Hans J Nauwynck

List of Publications by Citations

228 papers	6,412 citations	43 h-index	69 g-index
232 ext. papers	7,412 ext. citations	4.4 avg, IF	5.86 L-index

#	Paper	IF	Citations
228	Scavenger receptor CD163, a Jack-of-all-trades and potential target for cell-directed therapy. *Molecular Immunology*, **2010**, 47, 1650-60	4.3	241
227	Involvement of sialoadhesin in entry of porcine reproductive and respiratory syndrome virus into porcine alveolar macrophages. *Journal of Virology*, **2003**, 77, 8207-15	6.6	214
226	Sialoadhesin and CD163 join forces during entry of the porcine reproductive and respiratory syndrome virus. *Journal of General Virology*, **2008**, 89, 2943-2953	4.9	173
225	Pathogenesis and antigenic characterization of a new East European subtype 3 porcine reproductive and respiratory syndrome virus isolate. *BMC Veterinary Research*, **2010**, 6, 30	2.7	156
224	Porcine reproductive and respiratory syndrome virus entry into the porcine macrophage. *Journal of General Virology*, **2010**, 91, 1659-67	4.9	145
223	Effect of cellular changes and onset of humoral immunity on the replication of porcine reproductive and respiratory syndrome virus in the lungs of pigs. *Microbiology (United Kingdom)*, **2000**, 81, 1327-34	2.9	145
222	Porcine arterivirus infection of alveolar macrophages is mediated by sialic acid on the virus. *Journal of Virology*, **2004**, 78, 8094-101	6.6	132
221	Cytoskeletal rearrangements and cell extensions induced by the US3 kinase of an alphaherpesvirus are associated with enhanced spread. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 8990-5	11.5	126
220	Replication of avian, human and swine influenza viruses in porcine respiratory explants and association with sialic acid distribution. *Virology Journal*, **2010**, 7, 38	6.1	121
219	Correlation between the presence of neutralizing antibodies against porcine circovirus 2 (PCV2) and protection against replication of the virus and development of PCV2-associated disease. *BMC Veterinary Research*, **2006**, 2, 6	2.7	119
218	The M/GP(5) glycoprotein complex of porcine reproductive and respiratory syndrome virus binds the sialoadhesin receptor in a sialic acid-dependent manner. *PLoS Pathogens*, **2010**, 6, e1000730	7.6	112
217	Porcine circovirus 2 uses heparan sulfate and chondroitin sulfate B glycosaminoglycans as receptors for its attachment to host cells. *Journal of Virology*, **2006**, 80, 3487-94	6.6	111
216	Virus complement evasion strategies. *Journal of General Virology*, **2003**, 84, 1-15	4.9	106
215	Inactivated virus vaccines from chemistry to prophylaxis: merits, risks and challenges. *Expert Review of Vaccines*, **2012**, 11, 695-719	5.2	99
214	Genome-wide transcriptional response of primary alveolar macrophages following infection with porcine reproductive and respiratory syndrome virus. *Journal of General Virology*, **2008**, 89, 2550-2564	4.9	95
213	Apoptosis in the lungs of pigs infected with porcine reproductive and respiratory syndrome virus and associations with the production of apoptogenic cytokines. *Veterinary Research*, **2003**, 34, 249-60	3.8	92
212	Porcine reproductive and respiratory syndrome virus modulates apoptosis during replication in alveolar macrophages. *Archives of Virology*, **2008**, 153, 1453-65	2.6	84

211	Characterization of antigenic regions in the porcine reproductive and respiratory syndrome virus by the use of peptide-specific serum antibodies. *Vaccine*, **2011**, 29, 4794-804	4.1	83
210	Porcine arterivirus attachment to the macrophage-specific receptor sialoadhesin is dependent on the sialic acid-binding activity of the N-terminal immunoglobulin domain of sialoadhesin. *Journal of Virology*, **2007**, 81, 9546-50	6.6	83
209	Inhibition of endosome-lysosome system acidification enhances porcine circovirus 2 infection of porcine epithelial cells. *Journal of Virology*, **2008**, 82, 1128-35	6.6	82
208	Porcine reproductive and respiratory syndrome virus (PRRSV) causes apoptosis during its replication in fetal implantation sites. *Microbial Pathogenesis*, **2011**, 51, 194-202	3.8	78
207	Identification of the CD163 protein domains involved in infection of the porcine reproductive and respiratory syndrome virus. *Journal of Virology*, **2010**, 84, 3101-5	6.6	77
206	Extracellular eosinophilic traps in association with Staphylococcus aureus at the site of epithelial barrier defects in patients with severe airway inflammation. *Journal of Allergy and Clinical Immunology*, **2017**, 139, 1849-1860.e6	11.5	73
205	Identification of a putative receptor for porcine reproductive and respiratory syndrome virus on porcine alveolar macrophages. *Journal of Virology*, **1998**, 72, 4520-3	6.6	72
204	Porcine circovirus 2 infection in swine foetuses inoculated at different stages of gestation. *Veterinary Microbiology*, **2001**, 83, 169-76	3.3	69
203	Viremia and effect of fetal infection with porcine viruses with special reference to porcine circovirus 2 infection. *Veterinary Microbiology*, **2004**, 98, 175-83	3.3	68
202	Development of an experimental inactivated PRRSV vaccine that induces virus-neutralizing antibodies. *Veterinary Research*, **2009**, 40, 63	3.8	64
201	Cell biological and molecular characteristics of pseudorabies virus infections in cell cultures and in pigs with emphasis on the respiratory tract. *Veterinary Research*, **2007**, 38, 229-41	3.8	64
200	A beneficiary role for neuraminidase in influenza virus penetration through the respiratory mucus. *PLoS ONE*, **2014**, 9, e110026	3.7	63
199	Pathogenesis and prevention of placental and transplacental porcine reproductive and respiratory syndrome virus infection. *Veterinary Research*, **2013**, 44, 95	3.8	62
198	Alphaherpesvirus US3-mediated reorganization of the actin cytoskeleton is mediated by group A p21-activated kinases. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 8707-12	11.5	62
197	Porcine sialoadhesin (CD169/Siglec-1) is an endocytic receptor that allows targeted delivery of toxins and antigens to macrophages. *PLoS ONE*, **2011**, 6, e16827	3.7	61
196	Complete genome sequence of a porcine epidemic diarrhea virus from a novel outbreak in belgium, january 2015. *Genome Announcements*, **2015**, 3,		60
195	Pseudorabies virus US3 protein kinase mediates actin stress fiber breakdown. *Journal of Virology*, **2003**, 77, 9074-80	6.6	60
194	Clathrin- and caveolae-independent entry of feline infectious peritonitis virus in monocytes depends on dynamin. *Journal of General Virology*, **2008**, 89, 2147-2156	4.9	57

193	Change of porcine circovirus 2 target cells in pigs during development from fetal to early postnatal life. *Veterinary Microbiology*, **2003**, 95, 15-25	3.3	54
192	Replication of cytopathic and noncytopathic bovine viral diarrhea virus in zona-free and zona-intact in vitro-produced bovine embryos and the effect on embryo quality. *Biology of Reproduction*, **1998**, 58, 857-66	3.9	53
191	Alpha-herpesvirus glycoprotein D interaction with sensory neurons triggers formation of varicosities that serve as virus exit sites. *Journal of Cell Biology*, **2006**, 174, 267-75	7.3	52
190	A variable region in GP4 of European-type porcine reproductive and respiratory syndrome virus induces neutralizing antibodies against homologous but not heterologous virus strains. *Viral Immunology*, **2010**, 23, 403-13	1.7	51
189	Comparison of the efficacy of autogenous inactivated Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) vaccines with that of commercial vaccines against homologous and heterologous challenges. *BMC Veterinary Research*, **2012**, 8, 182	2.7	50
188	Functional impairment of PRRSV-specific peripheral CD3+CD8high cells. *Veterinary Research*, **2009**, 40, 46	3.8	48
187	The porcine reproductive and respiratory syndrome virus requires trafficking through CD163-positive early endosomes, but not late endosomes, for productive infection. *Archives of Virology*, **2009**, 154, 1939-43	2.6	47
186	Antigenic subtyping and epitopesR competition analysis of porcine circovirus type 2 using monoclonal antibodies. *Veterinary Microbiology*, **2012**, 157, 13-22	3.3	44
185	GP4-specific neutralizing antibodies might be a driving force in PRRSV evolution. *Virus Research*, **2010**, 154, 104-13	6.4	43
184	GP4 of porcine reproductive and respiratory syndrome virus contains a neutralizing epitope that is susceptible to immunoselection in vitro. *Archives of Virology*, **2010**, 155, 371-8	2.6	42
183	Susceptible cell lines for the production of porcine reproductive and respiratory syndrome virus by stable transfection of sialoadhesin and CD163. *BMC Biotechnology*, **2010**, 10, 48	3.5	42
182	Molt stage and cuticle damage influence white spot syndrome virus immersion infection in penaeid shrimp. *Veterinary Microbiology*, **2009**, 137, 209-16	3.3	40
181	Plasma membrane cholesterol is required for efficient pseudorabies virus entry. *Virology*, **2008**, 376, 339-45	3.6	40
180	Complete genome characterization of recent and ancient Belgian pig group A rotaviruses and assessment of their evolutionary relationship with human rotaviruses. *Journal of Virology*, **2015**, 89, 1043-57	6.6	39
179	Nanopore sequencing as a revolutionary diagnostic tool for porcine viral enteric disease complexes identifies porcine kobuvirus as an important enteric virus. *Scientific Reports*, **2018**, 8, 9830	4.9	39
178	Replication characteristics of porcine reproductive and respiratory syndrome virus (PRRSV) European subtype 1 (Lelystad) and subtype 3 (Lena) strains in nasal mucosa and cells of the monocytic lineage: indications for the use of new receptors of PRRSV (Lena). *Veterinary Research*, 2013, 44, 73	3.8	39
177	ORF7-encoded accessory protein 7a of feline infectious peritonitis virus as a counteragent against IFN-Induced antiviral response. *Journal of General Virology*, **2014**, 95, 393-402	4.9	39
176	Antibody-induced internalization of viral glycoproteins and gE-gI Fc receptor activity protect pseudorabies virus-infected monocytes from efficient complement-mediated lysis. *Journal of General Virology*, **2003**, 84, 939-947	4.9	38

175	A potential role for tumour necrosis factor-alpha in synergy between porcine respiratory coronavirus and bacterial lipopolysaccharide in the induction of respiratory disease in pigs. *Journal of Medical Microbiology*, **2000**, 49, 613-620	3.2	38
174	Porcine reproductive and respiratory syndrome virus (PRRSV)-specific mAbs: supporting diagnostics and providing new insights into the antigenic properties of the virus. *Veterinary Immunology and Immunopathology*, **2011**, 141, 246-57	2	36
173	Efficacy of an attenuated European subtype 1 porcine reproductive and respiratory syndrome virus (PRRSV) vaccine in pigs upon challenge with the East European subtype 3 PRRSV strain Lena. *Vaccine*, **2014**, 32, 2995-3003	4.1	35
172	Different clinical, virological, serological and tissue tropism outcomes of two new and one old Belgian type 1 subtype 1 porcine reproductive and respiratory virus (PRRSV) isolates. *Veterinary Research*, **2015**, 46, 37	3.8	33
171	Type 2 inflammation in chronic rhinosinusitis without nasal polyps: Another relevant endotype. *Journal of Allergy and Clinical Immunology*, **2020**, 146, 337-343.e6	11.5	33
170	RNA-sequence analysis of primary alveolar macrophages after in vitro infection with porcine reproductive and respiratory syndrome virus strains of differing virulence. *PLoS ONE*, **2014**, 9, e91918	3.7	33
169	Single amino acid mutations in the capsid switch the neutralization phenotype of porcine circovirus 2. *Journal of General Virology*, **2012**, 93, 1548-1555	4.9	32
168	Replication of equine herpesvirus type 1 in freshly isolated equine peripheral blood mononuclear cells and changes in susceptibility following mitogen stimulation. *Microbiology (United Kingdom)*, **2000**, 81, 21-5	2.9	32
167	Charcot-Leyden crystals promote neutrophilic inflammation in patients with nasal polyposis. *Journal of Allergy and Clinical Immunology*, **2020**, 145, 427-430.e4	11.5	32
166	Copatching and lipid raft association of different viral glycoproteins expressed on the surfaces of pseudorabies virus-infected cells. *Journal of Virology*, **2004**, 78, 5279-87	6.6	31
165	Characteristics of porcine circovirus-2 replication in lymphoid organs of pigs inoculated in late gestation or postnatally and possible relation to clinical and pathological outcome of infection. *Journal of Veterinary Diagnostic Investigation*, **2004**, 16, 175-85	1.5	31
164	Immobilization of pseudorabies virus in porcine tracheal respiratory mucus revealed by single particle tracking. *PLoS ONE*, **2012**, 7, e51054	3.7	31
163	Porcine reproductive and respiratory syndrome virus-infected alveolar macrophages contain no detectable levels of viral proteins in their plasma membrane and are protected against antibody-dependent, complement-mediated cell lysis. *Journal of General Virology*, **2006**, 87, 2341-2351	4.9	30
162	Herpes simplex virus type 1 penetrates the basement membrane in human nasal respiratory mucosa. *PLoS ONE*, **2011**, 6, e22160	3.7	30
161	Absence of viral antigens on the surface of equine herpesvirus-1-infected peripheral blood mononuclear cells: a strategy to avoid complement-mediated lysis. *Journal of General Virology*, **2003**, 84, 93-97	4.9	28
160	Cell-free and cell-associated viremia in pigs after oronasal infection with Aujeszky disease virus. *Veterinary Microbiology*, **1995**, 43, 307-14	3.3	28
159	Genetic Characterization of the Belgian Nephropathogenic Infectious Bronchitis Virus (NIBV) Reference Strain B1648. *Viruses*, **2015**, 7, 4488-506	6.2	27
158	Porcine reproductive and respiratory syndrome virus infection increases CD14 expression and lipopolysaccharide-binding protein in the lungs of pigs. *Viral Immunology*, **2005**, 18, 116-26	1.7	27

157	ZAP, a CCCH-Type Zinc Finger Protein, Inhibits Porcine Reproductive and Respiratory Syndrome Virus Replication and Interacts with Viral Nsp9. *Journal of Virology*, **2019**, 93,	6.6	25
156	Antibody response and maternal immunity upon boosting PRRSV-immune sows with experimental farm-specific and commercial PRRSV vaccines. *Veterinary Microbiology*, **2013**, 167, 260-71	3.3	25
155	Experimental feline enteric coronavirus infection reveals an aberrant infection pattern and shedding of mutants with impaired infectivity in enterocyte cultures. *Scientific Reports*, **2016**, 6, 20022	4.9	25
154	A substantial neutrophilic inflammation as regular part of severe type 2 chronic rhinosinusitis with nasal polyps. *Journal of Allergy and Clinical Immunology*, **2021**, 147, 179-188.e2	11.5	25
153	Equine Herpesvirus Type 1 Enhances Viral Replication in CD172a+ Monocytic Cells upon Adhesion to Endothelial Cells. *Journal of Virology*, **2015**, 89, 10912-23	6.6	24
152	Presence and characterization of pig group A and C rotaviruses in feces of Belgian diarrheic suckling piglets. *Virus Research*, **2016**, 213, 172-183	6.4	24
151	Diverse microbial interactions with the basement membrane barrier. *Trends in Microbiology*, **2012**, 20, 147-55	12.4	24
150	Productive replication of nephropathogenic infectious bronchitis virus in peripheral blood monocytic cells, a strategy for viral dissemination and kidney infection in chickens. *Veterinary Research*, **2016**, 47, 70	3.8	23
149	Outcome of experimental porcine circovirus type 1 infections in mid-gestational porcine foetuses. *BMC Veterinary Research*, **2011**, 7, 64	2.7	23
148	Higher resistance of porcine trigeminal ganglion neurons towards pseudorabies virus-induced cell death compared with other porcine cell types in vitro. *Journal of General Virology*, **2005**, 86, 1251-1260	4.9	23
147	Porcine group A rotaviruses with heterogeneous VP7 and VP4 genotype combinations can be found together with enteric bacteria on Belgian swine farms. *Veterinary Microbiology*, **2014**, 172, 23-34	3.3	22
146	Establishment of feline intestinal epithelial cell cultures for the propagation and study of feline enteric coronaviruses. *Veterinary Research*, **2013**, 44, 71	3.8	22
145	Equine herpesvirus type 1 replication is delayed in CD172a+ monocytic cells and controlled by histone deacetylases. *Journal of General Virology*, **2015**, 96, 118-130	4.9	21
144	Porcine semen as a vector for transmission of viral pathogens. *Theriogenology*, **2016**, 85, 27-38	2.8	21
143	Clinical and virological outcome of an infection with the Belgian equine arteritis virus strain 08P178. *Veterinary Microbiology*, **2012**, 157, 333-44	3.3	21
142	Molecular cloning of porcine Siglec-3, Siglec-5 and Siglec-10, and identification of Siglec-10 as an alternative receptor for porcine reproductive and respiratory syndrome virus (PRRSV). *Journal of General Virology*, **2017**, 98, 2030-2042	4.9	21
141	In vitro culture of equine respiratory mucosa explants. *Veterinary Journal*, **2009**, 181, 280-7	2.5	21
140	Identification of an enterovirus recombinant with a torovirus-like gene insertion during a diarrhea outbreak in fattening pigs. *Virus Evolution*, **2017**, 3, vex024	3.7	20

139	Suppression of NK cell-mediated cytotoxicity against PRRSV-infected porcine alveolar macrophages in vitro. *Veterinary Microbiology*, **2013**, 164, 261-9	3.3	20
138	Intriguing interplay between feline infectious peritonitis virus and its receptors during entry in primary feline monocytes. *Virus Research*, **2011**, 160, 32-9	6.4	20
137	Involvement of proteases in porcine reproductive and respiratory syndrome virus uncoating upon internalization in primary macrophages. *Veterinary Research*, **2008**, 39, 55	3.8	20
136	The role of accessory proteins in the replication of feline infectious peritonitis virus in peripheral blood monocytes. *Veterinary Microbiology*, **2013**, 162, 447-455	3.3	19
135	Virus replication cycle of white spot syndrome virus in secondary cell cultures from the lymphoid organ of Litopenaeus vannamei. *Journal of General Virology*, **2015**, 96, 2844-2854	4.9	19
134	Absence of viral envelope proteins in equine herpesvirus 1-infected blood mononuclear cells during cell-associated viremia. *Veterinary Microbiology*, **2006**, 113, 265-73	3.3	19
133	Replication characteristics of eight virulent and two attenuated genotype 1 and 2 porcine reproductive and respiratory syndrome virus (PRRSV) strains in nasal mucosa explants. *Veterinary Microbiology*, **2016**, 182, 156-62	3.3	18
132	Detection of total and PRRSV-specific antibodies in oral fluids collected with different rope types from PRRSV-vaccinated and experimentally infected pigs. *BMC Veterinary Research*, **2014**, 10, 134	2.7	18
131	Access to a main alphaherpesvirus receptor, located basolaterally in the respiratory epithelium, is masked by intercellular junctions. *Scientific Reports*, **2017**, 7, 16656	4.9	18
130	Role of sialic acids in feline enteric coronavirus infections. *Journal of General Virology*, **2014**, 95, 1911-1918	4.9	18
129	Interaction of the European genotype porcine reproductive and respiratory syndrome virus (PRRSV) with sialoadhesin (CD169/Siglec-1) inhibits alveolar macrophage phagocytosis. *Veterinary Research*, **2012**, 43, 47	3.8	18
128	A trypsin-like serine protease is involved in pseudorabies virus invasion through the basement membrane barrier of porcine nasal respiratory mucosa. *Veterinary Research*, **2011**, 42, 58	3.8	18
127	Feline infectious peritonitis virus-infected monocytes internalize viral membrane-bound proteins upon antibody addition. *Journal of General Virology*, **2006**, 87, 1685-1690	4.9	18
126	Pseudorabies virus glycoprotein gE triggers ERK1/2 phosphorylation and degradation of the pro-apoptotic protein Bim in epithelial cells. *Virus Research*, **2016**, 213, 214-218	6.4	17
125	Role of the cytoplasmic tail of gE in antibody-induced redistribution of viral glycoproteins expressed on pseudorabies-virus-infected cells. *Virology*, **1999**, 259, 141-7	3.6	17
124	Replication characteristics of infectious laryngotracheitis virus in the respiratory and conjunctival mucosa. *Avian Pathology*, **2014**, 43, 450-7	2.4	16
123	Demonstration of microchimerism in pregnant sows and effects of congenital PRRSV infection. *Veterinary Research*, **2012**, 43, 19	3.8	16
122	Kinetics of BoHV-1 dissemination in an in vitro culture of bovine upper respiratory tract mucosa explants. *ILAR Journal*, **2012**, 53, E43-54	1.7	16

121	Attachment and internalization of feline infectious peritonitis virus in feline blood monocytes and Crandell feline kidney cells. *Journal of General Virology*, **2007**, 88, 2527-2532	4.9	16
120	Characterization of a genetically heterogeneous porcine rotavirus C, and other viruses present in the fecal virome of a non-diarrheic Belgian piglet. *Infection, Genetics and Evolution*, **2016**, 43, 135-45	4.5	15
119	Development and use of a polarized equine upper respiratory tract mucosal explant system to study the early phase of pathogenesis of a European strain of equine arteritis virus. *Veterinary Research*, **2013**, 44, 22	3.8	15
118	Equine Herpesvirus 1 Bridles T Lymphocytes To Reach Its Target Organs. *Journal of Virology*, **2019**, 93,	6.6	15
117	Pollens destroy respiratory epithelial cell anchors and drive alphaherpesvirus infection. *Scientific Reports*, **2019**, 9, 4787	4.9	14
116	Comparative analysis of replication characteristics of BoHV-1 subtypes in bovine respiratory and genital mucosa explants: a phylogenetic enlightenment. *Veterinary Research*, **2011**, 42, 33	3.8	14
115	Surface-expressed viral proteins in feline infectious peritonitis virus-infected monocytes are internalized through a clathrin- and caveolae-independent pathway. *Journal of General Virology*, **2008**, 89, 2731-2740	4.9	14
114	Comparison of the pathogenesis of the highly passaged MCMV Smith strain with that of the low passaged MCMV HaNa1 isolate in BALB/c mice upon oronasal inoculation. *Veterinary Research*, **2015**, 46, 94	3.8	13
113	High quality genome assemblies of Mycoplasma bovis using a taxon-specific Bonito basecaller for MinION and Flongle long-read nanopore sequencing. *BMC Bioinformatics*, **2020**, 21, 517	3.6	13
112	Toll-like receptor agonists as adjuvants for inactivated porcine reproductive and respiratory syndrome virus (PRRSV) vaccine. *Veterinary Immunology and Immunopathology*, **2019**, 212, 27-37	2	12
111	Myosins 1 and 6, myosin light chain kinase, actin and microtubules cooperate during antibody-mediated internalisation and trafficking of membrane-expressed viral antigens in feline infectious peritonitis virus infected monocytes. *Veterinary Research*, **2014**, 45, 17	3.8	12
110	Porcine, murine and human sialoadhesin (Sn/Siglec-1/CD169): portals for porcine reproductive and respiratory syndrome virus entry into target cells. *Journal of General Virology*, **2013**, 94, 1955-1960	4.9	12
109	Susceptibility of hares and rabbits to a Belgian isolate of European brown hare syndrome virus. *Journal of Wildlife Diseases*, **1993**, 29, 203-8	1.3	12
108	Boosting in planta production of antigens derived from the porcine reproductive and respiratory syndrome virus (PRRSV) and subsequent evaluation of their immunogenicity. *PLoS ONE*, **2014**, 9, e91386	3.7	12
107	The US3 Protein of Pseudorabies Virus Drives Viral Passage across the Basement Membrane in Porcine Respiratory Mucosa Explants. *Journal of Virology*, **2016**, 90, 10945-10950	6.6	12
106	Xanthohumol inhibits PRRSV proliferation and alleviates oxidative stress induced by PRRSV via the Nrf2-HMOX1 axis. *Veterinary Research*, **2019**, 50, 61	3.8	11
105	The Attenuated Pseudorabies Virus Vaccine Strain Bartha K61: A Brief Review on the Knowledge Gathered During 60 Years of Research. *Pathogens*, **2020**, 9,	4.5	11
104	Preferential use of Siglec-1 or Siglec-10 by type 1 and type 2 PRRSV strains to infect PK15 and PK15 cells. *Veterinary Research*, **2018**, 49, 67	3.8	11

103	Abortigenic but Not Neurotropic Equine Herpes Virus 1 Modulates the Interferon Antiviral Defense. *Frontiers in Cellular and Infection Microbiology*, **2018**, 8, 312	5.9	11
102	CCL2 and CCL5 driven attraction of CD172a monocytic cells during an equine herpesvirus type 1 (EHV-1) infection in equine nasal mucosa and the impact of two migration inhibitors, rosiglitazone (RSG) and quinacrine (QC). *Veterinary Research*, **2017**, 48, 14	3.8	10
101	Changes on the viral capsid surface during the evolution of porcine circovirus type 2 (PCV2) from 2009 till 2018 may lead to a better receptor binding. *Virus Evolution*, **2019**, 5, vez026	3.7	10
100	Generation and characterization of feline arterial and venous endothelial cell lines for the study of the vascular endothelium. *BMC Veterinary Research*, **2013**, 9, 170	2.7	10
99	Impact of equine herpesvirus type 1 (EHV-1) infection on the migration of monocytic cells through equine nasal mucosa. *Comparative Immunology, Microbiology and Infectious Diseases*, **2014**, 37, 321-9	2.6	10
98	Expression of late viral proteins is restricted in nasal mucosal leucocytes but not in epithelial cells during early-stage equine herpes virus-1 infection. *Veterinary Journal*, **2012**, 193, 576-8	2.5	10
97	Evaluation of the antiviral activity of (1*S*,2*R*)-9-[[1*R*,2*R*bis(hydroxymethyl)cycloprop-1*R*yl]methyl]guanine (A-5021) against equine herpesvirus type 1 in cell monolayers and equine nasal mucosal explants. *Antiviral Research*, **2012**, 93, 234-238	10.8	10
96	Tyrosine phosphorylation and lipid raft association of pseudorabies virus glycoprotein E during antibody-mediated capping. *Virology*, **2007**, 362, 60-6	3.6	10
95	Persistent domestic circulation of African swine fever virus in Tanzania, 2015-2017. *BMC Veterinary Research*, **2020**, 16, 369	2.7	10
94	25-Hydroxycholesterol provides antiviral protection against highly pathogenic porcine reproductive and respiratory syndrome virus in swine. *Veterinary Microbiology*, **2019**, 231, 63-70	3.3	9
93	Per os infectivity of white spot syndrome virus (WSSV) in white-legged shrimp (Litopenaeus vannamei) and role of peritrophic membrane. *Veterinary Research*, **2016**, 47, 39	3.8	9
92	Modified-live PRRSV subtype 1 vaccine UNISTRAIN PRRS provides a partial clinical and virological protection upon challenge with East European subtype 3 PRRSV strain Lena. *Porcine Health Management*, **2016**, 2, 12	3.5	9
91	Isolation and characterization of equine nasal mucosal CD172a + cells. *Veterinary Immunology and Immunopathology*, **2014**, 157, 155-63	2	9
90	Transmission of pseudorabies virus from immune-masked blood monocytes to endothelial cells. *Journal of General Virology*, **2003**, 84, 629-637	4.9	9
89	Genetic Analysis of African Swine Fever Virus From the 2018 Outbreak in South-Eastern Burundi. *Frontiers in Veterinary Science*, **2020**, 7, 578474	3.1	9
88	A Triple Amino Acid Substitution at Position 88/94/95 in Glycoprotein GP2a of Type 1 Porcine Reproductive and Respiratory Syndrome Virus (PRRSV1) Is Responsible for Adaptation to MARC-145 Cells. *Viruses*, **2019**, 11,	6.2	8
87	Beyond Gut Instinct: Metabolic Short-Chain Fatty Acids Moderate the Pathogenesis of Alphaherpesviruses. *Frontiers in Microbiology*, **2019**, 10, 723	5.7	8
86	Role of Porcine Aminopeptidase N and Sialic Acids in Porcine Coronavirus Infections in Primary Porcine Enterocytes. *Viruses*, **2020**, 12,	6.2	8

85	New insights about vaccine effectiveness: Impact of attenuated PRRS-strain vaccination on heterologous strain transmission. *Vaccine*, **2020**, 38, 3050-3061	4.1	8
84	A DNA Prime Immuno-Potentiates a Modified Live Vaccine against the Porcine Reproductive and Respiratory Syndrome Virus but Does Not Improve Heterologous Protection. *Viruses*, **2019**, 11,	6.2	8
83	Therapeutic effect of Xanthohumol against highly pathogenic porcine reproductive and respiratory syndrome viruses. *Veterinary Microbiology*, **2019**, 238, 108431	3.3	8
82	S100A9 regulates porcine reproductive and respiratory syndrome virus replication by interacting with the viral nucleocapsid protein. *Veterinary Microbiology*, **2019**, 239, 108498	3.3	8
81	Evaluation of viral peptide targeting to porcine sialoadhesin using a porcine reproductive and respiratory syndrome virus vaccination-challenge model. *Virus Research*, **2013**, 177, 147-55	6.4	8
80	Natural killer cells: frequency, phenotype and function in healthy cats. *Veterinary Immunology and Immunopathology*, **2012**, 150, 69-78	2	8
79	In vitro assessment of the feline cell-mediated immune response against feline panleukopeniavirus, calicivirus and felid herpesvirus 1 using 5-bromo-2Rdeoxyuridine labeling. *Veterinary Immunology and Immunopathology*, **2012**, 146, 177-84	2	8
78	Characterization of a circulating PRRSV strain by means of random PCR cloning and full genome sequencing. *Virology Journal*, **2011**, 8, 160	6.1	8
77	Cholesterol depletion affects infectivity and stability of pseudorabies virus. *Virus Research*, **2010**, 152, 180-3	6.4	8
76	Mitogen stimulation favours replication of equine herpesvirus-1 in equine blood mononuclear cells by inducing cell proliferation and formation of close intercellular contacts. *Journal of General Virology*, **2001**, 82, 1951-1957	4.9	8
75	Unravelling the first key steps in equine herpesvirus type 5 (EHV5) pathogenesis using ex vivo and in vitro equine models. *Veterinary Research*, **2019**, 50, 13	3.8	8
74	African Swine Fever Virus Circulation between Tanzania and Neighboring Countries: A Systematic Review and Meta-Analysis. *Viruses*, **2021**, 13,	6.2	8
73	Genetic and pathogenic characterization of a Russian subtype 2 PRRSV-1 isolate. *Veterinary Microbiology*, **2017**, 211, 22-28	3.3	7
72	A DNA-Modified Live Vaccine Prime-Boost Strategy Broadens the T-Cell Response and Enhances the Antibody Response against the Porcine Reproductive and Respiratory Syndrome Virus. *Viruses*, **2019**, 11,	6.2	7
71	Replication characteristics of equine herpesvirus 1 and equine herpesvirus 3: comparative analysis using ex vivo tissue cultures. *Veterinary Research*, **2016**, 47, 19	3.8	7
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