Induces Bovine Rumen Epithelial Cell Inflammatory Response via NF-ÎºB Pathway. Cellular Physiology and Biochemistry, 2017, 42, 1109-1119.	1.1	106
66	Upregulation of miR-181a impairs hepatic glucose and lipid homeostasis. Oncotarget, 2017, 8, 91362-91378.	0.8	36
67	SREBPâ€1c increases the hepatic inflammatory response in dairy cows with fatty liver through ROSâ€mediated NFâ€ÎºB pathway. FASEB Journal, 2017, 31, 804.4.	0.2	0
68	Alpha-lipoic acid attenuates endoplasmic reticulum stress-induced insulin resistance by improving mitochondrial function in HepG2 cells. Cellular Signalling, 2016, 28, 1441-1450.	1.7	30
69	Acetoacetic acid induces oxidative stress to inhibit the assembly of very low density lipoprotein in bovine hepatocytes. Journal of Dairy Research, 2016, 83, 442-446.	0.7	17
70	High levels of acetoacetate and glucose increase expression of cytokines in bovine hepatocytes, through activation of the NF-ÎºB signalling pathway. Journal of Dairy Research, 2016, 83, 51-57.	0.7	22
71	Î²-Hydroxybutyrate induces bovine hepatocyte apoptosis via an ROS-p38 signaling pathway. Journal of Dairy Science, 2016, 99, 9184-9198.	1.4	148
72	Effects of insulin-like growth factor-1 on the assembly and secretion of very low-density lipoproteins in cow hepatocytes in vitro. General and Comparative Endocrinology, 2016, 226, 82-87.	0.8	5

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73	BHBA Influences Bovine Hepatic Lipid Metabolism via AMPK Signaling Pathway. Journal of Cellular Biochemistry, 2015, 116, 1070-1079.	1.2	28
74	SREBP-1c overactivates ROS-mediated hepatic NF-ÎºB inflammatory pathway in dairy cows with fatty liver. Cellular Signalling, 2015, 27, 2099-2109.	1.7	97
75	NEFAs activate the oxidative stress-mediated NF-ÎºB signaling pathway to induce inflammatory response in calf hepatocytes. Journal of Steroid Biochemistry and Molecular Biology, 2015, 145, 103-112.	1.2	80
76	BHBA Suppresses LPS-Induced Inflammation in BV-2 Cells by Inhibiting NF-ÎºB Activation. Mediators of Inflammation, 2014, 2014, 1-12.	1.4	110
77	ï¿½-Hydroxybutyrate Activates the NF-ÎºB Signaling Pathway to Promote the Expression of Pro-Inflammatory Factors in Calf Hepatocytes. Cellular Physiology and Biochemistry, 2014, 33, 920-932.	1.1	89
78	Non-esterified fatty acids activate the ROSâ€“p38â€“p53/Nrf2 signaling pathway to induce bovine hepatocyte apoptosis in vitro. Apoptosis: an International Journal on Programmed Cell Death, 2014, 19, 984-997.	2.2	75
79	SREBP-1c overexpression induces triglycerides accumulation through increasing lipid synthesis and decreasing lipid oxidation and VLDL assembly in bovine hepatocytes. Journal of Steroid Biochemistry and Molecular Biology, 2014, 143, 174-182.	1.2	78
80	Effects of nonesterified fatty acids on the synthesis and assembly of very low density lipoprotein in bovine hepatocytes in vitro. Journal of Dairy Science, 2014, 97, 1328-1335.	1.4	45
81	High-Energy Diet at Antepartum Decreases Insulin Receptor Gene Expression in Adipose Tissue of Postpartum Dairy Cows. Bulletin of the Veterinary Institute in Pulawy = Biuletyn Instytutu Weterynarii W Pulawach, 2013, 57, 203-207.	0.4	5
82	An updated method for the isolation and culture of primary calf hepatocytes. Veterinary Journal, 2012, 191, 323-326.	0.6	29
83	Effects of non-esterified fatty acids on the gluconeogenesis in bovine hepatocytes. Molecular and Cellular Biochemistry, 2012, 359, 385-388.	1.4	28
84	High Insulin Concentrations Repress Insulin Receptor Gene Expression in Calf Hepatocytes Cultured <i>in Vitro</i>. Cellular Physiology and Biochemistry, 2011, 27, 637-640.	1.1	18