

Lei Zhou

List of Publications by Year in descending order

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82
papers

2,584
citations

257450

24
h-index

214800

47
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82
all docs

82
docs citations

82
times ranked

1608
citing authors

#	ARTICLE	IF	CITATIONS
1	Porcine reproductive and respiratory syndrome in China. <i>Virus Research</i> , 2010, 154, 31-37.	2.2	249
2	The 30-Amino-Acid Deletion in the Nsp2 of Highly Pathogenic Porcine Reproductive and Respiratory Syndrome Virus Emerging in China Is Not Related to Its Virulence. <i>Journal of Virology</i> , 2009, 83, 5156-5167.	3.4	238
3	NADC30-like Strain of Porcine Reproductive and Respiratory Syndrome Virus, China. <i>Emerging Infectious Diseases</i> , 2015, 21, 2256-2257.	4.3	171
4	Nsp9 and Nsp10 Contribute to the Fatal Virulence of Highly Pathogenic Porcine Reproductive and Respiratory Syndrome Virus Emerging in China. <i>PLoS Pathogens</i> , 2014, 10, e1004216.	4.7	136
5	Pathogenesis and control of the Chinese highly pathogenic porcine reproductive and respiratory syndrome virus. <i>Veterinary Microbiology</i> , 2017, 209, 30-47.	1.9	116
6	Molecular variation analysis of porcine reproductive and respiratory syndrome virus in China. <i>Virus Research</i> , 2009, 145, 97-105.	2.2	97
7	A recombinant type 2 porcine reproductive and respiratory syndrome virus between NADC30-like and a MLV-like: Genetic characterization and pathogenicity for piglets. <i>Infection, Genetics and Evolution</i> , 2017, 54, 279-286.	2.3	67
8	Efficacy evaluation of three modified-live virus vaccines against a strain of porcine reproductive and respiratory syndrome virus NADC30-like. <i>Veterinary Microbiology</i> , 2017, 207, 108-116.	1.9	67
9	The Natural Compound Homoharringtonine Presents Broad Antiviral Activity In Vitro and In Vivo. <i>Viruses</i> , 2018, 10, 601.	3.3	64
10	Phylogenetic analysis of porcine epidemic diarrhea virus field strains prevailing recently in China. <i>Archives of Virology</i> , 2013, 158, 711-715.	2.1	60
11	Computer-aided codon-pairs deoptimization of the major envelope GP5 gene attenuates porcine reproductive and respiratory syndrome virus. <i>Virology</i> , 2014, 450-451, 132-139.	2.4	60
12	The DEAD-box RNA helicase 5 positively regulates the replication of porcine reproductive and respiratory syndrome virus by interacting with viral Nsp9 in vitro. <i>Virus Research</i> , 2015, 195, 217-224.	2.2	51
13	Porcine Reproductive and Respiratory Syndrome Modified Live Virus Vaccine: A "Leaky" Vaccine with Debatable Efficacy and Safety. <i>Vaccines</i> , 2021, 9, 362.	4.4	47
14	Genetic Diversity Analysis of Genotype 2 Porcine Reproductive and Respiratory Syndrome Viruses Emerging in Recent Years in China. <i>BioMed Research International</i> , 2014, 2014, 1-13.	1.9	46
15	DNA shuffling of the GP3 genes of porcine reproductive and respiratory syndrome virus (PRRSV) produces a chimeric virus with an improved cross-neutralizing ability against a heterologous PRRSV strain. <i>Virology</i> , 2012, 434, 96-109.	2.4	45
16	Targeting Swine Leukocyte Antigen Class I Molecules for Proteasomal Degradation by the nsp1± Replicase Protein of the Chinese Highly Pathogenic Porcine Reproductive and Respiratory Syndrome Virus Strain JXwn06. <i>Journal of Virology</i> , 2016, 90, 682-693.	3.4	41
17	Porcine epidemic diarrhea virus S1 protein is the critical inducer of apoptosis. <i>Virology Journal</i> , 2018, 15, 170.	3.4	35
18	The S Gene Is Necessary but Not Sufficient for the Virulence of Porcine Epidemic Diarrhea Virus Novel Variant Strain BJ2011C. <i>Journal of Virology</i> , 2018, 92, .	3.4	33

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19	Porcine reproductive and respiratory syndrome virus counteracts the porcine intrinsic virus restriction factors IFITM1 and Tetherin in MARC-145 cells. <i>Virus Research</i> , 2014, 191, 92-100.	2.2	32
20	Genomic organization and molecular characterization of porcine cytomegalovirus. <i>Virology</i> , 2014, 460-461, 165-172.	2.4	32
21	Induction of Apoptosis by the Nonstructural Protein 4 and 10 of Porcine Reproductive and Respiratory Syndrome Virus. <i>PLoS ONE</i> , 2016, 11, e0156518.	2.5	32
22	The interaction of nonstructural protein 9 with retinoblastoma protein benefits the replication of genotype 2 porcine reproductive and respiratory syndrome virus in vitro. <i>Virology</i> , 2014, 464-465, 432-440.	2.4	31
23	Genomic characterization and pathogenicity of a strain of type 1 porcine reproductive and respiratory syndrome virus. <i>Virus Research</i> , 2016, 225, 40-49.	2.2	31
24	The nsp2 Hypervariable Region of Porcine Reproductive and Respiratory Syndrome Virus Strain JXwn06 Is Associated with Viral Cellular Tropism to Primary Porcine Alveolar Macrophages. <i>Journal of Virology</i> , 2019, 93, .	3.4	30
25	Both Nsp1 ^{Δ2} and Nsp11 are responsible for differential TNF- α production induced by porcine reproductive and respiratory syndrome virus strains with different pathogenicity in vitro. <i>Virus Research</i> , 2015, 201, 32-40.	2.2	28
26	Mapping the Nonstructural Protein Interaction Network of Porcine Reproductive and Respiratory Syndrome Virus. <i>Journal of Virology</i> , 2018, 92, .	3.4	28
27	Fine mapping of the awn gene on chromosome 4 in rice by association and linkage analyses. <i>Science Bulletin</i> , 2011, 56, 835-839.	1.7	26
28	The amino acid at residue 155 in nonstructural protein 4 of porcine reproductive and respiratory syndrome virus contributes to its inhibitory effect for interferon- β transcription in vitro. <i>Virus Research</i> , 2014, 189, 226-234.	2.2	26
29	Development of a fluorescent probe-based real-time reverse transcription recombinase-aided amplification assay for the rapid detection of classical swine fever virus. <i>Transboundary and Emerging Diseases</i> , 2021, 68, 2017-2027.	3.0	26
30	Broadening the Heterologous Cross-Neutralizing Antibody Inducing Ability of Porcine Reproductive and Respiratory Syndrome Virus by Breeding the GP4 or M genes. <i>PLoS ONE</i> , 2013, 8, e66645.	2.5	24
31	Cellular DEAD-box RNA helicase 18 (DDX18) Promotes the PRRSV Replication via Interaction with Virus nsp2 and nsp10. <i>Virus Research</i> , 2017, 238, 204-212.	2.2	24
32	Nonstructural protein 9 residues 586 and 592 are critical sites in determining the replication efficiency and fatal virulence of the Chinese highly pathogenic porcine reproductive and respiratory syndrome virus. <i>Virology</i> , 2018, 517, 135-147.	2.4	24
33	Evolutionary analysis of six isolates of porcine reproductive and respiratory syndrome virus from a single pig farm: MLV-evolved and recombinant viruses. <i>Infection, Genetics and Evolution</i> , 2018, 66, 111-119.	2.3	24
34	Transcriptome Analysis Reveals Dynamic Gene Expression Profiles in Porcine Alveolar Macrophages in Response to the Chinese Highly Pathogenic Porcine Reproductive and Respiratory Syndrome Virus. <i>BioMed Research International</i> , 2018, 2018, 1-23.	1.9	24
35	Glycoproteins C and D of PRV Strain HB1201 Contribute Individually to the Escape From Bartha-K61 Vaccine-Induced Immunity. <i>Frontiers in Microbiology</i> , 2020, 11, 323.	3.5	24
36	Efficacy evaluation of two commercial modified-live virus vaccines against a novel recombinant type 2 porcine reproductive and respiratory syndrome virus. <i>Veterinary Microbiology</i> , 2018, 216, 176-182.	1.9	23

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37	High reversion potential of a cell-adapted vaccine candidate against highly pathogenic porcine reproductive and respiratory syndrome. <i>Veterinary Microbiology</i> , 2018, 227, 133-142.	1.9	23
38	Porcine reproductive and respiratory syndrome virus nsp1 ^{Δ2} and nsp11 antagonize the antiviral activity of cholesterol-25-hydroxylase via lysosomal degradation. <i>Veterinary Microbiology</i> , 2018, 223, 134-143.	1.9	23
39	Nsp2 and GP5-M of Porcine Reproductive and Respiratory Syndrome Virus Contribute to Targets for Neutralizing Antibodies. <i>Virologica Sinica</i> , 2019, 34, 631-640.	3.0	22
40	Comparison of commercial enzyme-linked immunosorbent assays and fluorescent microbead immunoassays for detection of antibodies against porcine reproductive and respiratory syndrome virus in boars. <i>Journal of Virological Methods</i> , 2014, 197, 63-66.	2.1	19
41	Development of the full-length cDNA clones of two porcine epidemic diarrhea disease virus isolates with different virulence. <i>PLoS ONE</i> , 2017, 12, e0173998.	2.5	19
42	Chimeric porcine reproductive and respiratory syndrome virus containing shuffled multiple envelope genes confers cross-protection in pigs. <i>Virology</i> , 2015, 485, 402-413.	2.4	18
43	TNF- α induced by porcine reproductive and respiratory syndrome virus inhibits the replication of classical swine fever virus C-strain. <i>Veterinary Microbiology</i> , 2019, 234, 25-33.	1.9	17
44	A strain of porcine deltacoronavirus: Genomic characterization, pathogenicity and its full-length cDNA infectious clone. <i>Transboundary and Emerging Diseases</i> , 2021, 68, 2130-2146.	3.0	17
45	Interactome Profile of the Host Cellular Proteins and the Nonstructural Protein 2 of Porcine Reproductive and Respiratory Syndrome Virus. <i>PLoS ONE</i> , 2014, 9, e99176.	2.5	16
46	Quantitative Proteomic Analysis of Porcine Intestinal Epithelial Cells Infected with Porcine Deltacoronavirus Using iTRAQ-Coupled LC-MS/MS. <i>Journal of Proteome Research</i> , 2020, 19, 4470-4485.	3.7	16
47	Highly Pathogenic PRRSV-Infected Alveolar Macrophages Impair the Function of Pulmonary Microvascular Endothelial Cells. <i>Viruses</i> , 2022, 14, 452.	3.3	16
48	Capsid, membrane and NS3 are the major viral proteins involved in autophagy induced by Japanese encephalitis virus. <i>Veterinary Microbiology</i> , 2015, 178, 217-229.	1.9	15
49	Antiviral Effect of 25-Hydroxycholesterol against Porcine Reproductive and Respiratory Syndrome virus <i>in vitro</i> . <i>Antiviral Therapy</i> , 2018, 23, 395-404.	1.0	15
50	Comparative Analysis of the Gut Microbial Communities of the Eurasian Kestrel (<i>Falco tinnunculus</i>) at Different Developmental Stages. <i>Frontiers in Microbiology</i> , 2020, 11, 592539.	3.5	15
51	Interaction of porcine reproductive and respiratory syndrome virus proteins with SUMO-conjugating enzyme reveals the SUMOylation of nucleocapsid protein. <i>PLoS ONE</i> , 2017, 12, e0189191.	2.5	13
52	Interleukin-2 enhancer binding factor 2 interacts with the nsp9 or nsp2 of porcine reproductive and respiratory syndrome virus and exerts negatively regulatory effect on the viral replication. <i>Virology Journal</i> , 2017, 14, 125.	3.4	13
53	Pseudorabies virus infection inhibits stress granules formation via dephosphorylating eIF2 α . <i>Veterinary Microbiology</i> , 2020, 247, 108786.	1.9	13
54	The pUL56 of pseudorabies virus variant induces downregulation of swine leukocyte antigen class I molecules through the lysosome pathway. <i>Virus Research</i> , 2018, 251, 56-67.	2.2	12

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55	Detection of pseudorabies virus with a real-time recombinase-aided amplification assay. <i>Transboundary and Emerging Diseases</i> , 2022, 69, 2266-2274.	3.0	12
56	Viral evasion of PKR restriction by reprogramming cellular stress granules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	11
57	Epitope mapping and characterization of a novel Nsp10-specific monoclonal antibody that differentiates genotype 2 PRRSV from genotype 1 PRRSV. <i>Virology Journal</i> , 2017, 14, 116.	3.4	10
58	The Chinese highly pathogenic porcine reproductive and respiratory syndrome virus infection suppresses Th17 cells response in vivo. <i>Veterinary Microbiology</i> , 2016, 189, 75-85.	1.9	9
59	Application of RNAscope technology to studying the infection dynamics of a Chinese porcine epidemic diarrhea virus variant strain BJ2011C in neonatal piglets. <i>Veterinary Microbiology</i> , 2019, 235, 220-228.	1.9	9
60	Developing a Triple Transgenic Cell Line for High-Efficiency Porcine Reproductive and Respiratory Syndrome Virus Infection. <i>PLoS ONE</i> , 2016, 11, e0154238.	2.5	9
61	Complete Genome Sequence of Porcine Epidemic Diarrhea Virus from an Outbreak in a Vaccinated Farm in Shandong, China. <i>Genome Announcements</i> , 2016, 4, .	0.8	8
62	Identification of a novel linear B-cell epitope in nonstructural protein 11 of porcine reproductive and respiratory syndrome virus that are conserved in both genotypes. <i>PLoS ONE</i> , 2017, 12, e0188946.	2.5	8
63	Characterizing the PRRSV nsp2 Deubiquitinase Reveals Dispensability of Cis-Activity for Replication and a Link of nsp2 to Inflammation Induction. <i>Viruses</i> , 2019, 11, 896.	3.3	8
64	IL-1 β induced by PRRSV co-infection inhibited CSFV C-strain proliferation via the TLR4/NF- κ B/MAPK pathways and the NLRP3 inflammasome. <i>Veterinary Microbiology</i> , 2022, 273, 109513.	1.9	8
65	Identification of Nonstructural Protein 8 as the N-Terminus of the RNA-Dependent RNA Polymerase of Porcine Reproductive and Respiratory Syndrome Virus. <i>Virologica Sinica</i> , 2018, 33, 429-439.	3.0	7
66	Identification of an Intramolecular Switch That Controls the Interaction of Helicase nsp10 with Membrane-Associated nsp12 of Porcine Reproductive and Respiratory Syndrome Virus. <i>Journal of Virology</i> , 2021, 95, e0051821.	3.4	7
67	Development of a VP2-based real-time fluorescent reverse transcription recombinase-aided amplification assay to rapidly detect Senecavirus A. <i>Transboundary and Emerging Diseases</i> , 2022, 69, 2828-2839.	3.0	7
68	The gut microbiota of bats confers tolerance to influenza virus (H1N1) infection in mice. <i>Transboundary and Emerging Diseases</i> , 2022, 69, .	3.0	7
69	Critical role of cytochrome c1 and its cleavage in porcine reproductive and respiratory syndrome virus nonstructural protein 4-induced cell apoptosis via interaction with nsp4. <i>Journal of Integrative Agriculture</i> , 2017, 16, 2573-2585.	3.5	6
70	Construction of a Porcine Reproductive and Respiratory Syndrome Virus with Nanoluc Luciferase Reporter: a Stable and Highly Efficient Tool for Viral Quantification Both <i>In Vitro</i> and <i>In Vivo</i> . <i>Microbiology Spectrum</i> , 2022, 10, .	3.0	6
71	Porcine reproductive and respiratory syndrome virus suppresses post-transcriptionally the protein expression of IFN- β by upregulating cellular microRNAs in porcine alveolar macrophages in vitro. <i>Experimental and Therapeutic Medicine</i> , 2018, 15, 115-126.	1.8	5
72	Induction of Rod-Shaped Structures by Herpes Simplex Virus Glycoprotein I. <i>Journal of Virology</i> , 2020, 94, .	3.4	5

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73	Attenuation of porcine deltacoronavirus disease severity by porcine reproductive and respiratory syndrome virus coinfection in a weaning pig model. <i>Virulence</i> , 2021, 12, 1011-1021.	4.4	5
74	PRRSV Promotes MARC-145 Cells Entry Into S Phase of the Cell Cycle to Facilitate Viral Replication via Degradation of p21 by nsp11. <i>Frontiers in Veterinary Science</i> , 2021, 8, 642095.	2.2	5
75	Comparative Proteomic Analysis Reveals Mx1 Inhibits Senecavirus A Replication in PK-15 Cells by Interacting with the Capsid Proteins VP1, VP2 and VP3. <i>Viruses</i> , 2022, 14, 863.	3.3	4
76	Prevalence and Evolution Analysis of Porcine Circovirus 3 in China from 2018 to 2022. <i>Animals</i> , 2022, 12, 1588.	2.3	4
77	Identification of the strain-specifically truncated nonstructural protein 10 of porcine reproductive and respiratory syndrome virus in infected cells. <i>Journal of Integrative Agriculture</i> , 2018, 17, 1171-1180.	3.5	3
78	Evolutionary Patterns of Codon Usage in Major Lineages of Porcine Reproductive and Respiratory Syndrome Virus in China. <i>Viruses</i> , 2021, 13, 1044.	3.3	3
79	Proteomic Analysis of Vero Cells Infected with Pseudorabies Virus. <i>Viruses</i> , 2022, 14, 755.	3.3	2
80	Over-expression of CD163, CD169, and CD151 is not sufficient to improve the susceptibility to porcine reproductive and respiratory syndrome virus infection in transgenic mice. <i>Science Bulletin</i> , 2017, 62, 1634-1636.	9.0	1
81	Identification of three site mutations in nonstructural protein 1 ² , glycoprotein 3 and glycoprotein 5 that correlate with increased interferon 1 resistance of porcine reproductive and respiratory syndrome virus. <i>Veterinary Microbiology</i> , 2019, 236, 108395.	1.9	1
82	Mapping the Key Residues within the Porcine Reproductive and Respiratory Syndrome Virus nsp1 Replicase Protein Required for Degradation of Swine Leukocyte Antigen Class I Molecules. <i>Viruses</i> , 2022, 14, 690.	3.3	0