Xiaohong Liu

List of Publications by Year
in descending order

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44	670	567281 15	677142 22
papers	citations	h-index	g-index

44	44	44	861
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genetic Characterization and Variation of African Swine Fever Virus China/GD/2019 Strain in Domestic Pigs. Pathogens, 2022, 11, 97.	2.8	8
2	Exostosin glycosyltransferase 1 reduces porcine reproductive and respiratory syndrome virus infection through proteasomal degradation of nsp3 and nsp5. Journal of Biological Chemistry, 2022, 298, 101548.	3.4	1
3	Chlorine Dioxide Inhibits African Swine Fever Virus by Blocking Viral Attachment and Destroying Viral Nucleic Acids and Proteins. Frontiers in Veterinary Science, 2022, 9, 844058.	2.2	4
4	Functional characterization of cAMP signaling of variant porcine MC1R alleles in PK15 cells. Animal Genetics, 2022, , .	1.7	1
5	PRRSV Infection Induces Gasdermin D-Driven Pyroptosis of Porcine Alveolar Macrophages through NLRP3 Inflammasome Activation. Journal of Virology, 2022, 96, .	3.4	9
6	Antiviral Mechanism of Tea Polyphenols against Porcine Reproductive and Respiratory Syndrome Virus. Pathogens, 2021, 10, 202.	2.8	10
7	HMGB2 orchestrates mitotic clonal expansion by binding to the promoter of C/EBPÎ² to facilitate adipogenesis. Cell Death and Disease, 2021, 12, 666.	6.3	16
8	Editing the cystine knot motif of MSTN enhances muscle development of Liang Guang Small Spotted pigs. Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji, 2021, 43, 261-270.	0.2	4
9	Efficient generation of bone morphogenetic protein 15-edited Yorkshire pigs using CRISPR/Cas9â€. Biology of Reproduction, 2020, 103, 1054-1068.	2.7	5
10	Development and clinical application of a novel CRISPR-Cas12a based assay for the detection of African swine fever virus. BMC Microbiology, 2020, 20, 282.	3.3	19
11	TREM2 suppresses the proinflammatory response to facilitate PRRSV infection via PI3K/NF-ÎºB signaling. PLoS Pathogens, 2020, 16, e1008543.	4.7	44
12	Functional Analysis of KIT Gene Structural Mutations Causing the Porcine Dominant White Phenotype Using Genome Edited Mouse Models. Frontiers in Genetics, 2020, 11, 138.	2.3	13
13	Precise editing of myostatin signal peptide by CRISPR/Cas9 increases the muscle mass of Liang Guang Small Spotted pigs. Transgenic Research, 2020, 29, 149-163.	2.4	27
14	Lipopolysaccharide Downregulates CD163 Expression to Inhibit PRRSV Infection via TLR4-NF-ÎºB Pathway. Frontiers in Microbiology, 2020, 11, 501.	3.5	15
15	Effects of bone morphogenetic protein 15 (BMP15) knockdown on porcine testis morphology and spermatogenesis. Reproduction, Fertility and Development, 2020, 32, 999.	0.4	1
16	Highly Efficient Generation of Pigs Harboring a Partial Deletion of the CD163 SRCR5 Domain, Which Are Fully Resistant to Porcine Reproductive and Respiratory Syndrome Virus 2 Infection. Frontiers in Immunology, 2019, 10, 1846.	4.8	48
17	Weighted single-step GWAS identified candidate genes associated with semen traits in a Duroc boar population. BMC Genomics, 2019, 20, 797.	2.8	27
18	The SNPs in myoD gene from normal muscle developing individuals have no effect on muscle mass. BMC Genetics, 2019, 20, 72.	2.7	4

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19	Earlier demethylation of myogenic genes contributes to embryonic precocious terminal differentiation of myoblasts in miniature pigs. FASEB Journal, 2019, 33, 9638-9655.	0.5	11
20	Highly efficient correction of structural mutations of 450â€‰kb KIT locus in kidney cells of Yorkshire pig by CRISPR/Cas9. BMC Molecular and Cell Biology, 2019, 20, 4.	2.0	1
21	Estimation of genetic parameters and season effects for semen traits in three pig breeds of South China. Journal of Animal Breeding and Genetics, 2019, 136, 183-189.	2.0	11
22	Inhibitory Effect of Iota-carrageenan on Porcine Reproductive and Respiratory Syndrome Virus in Vitro. Antiviral Therapy, 2019, 24, 261-270.	1.0	14
23	Comparative Transcriptome Analysis Reveals a More Complicated Adipogenic Process in Intramuscular Stem Cells than That of Subcutaneous Vascular Stem Cells. Journal of Agricultural and Food Chemistry, 2019, 67, 4700-4708.	5.2	7
24	Involvement of PRRSV NSP3 and NSP5 in the autophagy process. Virology Journal, 2019, 16, 13.	3.4	9
25	Bone Morphogenetic Protein 15 Knockdown Inhibits Porcine Ovarian Follicular Development and Ovulation. Frontiers in Cell and Developmental Biology, 2019, 7, 286.	3.7	18
26	Chlorine dioxide inhibits the replication of porcine reproductive and respiratory syndrome virus by blocking viral attachment. Infection, Genetics and Evolution, 2019, 67, 78-87.	2.3	26
27	Disruption of the ZBED6 binding site in intron 3 of IGF2 by CRISPR/Cas9 leads to enhanced muscle development in Liang Guang Small Spotted pigs. Transgenic Research, 2019, 28, 141-150.	2.4	45
28	CD44 facilitates adherence of Streptococcus equi subsp. zooepidemicus to LA-4 cells. Microbial Pathogenesis, 2019, 128, 250-253.	2.9	2
29	CD163Î”SRCR5 MARC-145 Cells Resist PRRSV-2 Infection via Inhibiting Virus Uncoating, Which Requires the Interaction of CD163 With Calpain 1. Frontiers in Microbiology, 2019, 10, 3115.	3.5	15
30	Characterization of SeseC_01411 as a surface protective antigen of Streptococcus equi ssp. zooepidemicus. Research in Veterinary Science, 2018, 118, 517-521.	1.9	6
31	An integrated analysis of membrane remodeling during porcine reproductive and respiratory syndrome virus replication and assembly. PLoS ONE, 2018, 13, e0200919.	2.5	18
32	The influence of a first-order antedependence model and hyperparameters in BayesCÏ€ for genomic prediction. Asian-Australasian Journal of Animal Sciences, 2018, 31, 1863-1870.	2.4	1
33	CD44 deficiency enhanced Streptococcus equi ssp. zooepidemicus dissemination and inflammation response in a mouse model. Research in Veterinary Science, 2017, 115, 96-101.	1.9	7
34	Pyrithione inhibits porcine reproductive and respiratory syndrome virus replication through interfering with NF-ÎºB and heparanase. Veterinary Microbiology, 2017, 201, 231-239.	1.9	13
35	Heparanase Upregulation Contributes to Porcine Reproductive and Respiratory Syndrome Virus Release. Journal of Virology, 2017, 91, .	3.4	32
36	CD44 enhances macrophage phagocytosis and plays a protective role in Streptococcus equi subsp. zooepidemicus infection. Veterinary Microbiology, 2017, 198, 121-126.	1.9	11

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37	Transcriptome Landscape of Porcine Intramuscular Adipocytes during Differentiation. Journal of Agricultural and Food Chemistry, 2017, 65, 6317-6328.	5.2	25
38	miR-709 modulates LPS-induced inflammatory response through targeting GSK-3Î². International Immunopharmacology, 2016, 36, 333-338.	3.8	20
39	Inhibition of porcine reproductive and respiratory syndrome virus by Cecropin D in vitro. Infection, Genetics and Evolution, 2015, 34, 7-16.	2.3	21
40	Analysis of reasons for sow culling and seasonal effects on reproductive disorders in Southern China. Animal Reproduction Science, 2015, 159, 191-197.	1.5	39
41	CD44 deficiency leads to decreased proinflammatory cytokine production in lung induced by PCV2 in mice. Research in Veterinary Science, 2014, 97, 498-504.	1.9	11
42	Cecropin P1 inhibits porcine reproductive and respiratory syndrome virus by blocking attachment. BMC Microbiology, 2014, 14, 273.	3.3	25
43	Simultaneous Detection and Differentiation of Highly Virulent and Classical Chinese-Type Isolation of PRRSV by Real-Time RT-PCR. Journal of Immunology Research, 2014, 2014, 1-7.	2.2	14
44	Inhibition of replication of porcine reproductive and respiratory syndrome virus by hemin is highly dependent on heme oxygenase-1, but independent of iron in MARC-145 cells. Antiviral Research, 2014, 105, 39-46.	4.1	12