

Changhee Lee

List of Publications by Year in descending order

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78
papers

2,821
citations

186265

28
h-index

182427

51
g-index

80
all docs

80
docs citations

80
times ranked

2086
citing authors

#	ARTICLE	IF	CITATIONS
1	Porcine epidemic diarrhea virus: An emerging and re-emerging epizootic swine virus. <i>Virology Journal</i> , 2015, 12, 193.	3.4	392
2	Complete Genome Characterization of Korean Porcine Deltacoronavirus Strain KOR/KNU14-04/2014. <i>Genome Announcements</i> , 2014, 2, .	0.8	150
3	Outbreak-Related Porcine Epidemic Diarrhea Virus Strains Similar to US Strains, South Korea, 2013. <i>Emerging Infectious Diseases</i> , 2014, 20, 1223-1226.	4.3	138
4	Heterogeneity in spike protein genes of porcine epidemic diarrhea viruses isolated in Korea. <i>Virus Research</i> , 2010, 149, 175-182.	2.2	111
5	Immunogenicity and protective efficacy of recombinant S1 domain of the porcine epidemic diarrhea virus spike protein. <i>Archives of Virology</i> , 2014, 159, 2977-2987.	2.1	89
6	Porcine reproductive and respiratory syndrome virus nucleocapsid protein modulates interferon- β production by inhibiting IRF3 activation in immortalized porcine alveolar macrophages. <i>Archives of Virology</i> , 2011, 156, 2187-2195.	2.1	88
7	Contribution of the porcine aminopeptidase N (CD13) receptor density to porcine epidemic diarrhea virus infection. <i>Veterinary Microbiology</i> , 2010, 144, 41-50.	1.9	86
8	Mutations within the nuclear localization signal of the porcine reproductive and respiratory syndrome virus nucleocapsid protein attenuate virus replication. <i>Virology</i> , 2006, 346, 238-250.	2.4	82
9	Generation of a porcine alveolar macrophage cell line for the growth of porcine reproductive and respiratory syndrome virus. <i>Journal of Virological Methods</i> , 2010, 163, 410-415.	2.1	81
10	Porcine epidemic diarrhea virus induces caspase-independent apoptosis through activation of mitochondrial apoptosis-inducing factor. <i>Virology</i> , 2014, 460-461, 180-193.	2.4	78
11	A DNA-launched reverse genetics system for porcine reproductive and respiratory syndrome virus reveals that homodimerization of the nucleocapsid protein is essential for virus infectivity. <i>Virology</i> , 2005, 331, 47-62.	2.4	74
12	The small envelope protein of porcine reproductive and respiratory syndrome virus possesses ion channel protein-like properties. <i>Virology</i> , 2006, 355, 30-43.	2.4	73
13	Isolation and characterization of a Korean porcine epidemic diarrhea virus strain KNU-141112. <i>Virus Research</i> , 2015, 208, 215-224.	2.2	60
14	Prevalence, complete genome sequencing and phylogenetic analysis of porcine deltacoronavirus in South Korea, 2014-2016. <i>Transboundary and Emerging Diseases</i> , 2017, 64, 1364-1370.	3.0	59
15	Porcine deltacoronavirus induces caspase-dependent apoptosis through activation of the cytochrome c-mediated intrinsic mitochondrial pathway. <i>Virus Research</i> , 2018, 253, 112-123.	2.2	57
16	A molecular analysis of European porcine reproductive and respiratory syndrome virus isolated in South Korea. <i>Veterinary Microbiology</i> , 2010, 143, 394-400.	1.9	53
17	Complete genomic characterization of a European type 1 porcine reproductive and respiratory syndrome virus isolate in Korea. <i>Archives of Virology</i> , 2009, 154, 629-638.	2.1	49
18	Complete genome sequence of a novel porcine parainfluenza virus 5 isolate in Korea. <i>Archives of Virology</i> , 2013, 158, 1765-1772.	2.1	49

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19	Porcine reproductive and respiratory syndrome virus replication is suppressed by inhibition of the extracellular signal-regulated kinase (ERK) signaling pathway. <i>Virus Research</i> , 2010, 152, 50-58.	2.2	44
20	Infectious cDNA clones of porcine reproductive and respiratory syndrome virus and their potential as vaccine vectors. <i>Veterinary Immunology and Immunopathology</i> , 2004, 102, 143-154.	1.2	43
21	Ribavirin efficiently suppresses porcine nidovirus replication. <i>Virus Research</i> , 2013, 171, 44-53.	2.2	42
22	Cholesterol is important for the entry process of porcine deltacoronavirus. <i>Archives of Virology</i> , 2018, 163, 3119-3124.	2.1	42
23	Functional characterization and proteomic analysis of the nucleocapsid protein of porcine deltacoronavirus. <i>Virus Research</i> , 2015, 208, 136-145.	2.2	40
24	Genetic characteristics, pathogenicity, and immunogenicity associated with cell adaptation of a virulent genotype 2b porcine epidemic diarrhea virus. <i>Veterinary Microbiology</i> , 2017, 207, 248-258.	1.9	40
25	Extracellular signal-regulated kinase (ERK) activation is required for porcine epidemic diarrhea virus replication. <i>Virology</i> , 2015, 484, 181-193.	2.4	38
26	JNK and p38 mitogen-activated protein kinase pathways contribute to porcine epidemic diarrhea virus infection. <i>Virus Research</i> , 2016, 222, 1-12.	2.2	38
27	Efficacy of an inactivated genotype 2b porcine epidemic diarrhea virus vaccine in neonatal piglets. <i>Veterinary Immunology and Immunopathology</i> , 2016, 174, 45-49.	1.2	31
28	Geographic distribution and molecular analysis of porcine reproductive and respiratory syndrome viruses circulating in swine farms in the Republic of Korea between 2013 and 2016. <i>BMC Veterinary Research</i> , 2018, 14, 160.	1.9	31
29	Cysteine residues of the porcine reproductive and respiratory syndrome virus small envelope protein are non-essential for virus infectivity. <i>Journal of General Virology</i> , 2005, 86, 3091-3096.	2.9	29
30	Cellular cholesterol is required for porcine nidovirus infection. <i>Archives of Virology</i> , 2017, 162, 3753-3767.	2.1	28
31	Isolation and characterization of Korean porcine deltacoronavirus strain KNU16-07. <i>Journal of Veterinary Science</i> , 2018, 19, 577.	1.3	26
32	Differential host cell gene expression regulated by the porcine reproductive and respiratory syndrome virus GP4 and GP5 glycoproteins. <i>Veterinary Immunology and Immunopathology</i> , 2004, 102, 189-198.	1.2	25
33	Stress-activated protein kinases are involved in porcine reproductive and respiratory syndrome virus infection and modulate virus-induced cytokine production. <i>Virology</i> , 2012, 427, 80-89.	2.4	24
34	Full-Genome Sequence Analysis of a Variant Strain of Porcine Epidemic Diarrhea Virus in South Korea. <i>Genome Announcements</i> , 2014, 2, .	0.8	23
35	Trypsin enhances SARS-CoV-2 infection by facilitating viral entry. <i>Archives of Virology</i> , 2022, 167, 441-458.	2.1	23
36	Human telomerase reverse transcriptase-immortalized porcine monomyeloid cell lines for the production of porcine reproductive and respiratory syndrome virus. <i>Journal of Virological Methods</i> , 2012, 179, 26-32.	2.1	22

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37	Cytokine production in immortalized porcine alveolar macrophages infected with porcine reproductive and respiratory syndrome virus. <i>Veterinary Immunology and Immunopathology</i> , 2012, 150, 213-220.	1.2	21
38	First detection of novel enterovirus G recombining a torovirus papainâ€like protease gene associated with diarrhoea in swine in South Korea. <i>Transboundary and Emerging Diseases</i> , 2019, 66, 1023-1028.	3.0	20
39	Reemergence of porcine epidemic diarrhea virus on Jeju Island. <i>Korean Journal of Veterinary Research</i> , 2014, 54, 185-188.	0.2	20
40	Genomic analysis and pathogenic characteristics of Type 2 porcine reproductive and respiratory syndrome virus nsp2 deletion strains isolated in Korea. <i>Veterinary Microbiology</i> , 2014, 170, 232-245.	1.9	19
41	Ivermectin inhibits porcine reproductive and respiratory syndrome virus in cultured porcine alveolar macrophages. <i>Archives of Virology</i> , 2016, 161, 257-268.	2.1	19
42	Assessment of the safety and efficacy of an attenuated live vaccine based on highly virulent genotype 2b porcine epidemic diarrhea virus in nursing piglets. <i>Veterinary Microbiology</i> , 2019, 231, 120-128.	1.9	19
43	Genomic and antigenic characterization of porcine epidemic diarrhoea virus strains isolated from South Korea, 2017. <i>Transboundary and Emerging Diseases</i> , 2018, 65, 949-956.	3.0	18
44	Immunoprophylactic effect of chicken egg yolk antibody (IgY) against a recombinant S1 domain of the porcine epidemic diarrhea virus spike protein in piglets. <i>Archives of Virology</i> , 2015, 160, 2197-2207.	2.1	17
45	Molecular characteristics and pathogenic assessment of porcine epidemic diarrhoea virus isolates from the 2018 endemic outbreaks on Jeju Island, South Korea. <i>Transboundary and Emerging Diseases</i> , 2019, 66, 1894-1909.	3.0	16
46	Proteomic characterization of a novel structural protein ORF5a of porcine reproductive and respiratory syndrome virus. <i>Virus Research</i> , 2012, 169, 255-263.	2.2	15
47	Complete genome sequence of a novel S-insertion variant of porcine epidemic diarrhea virus from South Korea. <i>Archives of Virology</i> , 2017, 162, 2919-2922.	2.1	14
48	Successful Eradication of Porcine Epidemic Diarrhea in an Enzootically Infected Farm: A Two-Year Follow-Up Study. <i>Pathogens</i> , 2021, 10, 830.	2.8	14
49	Deletion of the cytoplasmic domain of CD163 enhances porcine reproductive and respiratory syndrome virus replication. <i>Archives of Virology</i> , 2010, 155, 1319-1323.	2.1	13
50	Endemic outbreaks due to the reâ€emergence of classical swine fever after accidental introduction of modified live LOM vaccine on Jeju Island, South Korea. <i>Transboundary and Emerging Diseases</i> , 2019, 66, 634-639.	3.0	12
51	Porcine deltacoronavirus activates the Raf/MEK/ERK pathway to promote its replication. <i>Virus Research</i> , 2020, 283, 197961.	2.2	12
52	A simple colorimetric detection of porcine epidemic diarrhea virus by reverse transcription loop-mediated isothermal amplification assay using hydroxynaphthol blue metal indicator. <i>Journal of Virological Methods</i> , 2021, 298, 114289.	2.1	12
53	The Nuclear Localization Signal of the Prrs Virus Nucleocapsid Protein Modulates Viral Replication in vitro and Antibody Response in vivo. <i>Advances in Experimental Medicine and Biology</i> , 2006, 581, 145-148.	1.6	12
54	Functional Characterization and Proteomic Analysis of Porcine Deltacoronavirus Accessory Protein NS7. <i>Journal of Microbiology and Biotechnology</i> , 2019, 29, 1817-1829.	2.1	12

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55	Emergence and evolution of novel G2b-like porcine epidemic diarrhea virus inter-subgroup G1b recombinants. <i>Archives of Virology</i> , 2020, 165, 2471-2478.	2.1	11
56	Genetic and phylogenetic analysis of porcine circovirus type 2 on Jeju Island, South Korea, 2019–2020: evidence of a novel intergenotypic recombinant. <i>Archives of Virology</i> , 2021, 166, 1093-1102.	2.1	11
57	Complete genome sequence of a keratin-degrading bacterium <i>Chryseobacterium gallinarum</i> strain DSM 27622T isolated from chicken. <i>Journal of Biotechnology</i> , 2015, 211, 66-67.	3.8	10
58	Novel lineage 1 recombinants of porcine reproductive and respiratory syndrome virus isolated from vaccinated herds: genome sequences and cytokine production profiles. <i>Archives of Virology</i> , 2020, 165, 2259-2277.	2.1	10
59	Advanced target-specific probe-based real-time loop-mediated isothermal amplification assay for the rapid and specific detection of porcine circovirus 3. <i>Transboundary and Emerging Diseases</i> , 2020, 67, 2336-2344.	3.0	10
60	Characterization in vitro and in vivo of a novel porcine parainfluenza virus 5 isolate in Korea. <i>Virus Research</i> , 2013, 178, 423-429.	2.2	9
61	Sasa quelpaertensis Nakai extract suppresses porcine reproductive and respiratory syndrome virus replication and modulates virus-induced cytokine production. <i>Archives of Virology</i> , 2015, 160, 1977-1988.	2.1	9
62	Pathogenicity and genetic characteristics associated with cell adaptation of a virulent porcine reproductive and respiratory syndrome virus nsp2 DEL strain CA-2. <i>Veterinary Microbiology</i> , 2016, 186, 174-188.	1.9	9
63	Complete genome sequence of a porcine astrovirus from South Korea. <i>Archives of Virology</i> , 2015, 160, 1819-1821.	2.1	8
64	Probe-based real-time reverse transcription loop-mediated isothermal amplification (RRT-LAMP) assay for rapid and specific detection of foot-and-mouth disease virus. <i>Transboundary and Emerging Diseases</i> , 2020, 67, 2936-2945.	3.0	8
65	Genetic differentiation of the nucleocapsid protein of Korean isolates of porcine epidemic diarrhoea virus by RT-PCR based restriction fragment length polymorphism analysis. <i>Veterinary Journal</i> , 2008, 178, 138-140.	1.7	7
66	Differential cellular protein expression in continuous porcine alveolar macrophages regulated by the porcine reproductive and respiratory syndrome virus nucleocapsid protein. <i>Virus Research</i> , 2010, 151, 88-96.	2.2	7
67	Genomic characterization of classical swine fever virus LOM variants with 3'-UTR INDELS from pigs on Jeju Island, South Korea. <i>Archives of Virology</i> , 2020, 165, 1691-1696.	2.1	7
68	Generation and protective efficacy of a cold-adapted attenuated genotype 2b porcine epidemic diarrhea virus. <i>Journal of Veterinary Science</i> , 2019, 20, e32.	1.3	7
69	Complete genome sequences of novel S-deletion variants of porcine epidemic diarrhea virus identified from a recurrent outbreak on Jeju Island, South Korea. <i>Archives of Virology</i> , 2019, 164, 2621-2625.	2.1	6
70	Inhibition of Antiviral Innate Immunity by Foot-and-Mouth Disease Virus L ^{pro} through Interaction with the N-Terminal Domain of Swine RNase L. <i>Journal of Virology</i> , 2021, 95, e0036121.	3.4	6
71	Assessing the risk of recurrence of porcine epidemic diarrhea virus in affected farms on Jeju Island, South Korea. <i>Journal of Veterinary Science</i> , 2021, 22, e48.	1.3	6
72	Stress-activated protein kinases are involved in the replication of porcine deltacoronavirus. <i>Virology</i> , 2021, 559, 196-209.	2.4	5

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73	Development and characterization of stable cell lines constitutively expressing the porcine reproductive and respiratory syndrome virus nucleocapsid protein. <i>Journal of Veterinary Science</i> , 2010, 11, 169.	1.3	3
74	Draft Genome Sequence of Caprolactam-Degrading <i>Pseudomonas putida</i> Strain SJ3. <i>Genome Announcements</i> , 2015, 3, .	0.8	2
75	The complete genome sequence of a lactic acid bacterium <i>Leuconostoc mesenteroides</i> ssp. <i>dextranicum</i> strain DSM 20484T. <i>Journal of Biotechnology</i> , 2016, 219, 3-4.	3.8	2
76	Complete genome sequence of a novel porcine hemagglutinating encephalomyelitis virus strain identified in South Korea. <i>Archives of Virology</i> , 2022, 167, 1381-1385.	2.1	2
77	Phenotypic and genotypic analyses of an attenuated porcine reproductive and respiratory syndrome virus strain after serial passages in cultured porcine alveolar macrophages. <i>Journal of Veterinary Science</i> , 2018, 19, 358.	1.3	1
78	Porcine Epidemic Diarrhea Virus. , 2019, , .		1