Ming Z Fan

List of Publications by Year
in descending order

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32 papers	1,573 citations	331670 21 h-index	454955 30 g-index
33 all docs	33 docs citations	33 times ranked	1465 citing authors

#	Article	IF	Citations
1	Pigs expressing salivary phytase produce low-phosphorus manure. Nature Biotechnology, 2001, 19, 741-745.	17.5	340
2	Novel Methodology Allows Simultaneous Measurement of True Phosphorus Digestibility and the Gastrointestinal Endogenous Phosphorus Outputs in Studies with Pigs. Journal of Nutrition, 2001, 131, 2388-2396.	2.9	103
3	Guar gum and similar soluble fibers in the regulation of cholesterol metabolism: Current understandings and future research priorities. Vascular Health and Risk Management, 2008, Volume 4, 1023-1033.	2.3	99
4	Dietary Plasma Protein Reduces Small Intestinal Growth and Lamina Propria Cell Density in Early Weaned Pigs. Journal of Nutrition, 2000, 130, 21-26.	2.9	94
5	Antioxidative Stress Activity of Oligophosphopeptides Derived from Hen Egg Yolk Phosvitin in Caco-2 Cells. Journal of Agricultural and Food Chemistry, 2006, 54, 773-778.	5.2	91
6	Early Weaning Reduces Small Intestinal Alkaline Phosphatase Expression in Pigs. Journal of Nutrition, 2010, 140, 461-468.	2.9	89
7	Enteral nutrient intake level determines intestinal protein synthesis and accretion rates in neonatal pigs. American Journal of Physiology - Renal Physiology, 2000, 279, G288-G294.	3.4	69
8	Expression of apical membranel-glutamate transporters in neonatal porcine epithelial cells along the small intestinal crypt-villus axis. American Journal of Physiology - Renal Physiology, 2004, 287, G385-G398.	3.4	66
9	Oligophosphopeptides Derived from Egg Yolk Phosvitin Up-regulate Î³-Glutamylcysteine Synthetase and Antioxidant Enzymes against Oxidative Stress in Caco-2 Cells. Journal of Agricultural and Food Chemistry, 2007, 55, 2829-2835.	5.2	64
10	Egg Yolk Peptides Up-regulate Glutathione Synthesis and Antioxidant Enzyme Activities in a Porcine Model of Intestinal Oxidative Stress. Journal of Agricultural and Food Chemistry, 2010, 58, 7624-7633.	5.2	61
11	Use of the Regression Analysis Technique to Determine the True Phosphorus Digestibility and the Endogenous Phosphorus Output Associated with Corn in Growing Pigs. Journal of Nutrition, 2002, 132, 1199-1206.	2.9	52
12	Nutrient utilisation and intestinal fermentation are differentially affected by the consumption of resistant starch varieties and conventional fibres in pigs. British Journal of Nutrition, 2008, 99, 984-992.	2.3	43
13	Resistance patterns and detection of aac(3)-IV gene in apramycin-resistant Escherichia coli isolated from farm animals and farm workers in northeastern of China. Research in Veterinary Science, 2009, 87, 449-454.	1.9	40
14	Effects of dietary supplementation of cysteamine on growth performance, carcass quality, serum hormones and gastric ulcer in finishing pigs. Journal of the Science of Food and Agriculture, 2005, 85, 1947-1952.	3.5	34
15	Fractional Protein Synthesis Rates Measured by an Intraperitoneal Injection of a Flooding Dose of L-[ring-2H5]Phenylalanine in Pigs. Journal of Nutrition, 2004, 134, 2722-2728.	2.9	33
16	Determination of True Ileal Amino Acid Digestibility in Feedstuffs for Pigs with the Linear Relationships between Distal Ileal Outputs and Dietary Inputs of Amino Acids. Journal of the Science of Food and Agriculture, 1997, 73, 189-199.	3.5	32
17	Guar Gum Consumption Increases Hepatic Nuclear SREBP2 and LDL Receptor Expression in Pigs Fed an Atherogenic Diet. Journal of Nutrition, 2007, 137, 568-572.	2.9	32
18	Postnatal ontogeny of kinetics of porcine jejunal brush border membrane-bound alkaline phosphatase, aminopeptidase N and sucrase activities. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2002, 132, 599-607.	1.8	29

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19	Apical Na⁺-<scp>d</scp>-glucose cotransporter 1 (SGLT1) activity and protein abundance are expressed along the jejunal crypt-villus axis in the neonatal pig. American Journal of Physiology - Renal Physiology, 2011, 300, G60-G70.	3.4	28
20	Kinetic analysis of l-glutamine transport into porcine jejunal enterocyte brush-border membrane vesicles. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 1998, 121, 411-422.	1.8	25
21	Methodological Aspects of Measuring Phytase Activity and Phytate Phosphorus Content in Selected Cereal Grains and Digesta and Feces of Pigs. Journal of Agricultural and Food Chemistry, 2005, 53, 853-859.	5.2	23
22	Oral IGF-I Alters the Posttranslational Processing but Not the Activity of Lactase-Phlorizin Hydrolase in Formula-Fed Neonatal Pigs. Journal of Nutrition, 2001, 131, 2235-2241.	2.9	20
23	A processive endoglucanase with multi-substrate specificity is characterized from porcine gut microbiota. Scientific Reports, 2019, 9, 13630.	3.3	20
24	Nutrient utilisation in response to dietary supplementation of chicory inulin in growing pigs. Journal of the Science of Food and Agriculture, 2004, 84, 1005-1012.	3.5	16
25	Fractional Protein Synthesis Rates Are Similar When Measured by Intraperitoneal or Intravenous Flooding Doses of L-[ring-2H5]Phenylalanine in Combination with a Rapid Regimen of Sampling in Piglets. Journal of Nutrition, 2008, 138, 1976-1981.	2.9	15
26	Chemical Structures of Manure from Conventional and Phytase Transgenic Pigs Investigated by Advanced Solid-State NMR Spectroscopy. Journal of Agricultural and Food Chemistry, 2008, 56, 2131-2138.	5.2	13
27	Expression of apical Na+â€“l-glutamine co-transport activity, B0-system neutral amino acid co-transporter (B0AT1) and angiotensin-converting enzyme 2 along the jejunal cryptâ€“villus axis in young pigs fed a liquid formula. Amino Acids, 2016, 48, 1491-1508.	2.7	9
28	Transgene and mitochondrial DNA are indicators of efficient composting of transgenic pig carcasses. Bioresource Technology, 2007, 98, 1795-1804.	9.6	8
29	Novel and disruptive biological strategies for resolving gut health challenges in monogastric food animal production. Animal Nutrition, 2015, 1, 138-143.	5.1	8
30	Metagenomic Discovery and Characterization of Multi-Functional and Monomodular Processive Endoglucanases as Biocatalysts. Applied Sciences (Switzerland), 2021, 11, 5150.	2.5	5
31	Genetic Opportunities tyo Enhance Sustainability of Pork Production in Developing Countries: A Model for Food Animals. , 2005, , 429-446.		4
32	Apical Na+-dependent neutral amino acid exchanger ASCT2 (ATB0) and mTOR-signaling components are expressed along the entire jejunal crypt-villus axis in young pigs fed a liquid milk replacer. Canadian Journal of Animal Science, 0, , .	1.5	3