Linyuan Shen

List of Publications by Year
in descending order

74 papers	1,782 citations	304743 22 h-index	330143 37 g-index
78 all docs	78 docs citations	78 times ranked	1967 citing authors

#	Article	IF	Citations
1	Short-Chain Fatty Acids and Their Association with Signalling Pathways in Inflammation, Glucose and Lipid Metabolism. International Journal of Molecular Sciences, 2020, 21, 6356.	4.1	359
2	Betaine Supplementation Enhances Lipid Metabolism and Improves Insulin Resistance in Mice Fed a High-Fat Diet. Nutrients, 2018, 10, 131.	4.1	77
3	The comparison of energy metabolism and meat quality among three pig breeds. Animal Science Journal, 2014, 85, 770-779.	1.4	60
4	A pig BodyMap transcriptome reveals diverse tissue physiologies and evolutionary dynamics of transcription. Nature Communications, 2021, 12, 3715.	12.8	60
5	Dietary betaine prevents obesity through gut microbiota-drived microRNA-378a family. Gut Microbes, 2021, 13, 1-19.	9.8	58
6	High Altitude Adaptability and Meat Quality in Tibetan Pigs: A Reference for Local Pork Processing and Genetic Improvement. Animals, 2019, 9, 1080.	2.3	49
7	miR-144-3p Promotes Adipogenesis Through Releasing C/EBPÎ± From Klf3 and CtBP2. Frontiers in Genetics, 2018, 9, 677.	2.3	47
8	MiR-204-5p regulates C2C12 myoblast differentiation by targeting MEF2C and ERRÎ³. Biomedicine and Pharmacotherapy, 2018, 101, 528-535.	5.6	43
9	miR-199a-3p affects adipocytes differentiation and fatty acid composition through targeting SCD. Biochemical and Biophysical Research Communications, 2017, 492, 82-88.	2.1	40
10	Vitamin D Alleviates Rotavirus Infection through a Microrna-155-5p Mediated Regulation of the TBK1/IRF3 Signaling Pathway In Vivo and In Vitro. International Journal of Molecular Sciences, 2019, 20, 3562.	4.1	40
11	Effects of muscle fiber type on glycolytic potential and meat quality traits in different Tibetan pig muscles and their association with glycolysis-related gene expression. Genetics and Molecular Research, 2015, 14, 14366-14378.	0.2	39
12	MicroRNAâ€351â€5p mediates skeletal myogenesis by directly targeting lactamaseâ€Î²2 and is regulated byIncâ€mg. FASEB Journal, 2019, 33, 1911-1926.	0.5	38
13	Genistein inhibits high fat diet-induced obesity through miR-222 by targeting BTG2 and adipor1. Food and Function, 2020, 11, 2418-2426.	4.6	38
14	A Novel Class of tRNA-Derived Small Non-Coding RNAs Respond to Myocardial Hypertrophy and Contribute to Intergenerational Inheritance. Biomolecules, 2018, 8, 54.	4.0	37
15	MicroRNA-200b regulates preadipocyte proliferation and differentiation by targeting KLF4. Biomedicine and Pharmacotherapy, 2018, 103, 1538-1544.	5.6	36
16	tRNA-Derived Small Non-Coding RNAs as Novel Epigenetic Molecules Regulating Adipogenesis. Biomolecules, 2019, 9, 274.	4.0	34
17	Genistein reverses isoproterenol-induced cardiac hypertrophy by regulating miR-451/TIMP2. Biomedicine and Pharmacotherapy, 2019, 112, 108618.	5.6	30
18	MicroRNA-23a regulates 3T3-L1 adipocyte differentiation. Gene, 2016, 575, 761-764.	2.2	29

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19	Biochar improves heavy metal passivation during wet anaerobic digestion of pig manure. Environmental Science and Pollution Research, 2021, 28, 635-644.	5.3	26
20	Genome-wide landscape of DNA methylomes and their relationship with mRNA and miRNA transcriptomes in oxidative and glycolytic skeletal muscles. Scientific Reports, 2016, 6, 32186.	3.3	25
21	MicroRNA-23a reduces slow myosin heavy chain isoforms composition through myocyte enhancer factor 2C (MEF2C) and potentially influences meat quality. Meat Science, 2016, 116, 201-206.	5.5	25
22	The Pro-angiogenesis Of Exosomes Derived From Umbilical Cord Blood Of Intrauterine Growth Restriction Pigs Was Repressed Associated With MiRNAs. International Journal of Biological Sciences, 2018, 14, 1426-1436.	6.4	24
23	MicroRNA-27b Regulates Mitochondria Biogenesis in Myocytes. PLoS ONE, 2016, 11, e0148532.	2.5	24
24	Transcriptome Analysis of Liangshan Pig Muscle Development at the Growth Curve Inflection Point and Asymptotic Stages Using Digital Gene Expression Profiling. PLoS ONE, 2015, 10, e0135978.	2.5	23
25	Transcriptome Analyses Reveal Adult Metabolic Syndrome With Intrauterine Growth Restriction in Pig Models. Frontiers in Genetics, 2018, 9, 291.	2.3	23
26	miR-152 regulates the proliferation and differentiation of C2C12 myoblasts by targeting E2F3. In Vitro Cellular and Developmental Biology - Animal, 2018, 54, 304-310.	1.5	21
27	Estimation of Growth Curves and Suitable Slaughter Weight of the Liangshan Pig. Asian-Australasian Journal of Animal Sciences, 2015, 28, 1252-1258.	2.4	20
28	DNA methylation landscape of fat deposits and fatty acid composition in obese and lean pigs. Scientific Reports, 2016, 6, 35063.	3.3	20
29	The regulation of skeletal muscle fiber-type composition by betaine is associated with NFATc1/MyoD. Journal of Molecular Medicine, 2018, 96, 685-700.	3.9	20
30	GWAS on Imputed Whole-Genome Resequencing From Genotyping-by-Sequencing Data for Farrowing Interval of Different Parities in Pigs. Frontiers in Genetics, 2019, 10, 1012.	2.3	20
31	Comprehensive Analysis of lncRNAs and circRNAs Reveals the Metabolic Specialization in Oxidative and Glycolytic Skeletal Muscles. International Journal of Molecular Sciences, 2019, 20, 2855.	4.1	20
32	Effect of miR-143-3p on C2C12 myoblast differentiation. Bioscience, Biotechnology and Biochemistry, 2016, 80, 706-711.	1.3	19
33	Methylation of miR-145a-5p promoter mediates adipocytes differentiation. Biochemical and Biophysical Research Communications, 2016, 475, 140-148.	2.1	18
34	miR-145a-5p Promotes Myoblast Differentiation. BioMed Research International, 2016, 2016, 1-10.	1.9	17
35	Mir-152 Regulates 3T3-L1 Preadipocyte Proliferation and Differentiation. Molecules, 2019, 24, 3379.	3.8	17
36	MicroRNA-451 and Genistein Ameliorate Nonalcoholic Steatohepatitis in Mice. International Journal of Molecular Sciences, 2019, 20, 6084.	4.1	15

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37	The Landscape of Non-Coding RNA in an Adult Pig Model of Intrauterine Growth Restriction. Cellular Physiology and Biochemistry, 2018, 50, 1764-1778.	1.6	14
38	Genome-wide association study for backfat thickness at 100 kg and loin muscle thickness in domestic pigs based on genotyping by sequencing. Physiological Genomics, 2019, 51, 261-266.	2.3	14
39	LncMyoD Promotes Skeletal Myogenesis and Regulates Skeletal Muscle Fiber-Type Composition by Sponging miR-370-3p. Genes, 2021, 12, 589.	2.4	14
40	miR-152 targets pyruvate kinase to regulate the glycolytic activity of pig skeletal muscles and affects pork quality. Meat Science, 2022, 185, 108707.	5.5	14
41	A 6-bp deletion in exon 8 and two mutations in introns of TYRP1 are associated with blond coat color in Liangshan pigs. Gene, 2016, 578, 132-136.	2.2	12
42	miR-222 is involved in the regulation of genistein on skeletal muscle fiber type. Journal of Nutritional Biochemistry, 2020, 80, 108320.	4.2	12
43	Detection of Four Porcine Enteric Coronaviruses Using CRISPR-Cas12a Combined with Multiplex Reverse Transcriptase Loop-Mediated Isothermal Amplification Assay. Viruses, 2022, 14, 833.	3.3	12
44	Integrated analysis of methylome, transcriptome and miRNAome of three pig breeds. Epigenomics, 2018, 10, 597-612.	2.1	11
45	Meat Quality, Amino Acid, and Fatty Acid Composition of Liangshan Pigs at Different Weights. Animals, 2020, 10, 822.	2.3	11
46	Whole-genome sequencing association analysis reveals the genetic architecture of meat quality traits in Chinese Qingyu pigs. Genome, 2020, 63, 503-515.	2.0	11
47	Comparison reproductive, growth performance, carcass and meat quality of Liangshan pig crossbred with Duroc and Berkshire genotypes and heterosis prediction. Livestock Science, 2018, 212, 61-68.	1.6	10
48	Bidirectional regulation of genistein on the proliferation and differentiation of C2C12 myoblasts. Xenobiotica, 2020, 50, 1352-1358.	1.1	10
49	Downregulated miR-204 Promotes Skeletal Muscle Regeneration. BioMed Research International, 2020, 2020, 1-9.	1.9	10
50	Single nucleotide polymorphism-based analysis of the genetic structure of Liangshan pig population. Animal Bioscience, 2021, 34, 1105-1115.	2.0	9
51	MicroRNA-126b-5p Exacerbates Development of Adipose Tissue and Diet-Induced Obesity. International Journal of Molecular Sciences, 2021, 22, 10261.	4.1	9
52	l-Arginine Alleviates LPS-Induced Oxidative Stress and Apoptosis via Activating SIRT1-AKT-Nrf2 and SIRT1-FOXO3a Signaling Pathways in C2C12 Myotube Cells. Antioxidants, 2021, 10, 1957.	5.1	9
53	Analysis of carcass and meat quality traits and nutritional values of hybrid wild boars under different crossing systems. Genetics and Molecular Research, 2015, 14, 2608-2616.	0.2	7
54	ssc-miR-451 Regulates Porcine Primary Adipocyte Differentiation by Targeting ACACA. Animals, 2020, 10, 1891.	2.3	7

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55	The Expression of microRNA in Adult Rat Heart with Isoproterenol-Induced Cardiac Hypertrophy. Cells, 2020, 9, 1173.	4.1	7
56	Profiling and Functional Analysis of Long Noncoding RNAs and mRNAs during Porcine Skeletal Muscle Development. International Journal of Molecular Sciences, 2021, 22, 503.	4.1	7
57	Protective effects of sodium butyrate on rotavirus inducing endoplasmic reticulum stress-mediated apoptosis via PERK-eIF2Î± signaling pathway in IPEC-J2 cells. Journal of Animal Science and Biotechnology, 2021, 12, 69.	5.3	7
58	Genetic parameter estimation for reproductive traits in QingYu pigs and comparison of carcass and meat quality traits to BerkshireÃ—QingYu crossbred pigs. Asian-Australasian Journal of Animal Sciences, 2020, 33, 1224-1232.	2.4	7
59	Genistein Alleviates High-Fat Diet-Induced Obesity by Inhibiting the Process of Gluconeogenesis in Mice. Nutrients, 2022, 14, 1551.	4.1	7
60	Coat colour phenotype of Qingyu pig is associated with polymorphisms of melanocortin receptor 1 gene. Asian-Australasian Journal of Animal Sciences, 2017, 30, 938-943.	2.4	6
61	Gut Microbiota Composition and Diversity in Different Commercial Swine Breeds in Early and Finishing Growth Stages. Animals, 2022, 12, 1607.	2.3	6
62	The complete sequence of the mitochondrial genome of Liangshan pig (Sus Scrofa). Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis, 2016, 27, 4183-4184.	0.7	5
63	The effect of lipid metabolism-related genes on intramuscular fat content and fatty acid composition in multiple muscles. Animal Production Science, 2018, 58, 2003.	1.3	5
64	Expression Characteristics of microRNA in Pig Umbilical Venous Blood and Umbilical Arterial Blood. Animals, 2021, 11, 1563.	2.3	5
65	Efficiency and mechanism of a vermicompost additive in enhancing composting of swine manure. Environmental Science and Pollution Research, 2021, 28, 65791-65801.	5.3	5
66	miR-222 Is Involved in the Amelioration Effect of Genistein on Dexamethasone-Induced Skeletal Muscle Atrophy. Nutrients, 2022, 14, 1861.	4.1	5
67	MicroRNAâ€23aâ€5p mediates the proliferation and differentiation of C2C12 myoblasts. Molecular Medicine Reports, 2020, 22, 3705-3714.	2.4	4
68	Complete mitochondrial genome sequence of Chenghua pig (Sus Scrofa) and its phylogenetic analysis. Mitochondrial DNA Part B: Resources, 2016, 1, 530-531.	0.4	3
69	The complete mitochondrial genome sequence of Changbai Mountains wild boar (Cetartiodactyla:) Tj ETQq1 1 0.784314 rgBT /Overlo	0.8	3
70	Profiling of skeletal muscle tissue for long non-coding RNAs related to muscle metabolism in the QingYu pig at the growth inflection point. Animal Bioscience, 2021, 34, 1309-1320.	2.0	3
71	miR-370-3p Regulates Adipogenesis through Targeting Mknk1. Molecules, 2021, 26, 6926.	3.8	3
72	circRNA on animal skeletal muscle development regulation. Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji, 2020, 42, 1178-1191.	0.2	3

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73	Identifying SNPs associated with birth weight and days to 100 kg traits in Yorkshire pigs based on genotyping-by-sequencing. Journal of Integrative Agriculture, 2021, 20, 2483-2490.	3.5	2
74	Temporal microRNA expression profile of pig peripheral blood during postnatal development. Animal Biotechnology, 2021, , 1-10.	1.5	0