

Xiaohong Liu

List of Publications by Year in descending order

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44
papers

670
citations

567281

15
h-index

677142

22
g-index

44
all docs

44
docs citations

44
times ranked

861
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Frontiers in Immunology</i> , 2019, 10, 1846.	4.8	48
2	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. <i>Transgenic Research</i> , 2019, 28, 141-150.	2.4	45
3	TREM2 suppresses the proinflammatory response to facilitate PRRSV infection via PI3K/NF- κ B signaling. <i>PLoS Pathogens</i> , 2020, 16, e1008543.	4.7	44
4	Analysis of reasons for sow culling and seasonal effects on reproductive disorders in Southern China. <i>Animal Reproduction Science</i> , 2015, 159, 191-197.	1.5	39
5	Heparanase Upregulation Contributes to Porcine Reproductive and Respiratory Syndrome Virus Release. <i>Journal of Virology</i> , 2017, 91, .	3.4	32
6	Weighted single-step GWAS identified candidate genes associated with semen traits in a Duroc boar population. <i>BMC Genomics</i> , 2019, 20, 797.	2.8	27
7	Precise editing of myostatin signal peptide by CRISPR/Cas9 increases the muscle mass of Liang Guang Small Spotted pigs. <i>Transgenic Research</i> , 2020, 29, 149-163.	2.4	27
8	Chlorine dioxide inhibits the replication of porcine reproductive and respiratory syndrome virus by blocking viral attachment. <i>Infection, Genetics and Evolution</i> , 2019, 67, 78-87.	2.3	26
9	Cecropin P1 inhibits porcine reproductive and respiratory syndrome virus by blocking attachment. <i>BMC Microbiology</i> , 2014, 14, 273.	3.3	25
10	Transcriptome Landscape of Porcine Intramuscular Adipocytes during Differentiation. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 6317-6328.	5.2	25
11	Inhibition of porcine reproductive and respiratory syndrome virus by Cecropin D in vitro. <i>Infection, Genetics and Evolution</i> , 2015, 34, 7-16.	2.3	21
12	miR-709 modulates LPS-induced inflammatory response through targeting GSK-3 β . <i>International Immunopharmacology</i> , 2016, 36, 333-338.	3.8	20
13	Development and clinical application of a novel CRISPR-Cas12a based assay for the detection of African swine fever virus. <i>BMC Microbiology</i> , 2020, 20, 282.	3.3	19
14	An integrated analysis of membrane remodeling during porcine reproductive and respiratory syndrome virus replication and assembly. <i>PLoS ONE</i> , 2018, 13, e0200919.	2.5	18
15	Bone Morphogenetic Protein 15 Knockdown Inhibits Porcine Ovarian Follicular Development and Ovulation. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 286.	3.7	18
16	HMGB2 orchestrates mitotic clonal expansion by binding to the promoter of C/EBP β to facilitate adipogenesis. <i>Cell Death and Disease</i> , 2021, 12, 666.	6.3	16
17	CD163 β SRCR5 MARC-145 Cells Resist PRRSV-2 Infection via Inhibiting Virus Uncoating, Which Requires the Interaction of CD163 With Calpain 1. <i>Frontiers in Microbiology</i> , 2019, 10, 3115.	3.5	15
18	Lipopolysaccharide Downregulates CD163 Expression to Inhibit PRRSV Infection via TLR4-NF- κ B Pathway. <i>Frontiers in Microbiology</i> , 2020, 11, 501.	3.5	15

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19	Simultaneous Detection and Differentiation of Highly Virulent and Classical Chinese-Type Isolation of PRRSV by Real-Time RT-PCR. <i>Journal of Immunology Research</i> , 2014, 2014, 1-7.	2.2	14
20	Inhibitory Effect of Iota-carrageenan on Porcine Reproductive and Respiratory Syndrome Virus <i>in Vitro</i> . <i>Antiviral Therapy</i> , 2019, 24, 261-270.	1.0	14
21	Pyrithione inhibits porcine reproductive and respiratory syndrome virus replication through interfering with NF- κ B and heparanase. <i>Veterinary Microbiology</i> , 2017, 201, 231-239.	1.9	13
22	Functional Analysis of KIT Gene Structural Mutations Causing the Porcine Dominant White Phenotype Using Genome Edited Mouse Models. <i>Frontiers in Genetics</i> , 2020, 11, 138.	2.3	13
23	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. <i>Antiviral Research</i> , 2014, 105, 39-46.	4.1	12
24	CD44 deficiency leads to decreased proinflammatory cytokine production in lung induced by PCV2 in mice. <i>Research in Veterinary Science</i> , 2014, 97, 498-504.	1.9	11
25	CD44 enhances macrophage phagocytosis and plays a protective role in <i>Streptococcus equi</i> subsp. <i>zooepidemicus</i> infection. <i>Veterinary Microbiology</i> , 2017, 198, 121-126.	1.9	11
26	Earlier demethylation of myogenic genes contributes to embryonic precocious terminal differentiation of myoblasts in miniature pigs. <i>FASEB Journal</i> , 2019, 33, 9638-9655.	0.5	11
27	Estimation of genetic parameters and season effects for semen traits in three pig breeds of South China. <i>Journal of Animal Breeding and Genetics</i> , 2019, 136, 183-189.	2.0	11
28	Antiviral Mechanism of Tea Polyphenols against Porcine Reproductive and Respiratory Syndrome Virus. <i>Pathogens</i> , 2021, 10, 202.	2.8	10
29	Involvement of PRRSV NSP3 and NSP5 in the autophagy process. <i>Virology Journal</i> , 2019, 16, 13.	3.4	9
30	PRRSV Infection Induces Gasdermin D-Driven Pyroptosis of Porcine Alveolar Macrophages through NLRP3 Inflammasome Activation. <i>Journal of Virology</i> , 2022, 96, .	3.4	9
31	Genetic Characterization and Variation of African Swine Fever Virus China/GD/2019 Strain in Domestic Pigs. <i>Pathogens</i> , 2022, 11, 97.	2.8	8
32	CD44 deficiency enhanced <i>Streptococcus equi</i> ssp. <i>zooepidemicus</i> dissemination and inflammation response in a mouse model. <i>Research in Veterinary Science</i> , 2017, 115, 96-101.	1.9	7
33	Comparative Transcriptome Analysis Reveals a More Complicated Adipogenic Process in Intramuscular Stem Cells than That of Subcutaneous Vascular Stem Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 4700-4708.	5.2	7
34	Characterization of SeseC_01411 as a surface protective antigen of <i>Streptococcus equi</i> ssp. <i>zooepidemicus</i> . <i>Research in Veterinary Science</i> , 2018, 118, 517-521.	1.9	6
35	Efficient generation of bone morphogenetic protein 15-edited Yorkshire pigs using CRISPR/Cas9. <i>Biology of Reproduction</i> , 2020, 103, 1054-1068.	2.7	5
36	The SNPs in myoD gene from normal muscle developing individuals have no effect on muscle mass. <i>BMC Genetics</i> , 2019, 20, 72.	2.7	4

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37	Chlorine Dioxide Inhibits African Swine Fever Virus by Blocking Viral Attachment and Destroying Viral Nucleic Acids and Proteins. <i>Frontiers in Veterinary Science</i> , 2022, 9, 844058.	2.2	4
38	Editing the cystine knot motif of MSTN enhances muscle development of Liang Guang Small Spotted pigs. <i>Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji</i> , 2021, 43, 261-270.	0.2	4
39	CD44 facilitates adherence of <i>Streptococcus equi</i> subsp. <i>zooepidemicus</i> to LA-4 cells. <i>Microbial Pathogenesis</i> , 2019, 128, 250-253.	2.9	2
40	Highly efficient correction of structural mutations of 450â€%kb KIT locus in kidney cells of Yorkshire pig by CRISPR/Cas9. <i>BMC Molecular and Cell Biology</i> , 2019, 20, 4.	2.0	1
41	The influence of a first-order antedependence model and hyperparameters in BayesCĒ for genomic prediction. <i>Asian-Australasian Journal of Animal Sciences</i> , 2018, 31, 1863-1870.	2.4	1
42	Effects of bone morphogenetic protein 15 (BMP15) knockdown on porcine testis morphology and spermatogenesis. <i>Reproduction, Fertility and Development</i> , 2020, 32, 999.	0.4	1
43	Exostosin glycosyltransferase 1 reduces porcine reproductive and respiratory syndrome virus infection through proteasomal degradation of nsp3 and nsp5. <i>Journal of Biological Chemistry</i> , 2022, 298, 101548.	3.4	1
44	Functional characterization of cAMP signaling of variant porcine <i>MC1R</i> alleles in PK15 cells. <i>Animal Genetics</i> , 2022, , .	1.7	1