Linda J Saif

List of Publications by Citations

152 papers	6,217 citations	47 h-index	73 g-index
159 ext. papers	7,977 ext. citations	5.8 avg, IF	6.37 L-index

#	Paper	IF	Citations
152	Porcine epidemic diarrhea virus infection: Etiology, epidemiology, pathogenesis and immunoprophylaxis. *Veterinary Journal*, **2015**, 204, 134-43	2.5	255
151	Distinct characteristics and complex evolution of PEDV strains, North America, May 2013-February 2014. *Emerging Infectious Diseases*, **2014**, 20, 1620-8	10.2	216
150	Pathogenesis of a genogroup II human norovirus in gnotobiotic pigs. *Journal of Virology*, **2006**, 80, 10372-81	6.1	210
149	Comprehensive review of human sapoviruses. *Clinical Microbiology Reviews*, **2015**, 28, 32-53	34	198
148	Antibody responses in serum, colostrum, and milk of swine after infection or vaccination with transmissible gastroenteritis virus. *Infection and Immunity*, **1972**, 6, 289-301	3.7	160
147	Emerging and re-emerging coronaviruses in pigs. *Current Opinion in Virology*, **2019**, 34, 39-49	7.5	153
146	Pathology of US porcine epidemic diarrhea virus strain PC21A in gnotobiotic pigs. *Emerging Infectious Diseases*, **2014**, 20, 662-5	10.2	149
145	Evolution, antigenicity and pathogenicity of global porcine epidemic diarrhea virus strains. *Virus Research*, **2016**, 226, 20-39	6.4	130
144	Isolation and characterization of porcine deltacoronavirus from pigs with diarrhea in the United States. *Journal of Clinical Microbiology*, **2015**, 53, 1537-48	9.7	129
143	Vesicle-Cloaked Virus Clusters Are Optimal Units for Inter-organismal Viral Transmission. *Cell Host and Microbe*, **2018**, 24, 208-220.e8	23.4	129
142	Broad receptor engagement of an emerging global coronavirus may potentiate its diverse cross-species transmissibility. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E5135-E5143	11.5	129
141	Bovine respiratory coronavirus. *Veterinary Clinics of North America - Food Animal Practice*, **2010**, 26, 349-64	4.6	127
140	Cell culture isolation and sequence analysis of genetically diverse US porcine epidemic diarrhea virus strains including a novel strain with a large deletion in the spike gene. *Veterinary Microbiology*, **2014**, 173, 258-69	3.3	125
139	Pathogenicity of 2 porcine deltacoronavirus strains in gnotobiotic pigs. *Emerging Infectious Diseases* , **2015**, 21, 650-4	10.2	123
138	Porcine deltacoronavirus infection: Etiology, cell culture for virus isolation and propagation, molecular epidemiology and pathogenesis. *Virus Research*, **2016**, 226, 50-59	6.4	104
137	Lactogenic immunity and vaccines for porcine epidemic diarrhea virus (PEDV): Historical and current concepts. *Virus Research*, **2016**, 226, 93-107	6.4	89
136	Probiotic Lactobacillus acidophilus enhances the immunogenicity of an oral rotavirus vaccine in gnotobiotic pigs. *Vaccine*, **2008**, 26, 3655-61	4.1	86

135	Antigenic relationships among porcine epidemic diarrhea virus and transmissible gastroenteritis virus strains. *Journal of Virology*, **2015**, 89, 3332-42	6.6	80
134	Lactobacilli and bifidobacteria promote immune homeostasis by modulating innate immune responses to human rotavirus in neonatal gnotobiotic pigs. *PLoS ONE*, **2013**, 8, e76962	3.7	79
133	Porcine reproductive and respiratory syndrome virus modifies innate immunity and alters disease outcome in pigs subsequently infected with porcine respiratory coronavirus: implications for respiratory viral co-infections. *Journal of General Virology*, **2009**, 90, 2713-2723	4.9	77
132	Biologic, antigenic, and full-length genomic characterization of a bovine-like coronavirus isolated from a giraffe. *Journal of Virology*, **2007**, 81, 4981-90	6.6	77
131	Comparison of probiotic lactobacilli and bifidobacteria effects, immune responses and rotavirus vaccines and infection in different host species. *Veterinary Immunology and Immunopathology*, **2016** , 172, 72-84	2	76
130	Comparative pathogenesis of US porcine epidemic diarrhea virus (PEDV) strain PC21A in conventional 9-day-old nursing piglets vs. 26-day-old weaned pigs. *Veterinary Microbiology*, **2015**, 178, 31-40	3.3	75
129	Isolation of porcine immunoglobulins and determination of the immunoglobulin classes of transmissible gastroenteritis viral antibodies. *Infection and Immunity*, **1972**, 6, 600-9	3.7	71
128	Strategies for design and application of enteric viral vaccines. *Annual Review of Animal Biosciences*, **2015**, 3, 375-95	13.7	68
127	Divergent immunomodulating effects of probiotics on T cell responses to oral attenuated human rotavirus vaccine and virulent human rotavirus infection in a neonatal gnotobiotic piglet disease model. *Journal of Immunology*, **2013**, 191, 2446-56	5.3	68
126	Bovine-like coronaviruses isolated from four species of captive wild ruminants are homologous to bovine coronaviruses, based on complete genomic sequences. *Journal of Virology*, **2008**, 82, 12422-31	6.6	66
125	Porcine epidemic diarrhea virus (PEDV): An update on etiology, transmission, pathogenesis, and prevention and control. *Virus Research*, **2020**, 286, 198045	6.4	63
124	Differential Effects of Escherichia coli Nissle and Lactobacillus rhamnosus Strain GG on Human Rotavirus Binding, Infection, and B Cell Immunity. *Journal of Immunology*, **2016**, 196, 1780-9	5.3	63
123	Age-dependent variation in innate immune responses to porcine epidemic diarrhea virus infection in suckling versus weaned pigs. *Veterinary Immunology and Immunopathology*, **2015**, 168, 193-202	2	60
122	Experimental infection of a US spike-insertion deletion porcine epidemic diarrhea virus in conventional nursing piglets and cross-protection to the original US PEDV infection. *Veterinary Research*, **2015**, 46, 134	3.8	60
121	Genetic recombination between two genotypes of genogroup III bovine noroviruses (BoNVs) and capsid sequence diversity among BoNVs and Nebraska-like bovine enteric caliciviruses. *Journal of Clinical Microbiology*, **2004**, 42, 5214-24	9.7	60
120	Molecular analysis of the S1 subunit of the spike glycoprotein of respiratory and enteric bovine coronavirus isolates. *Virus Research*, **2002**, 84, 101-9	6.4	58
119	Calves are susceptible to infection with the newly emerged porcine deltacoronavirus, but not with the swine enteric alphacoronavirus, porcine epidemic diarrhea virus. *Archives of Virology*, **2017**, 162, 2357-2362	2.6	57
118	Characterization of a Pathogenic Full-Length cDNA Clone and Transmission Model for Porcine Epidemic Diarrhea Virus Strain PC22A. *MBio*, **2016**, 7, e01451-15	7.8	57

117	The effects of simvastatin or interferon-□on infectivity of human norovirus using a gnotobiotic pig model for the study of antivirals. *PLoS ONE*, **2012**, 7, e41619	3.7	57
116	COVID-19 from veterinary medicine and one health perspectives: What animal coronaviruses have taught us. *Research in Veterinary Science*, **2020**, 131, 21-23	2.5	56
115	Virus-specific intestinal IFN-gamma producing T cell responses induced by human rotavirus infection and vaccines are correlated with protection against rotavirus diarrhea in gnotobiotic pigs. *Vaccine*, **2008**, 26, 3322-31	4.1	56
114	Lactic acid bacterial colonization and human rotavirus infection influence distribution and frequencies of monocytes/macrophages and dendritic cells in neonatal gnotobiotic pigs. *Veterinary Immunology and Immunopathology*, **2008**, 121, 222-31	2	54
113	Characterization of emerging GII.g/GII.12 noroviruses from a gastroenteritis outbreak in the United States in 2010. *Journal of Clinical Microbiology*, **2011**, 49, 3234-44	9.7	53
112	Deletion of a 197-Amino-Acid Region in the N-Terminal Domain of Spike Protein Attenuates Porcine Epidemic Diarrhea Virus in Piglets. *Journal of Virology*, **2017**, 91,	6.6	50
111	Altered pathogenesis of porcine respiratory coronavirus in pigs due to immunosuppressive effects of dexamethasone: implications for corticosteroid use in treatment of severe acute respiratory syndrome coronavirus. *Journal of Virology*, **2007**, 81, 13681-93	6.6	50
110	Experimental infection of gnotobiotic pigs with the cell-culture-adapted porcine deltacoronavirus strain OH-FD22. *Archives of Virology*, **2016**, 161, 3421-3434	2.6	49
109	Quasispecies of bovine enteric and respiratory coronaviruses based on complete genome sequences and genetic changes after tissue culture adaptation. *Virology*, **2007**, 363, 1-10	3.6	49
108	Novel Canine Coronavirus Isolated from a Hospitalized Pneumonia Patient, East Malaysia. *Clinical Infectious Diseases*, **2021**,	11.6	49
107	Genetic Characterization and Classification of Human and Animal Sapoviruses. *PLoS ONE*, **2016**, 11, e0156373	3.7	49
106	Evaluation of a SARS-CoV-2 Surrogate Virus Neutralization Test for Detection of Antibody in Human, Canine, Cat, and Hamster Sera. *Journal of Clinical Microbiology*, **2021**, 59,	9.7	47
105	Porcine Deltacoronavirus Infection and Transmission in Poultry, United States. *Emerging Infectious Diseases*, **2020**, 26, 255-265	10.2	46
104	Prenatally acquired vitamin A deficiency alters innate immune responses to human rotavirus in a gnotobiotic pig model. *Journal of Immunology*, **2013**, 190, 4742-53	5.3	43
103	Cytokine responses in porcine respiratory coronavirus-infected pigs treated with corticosteroids as a model for severe acute respiratory syndrome. *Journal of Virology*, **2008**, 82, 4420-8	6.6	42
102	Development of a reverse transcription-nested polymerase chain reaction assay for differential diagnosis of transmissible gastroenteritis virus and porcine respiratory coronavirus from feces and nasal swabs of infected pigs. *Journal of Veterinary Diagnostic Investigation*, **2000**, 12, 385-8	1.5	41
101	Expression and self-assembly in baculovirus of porcine enteric calicivirus capsids into virus-like particles and their use in an enzyme-linked immunosorbent assay for antibody detection in swine. *Journal of Clinical Microbiology*, **2001**, 39, 1487-93	9.7	40
100	Neutralizing antibody against SARS-CoV-2 spike in COVID-19 patients, health care workers, and convalescent plasma donors. *JCI Insight*, **2020**, 5,	9.9	40

99	Structural alteration of tight and adherens junctions in villous and crypt epithelium of the small and large intestine of conventional nursing piglets infected with porcine epidemic diarrhea virus. *Veterinary Microbiology*, **2015**, 177, 373-8	3.3	39
98	Comparative Pathogenesis of Bovine and Porcine Respiratory Coronaviruses in the Animal Host Species and SARS-CoV-2 in Humans. *Journal of Clinical Microbiology*, **2020**, 58,	9.7	38
97	Determination of the infectious titer and virulence of an original US porcine epidemic diarrhea virus PC22A strain. *Veterinary Research*, **2015**, 46, 109	3.8	38
96	Molecular characterization of a new species in the genus Alphacoronavirus associated with mink epizootic catarrhal gastroenteritis. *Journal of General Virology*, **2011**, 92, 1369-1379	4.9	38
95	Magnitude of serum and intestinal antibody responses induced by sequential replicating and nonreplicating rotavirus vaccines in gnotobiotic pigs and correlation with protection. *Vaccine Journal*, **2004**, 11, 12-20		38
94	Evaluation of two antigen-capture ELISAs using polyclonal or monoclonal antibodies for the detection of bovine coronavirus. *Journal of Veterinary Diagnostic Investigation*, **1996**, 8, 99-105	1.5	37
93	Short-term immunoglobulin A B-cell memory resides in intestinal lymphoid tissues but not in bone marrow of gnotobiotic pigs inoculated with Wa human rotavirus. *Immunology*, **2001**, 103, 188-98	7.8	35
92	Detection and isolation of coronavirus from feces of three herds of feedlot cattle during outbreaks of winter dysentery-like disease. *Journal of the American Veterinary Medical Association*, **2000**, 217, 1191-4	1	35
91	Cross-protection against a human enteric coronavirus and a virulent bovine enteric coronavirus in gnotobiotic calves. *Journal of Virology*, **2006**, 80, 12350-6	6.6	33
90	How the gut microbiome regulates host immune responses to viral vaccines. *Current Opinion in Virology*, **2019**, 37, 16-25	7.5	32
89	Prenatal vitamin A deficiency impairs adaptive immune responses to pentavalent rotavirus vaccine (RotaTeq) in a neonatal gnotobiotic pig model. *Vaccine*, **2014**, 32, 816-24	4.1	32
88	Enteric viral infections of pigs and strategies for induction of mucosal immunity. *Advances in Veterinary Medicine*, **1999**, 41, 429-46		32
87	Unraveling the Differences between Gram-Positive and Gram-Negative Probiotics in Modulating Protective Immunity to Enteric Infections. *Frontiers in Immunology*, **2017**, 8, 334	8.4	31
86	Attenuation of an original US porcine epidemic diarrhea virus strain PC22A via serial cell culture passage. *Veterinary Microbiology*, **2017**, 201, 62-71	3.3	30
85	Porcine deltacoronavirus induces apoptosis in swine testicular and LLC porcine kidney cell lines in vitro but not in infected intestinal enterocytes in vivo. *Veterinary Microbiology*, **2016**, 182, 57-63	3.3	30
84	VACCINES FOR COVID-19: PERSPECTIVES, PROSPECTS, AND CHALLENGES BASED ON CANDIDATE SARS, MERS, AND ANIMAL CORONAVIRUS VACCINES. *European Medical Journal (Chelmsford, England)*,	7.5	29
83	Attempts to grow human noroviruses, a sapovirus, and a bovine norovirus in vitro. *PLoS ONE*, **2018**, 13, e0178157	3.7	28
82	Escherichia coli Nissle 1917 protects gnotobiotic pigs against human rotavirus by modulating pDC and NK-cell responses. *European Journal of Immunology*, **2016**, 46, 2426-2437	6.1	28

81	Coronaviruses **2019**, 488-523		27
80	Susceptibility of porcine IPEC-J2 intestinal epithelial cells to infection with porcine deltacoronavirus (PDCoV) and serum cytokine responses of gnotobiotic pigs to acute infection with IPEC-J2 cell culture-passaged PDCoV. *Veterinary Microbiology*, **2018**, 221, 49-58	3.3	27
79	Occurrence of human enteric viruses at freshwater beaches during swimming season and its link to water inflow. *Science of the Total Environment*, **2014**, 472, 757-66	10.2	27
78	Prevalence and molecular characterization of porcine enteric caliciviruses and first detection of porcine kobuviruses in US swine. *Archives of Virology*, **2013**, 158, 1583-8	2.6	27
77	Deletion of both the Tyrosine-Based Endocytosis Signal and the Endoplasmic Reticulum Retrieval Signal in the Cytoplasmic Tail of Spike Protein Attenuates Porcine Epidemic Diarrhea Virus in Pigs. *Journal of Virology*, **2019**, 93,	6.6	27
76	Impact of nutrition and rotavirus infection on the infant gut microbiota in a humanized pig model. *BMC Gastroenterology*, **2018**, 18, 93	3	26
75	Protein Malnutrition Modifies Innate Immunity and Gene Expression by Intestinal Epithelial Cells and Human Rotavirus Infection in Neonatal Gnotobiotic Pigs. *MSphere*, **2017**, 2,	5	25
74	Development of a one-step RT-PCR assay for detection of pancoronaviruses (□ □ □ and □coronaviruses) using newly designed degenerate primers for porcine and avian □fecal samples. *Journal of Virological Methods*, **2018**, 256, 116-122	2.6	25
73	Probiotics and colostrum/milk differentially affect neonatal humoral immune responses to oral rotavirus vaccine. *Vaccine*, **2013**, 31, 1916-23	4.1	25
72	Protein Malnutrition Alters Tryptophan and Angiotensin-Converting Enzyme 2 Homeostasis and Adaptive Immune Responses in Human Rotavirus-Infected Gnotobiotic Pigs with Human Infant Fecal Microbiota Transplant. *Vaccine Journal*, **2017**, 24,		24
71	Vitamin A deficiency impairs adaptive B and T cell responses to a prototype monovalent attenuated human rotavirus vaccine and virulent human rotavirus challenge in a gnotobiotic piglet model. *PLoS ONE*, **2013**, 8, e82966	3.7	24
70	Comparative pathogenesis of enteric viral infections of swine. *Advances in Experimental Medicine and Biology*, **1999**, 473, 47-59	3.6	24
69	Decline of transmissible gastroenteritis virus and its complex evolutionary relationship with porcine respiratory coronavirus in the United States. *Scientific Reports*, **2019**, 9, 3953	4.9	22
68	Goblet cell depletion in small intestinal villous and crypt epithelium of conventional nursing and weaned pigs infected with porcine epidemic diarrhea virus. *Research in Veterinary Science*, **2017**, 110, 12-15	2.5	22
67	Pathogenesis of GIII.2 bovine norovirus, CV186-OH/00/US strain in gnotobiotic calves. *Veterinary Microbiology*, **2014**, 168, 202-7	3.3	22
66	Immune responses to bovine norovirus-like particles with various adjuvants and analysis of protection in gnotobiotic calves. *Vaccine*, **2006**, 24, 317-26	4.1	22
65	Neutralization and Stability of SARS-CoV-2 Omicron Variant. **2021**,		21
64	Protein deficiency reduces efficacy of oral attenuated human rotavirus vaccine in a human infant fecal microbiota transplanted gnotobiotic pig model. *Vaccine*, **2018**, 36, 6270-6281	4.1	21

63	Antiviral effect of theaflavins against caliciviruses. *Journal of Antibiotics*, **2017**, 70, 443-447	3.7	20
62	SARS-CoV-2 spreads through cell-to-cell transmission.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119,	11.5	20
61	Recognition of Histo-Blood Group Antigen-Like Carbohydrates in Lettuce by Human GII.4 Norovirus. *Applied and Environmental Microbiology*, **2016**, 82, 2966-74	4.8	20
60	In vivo gut transcriptome responses to Lactobacillus rhamnosus GG and Lactobacillus acidophilus in neonatal gnotobiotic piglets. *Gut Microbes*, **2014**, 5, 152-64	8.8	19
59	Bovine Coronavirus and the Associated Diseases. *Frontiers in Veterinary Science*, **2021**, 8, 643220	3.1	19
58	Epidemiology of Deltacoronaviruses (ΔCoV) and Gammacoronaviruses (ΓCoV) in Wild Birds in the United States. *Viruses*, **2019**, 11,	6.2	18
57	Engineering a Live Attenuated Porcine Epidemic Diarrhea Virus Vaccine Candidate via Inactivation of the Viral 2S-Methyltransferase and the Endocytosis Signal of the Spike Protein. *Journal of Virology*, **2019**, 93,	6.6	18
56	Stage of Gestation at Porcine Epidemic Diarrhea Virus Infection of Pregnant Swine Impacts Maternal Immunity and Lactogenic Immune Protection of Neonatal Suckling Piglets. *Frontiers in Immunology*, **2019**, 10, 727	8.4	18
55	Immunohistochemical detection of the vomiting-inducing monoamine neurotransmitter serotonin and enterochromaffin cells in the intestines of conventional or gnotobiotic (Gn) pigs infected with porcine epidemic diarrhea virus (PEDV) and serum cytokine responses of Gn pigs to acute PEDV infection. *Research in Veterinary Science*, **2018**, 119, 99-108	2.5	18
54	Neutralizing antibody responses elicited by SARS-CoV-2 mRNA vaccination wane over time and are boosted by breakthrough infection.. *Science Translational Medicine*, **2022**, 14, eabn8057	17.5	17
53	Evaluation of the baculovirus-expressed S glycoprotein of transmissible gastroenteritis virus (TGEV) as antigen in a competition ELISA to differentiate porcine respiratory coronavirus from TGEV antibodies in pigs. *Journal of Veterinary Diagnostic Investigation*, **1999**, 11, 205-14	1.5	16
52	Detection of group 2a coronaviruses with emphasis on bovine and wild ruminant strains. Virus isolation and detection of antibody, antigen, and nucleic acid. *Methods in Molecular Biology*, **2008**, 454, 43-59	1.4	16
51	Multiplex real-time RT-PCR for the simultaneous detection and quantification of GI, GII and GIV noroviruses. *Journal of Virological Methods*, **2015**, 223, 109-14	2.6	15
50	Feline Calicivirus, Murine Norovirus, Porcine Sapovirus, and Tulane Virus Survival on Postharvest Lettuce. *Applied and Environmental Microbiology*, **2015**, 81, 5085-92	4.8	15
49	Immunohistochemistry of transmissible gastroenteritis virus antigens in fixed paraffin-embedded tissues. *Journal of Veterinary Diagnostic Investigation*, **1996**, 8, 161-7	1.5	15
48	Host Factors Affecting Generation of Immunity Against Porcine Epidemic Diarrhea Virus in Pregnant and Lactating Swine and Passive Protection of Neonates. *Pathogens*, **2020**, 9,	4.5	14
47	Comparative In Vitro and In Vivo Studies of Porcine Rotavirus G9P[13] and Human Rotavirus Wa G1P[8]. *Journal of Virology*, **2016**, 90, 142-51	6.6	14
46	Pathogenicity and immunogenicity of attenuated porcine epidemic diarrhea virus PC22A strain in conventional weaned pigs. *BMC Veterinary Research*, **2019**, 15, 26	2.7	14

45	Cross protective immune responses in nursing piglets infected with a US spike-insertion deletion porcine epidemic diarrhea virus strain and challenged with an original US PEDV strain. *Veterinary Research*, **2017**, 48, 61	3.8	13
44	Abiotic Stress and Phyllosphere Bacteria Influence the Survival of Human Norovirus and Its Surrogates on Preharvest Leafy Greens. *Applied and Environmental Microbiology*, **2016**, 82, 352-63	4.8	12
43	Naturally Occurring Animal Coronaviruses as Models for Studying Highly Pathogenic Human Coronaviral Disease. *Veterinary Pathology*, **2021**, 58, 438-452	2.8	12
42	Effects of Nissle 1917 and Ciprofloxacin on small intestinal epithelial cell mRNA expression in the neonatal piglet model of human rotavirus infection. *Gut Pathogens*, **2016**, 8, 66	5.4	11
41	Integrating bacterial and viral water quality assessment to predict swimming-associated illness at a freshwater beach: a cohort study. *PLoS ONE*, **2014**, 9, e112029	3.7	11
40	Impaired neutralizing antibody response to COVID-19 mRNA vaccines in cancer patients. *Cell and Bioscience*, **2021**, 11, 197	9.8	10
39	Characterization and prevalence of a new porcine Calicivirus in Swine, United States. *Emerging Infectious Diseases*, **2011**, 17, 1103-6	10.2	10
38	Neutralization of SARS-CoV-2 Variants of Concern Harboring Q677H. *MBio*, **2021**, 12, e0251021	7.8	10
37	Mechanism of Cell Culture Adaptation of an Enteric Calicivirus, the Porcine Sapovirus Cowden Strain. *Journal of Virology*, **2016**, 90, 1345-58	6.6	9
36	A portable, 3D printed, microfluidic device for multiplexed, real time, molecular detection of the porcine epidemic diarrhea virus, transmissible gastroenteritis virus, and porcine deltacoronavirus at the point of need. *Lab on A Chip*, **2021**, 21, 1118-1130	7.2	9
35	Coronaviruses of Domestic Livestock and Poultry: Interspecies Transmission, Pathogenesis, and Immunity **2014**, 279-298		8
34	Retrospective serosurveillance of bovine norovirus (GIII.2) and nebovirus in cattle from selected feedlots and a veal calf farm in 1999 to 2001 in the United States. *Archives of Virology*, **2014**, 159, 83-90	2.6	8
33	Human sapovirus propagation in human cell lines supplemented with bile acids. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 32078-32085	11.5	8
32	Tissue-specific mRNA expression profiles of porcine Toll-like receptors at different ages in germ-free and conventional pigs. *Veterinary Immunology and Immunopathology*, **2016**, 171, 7-16	2	8
31	Oral vitamin A supplementation of porcine epidemic diarrhea virus infected gilts enhances IgA and lactogenic immune protection of nursing piglets. *Veterinary Research*, **2019**, 50, 101	3.8	8
30	Replicative capacity of porcine deltacoronavirus and porcine epidemic diarrhea virus in primary bovine mesenchymal cells. *Veterinary Microbiology*, **2020**, 244, 108660	3.3	8
29	Infection of porcine small intestinal enteroids with human and pig rotavirus A strains reveals contrasting roles for histo-blood group antigens and terminal sialic acids. *PLoS Pathogens*, **2021**, 17, e1009237	7.6	8
28	Malnutrition Decreases Antibody Secreting Cell Numbers Induced by an Oral Attenuated Human Rotavirus Vaccine in a Human Infant Fecal Microbiota Transplanted Gnotobiotic Pig Model. *Frontiers in Immunology*, **2020**, 11, 196	8.4	7

27	Tissue Distribution and Visualization of Internalized Human Norovirus in Leafy Greens. *Applied and Environmental Microbiology*, **2018**, 84,	4.8	7
26	Deltacoronavirus Evolution and Transmission: Current Scenario and Evolutionary Perspectives. *Frontiers in Veterinary Science*, **2020**, 7, 626785	3.1	7
25	Human Norovirus Histo-Blood Group Antigen (HBGA) Binding Sites Mediate the Virus Specific Interactions with Lettuce Carbohydrates. *Viruses*, **2019**, 11,	6.2	6
24	BIOLOGICAL ASPECTS OF THE INTERSPECIES TRANSMISSION OF SELECTED CORONAVIRUSES **2013** , 393-418		6
23	Are COVID-19 Vaccine Boosters Needed? The Science behind Boosters. *Journal of Virology*, **2021**, JVI0197721	6.2	6
22	Escherichia coli Nissle 1917 Enhances Innate and Adaptive Immune Responses in a Ciprofloxacin-Treated Defined-Microbiota Piglet Model of Human Rotavirus Infection. *MSphere*, **2021**, 6,	5	6
21	Interactions between human microbiome, diet, enteric viruses and immune system: Novel insights from gnotobiotic pig research. *Drug Discovery Today: Disease Models*, **2018**, 28, 95-103	1.3	6
20	Rotavirus C: prevalence in suckling piglets and development of virus-like particles to assess the influence of maternal immunity on the disease development. *Veterinary Research*, **2019**, 50, 84	3.8	5
19	Postharvest Survival of Porcine Sapovirus, a Human Norovirus Surrogate, on Phytopathogen-Infected Leafy Greens. *Journal of Food Protection*, **2015**, 78, 1472-80	2.5	5
18	Chimeric Porcine Deltacoronaviruses with Sparrow Coronavirus Spike Protein or the Receptor-Binding Domain Infect Pigs but Lose Virulence and Intestinal Tropism. *Viruses*, **2021**, 13,	6.2	5
17	Comparative Transcriptome Profiling of Human and Pig Intestinal Epithelial Cells after Porcine Deltacoronavirus Infection. *Viruses*, **2021**, 13,	6.2	5
16	Loss of Neutralizing Antibody Response to mRNA Vaccination against SARS-CoV-2 Variants: Differing Kinetics and Strong Boosting by Breakthrough Infection. **2021**,		4
15	Escherichia coli Nissle 1917 administered as a dextranomar microsphere biofilm enhances immune responses against human rotavirus in a neonatal malnourished pig model colonized with human infant fecal microbiota. *PLoS ONE*, **2021**, 16, e0246193	3.7	4
14	Porcine sapoviruses: Pathogenesis, epidemiology, genetic diversity, and diagnosis. *Virus Research*, **2020**, 286, 198025	6.4	3
13	Torovirus Pathogenesis and Immune Responses **2014**, 351-359		3
12	Winter Dysentery **2009**, 112-114		3
11	Comparative Sequence Analysis of Historic and Current Porcine Rotavirus C Strains and Their Pathogenesis in 3-Day-Old and 3-Week-Old Piglets. *Frontiers in Microbiology*, **2020**, 11, 780	5.7	2
10	Porcine Deltacoronaviruses: Origin, Evolution, Cross-Species Transmission and Zoonotic Potential.. *Pathogens*, **2022**, 11,	4.5	2

9	Roles of bile acids in enteric virus replication. *Animal Diseases*, **2021**, 1, 2		2
8	Amino Acid Substitutions in Positions 385 and 393 of the Hydrophobic Region of VP4 May Be Associated with Rotavirus Attenuation and Cell Culture Adaptation. *Viruses*, **2020**, 12,	6.2	1
7	Heat efficiently inactivates coronaviruses inside vehicles		1
6	Rotavirus Interactions With Host Intestinal Epithelial Cells.. *Frontiers in Immunology*, **2021**, 12, 793841	8.4	1
5	Mechanisms of Kwashiorkor-Associated Immune Suppression: Insights From Human, Mouse, and Pig Studies.. *Frontiers in Immunology*, **2022**, 13, 826268	8.4	1
4	Infectivity of GII.4 human norovirus does not differ between T-B-NK severe combined immunodeficiency (SCID) and non-SCID gnotobiotic pigs, implicating the role of NK cells in mediation of human norovirus infection. *Virus Research*, **2019**, 267, 21-25	6.4	0
3	Isolation and Tissue Culture Adaptation of Porcine Deltacoronavirus: A Case Study. *Methods in Molecular Biology*, **2020**, 2203, 77-88	1.4	0
2	Replication of porcine deltacoronavirus is limited in the gastrointestinal tract of neonatal piglets co-infected simultaneously or 16 hours prior with virulent porcine epidemic diarrhea virus. *Veterinary Microbiology*, **2021**, 261, 109206	3.3	0
1	Characterization of the Cross-Species Transmission Potential for Porcine Deltacoronaviruses Expressing Sparrow Coronavirus Spike Protein in Commercial Poultry. *Viruses*, **2022**, 14, 1225	6.2	0