

# Bang Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4090333/publications.pdf>

Version: 2024-02-01

81  
papers

1,444  
citations

331670

21  
h-index

395702

33  
g-index

85  
all docs

85  
docs citations

85  
times ranked

1891  
citing authors

#	ARTICLE	IF	CITATIONS
1	LongSAGE analysis of skeletal muscle at three prenatal stages in Tongcheng and Landrace pigs. <i>Genome Biology</i> , 2007, 8, R115.	9.6	123
2	Genome Wide Sampling Sequencing for SNP Genotyping: Methods, Challenges and Future Development. <i>International Journal of Biological Sciences</i> , 2016, 12, 100-108.	6.4	77
3	Genome-wide analysis reveals artificial selection on coat colour and reproductive traits in Chinese domestic pigs. <i>Molecular Ecology Resources</i> , 2015, 15, 414-424.	4.8	74
4	Molecular Characterization of Transcriptome-wide Interactions between Highly Pathogenic Porcine Reproductive and Respiratory Syndrome Virus and Porcine Alveolar Macrophages in vivo. <i>International Journal of Biological Sciences</i> , 2011, 7, 947-959.	6.4	65
5	Genome-wide scans to detect positive selection in Large White and Tongcheng pigs. <i>Animal Genetics</i> , 2014, 45, 329-339.	1.7	51
6	Genome Wide Distributions and Functional Characterization of Copy Number Variations between Chinese and Western Pigs. <i>PLoS ONE</i> , 2015, 10, e0131522.	2.5	47
7	Identification of Differentially Expressed Genes in the Longissimus Dorsi Muscle Tissue between Duroc and Erhualian Pigs by mRNA Differential Display. <i>Asian-Australasian Journal of Animal Sciences</i> , 2003, 16, 1066-1070.	2.4	46
8	TEAD1-dependent expression of the FoxO3a gene in mouse skeletal muscle. <i>BMC Molecular Biology</i> , 2011, 12, 1.	3.0	39
9	The genetic polymorphisms of TGF $\beta$ 2 superfamily genes are associated with litter size in a Chinese indigenous sheep breed (Hu sheep). <i>Animal Reproduction Science</i> , 2018, 189, 19-29.	1.5	35
10	Reactomes of Porcine Alveolar Macrophages Infected with Porcine Reproductive and Respiratory Syndrome Virus. <i>PLoS ONE</i> , 2013, 8, e59229.	2.5	33
11	Deep Genome Resequencing Reveals Artificial and Natural Selection for Visual Deterioration, Plateau Adaptability and High Prolificacy in Chinese Domestic Sheep. <i>Frontiers in Genetics</i> , 2019, 10, 300.	2.3	33
12	Porcine CSRP3: polymorphism and association analyses with meat quality traits and comparative analyses with CSRP1 and CSRP2. <i>Molecular Biology Reports</i> , 2010, 37, 451-459.	2.3	32
13	Investigation of Lpin1 as a candidate gene for fat deposition in pigs. <i>Molecular Biology Reports</i> , 2009, 36, 1175-1180.	2.3	31
14	Differences of immune responses between Tongcheng (Chinese local breed) and Large White pigs after artificial infection with highly pathogenic porcine reproductive and respiratory syndrome virus. <i>Virus Research</i> , 2016, 215, 84-93.	2.2	30
15	Transcriptome Differences in Porcine Alveolar Macrophages from Tongcheng and Large White Pigs in Response to Highly Pathogenic Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) Infection. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1475.	4.1	30
16	Multiplex PCR assay for identification and quantification of bovine and equine in minced meats using novel specific nuclear DNA sequences. <i>Food Control</i> , 2019, 105, 29-37.	5.5	30
17	Investigation of LDHA and COPB1 as candidate genes for muscle development in the MYOD1 region of pig chromosome 2. <i>Molecular Biology Reports</i> , 2010, 37, 629-636.	2.3	25
18	2â€²,5â€²-Oligoadenylate synthetase 1(OAS1) inhibits PRRSV replication in Marc-145 cells. <i>Antiviral Research</i> , 2016, 132, 268-273.	4.1	24

#	ARTICLE	IF	CITATIONS
19	Regulation of iNOS-Derived ROS Generation by HSP90 and Cav-1 in Porcine Reproductive and Respiratory Syndrome Virus-Infected Swine Lung Injury. <i>Inflammation</i> , 2017, 40, 1236-1244.	3.8	23
20	Isolation, mapping, SNP detection and association with backfat traits of the porcine CTNBL1 and DGAT2 genes. <i>Molecular Biology Reports</i> , 2012, 39, 4485-4490.	2.3	22
21	Analysis of Genome-Wide Copy Number Variations in Chinese Indigenous and Western Pig Breeds by 60 K SNP Genotyping Arrays. <i>PLoS ONE</i> , 2014, 9, e106780.	2.5	22
22	Dual-output toehold-mediated strand displacement amplification for sensitive homogeneous electrochemical detection of specie-specific DNA sequences for species identification. <i>Biosensors and Bioelectronics</i> , 2020, 161, 112256.	10.1	22
23	Assignment and expression patterns of porcine muscle-specific isoform of phosphoglycerate mutase gene. <i>Journal of Genetics and Genomics</i> , 2008, 35, 257-260.	3.9	21
24	Investigation of four porcine candidate genes (H-FABP, MYOD1, UCP3 and MASTR) for meat quality traits in Large White pigs. <i>Molecular Biology Reports</i> , 2012, 39, 6599-6605.	2.3	21
25	Species Identification of Fox-, Mink-, Dog-, and Rabbit-Derived Ingredients by Multiplex PCR and Real-Time PCR Assay. <i>Applied Biochemistry and Biotechnology</i> , 2018, 185, 1-12.	2.9	21
26	Identification of Differentially Expressed Non-coding RNA in Porcine Alveolar Macrophages from Tongcheng and Large White Pigs Responded to PRRSV. <i>Scientific Reports</i> , 2018, 8, 15621.	3.3	20
27	Association of two porcine reproductive and respiratory syndrome virus (PRRSV) receptor genes, CD163 and SN with immune traits. <i>Molecular Biology Reports</i> , 2012, 39, 3971-3976.	2.3	17
28	TEAD1 controls C2C12 cell proliferation and differentiation and regulates three novel target genes. <i>Cellular Signalling</i> , 2013, 25, 674-681.	3.6	17
29	ICAM-1-dependent and ICAM-1-independent neutrophil lung infiltration by porcine reproductive and respiratory syndrome virus infection. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 309, L226-L236.	2.9	17
30	Recombinase Polymerase Amplification Based Multiplex Lateral Flow Dipstick for Fast Identification of Duck Ingredient in Adulterated Beef. <i>Animals</i> , 2020, 10, 1765.	2.3	17
31	Effect of breed, sex and birth parity on growth, carcass and meat quality in pigs. <i>Frontiers of Agriculture in China</i> , 2008, 2, 331-337.	0.2	16
32	Molecular characterization, chromosomal localization and association analysis with back-fat thickness of porcine LPIN2 and LPIN3. <i>Molecular Biology Reports</i> , 2009, 36, 1819-1824.	2.3	15
33	Association of polymorphisms in <i>NR6A1</i> , <i>PLAG1</i> and <i>VRTN</i> with the number of vertebrae in Chinese Tongcheng—Large White crossbred pigs. <i>Animal Genetics</i> , 2018, 49, 353-354.	1.7	15
34	Porcine TEF1 and RTEF1: Molecular characterization and association analyses with growth traits. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2008, 150, 447-453.	1.6	14
35	Molecular characterization, chromosomal location, alternative splicing and polymorphism of porcine GFAT1 gene. <i>Molecular Biology Reports</i> , 2010, 37, 2711-2717.	2.3	14
36	Molecular characterization of porcine SARM1 and its role in regulating TLRs signaling during highly pathogenic porcine reproductive and respiratory syndrome virus infection in vivo. <i>Developmental and Comparative Immunology</i> , 2013, 39, 117-126.	2.3	13

#	ARTICLE	IF	CITATIONS
37	A multiplex PCR method for detection of five animal species in processed meat products using novel species-specific nuclear DNA sequences. <i>European Food Research and Technology</i> , 2020, 246, 1351-1360.	3.3	13
38	The molecular characterization and associations of porcine cardiomyopathy associated 5 (CMYA5) gene with carcass trait and meat quality. <i>Molecular Biology Reports</i> , 2011, 38, 2085-2090.	2.3	12
39	LSM14A inhibits porcine reproductive and respiratory syndrome virus (PRRSV) replication by activating IFN- $\beta$ signaling pathway in Marc-145. <i>Molecular and Cellular Biochemistry</i> , 2015, 399, 247-256.	3.1	12
40	Molecular Characterization and Expression Pattern of the Porcine STARS, a Striated Muscle-Specific Expressed Gene. <i>Biochemical Genetics</i> , 2008, 46, 644-651.	1.7	11
41	Cloning, chromosomal localization, expression profile and association analysis of the porcine WNT10B gene with backfat thickness. <i>Molecular Biology Reports</i> , 2011, 38, 3095-3099.	2.3	11
42	Development of a colloidal gold immunochromatographic strip assay for simple and fast detection of human $\beta$ -lactalbumin in genetically modified cow milk. <i>Journal of Dairy Science</i> , 2016, 99, 1773-1779.	3.4	11
43	Investigation of the porcine PA28 activator gamma-subunit (PSME3) gene: isolation, polymorphism and its chromosomal localization. <i>Journal of Animal Breeding and Genetics</i> , 2004, 121, 142-148.	2.0	10
44	Detection of two exogenous genes in transgenic cattle by loop-mediated isothermal amplification. <i>Transgenic Research</i> , 2012, 21, 1367-1373.	2.4	10
45	Sequencing, tissue distribution and physical mapping of the porcine homologue of cardiomyopathy associated 3 (CMYA3 ). <i>Animal Genetics</i> , 2003, 34, 473-474.	1.7	9
46	Mapping and expression analyses during porcine foetal muscle development of 12 genes involved in histone modifications. <i>Animal Genetics</i> , 2009, 40, 242-246.	1.7	9
47	Molecular characterization of the porcine S100A6 gene and analysis of its expression in pigs infected with highly pathogenic porcine reproductive and respiratory syndrome virus (HP-PRRSV). <i>Journal of Applied Genetics</i> , 2015, 56, 355-363.	1.9	9
48	Genome-Wide Analysis and Functional Characterization of the Polyadenylation Site in Pigs Using RNAseq Data. <i>Scientific Reports</i> , 2016, 6, 36388.	3.3	9
49	MicroRNA expression profiling in alveolar macrophages of indigenous Chinese Tongcheng pigs infected with PRRSV in vivo. <i>Journal of Applied Genetics</i> , 2017, 58, 539-544.	1.9	9
50	Porcine Interferon Stimulated Gene 12a Restricts Porcine Reproductive and Respiratory Syndrome Virus Replication in MARC-145 Cells. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1613.	4.1	9
51	Radiation hybrid mapping of porcine <i>CMYA2</i> and <i>CMYA4</i> . <i>Animal Genetics</i> , 2005, 36, 511-511.	1.7	8
52	Molecular characterization, expression profiles, and association analysis with hematologic parameters of the porcine HPSE and HPSE2 genes. <i>Journal of Applied Genetics</i> , 2013, 54, 71-78.	1.9	8
53	Germplasm characteristics and conservation of Tongcheng pig: A case study for preservation and utilization of Chinese indigenous pig breeds. <i>Animal Genetic Resources Information</i> , 2006, 39, 51-63.	0.1	7
54	Molecular characterization, chromosomal localization, expression profile and association analysis with carcass traits of the porcine dickkopf homolog1 gene. <i>Molecular Biology Reports</i> , 2011, 38, 1929-1934.	2.3	7

#	ARTICLE	IF	CITATIONS
55	Identification of positive selection signatures in pigs by comparing linkage disequilibrium variances. <i>Animal Genetics</i> , 2017, 48, 600-605.	1.7	7
56	Whole-genome sequencing reveals breed-specific differential CNVs between Tongcheng and Large White pigs. <i>Animal Genetics</i> , 2020, 51, 940-944.	1.7	7
57	A novel quantitative real-time PCR method for the detection of mammalian and poultry species based on a shared single-copy nuclear DNA sequence. <i>Food Chemistry</i> , 2021, 341, 128170.	8.2	7
58	A multiplex real-time PCR approach for identification and quantification of sheep/goat, fox and murine fractions in meats using nuclear DNA sequences. <i>Food Control</i> , 2021, 126, 108035.	5.5	7
59	Molecular characterization of the porcine JHDM1A gene associated with average daily gain: evaluation its role in skeletal muscle development and growth. <i>Molecular Biology Reports</i> , 2011, 38, 4697-4704.	2.3	6
60	Molecular characterization, expression profiles of the porcine SDC2 and HSPG2 genes and their association with hematologic parameters. <i>Molecular Biology Reports</i> , 2013, 40, 2549-2556.	2.3	6
61	Global Analysis of Alternative Splicing Difference in Peripheral Immune Organs between Tongcheng Pigs and Large White Pigs Artificially Infected with PRRSV <i>In Vivo</i> . <i>BioMed Research International</i> , 2020, 2020, 1-14.	1.9	6
62	Change of Gut Microbiota in PRRSV-Resistant Pigs and PRRSV-Susceptible Pigs from Tongcheng Pigs and Large White Pigs Crossed Population upon PRRSV Infection. <i>Animals</i> , 2022, 12, 1504.	2.3	6
63	Expression patterns and subcellular localization of porcine ( <i>Sus Scrofa</i> ) lectin, galactose-binding, soluble 1 gene. <i>Acta Biochimica Et Biophysica Sinica</i> , 2008, 40, 85-90.	2.0	5
64	Porcine skeletal muscle differentially expressed gene <i>CMYA1</i> : isolation, characterization, mapping, expression and association analysis with carcass traits. <i>Animal Genetics</i> , 2009, 40, 255-261.	1.7	5
65	Molecular characterization of the porcine MTPAP gene associated with meat quality traits: chromosome localization, expression distribution, and transcriptional regulation. <i>Molecular and Cellular Biochemistry</i> , 2012, 364, 173-180.	3.1	5
66	NUDT6, the FGF-2 antisense gene, showed associations with fat deposition related traits in pigs. <i>Molecular Biology Reports</i> , 2012, 39, 4119-4126.	2.3	5
67	Detection of HbsAg and hATIII genetically modified goats ( <i>Capra hircus</i> ) by loop-mediated isothermal amplification. <i>Molecular Biology Reports</i> , 2013, 40, 6177-6182.	2.3	5
68	Genetic diversity analyses of 10 indigenous Chinese pig populations based on 20 microsatellites1. <i>Journal of Animal Science</i> , 2004, 82, 368-374.	0.5	5
69	MiR-142-5p/FAM134B Axis Manipulates ER-Phagy to Control PRRSV Replication. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	5
70	Molecular characterization, expression and association analysis of the porcine <i>CMYA4</i> gene with carcass traits. <i>Journal of Animal Breeding and Genetics</i> , 2008, 125, 234-239.	2.0	4
71	Genome-Wide Characterization and Comparative Analyses of Simple Sequence Repeats among Four Miniature Pig Breeds. <i>Animals</i> , 2020, 10, 1792.	2.3	4
72	The Association of ANKRD2 with Loin Depth and Muscle Firmness in Pigs. <i>Journal of Animal and Veterinary Advances</i> , 2011, 10, 1462-1468.	0.1	4

#	ARTICLE	IF	CITATIONS
73	Integration of Transcriptome and Proteome in Lymph Nodes Reveal the Different Immune Responses to PRRSV Between PRRSV-Resistant Tongcheng Pigs and PRRSV-Susceptible Large White Pigs. <i>Frontiers in Genetics</i> , 2022, 13, 800178.	2.3	4
74	Preparation and analysis of spermatocyte meiotic pachytene bivalents of pigs for gene mapping. <i>Cell Research</i> , 2002, 12, 401-405.	12.0	3
75	Immunochromatography Detection of Human Lactoferrin Protein in Milk from Transgenic Cattle. <i>Journal of AOAC INTERNATIONAL</i> , 2013, 96, 116-120.	1.5	3
76	Investigation of four candidate genes (IGF2, JHDM1A, COPB1 and TEF1) for growth rate and backfat thickness traits on SSC2q in Large White pigs. <i>Molecular Biology Reports</i> , 2014, 41, 309-315.	2.3	3
77	Two coupled mutations abolished the binding of CEBPB to the promoter of CXCL14 that displayed an antiviral effect on PRRSV by activating IFN signaling. <i>FASEB Journal</i> , 2020, 34, 11257-11271.	0.5	3
78	Alternative polyadenylation events differ dramatically between Tongcheng and Large White pigs in response to PRRSV infection. <i>Animal Genetics</i> , 2021, 52, 744-748.	1.7	2
79	Rapid visual genotyping method for germline mutants with small genomic fragment deletion by allele-specific PCR and lateral flow nucleic acid biosensor. <i>Molecular Biology Reports</i> , 2021, 48, 7325-7332.	2.3	1
80	A universal primer distinguishable PCR (UP-D-PCR) method for simultaneous identification and differentiation of bovine- and ovine/caprine-derived ingredients in ruminant feeds. <i>European Food Research and Technology</i> , 0, , 1.	3.3	0
81	Rapid Identification of HSA Genetically Modified Goats by Combining Recombinase Polymerase Amplification (RPA) with Lateral Flow Dipstick (LFD). <i>Agriculture (Switzerland)</i> , 2022, 12, 927.	3.1	0