

Jianqiang Zhang

List of Publications by Year in descending order

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90
papers

2,935
citations

186265

28
h-index

197818

49
g-index

99
all docs

99
docs citations

99
times ranked

2016
citing authors

#	ARTICLE	IF	CITATIONS
1	Isolation and Characterization of Porcine Epidemic Diarrhea Viruses Associated with the 2013 Disease Outbreak among Swine in the United States. <i>Journal of Clinical Microbiology</i> , 2014, 52, 234-243.	3.9	352
2	Role of Transportation in Spread of Porcine Epidemic Diarrhea Virus Infection, United States. <i>Emerging Infectious Diseases</i> , 2014, 20, 872-874.	4.3	191
3	Pathogenicity and pathogenesis of a United States porcine deltacoronavirus cell culture isolate in 5-day-old neonatal piglets. <i>Virology</i> , 2015, 482, 51-59.	2.4	141
4	Porcine deltacoronavirus: Overview of infection dynamics, diagnostic methods, prevalence and genetic evolution. <i>Virus Research</i> , 2016, 226, 71-84.	2.2	136
5	Full-Length Genome Sequence of Porcine Deltacoronavirus Strain USA/IA/2014/8734. <i>Genome Announcements</i> , 2014, 2, .	0.8	104
6	Effect of Porcine Epidemic Diarrhea Virus Infectious Doses on Infection Outcomes in Na ⁺ -ve Conventional Neonatal and Weaned Pigs. <i>PLoS ONE</i> , 2015, 10, e0139266.	2.5	96
7	Novel Reassortant Human-Like H3N2 and H3N1 Influenza A Viruses Detected in Pigs Are Virulent and Antigenically Distinct from Swine Viruses Endemic to the United States. <i>Journal of Virology</i> , 2015, 89, 11213-11222.	3.4	84
8	Pathogenesis comparison between the United States porcine epidemic diarrhoea virus prototype and S-INDEL-variant strains in conventional neonatal piglets. <i>Journal of General Virology</i> , 2016, 97, 1107-1121.	2.9	78
9	Porcine reproductive and respiratory disease virus: Evolution and recombination yields distinct ORF5 RFLP 1-7-4 viruses with individual pathogenicity. <i>Virology</i> , 2018, 513, 168-179.	2.4	75
10	High-throughput whole genome sequencing of <i>Porcine reproductive and respiratory syndrome virus</i> from cell culture materials and clinical specimens using next-generation sequencing technology. <i>Journal of Veterinary Diagnostic Investigation</i> , 2017, 29, 41-50.	1.1	70
11	Phylogenetics, Genomic Recombination, and NSP2 Polymorphic Patterns of Porcine Reproductive and Respiratory Syndrome Virus in China and the United States in 2014–2018. <i>Journal of Virology</i> , 2020, 94, .	3.4	69
12	Genomic and evolutionary inferences between American and global strains of porcine epidemic diarrhea virus. <i>Preventive Veterinary Medicine</i> , 2016, 123, 175-184.	1.9	60
13	Porcine epidemic diarrhea virus (PEDV) detection and antibody response in commercial growing pigs. <i>BMC Veterinary Research</i> , 2016, 12, 99.	1.9	58
14	Metagenomic analysis of the RNA fraction of the fecal virome indicates high diversity in pigs infected by porcine endemic diarrhea virus in the United States. <i>Virology Journal</i> , 2018, 15, 95.	3.4	57
15	Porcine Epidemic Diarrhea Virus RNA Present in Commercial Spray-Dried Porcine Plasma Is Not Infectious to Na ⁺ -ve Pigs. <i>PLoS ONE</i> , 2014, 9, e104766.	2.5	56
16	The spray-drying process is sufficient to inactivate infectious porcine epidemic diarrhea virus in plasma. <i>Veterinary Microbiology</i> , 2014, 174, 86-92.	1.9	54
17	Whole-Genome Sequences of Novel Porcine Circovirus Type 2 Viruses Detected in Swine from Mexico and the United States. <i>Genome Announcements</i> , 2015, 3, .	0.8	49
18	Evaluation of two singleplex reverse transcription-Insulated isothermal PCR tests and a duplex real-time RT-PCR test for the detection of porcine epidemic diarrhea virus and porcine deltacoronavirus. <i>Journal of Virological Methods</i> , 2016, 234, 34-42.	2.1	42

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19	Recombination between Vaccine and Field Strains of Porcine Reproductive and Respiratory Syndrome Virus. <i>Emerging Infectious Diseases</i> , 2019, 25, 2335-2337.	4.3	42
20	Reactivity of Porcine Epidemic Diarrhea Virus Structural Proteins to Antibodies against Porcine Enteric Coronaviruses: Diagnostic Implications. <i>Journal of Clinical Microbiology</i> , 2017, 55, 1426-1436.	3.9	41
21	Detection of live attenuated influenza vaccine virus and evidence of reassortment in the U.S. swine population. <i>Journal of Veterinary Diagnostic Investigation</i> , 2020, 32, 301-311.	1.1	39
22	Full-Length Genome Sequences of Senecavirus A from Recent Idiopathic Vesicular Disease Outbreaks in U.S. Swine. <i>Genome Announcements</i> , 2015, 3, .	0.8	37
23	The use of cells from ANPEP knockout pigs to evaluate the role of aminopeptidase N (APN) as a receptor for porcine deltacoronavirus (PDCoV). <i>Virology</i> , 2020, 541, 136-140.	2.4	37
24	The emergence of novel sparrow deltacoronaviruses in the United States more closely related to porcine deltacoronaviruses than sparrow deltacoronavirus HKU17. <i>Emerging Microbes and Infections</i> , 2018, 7, 1-4.	6.5	33
25	Evaluation of serological cross-reactivity and cross-neutralization between the United States porcine epidemic diarrhea virus prototype and S-INDEL-variant strains. <i>BMC Veterinary Research</i> , 2016, 12, 70.	1.9	31
26	PCR-based retrospective evaluation of diagnostic samples for emergence of porcine deltacoronavirus in US swine. <i>Veterinary Microbiology</i> , 2015, 179, 296-298.	1.9	29
27	Feed batch sequencing to decrease the risk of porcine epidemic diarrhea virus (PEDV) cross-contamination during feed manufacturing ¹ . <i>Journal of Animal Science</i> , 2018, 96, 4562-4570.	0.5	29
28	RNA Extraction from Swine Samples and Detection of Influenza A Virus in Swine by Real-Time RT-PCR. <i>Methods in Molecular Biology</i> , 2014, 1161, 277-293.	0.9	29
29	Evaluation of the efficacy of a commercial inactivated genogroup 2b-based porcine epidemic diarrhea virus (PEDV) vaccine and experimental live genogroup 1b exposure against 2b challenge. <i>Veterinary Research</i> , 2017, 48, 69.	3.0	28
30	Evaluation of the effects of flushing feed manufacturing equipment with chemically treated rice hulls on porcine epidemic diarrhea virus cross-contamination during feed manufacturing ¹ . <i>Journal of Animal Science</i> , 2018, 96, 4149-4158.	0.5	27
31	Detection and characterization of an H4N6 avian-lineage influenza A virus in pigs in the Midwestern United States. <i>Virology</i> , 2017, 511, 56-65.	2.4	26
32	Characterizing the rapid spread of porcine epidemic diarrhea virus (PEDV) through an animal food manufacturing facility. <i>PLoS ONE</i> , 2017, 12, e0187309.	2.5	26
33	Evaluation of humoral immune status in porcine epidemic diarrhea virus (PEDV) infected sows under field conditions. <i>Veterinary Research</i> , 2015, 46, 140.	3.0	24
34	Does Circulating Antibody Play a Role in the Protection of Piglets against Porcine Epidemic Diarrhea Virus?. <i>PLoS ONE</i> , 2016, 11, e0153041.	2.5	24
35	Detection, isolation, and in vitro characterization of porcine parainfluenza virus type 1 isolated from respiratory diagnostic specimens in swine. <i>Veterinary Microbiology</i> , 2019, 228, 219-225.	1.9	23
36	Assessing the effects of medium-chain fatty acids and fat sources on PEDV infectivity. <i>Translational Animal Science</i> , 2020, 4, 1051-1059.	1.1	23

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37	Complete Genome Sequences of Two Novel Human-Like H3N2 Influenza A Viruses, A/swine/Oklahoma/65980/2017 (H3N2) and A/Swine/Oklahoma/65260/2017 (H3N2), Detected in Swine in the United States. Microbiology Resource Announcements, 2018, 7, .	0.6	20
38	Isolation of Swine Influenza Virus in Cell Cultures and Embryonated Chicken Eggs. Methods in Molecular Biology, 2014, 1161, 265-276.	0.9	19
39	Development and evaluation of a real-time RT-PCR and a field-deployable RT-insulated isothermal PCR for the detection of Seneca Valley virus. BMC Veterinary Research, 2019, 15, 168.	1.9	18
40	Quantifying the effect of lactogenic antibody on porcine epidemic diarrhea virus infection in neonatal piglets. Veterinary Microbiology, 2016, 197, 83-92.	1.9	17
41	Evaluation of the Serologic Cross-Reactivity between Transmissible Gastroenteritis Coronavirus and Porcine Respiratory Coronavirus Using Commercial Blocking Enzyme-Linked Immunosorbent Assay Kits. MSphere, 2019, 4, .	2.9	16
42	Complete Coding Genome Sequence of a Novel Porcine Reproductive and Respiratory Syndrome Virus 2 Restriction Fragment Length Polymorphism 1-4-4 Lineage 1C Variant Identified in Iowa, USA. Microbiology Resource Announcements, 2021, 10, e0044821.	0.6	16
43	Evaluation of an accelerated hydrogen peroxide disinfectant to inactivate porcine epidemic diarrhea virus in swine feces on aluminum surfaces under freezing conditions. BMC Veterinary Research, 2017, 13, 372.	1.9	15
44	Hepatitis B core antigen based novel vaccine against porcine epidemic diarrhea virus. Journal of Virological Methods, 2018, 253, 61-69.	2.1	15
45	Pathogenesis of a novel porcine parainfluenza virus type 1 isolate in conventional and colostrum deprived/caesarean derived pigs. Virology, 2021, 563, 88-97.	2.4	15
46	Experiences with infectious cDNA clones of equine arteritis virus: Lessons learned and insights gained. Virology, 2014, 462-463, 388-403.	2.4	14
47	Development of Polioencephalomyelitis in Cesarean-Derived Colostrum-Deprived Pigs Following Experimental Inoculation with Either Teschovirus A Serotype 2 or Serotype 11. Viruses, 2017, 9, 179.	3.3	14
48	Identification of porcine epidemic diarrhea virus variant with a large spike gene deletion from a clinical swine sample in the United States. Virus Genes, 2018, 54, 323-327.	1.6	14
49	Genetically divergent porcine sapovirus identified in pigs, United States. Transboundary and Emerging Diseases, 2020, 67, 18-28.	3.0	14
50	Comparison of ZMAC and MARC-145 Cell Lines for Improving Porcine Reproductive and Respiratory Syndrome Virus Isolation from Clinical Samples. Journal of Clinical Microbiology, 2021, 59, .	3.9	14
51	Mitigation of Airborne PRRSV Transmission with UV Light Treatment: Proof-of-Concept. Agriculture (Switzerland), 2021, 11, 259.	3.1	14
52	Development and Clinical Applications of a 5-Plex Real-Time RT-PCR for Swine Enteric Coronaviruses. Viruses, 2022, 14, 1536.	3.3	14
53	Diagnostic evaluation of assays for detection of antibodies against porcine epidemic diarrhea virus (PEDV) in pigs exposed to different PEDV strains. Preventive Veterinary Medicine, 2016, 135, 87-94.	1.9	13
54	Determining the impact of commercial feed additives as potential porcine epidemic diarrhea virus mitigation strategies as determined by polymerase chain reaction analysis and bioassay1. Translational Animal Science, 2019, 3, 93-102.	1.1	13

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55	Effects of medium chain fatty acids as a mitigation or prevention strategy against porcine epidemic diarrhea virus in swine feed. <i>Journal of Animal Science</i> , 2020, 98, .	0.5	13
56	Complete Genome Sequence of Porcine Sapelovirus Strain USA/IA33375/2015 Identified in the United States. <i>Genome Announcements</i> , 2016, 4, .	0.8	12
57	Molecular Evolution of Porcine Reproductive and Respiratory Syndrome Virus Field Strains from Two Swine Production Systems in the Midwestern United States from 2001 to 2020. <i>Microbiology Spectrum</i> , 2022, 10, e0263421.	3.0	12
58	Evaluation of a peroxygen-based disinfectant for inactivation of porcine epidemic diarrhea virus at low temperatures on metal surfaces. <i>Veterinary Microbiology</i> , 2018, 214, 99-107.	1.9	11
59	Genetic diversity of porcine reproductive and respiratory syndrome virus 1 in the United States of America from 2010 to 2018. <i>Veterinary Microbiology</i> , 2019, 239, 108486.	1.9	11
60	Detection and genomic characterization of new avian-like hepatitis E virus in a sparrow in the United States. <i>Archives of Virology</i> , 2018, 163, 2861-2864.	2.1	10
61	PRRSV2 genetic diversity defined by RFLP patterns in the United States from 2007 to 2019. <i>Journal of Veterinary Diagnostic Investigation</i> , 2021, 33, 920-931.	1.1	10
62	RNA Extraction from Swine Samples and Detection of Influenza A Virus in Swine by Real-Time RT-PCR. <i>Methods in Molecular Biology</i> , 2020, 2123, 295-310.	0.9	10
63	Efficacy of an accelerated hydrogen peroxide disinfectant to inactivate porcine epidemic diarrhea virus in swine feces on metal surfaces. <i>Canadian Journal of Veterinary Research</i> , 2017, 81, 100-107.	0.2	10
64	Isolation of Swine Influenza A Virus in Cell Cultures and Embryonated Chicken Eggs. <i>Methods in Molecular Biology</i> , 2020, 2123, 281-294.	0.9	9
65	Identification and characterization of small molecule inhibitors of porcine reproductive and respiratory syndrome virus. <i>Antiviral Research</i> , 2017, 146, 28-35.	4.1	8
66	Complete Genome Sequence of <i>Porcine respirovirus 1</i> Strain USA/MN25890NS/2016, Isolated in the United States. <i>Genome Announcements</i> , 2017, 5, .	0.8	8
67	Development and validation of a reverse transcription real-time PCR assay for specific detection of PRRSGard vaccine-like virus. <i>Transboundary and Emerging Diseases</i> , 2022, 69, 1212-1226.	3.0	8
68	Development of a bead-based assay for detection and differentiation of field strains and four vaccine strains of type 2 porcine reproductive and respiratory syndrome virus (PRRSV-2) in the USA. <i>Transboundary and Emerging Diseases</i> , 2021, 68, 1414-1423.	3.0	7
69	Intrahost Selection Pressure Drives Equine Arteritis Virus Evolution during Persistent Infection in the Stallion Reproductive Tract. <i>Journal of Virology</i> , 2019, 93, .	3.4	6
70	Detection of porcine parainfluenza virus type-1 antibody in swine serum using whole-virus ELISA, indirect fluorescence antibody and virus neutralizing assays. <i>BMC Veterinary Research</i> , 2022, 18, 110.	1.9	6
71	Implementing a user-friendly format to analyze PRRSV next-generation sequencing results and associating breeding herd production performance with number of PRRSV strains and recombination events. <i>Transboundary and Emerging Diseases</i> , 2022, , .	3.0	6
72	The United States Swine Pathogen Database: integrating veterinary diagnostic laboratory sequence data to monitor emerging pathogens of swine. <i>Database: the Journal of Biological Databases and Curation</i> , 2021, 2021, .	3.0	5

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73	Characterization of a 2016-2017 Human Seasonal H3 Influenza A Virus Spillover Now Endemic to U.S. Swine. <i>MSphere</i> , 2022, 7, e0080921.	2.9	5
74	Bovine coronavirus in the lower respiratory tract of cattle with respiratory disease. <i>Journal of Veterinary Diagnostic Investigation</i> , 2022, 34, 482-488.	1.1	5
75	Impact of dietary spray-dried bovine plasma addition on pigs infected with porcine epidemic diarrhea virus. <i>Translational Animal Science</i> , 2018, 2, 349-357.	1.1	4
76	Genetic characterization of porcine sapoviruses identified from pigs during a diarrhoea outbreak in Iowa, 2019. <i>Transboundary and Emerging Diseases</i> , 2022, 69, 1246-1255.	3.0	4
77	Environmental Sampling for Avian Influenza Virus Detection in Commercial Layer Facilities. <i>Avian Diseases</i> , 2021, 65, 391-400.	1.0	4
78	Ring test evaluation of the detection of influenza A virus in swine oral fluids by real-time reverse-transcription polymerase chain reaction and virus isolation. <i>Canadian Journal of Veterinary Research</i> , 2016, 80, 12-20.	0.2	4
79	Reply to "Classification of Emergent U.S. Strains of Porcine Epidemic Diarrhea Virus by Phylogenetic Analysis of Nucleocapsid and ORF3 Genes". <i>Journal of Clinical Microbiology</i> , 2014, 52, 3511-3514.	3.9	3
80	Complete Genome Sequence of Noncytopathic Bovine Viral Diarrhea Virus 1 Contaminating a High-Passage RK-13 Cell Line. <i>Genome Announcements</i> , 2015, 3, .	0.8	3
81	Outbreak of H5N2 highly pathogenic avian Influenza A virus infection in two commercial layer facilities. <i>Journal of Veterinary Diagnostic Investigation</i> , 2016, 28, 568-573.	1.1	3
82	Efficacy of ultraviolet C exposure for inactivating Senecavirus A on experimentally contaminated surfaces commonly found on swine farms. <i>Veterinary Microbiology</i> , 2021, 256, 109040.	1.9	3
83	Designing and Testing of a System for Aerosolization and Recovery of Viable Porcine Reproductive and Respiratory Syndrome Virus (PRRSV): Theoretical and Engineering Considerations. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 659609.	4.1	3
84	IDENTIFICATION AND CORRELATION OF A NOVEL SIADENOVIRUS IN A FLOCK OF BUDGERIGARS (MELOPSITTACUS UNDULATES) INFECTED WITH SALMONELLA TYPHIMURIUM IN THE UNITED STATES. <i>Journal of Zoo and Wildlife Medicine</i> , 2020, 51, 618-630.	0.6	3
85	Molecular characterization of emerging variants of PRRSV in the United States: new features of the -2/-1 programmed ribosomal frameshifting signal in the nsp2 region. <i>Virology</i> , 2022, 573, 39-49.	2.4	3
86	Characterization of PRRSV in clinical samples and the corresponding cell culture isolates. <i>Transboundary and Emerging Diseases</i> , 0, , .	3.0	3
87	The effect of chemical clarification of oral fluids on porcine epidemic diarrhea virus antibody responses. <i>Journal of Veterinary Diagnostic Investigation</i> , 2018, 30, 937-941.	1.1	2
88	Disinfection and conditions associated with thermo-assisted drying and decontamination inconsistently produce negative PRRSV rRT-PCR results on metal surfaces. <i>Veterinary Microbiology</i> , 2021, 262, 109240.	1.9	2
89	Coinfection with type 1 and type 2 PRRSV. <i>Veterinary Record</i> , 2016, 178, 288-290.	0.3	1
90	Development and Characterization of an Infectious cDNA Clone of Equine Arteritis Virus. <i>Methods in Molecular Biology</i> , 2017, 1602, 11-28.	0.9	0