

# Yongchang Cao

## List of Publications by Year in descending order

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89  
papers

1,669  
citations

279798

23  
h-index

377865

34  
g-index

90  
all docs

90  
docs citations

90  
times ranked

1739  
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Bat-HKU2-like Coronavirus in Swine, China, 2017. <i>Emerging Infectious Diseases</i> , 2017, 23, 1607-1609.	4.3	179
2	Isolation and characterization of a highly pathogenic strain of Porcine enteric alphacoronavirus causing watery diarrhoea and high mortality in newborn piglets. <i>Transboundary and Emerging Diseases</i> , 2019, 66, 119-130.	3.0	63
3	A Highly Pathogenic Strain of Porcine Deltacoronavirus Caused Watery Diarrhea in Newborn Piglets. <i>Virologica Sinica</i> , 2018, 33, 131-141.	3.0	54
4	Isolation and genetic analysis revealed no predominant new strains of avian infectious bronchitis virus circulating in South China during 2004-2008. <i>Veterinary Microbiology</i> , 2010, 143, 145-154.	1.9	52
5	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
6	PEDV enters cells through clathrin-, caveolae-, and lipid raft-mediated endocytosis and traffics via the endo-lysosome pathway. <i>Veterinary Research</i> , 2020, 51, 10.	3.0	48
7	Epidemiological investigation of fowl adenovirus infections in poultry in China during 2015-2018. <i>BMC Veterinary Research</i> , 2019, 15, 271.	1.9	41
8	Bioinformatics insight into the spike glycoprotein gene of field porcine epidemic diarrhea strains during 2011-2013 in Guangdong, China. <i>Virus Genes</i> , 2014, 49, 58-67.	1.6	40
9	Identification and pathogenicity of a variant porcine epidemic diarrhea virus field strain with reduced virulence. <i>Virology Journal</i> , 2015, 12, 88.	3.4	39
10	Immunogenicity and protective efficacy of recombinant fiber-2 protein in protecting SPF chickens against fowl adenovirus 4. <i>Vaccine</i> , 2018, 36, 1203-1208.	3.8	38
11	Targeting Hemagglutinin: Approaches for Broad Protection against the Influenza A Virus. <i>Viruses</i> , 2019, 11, 405.	3.3	36
12	Profiling of cellular proteins in porcine reproductive and respiratory syndrome virus virions by proteomics analysis. <i>Virology Journal</i> , 2010, 7, 242.	3.4	34
13	Aloe extract inhibits porcine epidemic diarrhea virus in vitro and in vivo. <i>Veterinary Microbiology</i> , 2020, 249, 108849.	1.9	34
14	Heparanase Upregulation Contributes to Porcine Reproductive and Respiratory Syndrome Virus Release. <i>Journal of Virology</i> , 2017, 91, .	3.4	32
15	Genomic analysis of two Chinese strains of porcine reproductive and respiratory syndrome viruses with different virulence. <i>Virus Genes</i> , 2010, 40, 374-381.	1.6	31
16	Phylogenetic analysis of the S1 glycoprotein gene of infectious bronchitis viruses isolated in China during 2009-2010. <i>Virus Genes</i> , 2012, 44, 19-23.	1.6	30
17	Proteomic analysis of purified coronavirus infectious bronchitis virus particles. <i>Proteome Science</i> , 2010, 8, 29.	1.7	27
18	Porcine deltacoronavirus induces TLR3, IL-12, IFN- $\beta$ , IFN- $\gamma$ and PKR mRNA expression in infected Peyer's patches in vivo. <i>Veterinary Microbiology</i> , 2019, 228, 226-233.	1.9	27

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19	Complete Genome Sequence of a Novel Porcine Sapelovirus Strain YC2011 Isolated from Piglets with Diarrhea. <i>Journal of Virology</i> , 2012, 86, 10898-10898.	3.4	26
20	Oral administration of coated PEDV-loaded microspheres elicited PEDV-specific immunity in weaned piglets. <i>Vaccine</i> , 2018, 36, 6803-6809.	3.8	26
21	A recombinant H7N9 influenza vaccine with the H7 hemagglutinin transmembrane domain replaced by the H3 domain induces increased cross-reactive antibodies and improved interclade protection in mice. <i>Antiviral Research</i> , 2017, 143, 97-105.	4.1	25
22	Molecular characteristic and pathogenicity analysis of a virulent recombinant avian infectious bronchitis virus isolated in China. <i>Poultry Science</i> , 2018, 97, 3519-3531.	3.4	25
23	An improved reverse transcription loop-mediated isothermal amplification assay for sensitive and specific detection of Newcastle disease virus. <i>Archives of Virology</i> , 2009, 154, 1433-1440.	2.1	24
24	Assembly and immunogenicity of coronavirus-like particles carrying infectious bronchitis virus M and S proteins. <i>Vaccine</i> , 2013, 31, 5524-5530.	3.8	23
25	A flagellin-adjuvanted PED subunit vaccine improved protective efficiency against PEDV variant challenge in pigs. <i>Vaccine</i> , 2018, 36, 4228-4235.	3.8	22
26	Genetic epidemiology of porcine epidemic diarrhoea virus circulating in China in 2012-2017 based on spike gene. <i>Transboundary and Emerging Diseases</i> , 2018, 65, 883-889.	3.0	21
27	Recombinant influenza A H3N2 viruses with mutations of HA transmembrane cysteines exhibited altered virological characteristics. <i>Virus Genes</i> , 2014, 48, 273-282.	1.6	19
28	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
29	Proteomic analysis of purified Newcastle disease virus particles. <i>Proteome Science</i> , 2012, 10, 32.	1.7	18
30	Mutations of two transmembrane cysteines of hemagglutinin (HA) from influenza A H3N2 virus affect HA thermal stability and fusion activity. <i>Virus Genes</i> , 2013, 47, 20-26.	1.6	18
31	Assembly and immunological properties of a bivalent virus-like particle (VLP) for avian influenza and Newcastle disease. <i>Virus Research</i> , 2013, 178, 430-436.	2.2	18
32	Recombinant influenza H1, H5 and H9 hemagglutinins containing replaced H3 hemagglutinin transmembrane domain showed enhanced heterosubtypic protection in mice. <i>Vaccine</i> , 2014, 32, 3041-3049.	3.8	18
33	Neutralizing antibodies against porcine epidemic diarrhoea virus block virus attachment and internalization. <i>Virology Journal</i> , 2018, 15, 133.	3.4	18
34	Isolation and Characterization of A Novel Fowl Adenovirus Serotype 8a Strain from China. <i>Virologica Sinica</i> , 2020, 35, 517-527.	3.0	18
35	A novel low virulent respiratory infectious bronchitis virus originating from the recombination of QX, TW and 4/91 genotype strains in China. <i>Veterinary Microbiology</i> , 2020, 242, 108579.	1.9	18
36	Host-Virus Interaction: How Host Cells Defend against Influenza A Virus Infection. <i>Viruses</i> , 2020, 12, 376.	3.3	18

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37	Transcriptional profiling of host gene expression in chicken liver tissues infected with oncogenic Marek's disease virus. <i>Journal of General Virology</i> , 2011, 92, 2724-2733.	2.9	17
38	Production and immunogenicity of chimeric virus-like particles containing porcine reproductive and respiratory syndrome virus GP5 protein. <i>Vaccine</i> , 2012, 30, 7072-7077.	3.8	17
39	Phylogenetic and pathogenic analysis of <i>Mycoplasma Synoviae</i> isolated from native chicken breeds in China. <i>Poultry Science</i> , 2017, 96, 2057-2063.	3.4	16
40	PED subunit vaccine based on COE domain replacement of flagellin domain D3 improved specific humoral and mucosal immunity in mice. <i>Vaccine</i> , 2018, 36, 1381-1388.	3.8	16
41	Development of a minor groove binder assay for real-time PCR detection of porcine Sapelovirus. <i>Journal of Virological Methods</i> , 2014, 198, 69-74.	2.1	15
42	Recombinant influenza H9N2 virus with a substitution of H3 hemagglutinin transmembrane domain showed enhanced immunogenicity in mice and chicken. <i>Scientific Reports</i> , 2017, 7, 17923.	3.3	14
43	Rapid development and evaluation of a live-attenuated QX-like infectious bronchitis virus vaccine. <i>Vaccine</i> , 2018, 36, 4245-4254.	3.8	14
44	The Roles of Apoptosis in Swine Response to Viral Infection and Pathogenesis of Swine Enteropathogenic Coronaviruses. <i>Frontiers in Veterinary Science</i> , 2020, 7, 572425.	2.2	14
45	Evidences for the existence of intermolecular disulfide-bonded oligomers in the H3 hemagglutinins expressed in insect cells. <i>Virus Genes</i> , 2014, 48, 304-311.	1.6	13
46	A Newly Isolated <i>Bacillus subtilis</i> Strain Named WS-1 Inhibited Diarrhea and Death Caused by Pathogenic <i>Escherichia coli</i> in Newborn Piglets. <i>Frontiers in Microbiology</i> , 2019, 10, 1248.	3.5	13
47	Host Antiviral Responses against Avian Infectious Bronchitis Virus (IBV): Focus on Innate Immunity. <i>Viruses</i> , 2021, 13, 1698.	3.3	13
48	Genomic analysis of one Chinese strain YS07 of infectious bursal disease virus reveals unique genetic diversity. <i>Virus Genes</i> , 2009, 39, 246-248.	1.6	12
49	Impact of the segment-specific region of the 3'-untranslated region of the influenza A virus PB1 segment on protein expression. <i>Virus Genes</i> , 2013, 47, 429-438.	1.6	12
50	Phylogenetic and molecular epidemiological studies reveal evidence of recombination among Marek's disease viruses. <i>Virology</i> , 2018, 516, 202-209.	2.4	12
51	A heterologous prime-boost anti-PEDV immunization for pregnant sows protects neonatal piglets through lactogenic immunity against PEDV. <i>Letters in Applied Microbiology</i> , 2019, 69, 258-263.	2.2	12
52	Recombinant fiber-2 protein protects Muscovy ducks against duck adenovirus 3 (DAdV-3). <i>Virology</i> , 2019, 526, 99-104.	2.4	12
53	Involvement of miR-15a in G0/G1 Phase Cell Cycle Arrest Induced by Porcine Circovirus Type 2 Replication. <i>Scientific Reports</i> , 2016, 6, 27917.	3.3	11
54	Tandem 5' UTR Patterns and Gene Expression Profiles of Marc-145 Cells During PRRSV Infection. <i>Virologica Sinica</i> , 2018, 33, 335-344.	3.0	11

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55	Influenza bivalent vaccine comprising recombinant H3 hemagglutinin (HA) and H1 HA containing replaced H3 hemagglutinin transmembrane domain exhibited improved heterosubtypic protection immunity in mice. <i>Vaccine</i> , 2015, 33, 4035-4040.	3.8	10
56	Characterization of porcine tripartite motif genes as host restriction factors against PRRSV and PEDV infection. <i>Virus Research</i> , 2019, 270, 197647.	2.2	10
57	Multiple amino acid substitutions involved in the adaption of three avian-origin H7N9 influenza viruses in mice. <i>Virology Journal</i> , 2019, 16, 3.	3.4	10
58	The truncated E protein of DTMUV provide protection in young ducks. <i>Veterinary Microbiology</i> , 2020, 240, 108508.	1.9	10
59	Chimeric influenza-virus-like particles containing the porcine reproductive and respiratory syndrome virus GP5 protein and the influenza virus HA and M1 proteins. <i>Archives of Virology</i> , 2014, 159, 3043-3051.	2.1	9
60	H7 virus-like particles assembled by hemagglutinin containing H3N2 transmembrane domain and M1 induce broad homologous and heterologous protection in mice. <i>Vaccine</i> , 2018, 36, 5030-5036.	3.8	9
61	Porcine TRIM21 RING-finger E3 ubiquitin ligase is essential for anti-PRRSV activity. <i>Veterinary Microbiology</i> , 2021, 256, 109043.	1.9	9
62	Emodin from Aloe Inhibits Porcine Reproductive and Respiratory Syndrome Virus via Toll-Like Receptor 3 Activation. <i>Viruses</i> , 2021, 13, 1243.	3.3	9
63	Rapid quantitation of porcine epidemic diarrhea virus (PEDV) by Virus Counter. <i>Journal of Virological Methods</i> , 2015, 223, 1-4.	2.1	8
64	Immunogenicity and protective efficacy of recombinant fusion proteins containing spike protein of infectious bronchitis virus and hemagglutinin of H3N2 influenza virus in chickens. <i>Virus Research</i> , 2016, 223, 206-212.	2.2	8
65	Transcriptional Landscape of Vero E6 Cells during Early Swine Acute Diarrhea Syndrome Coronavirus Infection. <i>Viruses</i> , 2021, 13, 674.	3.3	8
66	Design of miRNA sponges for MDV-1 as a therapeutic strategy against lymphomas. <i>Oncotarget</i> , 2018, 9, 3842-3852.	1.8	8
67	Biological characteristics and immunological properties in Muscovy ducks of H5N6 virus-like particles composed of HA-TM/HA-TMH3 and M1. <i>Avian Pathology</i> , 2019, 48, 35-44.	2.0	7
68	Disulfide isomerase ERp57 improves the stability and immunogenicity of H3N2 influenza virus hemagglutinin. <i>Virology Journal</i> , 2020, 17, 55.	3.4	7
69	Development of an indirect ELISA for detecting swine acute diarrhoea syndrome coronavirus IgG antibodies based on a recombinant spike protein. <i>Transboundary and Emerging Diseases</i> , 2022, 69, 2065-2075.	3.0	7
70	Isolation and complete genomic characterization of H1N1 subtype swine influenza viruses in southern China through the 2009 pandemic. <i>Virology Journal</i> , 2011, 8, 129.	3.4	6
71	Genomic analysis of a Chinese MDV strain derived from vaccine strain CVI988 through recombination. <i>Infection, Genetics and Evolution</i> , 2020, 78, 104045.	2.3	6
72	Evaluation of genetic identity and variation in cultivars of <i>Pyrus pyrifolia</i> (Burm.f.) Nakai from China using microsatellite markers. <i>Journal of Horticultural Science and Biotechnology</i> , 2011, 86, 331-336.	1.9	5

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73	Risk factors associated with infectious bursal disease in commercial chickens in Bangladesh. <i>Preventive Veterinary Medicine</i> , 2013, 111, 181-185.	1.9	5
74	A highly pathogenic recombinant infectious bronchitis virus with adaptability in cultured cells. <i>Virus Research</i> , 2021, 292, 198229.	2.2	5
75	Recombinant influenza H7 hemagglutinin containing CFLLC minidomain in the transmembrane domain showed enhanced cross-protection in mice. <i>Virus Research</i> , 2017, 242, 16-23.	2.2	4
76	Attenuation and characterization of porcine enteric alphacoronavirus strain GDS04 via serial cell passage. <i>Veterinary Microbiology</i> , 2019, 239, 108489.	1.9	4
77	Porcine enteric alphacoronavirus Inhibits IFN- $\beta$ , IFN- $\gamma$ , OAS, Mx1, and PKR mRNA Expression in Infected Peyer's Patches in vivo. <i>Frontiers in Veterinary Science</i> , 2020, 7, 449.	2.2	4
78	Profiling of alternative polyadenylation and gene expression in PEDV-infected IPEC-J2 cells. <i>Virus Genes</i> , 2021, 57, 181-193.	1.6	4
79	Black soldier fly ( <i>Hermetia illucens</i> L.) larval diet improves CD8+ lymphocytes proliferation to eliminate chicken coronavirus at an early infection stage. <i>Veterinary Microbiology</i> , 2021, 260, 109151.	1.9	4
80	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
81	A novel method for genome-wide profiling of dynamic host-pathogen interactions using 3 $\times$ 10 <sup>9</sup> end enriched RNA-seq. <i>Scientific Reports</i> , 2017, 7, 8681.	3.3	3
82	Genome-wide transcriptome analysis of porcine epidemic diarrhea virus virulent or avirulent strain-infected porcine small intestinal epithelial cells. <i>Virologica Sinica</i> , 2022, 37, 70-81.	3.0	3
83	Transcriptional profiling of the chicken tracheal and splenic response to virulent <i>Mycoplasma synoviae</i> . <i>Poultry Science</i> , 2022, 101, 101660.	3.4	3
84	Characterization and Evaluation of a Novel Conserved Membrane Antigen P35 of <i>Mycoplasma synoviae</i> . <i>Frontiers in Veterinary Science</i> , 2022, 9, 836110.	2.2	3
85	Evaluation of purified recombinant spike fragments for assessment of the presence of serum neutralizing antibodies against a variant strain of porcine epidemic diarrhea virus. <i>Virologica Sinica</i> , 2017, 32, 307-316.	3.0	2
86	Isolation of novel sequences targeting highly variable viral protein hemagglutinin. <i>MethodsX</i> , 2015, 2, 64-71.	1.6	1
87	Insights into recombination-like events leading to outbreaks in USA through a retrospective study of porcine epidemic diarrhea virus isolates from China. <i>Infection, Genetics and Evolution</i> , 2018, 63, 216-218.	2.3	1
88	Whole-Genome Sequencing to Determine Origin of Diarrhea in Suckling Piglets in Southern China. , 2019, , .		0
89	Poly(A)-Binding Protein Cytoplasmic 1 Inhibits Porcine Epidemic Diarrhea Virus Replication by Interacting with Nucleocapsid Protein. <i>Viruses</i> , 2022, 14, 1196.	3.3	0