

Hans J Nauwynck

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Innate antiviral responses in porcine nasal mucosal explants inoculated with influenza A virus are comparable with responses in respiratory tissues after viral infection.. <i>Immunobiology</i> , 2022 , 227, 152192-4	2.4	0
227	Functional Analysis of Human and Feline Coronavirus Cross-Reactive Antibodies Directed Against the SARS-CoV-2 Fusion Peptide.. <i>Frontiers in Immunology</i> , 2021 , 12, 790415	8.4	2
226	Organ-specific genome diversity of replication-competent SARS-CoV-2. <i>Nature Communications</i> , 2021 , 12, 6612	17.4	5
225	The Pathogenesis and Immune Evasive Mechanisms of Equine Herpesvirus Type 1. <i>Frontiers in Microbiology</i> , 2021 , 12, 662686	5.7	5
224	Semi-quantitative risk assessment by expert elicitation of potential introduction routes of African swine fever from wild reservoir to domestic pig industry and subsequent spread during the Belgian outbreak (2018-2019). <i>Transboundary and Emerging Diseases</i> , 2021 , 68, 2761-2773	4.2	2
223	"Don, doff, discard" to "don, doff, decontaminate"-FFR and mask integrity and inactivation of a SARS-CoV-2 surrogate and a norovirus following multiple vaporised hydrogen peroxide-, ultraviolet germicidal irradiation-, and dry heat decontaminations. <i>PLoS ONE</i> , 2021 , 16, e0251872	3.7	5
222	Addressing personal protective equipment (PPE) decontamination: Methylene blue and light inactivates severe acute respiratory coronavirus virus 2 (SARS-CoV-2) on N95 respirators and medical masks with maintenance of integrity and fit. <i>Infection Control and Hospital Epidemiology</i> , 2021 , 46, 1-9	2	6
221	Genome Sequences of Equine Herpesvirus 1 Strains from a European Outbreak of Neurological Disorders Linked to a Horse Gathering in Valencia, Spain, in 2021. <i>Microbiology Resource Announcements</i> , 2021 , 10, e00487-21	1.3	6
220	Comparison of Primary Virus Isolation in Pulmonary Alveolar Macrophages and Four Different Continuous Cell Lines for Type 1 and Type 2 Porcine Reproductive and Respiratory Syndrome Virus. <i>Vaccines</i> , 2021 , 9, 1370	5.3	1
219	Environmental stability of porcine respiratory coronavirus in aquatic environments. <i>PLoS ONE</i> , 2021 , 16, e0254540	3.7	3
218	A substantial neutrophilic inflammation as regular part of severe type 2 chronic rhinosinusitis with nasal polyps. <i>Journal of Allergy and Clinical Immunology</i> , 2021 , 147, 179-188.e2	11.5	25
217	African Swine Fever Virus Circulation between Tanzania and Neighboring Countries: A Systematic Review and Meta-Analysis. <i>Viruses</i> , 2021 , 13, 1566	6.2	8
216	Complete genome analysis of African swine fever virus responsible for outbreaks in domestic pigs in 2018 in Burundi and 2019 in Malawi. <i>Tropical Animal Health and Production</i> , 2021 , 53, 438	1.7	3
215	The Attenuated Pseudorabies Virus Vaccine Strain Bartha K61: A Brief Review on the Knowledge Gathered During 60 Years of Research. <i>Pathogens</i> , 2020 , 9, 1079	4.5	11
214	An Alphaherpesvirus Exploits Antimicrobial Defensins To Initiate Respiratory Tract Infection. <i>Journal of Virology</i> , 2020 , 94, e00130-20	6.6	6
213	Type 2 inflammation in chronic rhinosinusitis without nasal polyps: Another relevant endotype. <i>Journal of Allergy and Clinical Immunology</i> , 2020 , 146, 337-343.e6	11.5	33
212	Role of Porcine Aminopeptidase N and Sialic Acids in Porcine Coronavirus Infections in Primary Porcine Enterocytes. <i>Viruses</i> , 2020 , 12, 1170	6.2	8

211	New insights about vaccine effectiveness: Impact of attenuated PRRS-strain vaccination on heterologous strain transmission. <i>Vaccine</i> , 2020 , 38, 3050-3061	4.1	8
210	Isolation and characterization of a new population of nasal surface macrophages and their susceptibility to PRRSV-1 subtype 1 (LV) and subtype 3 (Lena). <i>Veterinary Research</i> , 2020 , 51, 21	3.8	2
209	Characterization of feline herpesvirus-1 deletion mutants in tissue explant cultures. <i>Virus Research</i> , 2020 , 284, 197981	6.4	0
208	Persistent domestic circulation of African swine fever virus in Tanzania, 2015-2017. <i>BMC Veterinary Research</i> , 2020 , 16, 369	2.7	10
207	Phylogenomic analysis of <i>Mycoplasma bovis</i> from Belgian veal, dairy and beef herds. <i>Veterinary Research</i> , 2020 , 51, 121	3.8	7
206	Porcine reproductive and respiratory syndrome virus Nsp4 cleaves ZAP to antagonize its antiviral activity. <i>Veterinary Microbiology</i> , 2020 , 250, 108863	3.3	7
205	Genetic Analysis of African Swine Fever Virus From the 2018 Outbreak in South-Eastern Burundi. <i>Frontiers in Veterinary Science</i> , 2020 , 7, 578474	3.1	9
204	High quality genome assemblies of <i>Mycoplasma bovis</i> using a taxon-specific Bonito basecaller for MinION and Flongle long-read nanopore sequencing. <i>BMC Bioinformatics</i> , 2020 , 21, 517	3.6	13
203	The shrimp nephrocomplex serves as a major portal of pathogen entry and is involved in the molting process. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 28374-28383	11.5	5
202	Charcot-Leyden crystals promote neutrophilic inflammation in patients with nasal polyposis. <i>Journal of Allergy and Clinical Immunology</i> , 2020 , 145, 427-430.e4	11.5	32
201	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. <i>Viruses</i> , 2019 , 11,	6.2	8
200	Strain-Dependent Porcine Circovirus Type 2 (PCV2) Entry and Replication in T-Lymphoblasts. <i>Viruses</i> , 2019 , 11,	6.2	3
199	No Evidence for a Role for Antibodies during Vaccination-Induced Enhancement of Porcine Reproductive and Respiratory Syndrome. <i>Viruses</i> , 2019 , 11,	6.2	4
198	Xanthohumol inhibits PRRSV proliferation and alleviates oxidative stress induced by PRRSV via the Nrf2-HMOX1 axis. <i>Veterinary Research</i> , 2019 , 50, 61	3.8	11
197	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. <i>Viruses</i> , 2019 , 11,	6.2	7
196	Deoxynivalenol, but not fumonisin B1, aflatoxin B1 or diesel exhaust particles disrupt integrity of the horse's respiratory epithelium and predispose it for equine herpesvirus type 1 infection. <i>Veterinary Microbiology</i> , 2019 , 234, 17-24	3.3	3
195	Toll-like receptor agonists as adjuvants for inactivated porcine reproductive and respiratory syndrome virus (PRRSV) vaccine. <i>Veterinary Immunology and Immunopathology</i> , 2019 , 212, 27-37	2	12
194	Pollens destroy respiratory epithelial cell anchors and drive alphaherpesvirus infection. <i>Scientific Reports</i> , 2019 , 9, 4787	4.9	14

193	25-Hydroxycholesterol provides antiviral protection against highly pathogenic porcine reproductive and respiratory syndrome virus in swine. <i>Veterinary Microbiology</i> , 2019 , 231, 63-70	3.3	9
192	Gammaherpesvirus BoHV-4 infects bovine respiratory epithelial cells mainly at the basolateral side. <i>Veterinary Research</i> , 2019 , 50, 11	3.8	4
191	ZAP, a CCCH-Type Zinc Finger Protein, Inhibits Porcine Reproductive and Respiratory Syndrome Virus Replication and Interacts with Viral Nsp9. <i>Journal of Virology</i> , 2019 , 93,	6.6	25
190	Beyond Gut Instinct: Metabolic Short-Chain Fatty Acids Moderate the Pathogenesis of Alpha herpesviruses. <i>Frontiers in Microbiology</i> , 2019 , 10, 723	5.7	8
189	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. <i>Virus Evolution</i> , 2019 , 5, vez026	3.7	10
188	A DNA Prime Immuno-Potentates a Modified Live Vaccine against the Porcine Reproductive and Respiratory Syndrome Virus but Does Not Improve Heterologous Protection. <i>Viruses</i> , 2019 , 11,	6.2	8
187	Therapeutic effect of Xanthohumol against highly pathogenic porcine reproductive and respiratory syndrome viruses. <i>Veterinary Microbiology</i> , 2019 , 238, 108431	3.3	8
186	S100A9 regulates porcine reproductive and respiratory syndrome virus replication by interacting with the viral nucleocapsid protein. <i>Veterinary Microbiology</i> , 2019 , 239, 108498	3.3	8
185	Equine herpesvirus 1 infection orchestrates the expression of chemokines in equine respiratory epithelial cells. <i>Journal of General Virology</i> , 2019 , 100, 1567-1579	4.9	5
184	Identification of peptide domains involved in the subcellular localization of the feline coronavirus 3b protein. <i>Journal of General Virology</i> , 2019 , 100, 1417-1430	4.9	3
183	Unravelling the first key steps in equine herpesvirus type 5 (EHV5) pathogenesis using ex vivo and in vitro equine models. <i>Veterinary Research</i> , 2019 , 50, 13	3.8	8
182	Failure to Remove Bluetongue Serotype 8 Virus (BTV-8) From Produced and Derived Bovine Embryos and Subsequent Transmission of BTV-8 to Recipient Cows After Embryo Transfer. <i>Frontiers in Veterinary Science</i> , 2019 , 6, 432	3.1	5
181	Porcine rotavirus mainly infects primary porcine enterocytes at the basolateral surface. <i>Veterinary Research</i> , 2019 , 50, 110	3.8	4
180	Presence of gammaherpesvirus BoHV-4 in endometrial cytology samples is not associated with subclinical endometritis diagnosed at artificial insemination in dairy cows. <i>Veterinary Microbiology</i> , 2019 , 229, 130-137	3.3	4
179	Equine Herpesvirus 1 Bridges T Lymphocytes To Reach Its Target Organs. <i>Journal of Virology</i> , 2019 , 93,	6.6	15
178	Nanopore sequencing as a revolutionary diagnostic tool for porcine viral enteric disease complexes identifies porcine kobuvirus as an important enteric virus. <i>Scientific Reports</i> , 2018 , 8, 9830	4.9	39
177	Preferential use of Siglec-1 or Siglec-10 by type 1 and type 2 PRRSV strains to infect PK15 and PK15 cells. <i>Veterinary Research</i> , 2018 , 49, 67	3.8	11
176	Dissecting clinical outcome of porcine circovirus type 2 with in vivo derived transcriptomic signatures of host tissue responses. <i>BMC Genomics</i> , 2018 , 19, 831	4.5	2

175	Establishment of porcine enterocyte/myofibroblast co-cultures for the growth of porcine rota- and coronaviruses. <i>Scientific Reports</i> , 2018 , 8, 15195	4.9	4
174	Abortigenic but Not Neurotropic Equine Herpes Virus 1 Modulates the Interferon Antiviral Defense. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018 , 8, 312	5.9	11
173	Breed Differences in PCV2 Uptake and Disintegration in Porcine Monocytes. <i>Viruses</i> , 2018 , 10,	6.2	5
172	Extracellular eosinophilic traps in association with <i>Staphylococcus aureus</i> at the site of epithelial barrier defects in patients with severe airway inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2017 , 139, 1849-1860.e6	11.5	73
171	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). <i>Veterinary Research</i> , 2017 , 48, 14	3.8	10
170	Hampered cumulus expansion of porcine cumulus-oocyte complexes by excessive presence of alpha -macroglobulin is likely mediated via inhibition of zinc-dependent metalloproteases. <i>Animal Science Journal</i> , 2017 , 88, 1279-1290	1.8	4
169	Differences in Env and Gag protein expression patterns and epitope availability in feline immunodeficiency virus infected PBMC compared to infected and transfected feline model cell lines. <i>Virus Research</i> , 2017 , 227, 249-260	6.4	
168	Monoclonal antibody binding to the macrophage-specific receptor sialoadhesin alters the phagocytic properties of human and mouse macrophages. <i>Cellular Immunology</i> , 2017 , 312, 51-60	4.4	3
167	Genetic and pathogenic characterization of a Russian subtype 2 PRRSV-1 isolate. <i>Veterinary Microbiology</i> , 2017 , 211, 22-28	3.3	7
166	Primary replication and invasion of the bovine gammaherpesvirus BoHV-4 in the genital mucosae. <i>Veterinary Research</i> , 2017 , 48, 83	3.8	5
165	Long-term culture and differentiation of porcine red bone marrow hematopoietic cells co-cultured with immortalized mesenchymal cells. <i>Veterinary Immunology and Immunopathology</i> , 2017 , 191, 44-50	2	0
164	The complex co-translational processing of glycoprotein GP5 of type 1 porcine reproductive and respiratory syndrome virus. <i>Virus Research</i> , 2017 , 240, 112-120	6.4	4
163	Replication of neurovirulent equine herpesvirus type 1 (EHV-1) in CD172a monocytic cells. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2017 , 50, 58-62	2.6	7
162	Identification of an enterovirus recombinant with a torovirus-like gene insertion during a diarrhea outbreak in fattening pigs. <i>Virus Evolution</i> , 2017 , 3, vex024	3.7	20
161	Access to a main alphaherpesvirus receptor, located basolaterally in the respiratory epithelium, is masked by intercellular junctions. <i>Scientific Reports</i> , 2017 , 7, 16656	4.9	18
160	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). <i>Journal of General Virology</i> , 2017 , 98, 2030-2042	4.9	21
159	Immortalized porcine mesenchymal cells derived from nasal mucosa, lungs, lymph nodes, spleen and bone marrow retain their stemness properties and trigger the expression of siglec-1 in co-cultured blood monocytic cells. <i>PLoS ONE</i> , 2017 , 12, e0186343	3.7	3
158	Presence of DNA extracellular traps but not MUC5AC and MUC5B mucin in mucoïd plugs/casts of infectious laryngotracheitis virus (ILTV) infected tracheas of chickens. <i>Virus Research</i> , 2017 , 227, 135-142	6.4	4

157	Us3 and Us9 proteins contribute to the stromal invasion of bovine herpesvirus 1 in the respiratory mucosa. <i>Journal of General Virology</i> , 2017 , 98, 1089-1096	4.9	3
156	Productive replication of nephropathogenic infectious bronchitis virus in peripheral blood monocyctic cells, a strategy for viral dissemination and kidney infection in chickens. <i>Veterinary Research</i> , 2016 , 47, 70	3.8	23
155	Combining laboratory and mathematical models to infer mechanisms underlying kinetic changes in macrophage susceptibility to an RNA virus. <i>BMC Systems Biology</i> , 2016 , 10, 101	3.5	5
154	Replication characteristics of equine herpesvirus 1 and equine herpesvirus 3: comparative analysis using ex vivo tissue cultures. <i>Veterinary Research</i> , 2016 , 47, 19	3.8	7
153	Per os infectivity of white spot syndrome virus (WSSV) in white-legged shrimp (<i>Litopenaeus vannamei</i>) and role of peritrophic membrane. <i>Veterinary Research</i> , 2016 , 47, 39	3.8	9
152	Characterization of a genetically heterogeneous porcine rotavirus C, and other viruses present in the fecal virome of a non-diarrheic Belgian piglet. <i>Infection, Genetics and Evolution</i> , 2016 , 43, 135-45	4.5	15
151	Difference in replication of low-passage MCMV HaNa1 in BALB/c, C57BL/6 and NOD mice and role of different branches of immunity in susceptibility. <i>Virus Research</i> , 2016 , 221, 38-46	6.4	2
150	Immunity raised by recent European subtype 1 PRRSV strains allows better replication of East European subtype 3 PRRSV strain Lena than that raised by an older strain. <i>Veterinary Research</i> , 2016 , 47, 15	3.8	6
149	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. <i>Porcine Health Management</i> , 2016 , 2, 12	3.5	9
148	MCMV exploits the spleen as a transfer hub for systemic dissemination upon oronasal inoculation. <i>Virus Research</i> , 2016 , 217, 47-54	6.4	6
147	Pseudorabies virus glycoprotein gE triggers ERK1/2 phosphorylation and degradation of the pro-apoptotic protein Bim in epithelial cells. <i>Virus Research</i> , 2016 , 213, 214-218	6.4	17
146	Effect of equine herpesvirus type 1 (EHV-1) infection of nasal mucosa epithelial cells on integrin alpha 6 and on different components of the basement membrane. <i>Archives of Virology</i> , 2016 , 161, 103-10 ^{2.6}		4
145	Replication characteristics of eight virulent and two attenuated genotype 1 and 2 porcine reproductive and respiratory syndrome virus (PRRSV) strains in nasal mucosa explants. <i>Veterinary Microbiology</i> , 2016 , 182, 156-62	3.3	18
144	Presence and characterization of pig group A and C rotaviruses in feces of Belgian diarrheic suckling piglets. <i>Virus Research</i> , 2016 , 213, 172-183	6.4	24
143	Pattern of circulation of MCMV mimicking natural infection upon oronasal inoculation. <i>Virus Research</i> , 2016 , 215, 114-20	6.4	3
142	Characterization of immune responses following homologous reinfection of pigs with European subtype 1 and 3 porcine reproductive and respiratory syndrome virus strains that differ in virulence. <i>Veterinary Microbiology</i> , 2016 , 182, 64-74	3.3	6
141	Porcine semen as a vector for transmission of viral pathogens. <i>Theriogenology</i> , 2016 , 85, 27-38	2.8	21
140	Infections of neonatal and adult mice with murine CMV HaNa1 strain upon oronasal inoculation: New insights in the pathogenesis of natural primary CMV infections. <i>Virus Research</i> , 2016 , 211, 96-102	6.4	4

139	Entry of equid herpesvirus 1 into CD172a+ monocytic cells. <i>Journal of General Virology</i> , 2016 , 97, 733-746	4.9	4
138	Upregulation of endothelial cell adhesion molecules characterizes veins close to granulomatous infiltrates in the renal cortex of cats with feline infectious peritonitis and is indirectly triggered by feline infectious peritonitis virus-infected monocytes in vitro. <i>Journal of General Virology</i> , 2016 , 97, 2633-2642	4.9	5
137	Th2 biased upper airway inflammation is associated with an impaired response to viral infection with Herpes simplex virus 1. <i>Rhinology</i> , 2016 , 54, 141-9	7	4
136	Development and Characterization of New Species Cross-Reactive Anti-Sialoadhesin Monoclonal Antibodies. <i>Antibodies</i> , 2016 , 5,	7	5
135	Experimental feline enteric coronavirus infection reveals an aberrant infection pattern and shedding of mutants with impaired infectivity in enterocyte cultures. <i>Scientific Reports</i> , 2016 , 6, 20022	4.9	25
134	Genome Sequences of Two Pseudorabies Virus Strains Isolated in Greece. <i>Genome Announcements</i> , 2016 , 4,		7
133	Dual infections of equine herpesvirus 1 and equine arteritis virus in equine respiratory mucosa explants. <i>Virus Research</i> , 2016 , 220, 104-11	6.4	3
132	Early events of canine herpesvirus 1 infections in canine respiratory and genital mucosae by the use of ex vivo models. <i>Research in Veterinary Science</i> , 2016 , 105, 205-8	2.5	2
131	The US3 Protein of Pseudorabies Virus Drives Viral Passage across the Basement Membrane in Porcine Respiratory Mucosa Explants. <i>Journal of Virology</i> , 2016 , 90, 10945-10950	6.6	12
130	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. <i>Veterinary Research</i> , 2015 , 46, 37	3.8	33
129	Equine herpesvirus type 1 replication is delayed in CD172a+ monocytic cells and controlled by histone deacetylases. <i>Journal of General Virology</i> , 2015 , 96, 118-130	4.9	21
128	Equine Herpesvirus Type 1 Enhances Viral Replication in CD172a+ Monocytic Cells upon Adhesion to Endothelial Cells. <i>Journal of Virology</i> , 2015 , 89, 10912-23	6.6	24
127	Ex vivo modeling of feline herpesvirus replication in ocular and respiratory mucosae, the primary targets of infection. <i>Virus Research</i> , 2015 , 210, 227-31	6.4	6
126	Phylogenetic analysis of feline immunodeficiency virus strains from naturally infected cats in Belgium and The Netherlands. <i>Virus Research</i> , 2015 , 196, 30-6	6.4	2
125	Complete genome characterization of recent and ancient Belgian pig group A rotaviruses and assessment of their evolutionary relationship with human rotaviruses. <i>Journal of Virology</i> , 2015 , 89, 10433-57	6.6	39
124	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. <i>Veterinary Research</i> , 2015 , 46, 94	3.8	13
123	Genetic Characterization of the Belgian Nephropathogenic Infectious Bronchitis Virus (NIBV) Reference Strain B1648. <i>Viruses</i> , 2015 , 7, 4488-506	6.2	27
122	Vpx-Independent Lentiviral Transduction and shRNA-Mediated Protein Knock-Down in Monocyte-Derived Dendritic Cells. <i>PLoS ONE</i> , 2015 , 10, e0133651	3.7	0

121	Virus replication cycle of white spot syndrome virus in secondary cell cultures from the lymphoid organ of <i>Litopenaeus vannamei</i> . <i>Journal of General Virology</i> , 2015 , 96, 2844-2854	4.9	19
120	Complete genome sequence of a porcine epidemic diarrhea virus from a novel outbreak in Belgium, January 2015. <i>Genome Announcements</i> , 2015 , 3,		60
119	A sequence of basic residues in the porcine circovirus type 2 capsid protein is crucial for its co-expression and co-localization with the replication protein. <i>Journal of General Virology</i> , 2015 , 96, 3566-3576	4.9	5
118	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. <i>Veterinary Research</i> , 2014 , 45, 17	3.8	12
117	Replication characteristics of infectious laryngotracheitis virus in the respiratory and conjunctival mucosa. <i>Avian Pathology</i> , 2014 , 43, 450-7	2.4	16
116	Detection of total and PRRSV-specific antibodies in oral fluids collected with different rope types from PRRSV-vaccinated and experimentally infected pigs. <i>BMC Veterinary Research</i> , 2014 , 10, 134	2.7	18
115	Unusual outcome of in utero infection and subsequent postnatal super-infection with different PCV2b strains. <i>Virologica Sinica</i> , 2014 , 29, 176-82	6.4	6
114	Anti-porcine circovirus type 2 (PCV2) antibody placental barrier leakage from sow to fetus: impact on the diagnosis of intra-uterine PCV2 infection. <i>Virologica Sinica</i> , 2014 , 29, 136-8	6.4	4
113	Porcine group A rotaviruses with heterogeneous VP7 and VP4 genotype combinations can be found together with enteric bacteria on Belgian swine farms. <i>Veterinary Microbiology</i> , 2014 , 172, 23-34	3.3	22
112	RNA-sequence analysis of primary alveolar macrophages after in vitro infection with porcine reproductive and respiratory syndrome virus strains of differing virulence. <i>PLoS ONE</i> , 2014 , 9, e91918	3.7	33
111	A beneficiary role for neuraminidase in influenza virus penetration through the respiratory mucus. <i>PLoS ONE</i> , 2014 , 9, e110026	3.7	63
110	Mimicking herpes simplex virus 1 and herpes simplex virus 2 mucosal behavior in a well-characterized human genital organ culture. <i>Journal of Infectious Diseases</i> , 2014 , 210, 209-13	7	5
109	ORF7-encoded accessory protein 7a of feline infectious peritonitis virus as a counteragent against IFN- γ -induced antiviral response. <i>Journal of General Virology</i> , 2014 , 95, 393-402	4.9	39
108	Impact of equine herpesvirus type 1 (EHV-1) infection on the migration of monocytic cells through equine nasal mucosa. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2014 , 37, 321-9	2.6	10
107	Role of sialic acids in feline enteric coronavirus infections. <i>Journal of General Virology</i> , 2014 , 95, 1911-1918	4.9	18
106	Isolation and characterization of equine nasal mucosal CD172a ⁺ cells. <i>Veterinary Immunology and Immunopathology</i> , 2014 , 157, 155-63	2	9
105	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. <i>Vaccine</i> , 2014 , 32, 2995-3003	4.1	35
104	Boosting in planta production of antigens derived from the porcine reproductive and respiratory syndrome virus (PRRSV) and subsequent evaluation of their immunogenicity. <i>PLoS ONE</i> , 2014 , 9, e91386	3.7	12

103	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. <i>Veterinary Research</i> , 2013 , 44, 22	3.8	15
102	Antibody response and maternal immunity upon boosting PRRSV-immune sows with experimental farm-specific and commercial PRRSV vaccines. <i>Veterinary Microbiology</i> , 2013 , 167, 260-71	3.3	25
101	Pathogenesis and prevention of placental and transplacental porcine reproductive and respiratory syndrome virus infection. <i>Veterinary Research</i> , 2013 , 44, 95	3.8	62
100	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). <i>Veterinary Research</i> , 2013 , 44, 73	3.8	39
99	Generation and characterization of feline arterial and venous endothelial cell lines for the study of the vascular endothelium. <i>BMC Veterinary Research</i> , 2013 , 9, 170	2.7	10
98	Establishment of feline intestinal epithelial cell cultures for the propagation and study of feline enteric coronaviruses. <i>Veterinary Research</i> , 2013 , 44, 71	3.8	22
97	The role of accessory proteins in the replication of feline infectious peritonitis virus in peripheral blood monocytes. <i>Veterinary Microbiology</i> , 2013 , 162, 447-455	3.3	19
96	Evaluation of viral peptide targeting to porcine sialoadhesin using a porcine reproductive and respiratory syndrome virus vaccination-challenge model. <i>Virus Research</i> , 2013 , 177, 147-55	6.4	8
95	Suppression of NK cell-mediated cytotoxicity against PRRSV-infected porcine alveolar macrophages in vitro. <i>Veterinary Microbiology</i> , 2013 , 164, 261-9	3.3	20
94	Porcine, murine and human sialoadhesin (Sn/Siglec-1/CD169): portals for porcine reproductive and respiratory syndrome virus entry into target cells. <i>Journal of General Virology</i> , 2013 , 94, 1955-1960	4.9	12
93	Use of Staby(□) technology for development and production of DNA vaccines free of antibiotic resistance gene. <i>Human Vaccines and Immunotherapeutics</i> , 2013 , 9, 2203-10	4.4	2
92	Antigenic subtyping and epitopesRcompetition analysis of porcine circovirus type 2 using monoclonal antibodies. <i>Veterinary Microbiology</i> , 2012 , 157, 13-22	3.3	44
91	Clinical and virological outcome of an infection with the Belgian equine arteritis virus strain 08P178. <i>Veterinary Microbiology</i> , 2012 , 157, 333-44	3.3	21
90	Instability in vitro of a PCV2 infectious clone containing an insertion between ORF1 and ORF2. <i>Virus Genes</i> , 2012 , 44, 258-61	2.3	5
89	Natural killer cells: frequency, phenotype and function in healthy cats. <i>Veterinary Immunology and Immunopathology</i> , 2012 , 150, 69-78	2	8
88	Inactivated virus vaccines from chemistry to prophylaxis: merits, risks and challenges. <i>Expert Review of Vaccines</i> , 2012 , 11, 695-719	5.2	99
87	Diverse microbial interactions with the basement membrane barrier. <i>Trends in Microbiology</i> , 2012 , 20, 147-55	12.4	24
86	In vitro assessment of the feline cell-mediated immune response against feline panleukopeniavirus, calicivirus and felid herpesvirus 1 using 5-bromo-2Rdeoxyuridine labeling. <i>Veterinary Immunology and Immunopathology</i> , 2012 , 146, 177-84	2	8

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2	The use of germicidal ultraviolet light, vaporised hydrogen peroxide and dry heat to decontaminate face masks and filtering respirators contaminated with a SARS-CoV-2 surrogate virus		5
1	Addressing Personal Protective Equipment (PPE) Decontamination: Methylene Blue and Light Inactivates SARS-CoV-2 on N95 Respirators and Masks with Maintenance of Integrity and Fit		2