

Linyuan Shen

List of Publications by Year in descending order

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74
papers

1,782
citations

304743

22
h-index

330143

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78
all docs

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docs citations

78
times ranked

1967
citing authors

#	ARTICLE	IF	CITATIONS
1	miR-152 targets pyruvate kinase to regulate the glycolytic activity of pig skeletal muscles and affects pork quality. <i>Meat Science</i> , 2022, 185, 108707.	5.5	14
2	Genistein Alleviates High-Fat Diet-Induced Obesity by Inhibiting the Process of Gluconeogenesis in Mice. <i>Nutrients</i> , 2022, 14, 1551.	4.1	7
3	Detection of Four Porcine Enteric Coronaviruses Using CRISPR-Cas12a Combined with Multiplex Reverse Transcriptase Loop-Mediated Isothermal Amplification Assay. <i>Viruses</i> , 2022, 14, 833.	3.3	12
4	miR-222 Is Involved in the Amelioration Effect of Genistein on Dexamethasone-Induced Skeletal Muscle Atrophy. <i>Nutrients</i> , 2022, 14, 1861.	4.1	5
5	Gut Microbiota Composition and Diversity in Different Commercial Swine Breeds in Early and Finishing Growth Stages. <i>Animals</i> , 2022, 12, 1607.	2.3	6
6	Biochar improves heavy metal passivation during wet anaerobic digestion of pig manure. <i>Environmental Science and Pollution Research</i> , 2021, 28, 635-644.	5.3	26
7	Profiling and Functional Analysis of Long Noncoding RNAs and mRNAs during Porcine Skeletal Muscle Development. <i>International Journal of Molecular Sciences</i> , 2021, 22, 503.	4.1	7
8	Dietary betaine prevents obesity through gut microbiota-driven microRNA-378a family. <i>Gut Microbes</i> , 2021, 13, 1-19.	9.8	58
9	Temporal microRNA expression profile of pig peripheral blood during postnatal development. <i>Animal Biotechnology</i> , 2021, , 1-10.	1.5	0
10	LncMyoD Promotes Skeletal Myogenesis and Regulates Skeletal Muscle Fiber-Type Composition by Sponging miR-370-3p. <i>Genes</i> , 2021, 12, 589.	2.4	14
11	Expression Characteristics of microRNA in Pig Umbilical Venous Blood and Umbilical Arterial Blood. <i>Animals</i> , 2021, 11, 1563.	2.3	5
12	Protective effects of sodium butyrate on rotavirus inducing endoplasmic reticulum stress-mediated apoptosis via PERK-eIF2 β signaling pathway in IPEC-J2 cells. <i>Journal of Animal Science and Biotechnology</i> , 2021, 12, 69.	5.3	7
13	A pig BodyMap transcriptome reveals diverse tissue physiologies and evolutionary dynamics of transcription. <i>Nature Communications</i> , 2021, 12, 3715.	12.8	60
14	Single nucleotide polymorphism-based analysis of the genetic structure of Liangshan pig population. <i>Animal Bioscience</i> , 2021, 34, 1105-1115.	2.0	9
15	Efficiency and mechanism of a vermicompost additive in enhancing composting of swine manure. <i>Environmental Science and Pollution Research</i> , 2021, 28, 65791-65801.	5.3	5
16	Profiling of skeletal muscle tissue for long non-coding RNAs related to muscle metabolism in the QingYu pig at the growth inflection point. <i>Animal Bioscience</i> , 2021, 34, 1309-1320.	2.0	3
17	MicroRNA-126b-5p Exacerbates Development of Adipose Tissue and Diet-Induced Obesity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10261.	4.1	9
18	Identifying SNPs associated with birth weight and days to 100 kg traits in Yorkshire pigs based on genotyping-by-sequencing. <i>Journal of Integrative Agriculture</i> , 2021, 20, 2483-2490.	3.5	2

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19	miR-370-3p Regulates Adipogenesis through Targeting Mknk1. <i>Molecules</i> , 2021, 26, 6926.	3.8	3
20	L-Arginine Alleviates LPS-Induced Oxidative Stress and Apoptosis via Activating SIRT1-AKT-Nrf2 and SIRT1-FOXO3a Signaling Pathways in C2C12 Myotube Cells. <i>Antioxidants</i> , 2021, 10, 1957.	5.1	9
21	Bidirectional regulation of genistein on the proliferation and differentiation of C2C12 myoblasts. <i>Xenobiotica</i> , 2020, 50, 1352-1358.	1.1	10
22	miR-222 is involved in the regulation of genistein on skeletal muscle fiber type. <i>Journal of Nutritional Biochemistry</i> , 2020, 80, 108320.	4.2	12
23	Downregulated miR-204 Promotes Skeletal Muscle Regeneration. <i>BioMed Research International</i> , 2020, 2020, 1-9.	1.9	10
24	Short-Chain Fatty Acids and Their Association with Signalling Pathways in Inflammation, Glucose and Lipid Metabolism. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6356.	4.1	359
25	ssc-miR-451 Regulates Porcine Primary Adipocyte Differentiation by Targeting ACACA. <i>Animals</i> , 2020, 10, 1891.	2.3	7
26	Meat Quality, Amino Acid, and Fatty Acid Composition of Liangshan Pigs at Different Weights. <i>Animals</i> , 2020, 10, 822.	2.3	11
27	The Expression of microRNA in Adult Rat Heart with Isoproterenol-Induced Cardiac Hypertrophy. <i>Cells</i> , 2020, 9, 1173.	4.1	7
28	Whole-genome sequencing association analysis reveals the genetic architecture of meat quality traits in Chinese Qingyu pigs. <i>Genome</i> , 2020, 63, 503-515.	2.0	11
29	Genistein inhibits high fat diet-induced obesity through miR-222 by targeting BTG2 and adipor1. <i>Food and Function</i> , 2020, 11, 2418-2426.	4.6	38
30	Genetic parameter estimation for reproductive traits in QingYu pigs and comparison of carcass and meat quality traits to Berkshire—QingYu crossbred pigs. <i>Asian-Australasian Journal of Animal Sciences</i> , 2020, 33, 1224-1232.	2.4	7
31	MicroRNA-23a-5p mediates the proliferation and differentiation of C2C12 myoblasts. <i>Molecular Medicine Reports</i> , 2020, 22, 3705-3714.	2.4	4
32	circRNA on animal skeletal muscle development regulation. <i>Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji</i> , 2020, 42, 1178-1191.	0.2	3
33	tRNA-Derived Small Non-Coding RNAs as Novel Epigenetic Molecules Regulating Adipogenesis. <i>Biomolecules</i> , 2019, 9, 274.	4.0	34
34	Vitamin D Alleviates Rotavirus Infection through a MicroRNA-155-5p Mediated Regulation of the TBK1/IRF3 Signaling Pathway In Vivo and In Vitro. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3562.	4.1	40
35	CWAS on Imputed Whole-Genome Resequencing From Genotyping-by-Sequencing Data for Farrowing Interval of Different Parities in Pigs. <i>Frontiers in Genetics</i> , 2019, 10, 1012.	2.3	20
36	Mir-152 Regulates 3T3-L1 Preadipocyte Proliferation and Differentiation. <i>Molecules</i> , 2019, 24, 3379.	3.8	17

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37	Genome-wide association study for backfat thickness at 100 kg and loin muscle thickness in domestic pigs based on genotyping by sequencing. <i>Physiological Genomics</i> , 2019, 51, 261-266.	2.3	14
38	Comprehensive Analysis of lncRNAs and circRNAs Reveals the Metabolic Specialization in Oxidative and Glycolytic Skeletal Muscles. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2855.	4.1	20
39	Genistein reverses isoproterenol-induced cardiac hypertrophy by regulating miR-451/TIMP2. <i>Biomedicine and Pharmacotherapy</i> , 2019, 112, 108618.	5.6	30
40	MicroRNA-451 and Genistein Ameliorate Nonalcoholic Steatohepatitis in Mice. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6084.	4.1	15
41	High Altitude Adaptability and Meat Quality in Tibetan Pigs: A Reference for Local Pork Processing and Genetic Improvement. <i>Animals</i> , 2019, 9, 1080.	2.3	49
42	MicroRNA-351-5p mediates skeletal myogenesis by directly targeting lactamase-1 ² and is regulated by lnc-1000. <i>FASEB Journal</i> , 2019, 33, 1911-1926.	0.5	38
43	miR-152 regulates the proliferation and differentiation of C2C12 myoblasts by targeting E2F3. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2018, 54, 304-310.	1.5	21
44	MiR-204-5p regulates C2C12 myoblast differentiation by targeting MEF2C and ERR1 ³ . <i>Biomedicine and Pharmacotherapy</i> , 2018, 101, 528-535.	5.6	43
45	Integrated analysis of methylome, transcriptome and miRNAome of three pig breeds. <i>Epigenomics</i> , 2018, 10, 597-612.	2.1	11
46	The complete mitochondrial genome sequence of Changbai Mountains wild boar (<i>Cetartiodactyla</i>): Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.8	3
47	Comparison reproductive, growth performance, carcass and meat quality of Liangshan pig crossbred with Duroc and Berkshire genotypes and heterosis prediction. <i>Livestock Science</i> , 2018, 212, 61-68.	1.6	10
48	miR-144-3p Promotes Adipogenesis Through Releasing C/EBP1 [±] From Klf3 and CtBP2. <i>Frontiers in Genetics</i> , 2018, 9, 677.	2.3	47
49	The effect of lipid metabolism-related genes on intramuscular fat content and fatty acid composition in multiple muscles. <i>Animal Production Science</i> , 2018, 58, 2003.	1.3	5
50	The Pro-angiogenesis Of Exosomes Derived From Umbilical Cord Blood Of Intrauterine Growth Restriction Pigs Was Repressed Associated With MiRNAs. <i>International Journal of Biological Sciences</i> , 2018, 14, 1426-1436.	6.4	24
51	The Landscape of Non-Coding RNA in an Adult Pig Model of Intrauterine Growth Restriction. <i>Cellular Physiology and Biochemistry</i> , 2018, 50, 1764-1778.	1.6	14
52	MicroRNA-200b regulates preadipocyte proliferation and differentiation by targeting KLF4. <i>Biomedicine and Pharmacotherapy</i> , 2018, 103, 1538-1544.	5.6	36
53	A Novel Class of tRNA-Derived Small Non-Coding RNAs Respond to Myocardial Hypertrophy and Contribute to Intergenerational Inheritance. <i>Biomolecules</i> , 2018, 8, 54.	4.0	37
54	Betaine Supplementation Enhances Lipid Metabolism and Improves Insulin Resistance in Mice Fed a High-Fat Diet. <i>Nutrients</i> , 2018, 10, 131.	4.1	77

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55	Transcriptome Analyses Reveal Adult Metabolic Syndrome With Intrauterine Growth Restriction in Pig Models. <i>Frontiers in Genetics</i> , 2018, 9, 291.	2.3	23
56	The regulation of skeletal muscle fiber-type composition by betaine is associated with NFATc1/MyoD. <i>Journal of Molecular Medicine</i> , 2018, 96, 685-700.	3.9	20
57	miR-199a-3p affects adipocytes differentiation and fatty acid composition through targeting SCD. <i>Biochemical and Biophysical Research Communications</i> , 2017, 492, 82-88.	2.1	40
58	Coat colour phenotype of Qingyu pig is associated with polymorphisms of melanocortin receptor 1 gene. <i>Asian-Australasian Journal of Animal Sciences</i> , 2017, 30, 938-943.	2.4	6
59	miR-145a-5p Promotes Myoblast Differentiation. <i>BioMed Research International</i> , 2016, 2016, 1-10.	1.9	17
60	Complete mitochondrial genome sequence of Chenghua pig (<i>Sus Scrofa</i>) and its phylogenetic analysis. <i>Mitochondrial DNA Part B: Resources</i> , 2016, 1, 530-531.	0.4	3
61	Genome-wide landscape of DNA methylomes and their relationship with mRNA and miRNA transcriptomes in oxidative and glycolytic skeletal muscles. <i>Scientific Reports</i> , 2016, 6, 32186.	3.3	25
62	DNA methylation landscape of fat deposits and fatty acid composition in obese and lean pigs. <i>Scientific Reports</i> , 2016, 6, 35063.	3.3	20
63	Methylation of miR-145a-5p promoter mediates adipocytes differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2016, 475, 140-148.	2.1	18
64	The complete sequence of the mitochondrial genome of Liangshan pig (<i>Sus Scrofa</i>). <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2016, 27, 4183-4184.	0.7	5
65	MicroRNA-23a reduces slow myosin heavy chain isoforms composition through myocyte enhancer factor 2C (MEF2C) and potentially influences meat quality. <i>Meat Science</i> , 2016, 116, 201-206.	5.5	25
66	Effect of miR-143-3p on C2C12 myoblast differentiation. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 706-711.	1.3	19
67	A 6-bp deletion in exon 8 and two mutations in introns of TYRP1 are associated with blond coat color in Liangshan pigs. <i>Gene</i> , 2016, 578, 132-136.	2.2	12
68	MicroRNA-23a regulates 3T3-L1 adipocyte differentiation. <i>Gene</i> , 2016, 575, 761-764.	2.2	29
69	MicroRNA-27b Regulates Mitochondria Biogenesis in Myocytes. <i>PLoS ONE</i> , 2016, 11, e0148532.	2.5	24
70	Transcriptome Analysis of Liangshan Pig Muscle Development at the Growth Curve Inflection Point and Asymptotic Stages Using Digital Gene Expression Profiling. <i>PLoS ONE</i> , 2015, 10, e0135978.	2.5	23
71	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. <i>Genetics and Molecular Research</i> , 2015, 14, 14366-14378.	0.2	39
72	Estimation of Growth Curves and Suitable Slaughter Weight of the Liangshan Pig. <i>Asian-Australasian Journal of Animal Sciences</i> , 2015, 28, 1252-1258.	2.4	20

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73	Analysis of carcass and meat quality traits and nutritional values of hybrid wild boars under different crossing systems. <i>Genetics and Molecular Research</i> , 2015, 14, 2608-2616.	0.2	7
74	The comparison of energy metabolism and meat quality among three pig breeds. <i>Animal Science Journal</i> , 2014, 85, 770-779.	1.4	60