

# Jianqiang Zhang

## List of Publications by Citations

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89  
papers

1,945  
citations

23  
h-index

41  
g-index

99  
ext. papers

2,471  
ext. citations

3.7  
avg, IF

4.97  
L-index

#	Paper	IF	Citations
89	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> , <b>2014</b> , 52, 234-43	9.7	277
88	Role of transportation in spread of porcine epidemic diarrhea virus infection, United States. <i>Emerging Infectious Diseases</i> , <b>2014</b> , 20, 872-4	10.2	137
87	Pathogenicity and pathogenesis of a United States porcine deltacoronavirus cell culture isolate in 5-day-old neonatal piglets. <i>Virology</i> , <b>2015</b> , 482, 51-9	3.6	111
86	Porcine deltacoronavirus: Overview of infection dynamics, diagnostic methods, prevalence and genetic evolution. <i>Virus Research</i> , <b>2016</b> , 226, 71-84	6.4	90
85	Full-Length Genome Sequence of Porcine Deltacoronavirus Strain USA/IA/2014/8734. <i>Genome Announcements</i> , <b>2014</b> , 2,		79
84	Effect of Porcine Epidemic Diarrhea Virus Infectious Doses on Infection Outcomes in Naïve Conventional Neonatal and Weaned Pigs. <i>PLoS ONE</i> , <b>2015</b> , 10, e0139266	3.7	73
83	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> , <b>2016</b> , 97, 1107-1121	4.9	60
82	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> , <b>2015</b> , 89, 11213-22	6.6	57
81	High-throughput whole genome sequencing of Porcine reproductive and respiratory syndrome virus from cell culture materials and clinical specimens using next-generation sequencing technology. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2017</b> , 29, 41-50	1.5	48
80	Genomic and evolutionary inferences between American and global strains of porcine epidemic diarrhea virus. <i>Preventive Veterinary Medicine</i> , <b>2016</b> , 123, 175-184	3.1	48
79	Porcine epidemic diarrhea virus RNA present in commercial spray-dried porcine plasma is not infectious to naïve pigs. <i>PLoS ONE</i> , <b>2014</b> , 9, e104766	3.7	47
78	The spray-drying process is sufficient to inactivate infectious porcine epidemic diarrhea virus in plasma. <i>Veterinary Microbiology</i> , <b>2014</b> , 174, 86-92	3.3	43
77	Porcine reproductive and respiratory disease virus: Evolution and recombination yields distinct ORF5 RFLP 1-7-4 viruses with individual pathogenicity. <i>Virology</i> , <b>2018</b> , 513, 168-179	3.6	38
76	Porcine epidemic diarrhea virus (PEDV) detection and antibody response in commercial growing pigs. <i>BMC Veterinary Research</i> , <b>2016</b> , 12, 99	2.7	36
75	Whole-Genome Sequences of Novel Porcine Circovirus Type 2 Viruses Detected in Swine from Mexico and the United States. <i>Genome Announcements</i> , <b>2015</b> , 3,		35
74	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> , <b>2018</b> , 15, 95	6.1	34
73	Reactivity of Porcine Epidemic Diarrhea Virus Structural Proteins to Antibodies against Porcine Enteric Coronaviruses: Diagnostic Implications. <i>Journal of Clinical Microbiology</i> , <b>2017</b> , 55, 1426-1436	9.7	32

72	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> , <b>2016</b> , 234, 34-42	2.6	32
71	Full-Length Genome Sequences of Senecavirus A from Recent Idiopathic Vesicular Disease Outbreaks in U.S. Swine. <i>Genome Announcements</i> , <b>2015</b> , 3,		30
70	Coronaviruses <b>2019</b> , 488-523		27
69	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> , <b>2020</b> , 94,	6.6	27
68	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> , <b>2016</b> , 12, 70	2.7	27
67	PCR-based retrospective evaluation of diagnostic samples for emergence of porcine deltacoronavirus in US swine. <i>Veterinary Microbiology</i> , <b>2015</b> , 179, 296-8	3.3	26
66	RNA extraction from swine samples and detection of influenza A virus in swine by real-time RT-PCR. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1161, 277-93	1.4	23
65	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> , <b>2018</b> , 7, 105	18.9	21
64	Characterizing the rapid spread of porcine epidemic diarrhea virus (PEDV) through an animal food manufacturing facility. <i>PLoS ONE</i> , <b>2017</b> , 12, e0187309	3.7	20
63	Feed batch sequencing to decrease the risk of porcine epidemic diarrhea virus (PEDV) cross-contamination during feed manufacturing. <i>Journal of Animal Science</i> , <b>2018</b> , 96, 4562-4570	0.7	20
62	Evaluation of the effects of flushing feed manufacturing equipment with chemically treated rice hulls on porcine epidemic diarrhea virus cross-contamination during feed manufacturing. <i>Journal of Animal Science</i> , <b>2018</b> , 96, 4149-4158	0.7	19
61	Evaluation of humoral immune status in porcine epidemic diarrhea virus (PEDV) infected sows under field conditions. <i>Veterinary Research</i> , <b>2015</b> , 46, 140	3.8	19
60	Recombination between Vaccine and Field Strains of Porcine Reproductive and Respiratory Syndrome Virus. <i>Emerging Infectious Diseases</i> , <b>2019</b> , 25, 2335-2337	10.2	18
59	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> , <b>2017</b> , 48, 69	3.8	17
58	Does Circulating Antibody Play a Role in the Protection of Piglets against Porcine Epidemic Diarrhea Virus?. <i>PLoS ONE</i> , <b>2016</b> , 11, e0153041	3.7	17
57	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> , <b>2020</b> , 541, 136-140	3.6	17
56	Porcine Reproductive and Respiratory Syndrome Viruses (Porcine Arteriviruses) <b>2019</b> , 685-708		16
55	Detection and characterization of an H4N6 avian-lineage influenza A virus in pigs in the Midwestern United States. <i>Virology</i> , <b>2017</b> , 511, 56-65	3.6	16

54	Isolation of swine influenza virus in cell cultures and embryonated chicken eggs. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1161, 265-76	1.4	14
53	Assessing the effects of medium-chain fatty acids and fat sources on PEDV infectivity. <i>Translational Animal Science</i> , <b>2020</b> , 4, txz179	1.4	13
52	Hepatitis B core antigen based novel vaccine against porcine epidemic diarrhea virus. <i>Journal of Virological Methods</i> , <b>2018</b> , 253, 61-69	2.6	13
51	Quantifying the effect of lactogenic antibody on porcine epidemic diarrhea virus infection in neonatal piglets. <i>Veterinary Microbiology</i> , <b>2016</b> , 197, 83-92	3.3	12
50	Detection of live attenuated influenza vaccine virus and evidence of reassortment in the U.S. swine population. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2020</b> , 32, 301-311	1.5	11
49	Experiences with infectious cDNA clones of equine arteritis virus: lessons learned and insights gained. <i>Virology</i> , <b>2014</b> , 462-463, 388-403	3.6	11
48	Diagnostic evaluation of assays for detection of antibodies against porcine epidemic diarrhea virus (PEDV) in pigs exposed to different PEDV strains. <i>Preventive Veterinary Medicine</i> , <b>2016</b> , 135, 87-94	3.1	11
47	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. <i>Microbiology Resource Announcements</i> , <b>2018</b> , 7,	1.3	11
46	Detection, isolation, and in vitro characterization of porcine parainfluenza virus type 1 isolated from respiratory diagnostic specimens in swine. <i>Veterinary Microbiology</i> , <b>2019</b> , 228, 219-225	3.3	10
45	Development and evaluation of a real-time RT-PCR and a field-deployable RT-insulated isothermal PCR for the detection of Seneca Valley virus. <i>BMC Veterinary Research</i> , <b>2019</b> , 15, 168	2.7	10
44	Evaluation of the Serologic Cross-Reactivity between Transmissible Gastroenteritis Coronavirus and Porcine Respiratory Coronavirus Using Commercial Blocking Enzyme-Linked Immunosorbent Assay Kits. <i>MSphere</i> , <b>2019</b> , 4,	5	10
43	Evaluation of an accelerated hydrogen peroxide disinfectant to inactivate porcine epidemic diarrhea virus in swine feces on aluminum surfaces under freezing conditions. <i>BMC Veterinary Research</i> , <b>2017</b> , 13, 372	2.7	10
42	Identification of porcine epidemic diarrhea virus variant with a large spike gene deletion from a clinical swine sample in the United States. <i>Virus Genes</i> , <b>2018</b> , 54, 323-327	2.3	10
41	Influenza Viruses <b>2019</b> , 576-593		9
40	Development of Polioencephalomyelitis in Cesarean-Derived Colostrum-Deprived Pigs Following Experimental Inoculation with Either Teschovirus A Serotype 2 or Serotype 11. <i>Viruses</i> , <b>2017</b> , 9,	6.2	9
39	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> , <b>2017</b> , 81, 100-107	0.5	9
38	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> , <b>2020</b> , 98,	0.7	9
37	Complete Genome Sequence of Porcine Sapelovirus Strain USA/IA33375/2015 Identified in the United States. <i>Genome Announcements</i> , <b>2016</b> , 4,		8

36	Determining the impact of commercial feed additives as potential porcine epidemic diarrhea virus mitigation strategies as determined by polymerase chain reaction analysis and bioassay. <i>Translational Animal Science</i> , <b>2019</b> , 3, 93-102	1.4	8
35	Identification and characterization of small molecule inhibitors of porcine reproductive and respiratory syndrome virus. <i>Antiviral Research</i> , <b>2017</b> , 146, 28-35	10.8	7
34	Mitigation of Airborne PRRSV Transmission with UV Light Treatment: Proof-of-Concept. <i>Agriculture (Switzerland)</i> , <b>2021</b> , 11, 259	3	7
33	Genetic diversity of porcine reproductive and respiratory syndrome virus 1 in the United States of America from 2010 to 2018. <i>Veterinary Microbiology</i> , <b>2019</b> , 239, 108486	3.3	7
32	Evaluation of a peroxygen-based disinfectant for inactivation of porcine epidemic diarrhea virus at low temperatures on metal surfaces. <i>Veterinary Microbiology</i> , <b>2018</b> , 214, 99-107	3.3	6
31	Complete Genome Sequence of Strain USA/MN25890NS/2016, Isolated in the United States. <i>Genome Announcements</i> , <b>2017</b> , 5,		6
30	Comparison of ZMAC and MARC-145 Cell Lines for Improving Porcine Reproductive and Respiratory Syndrome Virus Isolation from Clinical Samples. <i>Journal of Clinical Microbiology</i> , <b>2021</b> , 59,	9.7	6
29	Detection and genomic characterization of new avian-like hepatitis E virus in a sparrow in the United States. <i>Archives of Virology</i> , <b>2018</b> , 163, 2861-2864	2.6	6
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> , <b>2020</b> , 2123, 295-310	1.4	6
27	Overview of Viruses <b>2019</b> , 425-437		5
26	Picornaviruses <b>2019</b> , 641-684		4
25	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> , <b>2016</b> , 80, 12-20	0.5	4
24	Genetically divergent porcine sapovirus identified in pigs, United States. <i>Transboundary and Emerging Diseases</i> , <b>2020</b> , 67, 18-28	4.2	4
23	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. <i>Microbiology Resource Announcements</i> , <b>2021</b> , 10, e0044821	1.3	4
22	Intrahost Selection Pressure Drives Equine Arteritis Virus Evolution during Persistent Infection in the Stallion Reproductive Tract. <i>Journal of Virology</i> , <b>2019</b> , 93,	6.6	3
21	Complete Genome Sequence of Noncytopathic Bovine Viral Diarrhea Virus 1 Contaminating a High-Passage RK-13 Cell Line. <i>Genome Announcements</i> , <b>2015</b> , 3,		3
20	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> , <b>2014</b> , 52, 3511-4	9.7	3
19	Isolation of Swine Influenza A Virus in Cell Cultures and Embryonated Chicken Eggs. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2123, 281-294	1.4	3

18	Outbreak of H5N2 highly pathogenic avian Influenza A virus infection in two commercial layer facilities: lesions and viral antigen distribution. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2016</b> , 28, 568-73	1.5	3
17	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> , <b>2021</b> , 68, 1414-1423	4.2	3
16	Impact of dietary spray-dried bovine plasma addition on pigs infected with porcine epidemic diarrhea virus. <i>Translational Animal Science</i> , <b>2018</b> , 2, 349-357	1.4	3
15	Pathogenesis of a novel porcine parainfluenza virus type 1 isolate in conventional and colostrum deprived/caesarean derived pigs. <i>Virology</i> , <b>2021</b> , 563, 88-97	3.6	3
14	Characterization of a 2016-2017 Human Seasonal H3 Influenza A Virus Spillover Now Endemic to U.S. Swine.. <i>MSphere</i> , <b>2022</b> , e0080921	5	2
13	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> , <b>2021</b> , 9, 659609	5.8	2
12	IDENTIFICATION AND CORRELATION OF A NOVEL SIADENOVIRUS IN A FLOCK OF BUDGERIGARS () INFECTED WITH IN THE UNITED STATES. <i>Journal of Zoo and Wildlife Medicine</i> , <b>2020</b> , 51, 618-630	0.9	1
11	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> , <b>2021</b> ,	4.2	1
10	PRRSV2 genetic diversity defined by RFLP patterns in the United States from 2007 to 2019. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2021</b> , 33, 920-931	1.5	1
9	The effect of chemical clarification of oral fluids on porcine epidemic diarrhea virus antibody responses. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2018</b> , 30, 937-941	1.5	1
8	Bovine coronavirus in the lower respiratory tract of cattle with respiratory disease.. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2022</b> , 10406387221078583	1.5	1
7	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> , <b>2022</b> , 18, 110	2.7	1
6	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> , <b>2022</b> , e0263421	8.9	1
5	Efficacy of ultraviolet C exposure for inactivating Senecavirus A on experimentally contaminated surfaces commonly found on swine farms. <i>Veterinary Microbiology</i> , <b>2021</b> , 256, 109040	3.3	0
4	Environmental Sampling for Avian Influenza Virus Detection in Commercial Layer Facilities. <i>Avian Diseases</i> , <b>2021</b> , 65, 391-400	1.6	0
3	Pig Bioassay to Assess Infectivity of Porcine Epidemic Diarrhea Virus Detected in Various Sample Matrices. <i>Springer Protocols</i> , <b>2022</b> , 249-262	0.3	
2	Development and Characterization of an Infectious cDNA Clone of Equine Arteritis Virus. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1602, 11-28	1.4	
1	Disinfection and conditions associated with thermo-assisted drying and decontamination inconsistently produce negative PRRSV rRT-PCR results on metal surfaces. <i>Veterinary Microbiology</i> , <b>2021</b> , 262, 109240	3.3	

