

Xiu-Qi Wang

List of Publications by Year in descending order

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49
papers

997
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304368

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500791

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49
times ranked

826
citing authors

#	ARTICLE	IF	CITATIONS
1	Morin hydrate: A comprehensive review on novel natural dietary bioactive compound with versatile biological and pharmacological potential. <i>Biomedicine and Pharmacotherapy</i> , 2021, 138, 111511.	2.5	67
2	Acute exposure to deoxynivalenol inhibits porcine enteroid activity via suppression of the Wnt/ β -catenin pathway. <i>Toxicology Letters</i> , 2019, 305, 19-31.	0.4	55
3	Heat stress inhibits proliferation, promotes growth, and induces apoptosis in cultured Lantang swine skeletal muscle satellite cells. <i>Journal of Zhejiang University: Science B</i> , 2015, 16, 549-559.	1.3	42
4	Methionine and Its Hydroxyl Analogues Improve Stem Cell Activity To Eliminate Deoxynivalenol-Induced Intestinal Injury by Reactivating Wnt/ β -Catenin Signaling. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 11464-11473.	2.4	41
5	Osimertinib (AZD9291), a Mutant-Selective EGFR Inhibitor, Reverses ABCB1-Mediated Drug Resistance in Cancer Cells. <i>Molecules</i> , 2016, 21, 1236.	1.7	37
6	Wnt/ β -catenin-mediated heat exposure inhibits intestinal epithelial cell proliferation and stem cell expansion through endoplasmic reticulum stress. <i>Journal of Cellular Physiology</i> , 2020, 235, 5613-5627.	2.0	35
7	Notch Signaling in Mammalian Intestinal Stem Cells: Determining Cell Fate and Maintaining Homeostasis. <i>Current Stem Cell Research and Therapy</i> , 2019, 14, 583-590.	0.6	35
8	mTORC1 Mediates Lysine-Induced Satellite Cell Activation to Promote Skeletal Muscle Growth. <i>Cells</i> , 2019, 8, 1549.	1.8	34
9	CDX2 Stimulates the Proliferation of Porcine Intestinal Epithelial Cells by Activating the mTORC1 and Wnt/ β -Catenin Signaling Pathways. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2447.	1.8	31
10	Hydrolyzed wheat gluten alleviates deoxynivalenol-induced intestinal injury by promoting intestinal stem cell proliferation and differentiation via upregulation of Wnt/ β -catenin signaling in mice. <i>Food and Chemical Toxicology</i> , 2019, 131, 110579.	1.8	31
11	Zinc L-Aspartate enhances intestinal stem cell activity to protect the integrity of the intestinal mucosa against deoxynivalenol through activation of the Wnt/ β -catenin signaling pathway. <i>Environmental Pollution</i> , 2020, 262, 114290.	3.7	30
12	The Differential Proliferative Ability of Satellite Cells in Lantang and Landrace Pigs. <i>PLoS ONE</i> , 2012, 7, e32537.	1.1	27
13	Effects of dietary lysine levels on apparent nutrient digestibility and cationic amino acid transporter mRNA abundance in the small intestine of finishing pigs, <i>Sus scrofa</i> . <i>Animal Science Journal</i> , 2012, 83, 148-155.	0.6	27
14	LGR5 and BMI1 Increase Pig Intestinal Epithelial Cell Proliferation by Stimulating WNT/ β -Catenin Signaling. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1036.	1.8	26
15	Intestinal Models for Personalized Medicine: from Conventional Models to Microfluidic Primary Intestine-on-a-chip. <i>Stem Cell Reviews and Reports</i> , 2022, 18, 2137-2151.	1.7	26
16	Lycopene Protects Intestinal Epithelium from Deoxynivalenol-Induced Oxidative Damage via Regulating Keap1/Nrf2 Signaling. <i>Antioxidants</i> , 2021, 10, 1493.	2.2	26
17	EAAT3 promotes amino acid transport and proliferation of porcine intestinal epithelial cells. <i>Oncotarget</i> , 2016, 7, 38681-38692.	0.8	25
18	Extracellular Glutamate-Induced mTORC1 Activation via the IR/IRS/PI3K/Akt Pathway Enhances the Expansion of Porcine Intestinal Stem Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 9510-9521.	2.4	25

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19	Focal adhesion kinase and paxillin promote migration and adhesion to fibronectin by swine skeletal muscle satellite cells. <i>Oncotarget</i> , 2016, 7, 30845-30854.	0.8	24
20	Dietary Supplementation with Pioglitazone Hydrochloride and Chromium Methionine Improves Growth Performance, Meat Quality, and Antioxidant Ability in Finishing Pigs. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 4345-4351.	2.4	23
21	Effects of pioglitazone hydrochloride and vitamin E on meat quality, antioxidant status and fatty acid profiles in finishing pigs. <i>Meat Science</i> , 2018, 145, 340-346.	2.7	23
22	Effects of Dietary Supplementation with dl-Methionine and dl-Methionyl-dl-Methionine in Breeding Pigeons on the Carcass Characteristics, Meat Quality and Antioxidant Activity of Squabs. <i>Antioxidants</i> , 2019, 8, 435.	2.2	22
23	mTORC1 signaling activation increases intestinal stem cell activity and promotes epithelial cell proliferation. <i>Journal of Cellular Physiology</i> , 2019, 234, 19028-19038.	2.0	22
24	Glutamate drives porcine intestinal epithelial renewal by increasing stem cell activity via upregulation of the EGFR-ERK-mTORC1 pathway. <i>Food and Function</i> , 2020, 11, 2714-2724.	2.1	22
25	Regulation of mTORC1 by Small GTPases in Response to Nutrients. <i>Journal of Nutrition</i> , 2020, 150, 1004-1011.	1.3	20
26	Changes in relative organ weights and intestinal transporter gene expression in embryos from white Plymouth Rock and WENS Yellow Feather Chickens. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2013, 164, 368-375.	0.8	19
27	Carnosine Protects Against Deoxynivalenol-Induced Oxidative Stress in Intestinal Stem Cells by Regulating the Keap1/Nrf2 Signaling Pathway. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2100406.	1.5	19
28	Low Dose of IGF1 Increases Cell Size of Skeletal Muscle Satellite Cells Via Akt/S6K Signaling Pathway. <i>Journal of Cellular Biochemistry</i> , 2015, 116, 2637-2648.	1.2	18
29	Growth of embryo and gene expression of nutrient transporters in the small intestine of the domestic pigeon (<i>Columba livia</i>). <i>Journal of Zhejiang University: Science B</i> , 2015, 16, 511-523.	1.3	17
30	Heat-stable enterotoxin inhibits intestinal stem cell expansion to disrupt the intestinal integrity by downregulating the Wnt/ β 2-catenin pathway. <i>Stem Cells</i> , 2021, 39, 482-496.	1.4	17
31	Methionine promotes crop milk protein synthesis through the JAK2-STAT5 signaling during lactation of domestic pigeons (<i>Columba livia</i>). <i>Food and Function</i> , 2020, 11, 10786-10798.	2.1	12
32	Lauric acid alleviates deoxynivalenol-induced intestinal stem cell damage by potentiating the Akt/mTORC1/S6K1 signaling axis. <i>Chemico-Biological Interactions</i> , 2021, 348, 109640.	1.7	12
33	mTORC1-Mediated Satellite Cell Differentiation Is Required for Lysine-Induced Skeletal Muscle Growth. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 4884-4892.	2.4	11
34	The in ovo injection of methionine improves intestinal cell proliferation and differentiation in chick embryos by activating the JAK2/STAT3 signaling pathway. <i>Animal Nutrition</i> , 2021, 7, 1031-1038.	2.1	11
35	Lysine inhibits apoptosis in satellite cells to govern skeletal muscle growth via the JAK2-STAT3 pathway. <i>Food and Function</i> , 2020, 11, 3941-3951.	2.1	10
36	Differentiation capacities of skeletal muscle satellite cells in Lantang and Landrace piglets. <i>Oncotarget</i> , 2017, 8, 43192-43200.	0.8	9

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37	Lysine-induced swine satellite cell migration is mediated by the FAK pathway. <i>Food and Function</i> , 2019, 10, 583-591.	2.1	8
38	DL-methionine and DL-methionyl-DL-methionine increase intestinal development and activate Wnt/ β -catenin signaling activity in domestic pigeons (<i>Columba livia</i>). <i>Poultry Science</i> , 2022, 101, 101644.	1.5	8
39	Impaired intestinal stem cell activity in ETEC infection: enterotoxins, cyclic nucleotides, and Wnt signaling. <i>Archives of Toxicology</i> , 2022, 96, 1213-1225.	1.9	8
40	Effect of Dietary Supplementation with Hydrolyzed Wheat Gluten on Growth Performance, Cell Immunity and Serum Biochemical Indices of Weaned Piglets (<i>Sus scrofa</i>). <i>Agricultural Sciences in China</i> , 2011, 10, 938-945.	0.6	7
41	CDX2 increases SLC7A7 expression and proliferation of pig intestinal epithelial cells. <i>Oncotarget</i> , 2016, 7, 30597-30609.	0.8	7
42	Signaling Network Centered on mTORC1 Dominates Mammalian Intestinal Stem Cell Ageing. <i>Stem Cell Reviews and Reports</i> , 2021, 17, 842-849.	1.7	6
43	Evaluation of adrenocorticotropin regulated glucocorticoid synthesis pathway in adrenal of different breeds of pigs. <i>Livestock Science</i> , 2014, 169, 185-191.	0.6	5
44	Dietary supplementation with pioglitazone hydrochloride and chromium methionine manipulates lipid metabolism with related genes to improve the intramuscular fat and fatty acid profile of yellow-feathered chickens. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 1311-1319.	1.7	5
45	Molecular Signaling and Nutritional Regulation in the Context of Poultry Feather Growth and Regeneration. <i>Frontiers in Physiology</i> , 2019, 10, 1609.	1.3	5
46	Satellite cells isolated from skeletal muscle will proliferate faster in WENS yellow feather chicks. <i>Animal Science Journal</i> , 2016, 87, 126-133.	0.6	3
47	Lysine Interacts with Frizzled7 to Activate β -Catenin in Satellite Cell-Participated Skeletal Muscle Growth. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 3745-3756.	2.4	2
48	Dietary supplementation with pioglitazone hydrochloride improves intramuscular fat, fatty acid profile, and antioxidant ability of thigh muscle in yellow-feathered chickens. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 665-671.	1.7	1
49	Iturin A Rescued STb-R-Induced Pork Skeletal Muscle Growth Restriction through the Hypothalamic-Pituitary-mTORC1 Growth Axis. <i>Animals</i> , 2022, 12, 1568.	1.0	1