

# Xin Guo

## List of Publications by Year in descending order

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86  
papers

2,553  
citations

218592

26  
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223716

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86  
docs citations

86  
times ranked

1628  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of pseudorabies virus with a real-time recombinase-aided amplification assay. <i>Transboundary and Emerging Diseases</i> , 2022, 69, 2266-2274.	1.3	12
2	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.	1.3	7
3	Effect of traditional chinese medicine (TCM) and its fermentation using <i>Lactobacillus plantarum</i> on ceftriaxone sodium-induced dysbacteriotic diarrhea in mice. <i>Chinese Medicine</i> , 2022, 17, 20.	1.6	9
4	Immunogenicity of an inactivated novel goose parvovirus vaccine for short beak and dwarfism syndrome in Cherry Valley ducks. <i>Archives of Virology</i> , 2022, 167, 881.	0.9	1
5	Highly Pathogenic PRRSV-Infected Alveolar Macrophages Impair the Function of Pulmonary Microvascular Endothelial Cells. <i>Viruses</i> , 2022, 14, 452.	1.5	16
6	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.	1.5	0
7	Proteomic Analysis of Vero Cells Infected with Pseudorabies Virus. <i>Viruses</i> , 2022, 14, 755.	1.5	2
8	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.	1.5	4
9	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, .	1.2	6
10	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, .	3.3	11
11	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.	1.3	26
12	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.	1.3	17
13	Effect of exercise on microglial activation and transcriptome of hippocampus in fluorosis mice. <i>Science of the Total Environment</i> , 2021, 760, 143376.	3.9	29
14	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.	1.8	5
15	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.	0.9	5
16	Evolutionary Patterns of Codon Usage in Major Lineages of Porcine Reproductive and Respiratory Syndrome Virus in China. <i>Viruses</i> , 2021, 13, 1044.	1.5	3
17	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.	1.5	7
18	Mutations in the Methyltransferase Motifs of L Protein Attenuate Newcastle Disease Virus by Regulating Viral Translation and Cell-to-Cell Spread. <i>Microbiology Spectrum</i> , 2021, 9, e0131221.	1.2	7

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19	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.	1.8	16
20	Pseudorabies virus infection inhibits stress granules formation via dephosphorylating eIF2 $\beta$ . <i>Veterinary Microbiology</i> , 2020, 247, 108786.	0.8	13
21	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.	1.5	24
22	Induction of Rod-Shaped Structures by Herpes Simplex Virus Glycoprotein I. <i>Journal of Virology</i> , 2020, 94, .	1.5	5
23	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.	0.8	9
24	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.	1.2	22
25	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.	1.5	8
26	Identification of three site mutations in nonstructural protein 1 $\beta$ , glycoprotein 3 and glycoprotein 5 that correlate with increased interferon $\alpha$ resistance of porcine reproductive and respiratory syndrome virus. <i>Veterinary Microbiology</i> , 2019, 236, 108395.	0.8	1
27	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, .	1.5	30
28	TNF- $\alpha$ 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.	0.8	17
29	Reprogramming the unfolded protein response for replication by porcine reproductive and respiratory syndrome virus. <i>PLoS Pathogens</i> , 2019, 15, e1008169.	2.1	32
30	Porcine reproductive and respiratory syndrome virus suppresses post-transcriptionally the protein expression of IFN- $\beta$ by upregulating cellular microRNAs in porcine alveolar macrophages in vitro. <i>Experimental and Therapeutic Medicine</i> , 2018, 15, 115-126.	0.8	5
31	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.	1.1	24
32	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.	1.1	12
33	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, .	1.5	33
34	Antiviral Effect of 25-Hydroxycholesterol against Porcine Reproductive and Respiratory Syndrome virus <i>in vitro</i> . <i>Antiviral Therapy</i> , 2018, 23, 395-404.	0.6	15
35	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.	1.7	3
36	Porcine epidemic diarrhea virus S1 protein is the critical inducer of apoptosis. <i>Virology Journal</i> , 2018, 15, 170.	1.4	35

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37	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.	1.0	24
38	Mapping the Nonstructural Protein Interaction Network of Porcine Reproductive and Respiratory Syndrome Virus. <i>Journal of Virology</i> , 2018, 92, .	1.5	28
39	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.	1.2	7
40	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.	0.9	24
41	Porcine reproductive and respiratory syndrome virus nsp1 <sup>Δ</sup> 2 and nsp11 antagonize the antiviral activity of cholesterol-25-hydroxylase via lysosomal degradation. <i>Veterinary Microbiology</i> , 2018, 223, 134-143.	0.8	23
42	Pathogenesis and control of the Chinese highly pathogenic porcine reproductive and respiratory syndrome virus. <i>Veterinary Microbiology</i> , 2017, 209, 30-47.	0.8	116
43	PA-X protein contributes to virulence of triple-reassortant H1N2 influenza virus by suppressing early immune responses in swine. <i>Virology</i> , 2017, 508, 45-53.	1.1	21
44	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.	1.0	67
45	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.	0.8	67
46	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.	1.1	24
47	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.	1.4	10
48	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.	1.7	6
49	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.	1.1	8
50	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.	1.1	13
51	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.	1.4	13
52	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.	1.1	19
53	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.	0.8	9
54	Genomic characterization and pathogenicity of a strain of type 1 porcine reproductive and respiratory syndrome virus. <i>Virus Research</i> , 2016, 225, 40-49.	1.1	31

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55	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
56	The cellular interactome for glycoprotein 5 of the Chinese highly pathogenic porcine reproductive and respiratory syndrome virus. <i>Journal of Integrative Agriculture</i> , 2016, 15, 1833-1845.	1.7	2
57	Truncation of C-terminal 20 amino acids in PA-X contributes to adaptation of swine influenza virus in pigs. <i>Scientific Reports</i> , 2016, 6, 21845.	1.6	18
58	Transmission and pathogenicity of novel reassortants derived from Eurasian avian-like and 2009 pandemic H1N1 influenza viruses in mice and guinea pigs. <i>Scientific Reports</i> , 2016, 6, 27067.	1.6	12
59	Targeting Swine Leukocyte Antigen Class I Molecules for Proteasomal Degradation by the nsp1 <sup>±</sup> Replicase Protein of the Chinese Highly Pathogenic Porcine Reproductive and Respiratory Syndrome Virus Strain JXwn06. <i>Journal of Virology</i> , 2016, 90, 682-693.	1.5	41
60	Induction of Apoptosis by the Nonstructural Protein 4 and 10 of Porcine Reproductive and Respiratory Syndrome Virus. <i>PLoS ONE</i> , 2016, 11, e0156518.	1.1	32
61	NADC30-like Strain of Porcine Reproductive and Respiratory Syndrome Virus, China. <i>Emerging Infectious Diseases</i> , 2015, 21, 2256-2257.	2.0	171
62	Recombinant Encephalomyocarditis Viruses Elicit Neutralizing Antibodies against PRRSV and CSFV in Mice. <i>PLoS ONE</i> , 2015, 10, e0129729.	1.1	2
63	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.	0.8	15
64	Both Nsp1 <sup>±</sup> and Nsp11 are responsible for differential TNF- $\alpha$ production induced by porcine reproductive and respiratory syndrome virus strains with different pathogenicity in vitro. <i>Virus Research</i> , 2015, 201, 32-40.	1.1	28
65	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.	1.1	51
66	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.	1.1	16
67	Unique Epitopes Recognized by Monoclonal Antibodies against HP-PRRSV: Deep Understanding of Antigenic Structure and Virus-Antibody Interaction. <i>PLoS ONE</i> , 2014, 9, e111633.	1.1	16
68	Porcine reproductive and respiratory syndrome virus counteracts the porcine intrinsic virus restriction factors $\beta$ IFITM1 and Tetherin in MARC-145 cells. <i>Virus Research</i> , 2014, 191, 92-100.	1.1	32
69	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.	2.1	136
70	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.	1.1	31
71	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.	0.9	46
72	Nonstructural proteins 2C and 3D are involved in autophagy as induced by the encephalomyocarditis virus. <i>Virology Journal</i> , 2014, 11, 156.	1.4	24

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73	Influenza A Virus Acquires Enhanced Pathogenicity and Transmissibility after Serial Passages in Swine. <i>Journal of Virology</i> , 2014, 88, 11981-11994.	1.5	24
74	The amino acid at residue 155 in nonstructural protein 4 of porcine reproductive and respiratory syndrome virus contributes to its inhibitory effect for interferon- $\beta$ transcription in vitro. <i>Virus Research</i> , 2014, 189, 226-234.	1.1	26
75	Genomic organization and molecular characterization of porcine cytomegalovirus. <i>Virology</i> , 2014, 460-461, 165-172.	1.1	32
76	Phylogenetic analysis of porcine epidemic diarrhea virus field strains prevailing recently in China. <i>Archives of Virology</i> , 2013, 158, 711-715.	0.9	60
77	Interaction of cellular poly(C)-binding protein 2 with nonstructural protein 1 $\beta$ is beneficial to Chinese highly pathogenic porcine reproductive and respiratory syndrome virus replication. <i>Virus Research</i> , 2012, 169, 222-230.	1.1	17
78	Chinese highly pathogenic porcine reproductive and respiratory syndrome virus exhibits more extensive tissue tropism for pigs. <i>Virology Journal</i> , 2012, 9, 203.	1.4	32
79	Autophagy sustains the replication of porcine reproductive and respiratory virus in host cells. <i>Virology</i> , 2012, 429, 136-147.	1.1	49
80	Recombination analyses between two strains of porcine reproductive and respiratory syndrome virus in vivo. <i>Virus Research</i> , 2011, 155, 473-486.	1.1	57
81	Autophagy promotes the replication of encephalomyocarditis virus in host cells. <i>Autophagy</i> , 2011, 7, 613-628.	4.3	86
82	Cytokine mRNA expression profiles in peripheral blood mononuclear cells from piglets experimentally co-infected with porcine reproductive and respiratory syndrome virus and porcine circovirus type 2. <i>Veterinary Microbiology</i> , 2010, 140, 155-160.	0.8	28
83	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.	1.5	238
84	Molecular variation analysis of porcine reproductive and respiratory syndrome virus in China. <i>Virus Research</i> , 2009, 145, 97-105.	1.1	97
85	Changes in the Cellular Proteins of Pulmonary Alveolar Macrophage Infected with Porcine Reproductive and Respiratory Syndrome Virus by Proteomics Analysis. <i>Journal of Proteome Research</i> , 2009, 8, 3091-3097.	1.8	99
86	Monoclonal antibody and porcine antisera recognized B-cell epitopes of Nsp2 protein of a Chinese strain of porcine reproductive and respiratory syndrome virus. <i>Virus Research</i> , 2007, 126, 207-215.	1.1	46