Xiang-hua Yan

List of Publications by Year
in descending order

32 papers	5,720 citations	623734 14 h-index	414414 32 g-index
32 all docs	32 docs citations	32 times ranked	14662 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	A Microbiota-Derived Bacteriocin Targets the Host to Confer Diarrhea Resistance in Early-Weaned Piglets. Cell Host and Microbe, 2018, 24, 817-832.e8.	11.0	184
3	Gradual Changes of Gut Microbiota in Weaned Miniature Piglets. Frontiers in Microbiology, 2016, 7, 1727.	3.5	164
4	MiR-20a and miR-106b negatively regulate autophagy induced by leucine deprivation via suppression of ULK1 expression in C2C12 myoblasts. Cellular Signalling, 2012, 24, 2179-2186.	3.6	126
5	Cross-talk between bile acids and intestinal microbiota in host metabolism and health. Journal of Zhejiang University: Science B, 2015, 16, 436-446.	2.8	91
6	Lactobacillus frumenti Facilitates Intestinal Epithelial Barrier Function Maintenance in Early-Weaned Piglets. Frontiers in Microbiology, 2018, 9, 897.	3.5	60
7	Leucine reduces reactive oxygen species levels via an energy metabolism switch by activation of the mTOR-HIF-1Î± pathway in porcine intestinal epithelial cells. International Journal of Biochemistry and Cell Biology, 2017, 89, 42-56.	2.8	45
8	Standardized Preparation for Fecal Microbiota Transplantation in Pigs. Frontiers in Microbiology, 2018, 9, 1328.	3.5	42
9	Biomedical Application of Functional Materials in Organ-on-a-Chip. Frontiers in Bioengineering and Biotechnology, 2020, 8, 823.	4.1	40
10	Hen protein-derived peptides as the blockers of human bitter taste receptors T2R4, T2R7 and T2R14. Food Chemistry, 2019, 283, 621-627.	8.2	39
11	The mammalian target of rapamycin pathway and its role in molecular nutrition regulation. Molecular Nutrition and Food Research, 2008, 52, 393-399.	3.3	21
12	Reconstitution of leucine-mediated autophagy via the mTORC1-Barkor pathway in vitro. Autophagy, 2012, 8, 213-221.	9.1	20
13	Sensors for the mTORC1 pathway regulated by amino acids. Journal of Zhejiang University: Science B, 2019, 20, 699-712.	2.8	17
14	Lactobacillus frumentiimproves antioxidant capacityvianitric oxide synthase 1 in intestinal epithelial cells. FASEB Journal, 2019, 33, 10705-10716.	0.5	17
15	Comparative Proteomics Analysis Reveals L-Arginine Activates Ethanol Degradation Pathways in HepG2 Cells. Scientific Reports, 2016, 6, 23340.	3.3	15
16	Recent advances in droplet microfluidics for microbiology. Chinese Chemical Letters, 2022, 33, 1729-1742.	9.0	15
17	The Fatty Acid Î²-Oxidation Pathway is Activated by Leucine Deprivation in HepG2 Cells: A Comparative Proteomics Study. Scientific Reports, 2017, 7, 1914.	3.3	14
18	Multi-omics analysis reveals gut microbiota-induced intramuscular fat deposition via regulating expression of lipogenesis-associated genes. Animal Nutrition, 2022, 9, 84-99.	5.1	14

#	Article	IF	Citations
19	Lactobacillus gasseri LA39 Activates the Oxidative Phosphorylation Pathway in Porcine Intestinal Epithelial Cells. Frontiers in Microbiology, 2018, 9, 3025.	3.5	12
20	Proteomic profiling reveals oxidative phosphorylation pathway is suppressed in longissimus dorsi muscle of weaned piglets fed low-protein diet supplemented with limiting amino acids. International Journal of Biochemistry and Cell Biology, 2016, 79, 288-297.	2.8	11
21	Quantitative proteomics analysis reveals glutamine deprivation activates fatty acid Î²-oxidation pathway in HepG2 cells. Amino Acids, 2016, 48, 1297-1307.	2.7	11
22	Dietary Supplementation of Îµ-Polylysine Beneficially Affects Ileal Microbiota Structure and Function in Ningxiang Pigs. Frontiers in Microbiology, 2020, 11, 544097.	3.5	11
23	Integrated analysis of multi-tissues lipidome and gut microbiome reveals microbiota-induced shifts on lipid metabolism in pigs. Animal Nutrition, 2022, 10, 280-293.	5.1	10
24	PFKP facilitates ATG4B phosphorylation during amino acid deprivation-induced autophagy. Cellular Signalling, 2021, 82, 109956.	3.6	7
25	Ribosomal proteomics: Strategies, approaches, and perspectives. Biochimie, 2015, 113, 69-77.	2.6	6
26	Gut microbiota contributes to the development of endometrial glands in gilts during the ovary-dependent period. Journal of Animal Science and Biotechnology, 2021, 12, 57.	5.3	5
27	KAT7-mediated CANX (calnexin) crotonylation regulates leucine-stimulated MTORC1 activity. Autophagy, 2022, 18, 2799-2816.	9.1	5
28	Dietary Îµ-Polylysine Affects on Gut Microbiota and Plasma Metabolites Profiling in Mice. Frontiers in Nutrition, 2022, 9, 842686.	3.7	5
29	Molecular nutrition: basic understanding of the digestion, absorption, and metabolism of nutrients. Journal of Zhejiang University: Science B, 2015, 16, 413-416.	2.8	4
30	Lactobacillus frumenti mediates energy production via fatty acid Î²-oxidation in the liver of early-weaned piglets. Journal of Animal Science and Biotechnology, 2019, 10, 95.	5.3	3
31	The Role of Autophagy in the Gut Pathogens Clearance and Evasion. Current Protein and Peptide Science, 2015, 16, 632-645.	1.4	3
32	Mechanisms of Selective Autophagy. Advances in Experimental Medicine and Biology, 2021, 1208, 79-98.	1.6	2