

Dongwan Yoo

List of Publications by Year in descending order

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95
papers

4,014
citations

81839

39
h-index

133188

59
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95
all docs

95
docs citations

95
times ranked

3020
citing authors

#	ARTICLE	IF	CITATIONS
1	Prevalence of antibodies to the hepatitis E virus in pigs from countries where hepatitis E is common or is rare in the human population. <i>Journal of Medical Virology</i> , 1999, 59, 297-302.	2.5	164
2	Interplay between Interferon-Mediated Innate Immunity and Porcine Reproductive and Respiratory Syndrome Virus. <i>Viruses</i> , 2012, 4, 424-446.	1.5	149
3	Suppression of type I interferon production by porcine epidemic diarrhea virus and degradation of CREB-binding protein by nsp1. <i>Virology</i> , 2016, 489, 252-268.	1.1	148
4	Activation of NF- κ B and induction of proinflammatory cytokine expressions mediated by ORF7a protein of SARS-CoV-2. <i>Scientific Reports</i> , 2021, 11, 13464.	1.6	140
5	Modulation of host cell responses and evasion strategies for porcine reproductive and respiratory syndrome virus. <i>Virus Research</i> , 2010, 154, 48-60.	1.1	120
6	Modulation of type I interferon induction by porcine reproductive and respiratory syndrome virus and degradation of CREB-binding protein by non-structural protein 1 in MARC-145 and HeLa cells. <i>Virology</i> , 2010, 402, 315-326.	1.1	118
7	Immune evasion of porcine enteric coronaviruses and viral modulation of antiviral innate signaling. <i>Virus Research</i> , 2016, 226, 128-141.	1.1	111
8	Type III Interferon Restriction by Porcine Epidemic Diarrhea Virus and the Role of Viral Protein nsp1 in IRF1 Signaling. <i>Journal of Virology</i> , 2018, 92, .	1.5	106
9	PRRS virus receptors and their role for pathogenesis. <i>Veterinary Microbiology</i> , 2015, 177, 229-241.	0.8	100
10	Colocalization and Interaction of the Porcine Arterivirus Nucleocapsid Protein with the Small Nucleolar RNA-Associated Protein Fibrillarin. <i>Journal of Virology</i> , 2003, 77, 12173-12183.	1.5	96
11	Nucleolar-cytoplasmic shuttling of PRRSV nucleocapsid protein: a simple case of molecular mimicry or the complex regulation by nuclear import, nucleolar localization and nuclear export signal sequences. <i>Virus Research</i> , 2003, 95, 23-33.	1.1	92
12	Nonstructural protein 1 α subunit-based inhibition of NF- κ B activation and suppression of interferon- β production by porcine reproductive and respiratory syndrome virus. <i>Virology</i> , 2010, 407, 268-280.	1.1	91
13	Homo-Oligomerization of the Porcine Reproductive and Respiratory Syndrome Virus Nucleocapsid Protein and the Role of Disulfide Linkages. <i>Journal of Virology</i> , 2003, 77, 4546-4557.	1.5	87
14	Prevalence of Hepatitis E Virus Antibodies in Canadian Swine Herds and Identification of a Novel Variant of Swine Hepatitis E Virus. <i>Vaccine Journal</i> , 2001, 8, 1213-1219.	2.6	83
15	3C ^{pro} of Foot-and-Mouth Disease Virus Antagonizes the Interferon Signaling Pathway by Blocking STAT1/STAT2 Nuclear Translocation. <i>Journal of Virology</i> , 2014, 88, 4908-4920.	1.5	83
16	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.	1.1	82
17	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.	1.1	74
18	The small envelope protein of porcine reproductive and respiratory syndrome virus possesses ion channel protein-like properties. <i>Virology</i> , 2006, 355, 30-43.	1.1	73

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19	Modulation of CD163 receptor expression and replication of porcine reproductive and respiratory syndrome virus in porcine macrophages. <i>Virus Research</i> , 2009, 140, 161-171.	1.1	73
20	Antigenic Structure of the Nucleocapsid Protein of Porcine Reproductive and Respiratory Syndrome Virus. <i>Vaccine Journal</i> , 1998, 5, 773-779.	2.6	72
21	Role of porcine reproductive and respiratory syndrome virus nucleocapsid protein in induction of interleukin-10 and regulatory T-lymphocytes (Treg). <i>Journal of General Virology</i> , 2012, 93, 1236-1246.	1.3	66
22	Phosphorylation of the Porcine Reproductive and Respiratory Syndrome Virus Nucleocapsid Protein. <i>Journal of Virology</i> , 2002, 76, 10569-10576.	1.5	63
23	Molecular and Cellular Mechanisms for PRRSV Pathogenesis and Host Response to Infection. <i>Virus Research</i> , 2020, 286, 197980.	1.1	57
24	Genetic Characterization and Sequence Heterogeneity of a Canadian Isolate of Swine Hepatitis E Virus. <i>Journal of Clinical Microbiology</i> , 2002, 40, 4021-4029.	1.8	55
25	The S2 subunit of the spike glycoprotein of bovine coronavirus mediates membrane fusion in insect cells. <i>Virology</i> , 1991, 180, 395-399.	1.1	54
26	Peptide domains involved in the localization of the porcine reproductive and respiratory syndrome virus nucleocapsid protein to the nucleolus. <i>Virology</i> , 2003, 316, 135-145.	1.1	54
27	Functional mapping of the porcine reproductive and respiratory syndrome virus capsid protein nuclear localization signal and its pathogenic association. <i>Virus Research</i> , 2008, 135, 107-114.	1.1	54
28	A Single Amino Acid Change within Antigenic Domain II of the Spike Protein of Bovine Coronavirus Confers Resistance to Virus Neutralization. <i>Vaccine Journal</i> , 2001, 8, 297-302.	2.6	53
29	Degradation of CREB-binding protein and modulation of type I interferon induction by the zinc finger motif of the porcine reproductive and respiratory syndrome virus nsp1± subunit. <i>Virus Research</i> , 2013, 172, 54-65.	1.1	53
30	Inhibition of NF- κ B activity by the porcine epidemic diarrhea virus nonstructural protein 1 for innate immune evasion. <i>Virology</i> , 2017, 510, 111-126.	1.1	52
31	Nonstructural Protein 11 of Porcine Reproductive and Respiratory Syndrome Virus Suppresses Both MAVS and RIG-I Expression as One of the Mechanisms to Antagonize Type I Interferon Production. <i>PLoS ONE</i> , 2016, 11, e0168314.	1.1	52
32	Engineering the PRRS virus genome: Updates and perspectives. <i>Veterinary Microbiology</i> , 2014, 174, 279-295.	0.8	50
33	Genetic variation and pathogenicity of highly virulent porcine reproductive and respiratory syndrome virus emerging in China. <i>Archives of Virology</i> , 2009, 154, 1589-1597.	0.9	48
34	COVID-19 and veterinarians for one health, zoonotic- and reverse-zoonotic transmissions. <i>Journal of Veterinary Science</i> , 2020, 21, e51.	0.5	48
35	Porcine reproductive and respiratory syndrome virus as a vector: Immunogenicity of green fluorescent protein and porcine circovirus type 2 capsid expressed from dedicated subgenomic RNAs. <i>Virology</i> , 2009, 389, 91-99.	1.1	45
36	The spread of Type 2 Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) in North America: A phylogeographic approach. <i>Virology</i> , 2013, 447, 146-154.	1.1	45

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37	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.	0.5	43
38	Synergy of TLR3 and 7 ligands significantly enhances function of DCs to present inactivated PRRSV antigen through TRIF/MyD88-NF- κ B signaling pathway. <i>Scientific Reports</i> , 2016, 6, 23977.	1.6	43
39	Characterization of the microRNAome in Porcine Reproductive and Respiratory Syndrome Virus Infected Macrophages. <i>PLoS ONE</i> , 2013, 8, e82054.	1.1	42
40	Common RNA replication signals exist among group 2 coronaviruses: evidence for in vivo recombination between animal and human coronavirus molecules. <i>Virology</i> , 2003, 315, 174-183.	1.1	38
41	Induction of Systemic and Mucosal Immune Responses in Cotton Rats Immunized with Human Adenovirus Type 5 Recombinants Expressing the Full and Truncated Forms of Bovine Herpesvirus Type 1 Glycoprotein gD. <i>Virology</i> , 1996, 222, 299-309.	1.1	37
42	Metagenomics Reveals a Novel Virophage Population in a Tibetan Mountain Lake. <i>Microbes and Environments</i> , 2016, 31, 173-177.	0.7	35
43	Engineering a Live Attenuated Porcine Epidemic Diarrhea Virus Vaccine Candidate via Inactivation of the Viral 2'-5'-Methyltransferase and the Endocytosis Signal of the Spike Protein. <i>Journal of Virology</i> , 2019, 93, .	1.5	35
44	Antigenic Importance of the Carboxy-Terminal Beta-Strand of the Porcine Reproductive and Respiratory Syndrome Virus Nucleocapsid Protein. <i>Vaccine Journal</i> , 2001, 8, 598-603.	2.6	34
45	The viral innate immune antagonism and an alternative vaccine design for PRRS virus. <i>Veterinary Microbiology</i> , 2017, 209, 75-89.	0.8	34
46	Animal coronaviruses and SARS-CoV-2. <i>Transboundary and Emerging Diseases</i> , 2021, 68, 1097-1110.	1.3	33
47	Nucleotide sequence of the M segment of the genomic RNA of Hantaan virus. <i>Nucleic Acids Research</i> , 1987, 15, 6299-6299.	6.5	31
48	Modulation of innate immune signaling by nonstructural protein 1 (nsp1) in the family Arteriviridae. <i>Virus Research</i> , 2014, 194, 100-109.	1.1	31
49	Construction and evaluation of genetically engineered replication-defective porcine reproductive and respiratory syndrome virus vaccine candidates. <i>Veterinary Immunology and Immunopathology</i> , 2004, 102, 277-290.	0.5	30
50	Fine mapping of sequential neutralization epitopes on the subunit protein VP8 of human rotavirus. <i>Biochemical Journal</i> , 2003, 376, 269-275.	1.7	29
51	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.	1.3	29
52	Myristoylation of the small envelope protein of porcine reproductive and respiratory syndrome virus is non-essential for virus infectivity but promotes its growth. <i>Virus Research</i> , 2010, 147, 294-299.	1.1	29
53	Cloning and Expression of Human Rotavirus Spike Protein, VP8*, in <i>Escherichia coli</i> . <i>Biochemical and Biophysical Research Communications</i> , 2001, 282, 1183-1188.	1.0	28
54	African swine fever: Etiology, epidemiological status in Korea, and perspective on control. <i>Journal of Veterinary Science</i> , 2020, 21, e38.	0.5	28

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55	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.	0.5	25
56	Glycosyl-phosphatidylinositol (GPI)-anchored membrane association of the porcine reproductive and respiratory syndrome virus GP4 glycoprotein and its co-localization with CD163 in lipid rafts. <i>Virology</i> , 2012, 424, 18-32.	1.1	24
57	Nuclear export signal of PRRSV NSP1 is necessary for type I IFN inhibition. <i>Virology</i> , 2016, 499, 278-287.	1.1	24
58	Structural analysis of the conformational domains involved in neutralization of bovine coronavirus using deletion mutants of the spike glycoprotein S1 subunit expressed by recombinant baculoviruses. <i>Virology</i> , 1991, 183, 91-98.	1.1	23
59	Characterization of the porcine reproductive and respiratory syndrome virus glycoprotein 5 (GP5) in stably expressing cells. <i>Virus Research</i> , 2004, 104, 33-38.	1.1	23
60	Differential Host Cell Gene Expression and Regulation of Cell Cycle Progression by Nonstructural Protein 11 of Porcine Reproductive and Respiratory Syndrome Virus. <i>BioMed Research International</i> , 2014, 2014, 1-13.	0.9	23
61	Biogenesis of non-structural protein 1 (nsp1) and nsp1-mediated type I interferon modulation in arteriviruses. <i>Virology</i> , 2014, 458-459, 136-150.	1.1	21
62	Nuclear imprisonment of host cellular mRNA by nsp1 protein of porcine reproductive and respiratory syndrome virus. <i>Virology</i> , 2017, 505, 42-55.	1.1	21
63	Porcine plasma ficolin binds and reduces infectivity of porcine reproductive and respiratory syndrome virus (PRRSV) in vitro. <i>Antiviral Research</i> , 2008, 77, 28-38.	1.9	20
64	Interaction of the porcine reproductive and respiratory syndrome virus nucleocapsid protein with the inhibitor of MyoD family- α domain-containing protein. <i>Biological Chemistry</i> , 2009, 390, 215-223.	1.2	19
65	Primary Structure of the Sialodacryoadenitis Virus Genome: Sequence of the Structural-Protein Region and Its Application for Differential Diagnosis. <i>Vaccine Journal</i> , 2000, 7, 568-573.	2.6	18
66	Evaluation of a DNA vaccine candidate co-expressing GP3 and GP5 of porcine reproductive and respiratory syndrome virus (PRRSV) with interferon β in immediate and long-lasting protection against HP-PRRSV challenge. <i>Virus Genes</i> , 2012, 45, 474-487.	0.7	17
67	Porcine Reproductive and Respiratory Syndrome Virus Nonstructural Protein 1 Beta Interacts with Nucleoporin 62 To Promote Viral Replication and Immune Evasion. <i>Journal of Virology</i> , 2019, 93, .	1.5	17
68	Recent Advances in PRRS Virus Receptors and the Targeting of Receptor-Ligand for Control. <i>Vaccines</i> , 2021, 9, 354.	2.1	17
69	Seroprevalence of Turkey Coronavirus in North American Turkeys Determined by a Newly Developed Enzyme-Linked Immunosorbent Assay Based on Recombinant Antigen. <i>Vaccine Journal</i> , 2008, 15, 1839-1844.	3.2	15
70	Type I interferon suppression-negative and host mRNA nuclear retention-negative mutation in nsp1 protein confers attenuation of porcine reproductive and respiratory syndrome virus in pigs. <i>Virology</i> , 2018, 517, 177-187.	1.1	15
71	Analysis of the S spike (peplomer) glycoprotein of bovine coronavirus synthesized in insect cells. <i>Virology</i> , 1990, 179, 121-128.	1.1	14
72	Use of recombinant S1 spike polypeptide to develop a TCoV-specific antibody ELISA. <i>Veterinary Microbiology</i> , 2009, 138, 281-288.	0.8	14

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73	Equine Arteritis Virus Does Not Induce Interferon Production in Equine Endothelial Cells: Identification of Nonstructural Protein 1 as a Main Interferon Antagonist. <i>BioMed Research International</i> , 2014, 2014, 1-13.	0.9	14
74	Interaction of PIAS1 with PRRS virus nucleocapsid protein mediates NF- κ B activation and triggers proinflammatory mediators during viral infection. <i>Scientific Reports</i> , 2019, 9, 11042.	1.6	14
75	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.	0.8	12
76	Maternal Immunization of Pregnant Cattle with Recombinant VP8* Protein of Bovine Rotavirus Elicits Neutralizing Antibodies to Multiple Serotypes. <i>Advances in Experimental Medicine and Biology</i> , 1997, 412, 405-411.	0.8	11
77	Isolation and evolutionary analyses of porcine epidemic diarrhea virus in Asia. <i>PeerJ</i> , 2020, 8, e10114.	0.9	11
78	Reverse Genetics for Porcine Reproductive and Respiratory Syndrome Virus. <i>Methods in Molecular Biology</i> , 2017, 1602, 29-46.	0.4	9
79	Interaction of porcine reproductive and respiratory syndrome virus major envelope proteins GP5 and M with the cellular protein Snapin. <i>Virus Research</i> , 2018, 249, 85-92.	1.1	8
80	Full-Length Genomic Sequence of Bovine Coronavirus (31kb). <i>Advances in Experimental Medicine and Biology</i> , 2001, , 73-76.	0.8	8
81	Cloning of a gene fragment encoding bovine complement component C3d with expression and characterization of derived fusion proteins. <i>Veterinary Immunology and Immunopathology</i> , 2006, 114, 61-71.	0.5	7
82	The lactate dehydrogenase-elevating virus capsid protein is a nuclear-cytoplasmic protein. <i>Archives of Virology</i> , 2009, 154, 1071-1080.	0.9	6
83	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.	1.5	6
84	Animal Arterivirus Infections. <i>BioMed Research International</i> , 2014, 2014, 1-2.	0.9	5
85	Development of a triplex real-time RT-PCR assay for detection and differentiation of three US genotypes of porcine hemagglutinating encephalomyelitis virus. <i>Journal of Virological Methods</i> , 2019, 269, 13-17.	1.0	5
86	Zinc-Binding of the Cysteine-Rich Domain Encoded in the Open Reading Frame 1B of the RNA Polymerase Gene of Coronavirus. <i>Advances in Experimental Medicine and Biology</i> , 1995, 380, 437-442.	0.8	5
87	Antiviral Activity of Tilmicosin for Type 1 and Type 2 Porcine Reproductive And Respiratory Syndrome Virus In Cultured Porcine Alveolar Macrophages. <i>Journal of Antivirals & Antiretrovirals</i> , 2011, 03, .	0.1	5
88	Functional Characterization of Bovine Parainfluenza Virus Type 3 Hemagglutinin-Neuraminidase and Fusion Proteins Expressed by Adenovirus Recombinants. <i>Intervirology</i> , 1998, 41, 253-260.	1.2	4
89	Establishment and Characterization of a High and Stable Porcine CD163-Expressing MARC-145 Cell Line. <i>BioMed Research International</i> , 2018, 2018, 1-9.	0.9	4
90	Homotypic Interactions of the Nucleocapsid Protein of Porcine Reproductive and Respiratory Syndrome Virus (PRRSV). <i>Advances in Experimental Medicine and Biology</i> , 2001, 494, 627-632.	0.8	4

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91	Inter-serotype reassortment among epizootic haemorrhagic disease viruses in the United States. <i>Transboundary and Emerging Diseases</i> , 2019, 66, 1809-1820.	1.3	2
92	Transcriptional Immune Signatures of Alveolar Macrophages and the Impact of the NLRP3 Inflammasome on Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) Replication. <i>Viruses</i> , 2020, 12, 1299.	1.5	2
93	The Haemagglutinin of Bovine Coronavirus Exhibits Significant Similarity to the Haemagglutinin of Type C Influenza Virus. <i>Advances in Experimental Medicine and Biology</i> , 1990, 276, 103-108.	0.8	1
94	Evaluation of porcine reproductive and respiratory syndrome virus replication in laboratory rodents. <i>Canadian Journal of Veterinary Research</i> , 2009, 73, 313-8.	0.2	1
95	Targeted RNA recombination of the membrane and nucleocapsid protein genes between mouse hepatitis virus and bovine coronavirus. <i>Journal of Veterinary Science</i> , 2001, 2, 149.	0.5	0