

# Piet A Van Rijn

## List of Publications by Year in descending order

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100  
papers

4,110  
citations

117625

34  
h-index

128289

60  
g-index

103  
all docs

103  
docs citations

103  
times ranked

2199  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of RT-PCR technologies used in veterinary virology and disease control: Sensitive and specific diagnosis of five livestock diseases notifiable to the World Organisation for Animal Health. <i>Veterinary Microbiology</i> , 2009, 139, 1-23.	1.9	183
2	Sequence analysis of bluetongue virus serotype 8 from the Netherlands 2006 and comparison to other European strains. <i>Virology</i> , 2008, 377, 308-318.	2.4	172
3	Infectious RNA transcribed from an engineered full-length cDNA template of the genome of a pestivirus. <i>Journal of Virology</i> , 1996, 70, 763-770.	3.4	171
4	Internal entry of ribosomes is directed by the 5' noncoding region of classical swine fever virus and is dependent on the presence of an RNA pseudoknot upstream of the initiation codon. <i>Journal of Virology</i> , 1997, 71, 451-457.	3.4	147
5	Classical swine fever virus (CSFV) envelope glycoprotein E2 containing one structural antigenic unit protects pigs from lethal CSFV challenge. <i>Journal of General Virology</i> , 1996, 77, 2737-2745.	2.9	128
6	Antigenic structure of envelope glycoprotein E1 of hog cholera virus. <i>Journal of Virology</i> , 1994, 68, 3934-3942.	3.4	126
7	Full Genome Characterisation of Bluetongue Virus Serotype 6 from the Netherlands 2008 and Comparison to Other Field and Vaccine Strains. <i>PLoS ONE</i> , 2010, 5, e10323.	2.5	119
8	<i>Culicoides chiopterus</i> as a potential vector of bluetongue virus in Europe. <i>Veterinary Record</i> , 2008, 162, 422-422.	0.3	112
9	Subdivision of the Pestivirus Genus Based on Envelope Glycoprotein E2. <i>Virology</i> , 1997, 237, 337-348.	2.4	110
10	Vaccination of cattle against bovine viral diarrhoea. <i>Veterinary Microbiology</i> , 1999, 64, 169-183.	1.9	110
11	The major envelope protein, GP5, of a European porcine reproductive and respiratory syndrome virus contains a neutralization epitope in its N-terminal ectodomain. <i>Journal of General Virology</i> , 2003, 84, 1535-1543.	2.9	106
12	Chimeric classical swine fever viruses containing envelope protein ERNS or E2 of bovine viral diarrhoea virus protect pigs against challenge with CSFV and induce a distinguishable antibody response. <i>Vaccine</i> , 2000, 19, 447-459.	3.8	98
13	Glycoprotein Erns of pestiviruses induces apoptosis in lymphocytes of several species. <i>Journal of Virology</i> , 1997, 71, 6692-6696.	3.4	95
14	Transplacental and oral transmission of wild-type bluetongue virus serotype 8 in cattle after experimental infection. <i>Veterinary Microbiology</i> , 2009, 138, 235-243.	1.9	93
15	Epitope mapping of envelope glycoprotein E1 of hog cholera virus strain Brescia. <i>Journal of General Virology</i> , 1993, 74, 2053-2060.	2.9	89
16	Experimental non-transmissible marker vaccines for classical swine fever (CSF) by trans-complementation of Erns or E2 of CSFV. <i>Vaccine</i> , 2002, 20, 1544-1556.	3.8	81
17	Virus and Host Factors Affecting the Clinical Outcome of Bluetongue Virus Infection. <i>Journal of Virology</i> , 2014, 88, 10399-10411.	3.4	79
18	Classical Swine Fever Virus Erns Deletion Mutants: trans-Complementation and Potential Use as Nontransmissible, Modified, Live-Attenuated Marker Vaccines. <i>Journal of Virology</i> , 2000, 74, 2973-2980.	3.4	78

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19	Clinical signs of bluetongue virus serotype 8 infection in sheep and goats. <i>Veterinary Record</i> , 2007, 161, 591-592.	0.3	67
20	Significance of the oligosaccharides of the porcine reproductive and respiratory syndrome virus glycoproteins GP2a and GP5 for infectious virus production. <i>Journal of General Virology</i> , 2004, 85, 3715-3723.	2.9	62
21	Detection of economically important viruses in boar semen by quantitative RealTime PCR, technology. <i>Journal of Virological Methods</i> , 2004, 120, 151-160.	2.1	57
22	Epidemiologic characteristics of bluetongue virus serotype 8 laboratory-confirmed outbreaks in The Netherlands in 2007 and a comparison with the situation in 2006. <i>Preventive Veterinary Medicine</i> , 2009, 92, 1-8.	1.9	57
23	One after the other: A novel Bluetongue virus strain related to Toggenburg virus detected in the Piedmont region (North-western Italy), extends the panel of novel atypical BTV strains. <i>Transboundary and Emerging Diseases</i> , 2018, 65, 370-374.	3.0	57
24	Monoclonal antibodies to the E2 protein of a new genotype (type 2) of bovine viral diarrhea virus define three antigenic domains involved in neutralization. <i>Virus Research</i> , 1998, 57, 171-182.	2.2	54
25	Performance of clinical signs to detect bluetongue virus serotype 8 outbreaks in cattle and sheep during the 2006-epidemic in The Netherlands. <i>Veterinary Microbiology</i> , 2008, 129, 156-162.	1.9	52
26	An experimental marker vaccine and accompanying serological diagnostic test both based on envelope glycoprotein E2 of classical swine fever virus (CSFV). <i>Vaccine</i> , 1999, 17, 433-440.	3.8	51
27	Rapid Generation of Replication-Deficient Monovalent and Multivalent Vaccines for Bluetongue Virus: Protection against Virulent Virus Challenge in Cattle and Sheep. <i>Journal of Virology</i> , 2013, 87, 9856-9864.	3.4	50
28	Distribution of bovine virus diarrhoea virus in tissues and white blood cells of cattle during acute infection. <i>Veterinary Microbiology</i> , 1998, 64, 23-32.	1.9	47
29	Potential role of ticks as vectors of bluetongue virus. <i>Experimental and Applied Acarology</i> , 2010, 52, 183-192.	1.6	43
30	A subunit vaccine based on glycoprotein E2 of bovine virus diarrhea virus induces fetal protection in sheep against homologous challenge. <i>Vaccine</i> , 1997, 15, 1940-1945.	3.8	41
31	A common neutralizing epitope on envelope glycoprotein E2 of different pestiviruses: Implications for improvement of vaccines and diagnostics for classical swine fever (CSF)? <i>Veterinary Microbiology</i> , 2007, 125, 150-156.	1.9	39
32	Rescue of Recent Virulent and Avirulent Field Strains of Bluetongue Virus by Reverse Genetics. <i>PLoS ONE</i> , 2012, 7, e30540.	2.5	39
33	Bluetongue virus without NS3/NS3a expression is not virulent and protects against virulent bluetongue virus challenge. <i>Journal of General Virology</i> , 2014, 95, 2019-2029.	2.9	38
34	Bluetongue virus serotype 8 (BTV-8) infection reduces fertility of Dutch dairy cattle and is vertically transmitted to offspring. <i>Theriogenology</i> , 2010, 74, 1377-1384.	2.1	36
35	Integration host factor of <i>Escherichia coli</i> regulates early- and repressor transcription of bacteriophage Mu by two different mechanisms. <i>Nucleic Acids Research</i> , 1988, 16, 4595-4605.	14.5	35
36	Questionnaire survey about the motives of commercial livestock farmers and hobby holders to vaccinate their animals against Bluetongue virus serotype 8 in 2008-2009 in the Netherlands. <i>Vaccine</i> , 2010, 28, 2473-2481.	3.8	35

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37	A preliminary map of epitopes on envelope glycoprotein E1 of HCV strain Brescia. <i>Veterinary Microbiology</i> , 1992, 33, 221-230.	1.9	34
38	Recovery of infectious classical swine fever virus (CSFV) from full-length genomic cDNA clones by a swine kidney cell line expressing bacteriophage T7 RNA polymerase. <i>Journal of Virological Methods</i> , 1999, 78, 117-128.	2.1	34
39	Current and next-generation bluetongue vaccines: Requirements, strategies, and prospects for different field situations. <i>Critical Reviews in Microbiology</i> , 2017, 43, 142-155.	6.1	34
40	Bluetongue Virus Nonstructural Protein NS3/NS3a Is Not Essential for Virus Replication. <i>PLoS ONE</i> , 2014, 9, e85788.	2.5	34
41	Bluetongue virus serotype 6 in Europe in 2008 – Emergence and disappearance of an unexpected non-virulent BTV. <i>Veterinary Microbiology</i> , 2012, 158, 23-32.	1.9	33
42	Application of Bluetongue Disabled Infectious Single Animal (DISA) vaccine for different serotypes by VP2 exchange or incorporation of chimeric VP2. <i>Vaccine</i> , 2015, 33, 812-818.	3.8	33
43	Vertical transmission of bluetongue virus serotype 8 virus in Dutch dairy herds in 2007. <i>Veterinary Microbiology</i> , 2010, 141, 31-35.	1.9	31
44	Bluetongue Viruses Based on Modified-Live Vaccine Serotype 6 with Exchanged Outer Shell Proteins Confer Full Protection in Sheep against Virulent BTV8. <i>PLoS ONE</i> , 2012, 7, e44619.	2.5	31
45	Oral transmission of porcine reproductive and respiratory syndrome virus by muscle of experimentally infected pigs. <i>Veterinary Microbiology</i> , 2003, 97, 45-54.	1.9	29
46	Recombinant classical swine fever (CSF) viruses derived from the Chinese vaccine strain (C-strain) of CSF virus retain their avirulent and immunogenic characteristics. <i>Vaccine</i> , 2000, 18, 2351-2358.	3.8	28
47	Validation of a commercial ELISA for the detection of bluetongue virus (BTV)-specific antibodies in individual milk samples of Dutch dairy cows. <i>Veterinary Microbiology</i> , 2008, 130, 80-87.	1.9	28
48	VP2 Exchange and NS3/NS3a Deletion in African Horse Sickness Virus (AHSV) in Development of Disabled Infectious Single Animal Vaccine Candidates for AHSV. <i>Journal of Virology</i> , 2015, 89, 8764-8772.	3.4	28
49	Experimental infection of white-tailed deer ( <i>Odocoileus virginianus</i> ) with Northern European bluetongue virus serotype 8. <i>Veterinary Microbiology</i> , 2013, 166, 347-355.	1.9	27
50	Bluetongue, Schmallenberg - what is next? Culicoides-borne viral diseases in the 21st Century. <i>BMC Veterinary Research</i> , 2014, 10, 77.	1.9	27
51	Prospects of Next-Generation Vaccines for Bluetongue. <i>Frontiers in Veterinary Science</i> , 2019, 6, 407.	2.2	27
52	Virus-induced autophagic degradation of STAT 2 as a mechanism for interferon signaling blockade. <i>EMBO Reports</i> , 2019, 20, e48766.	4.5	27
53	Analysis of the IHF binding site in the regulatory region of bacteriophage Mu. <i>Nucleic Acids Research</i> , 1991, 19, 2825-2834.	14.5	26
54	An experimental multivalent bovine virus diarrhea virus E2 subunit vaccine and two experimental conventionally inactivated vaccines induce partial fetal protection in sheep. <i>Vaccine</i> , 1999, 17, 1983-1991.	3.8	26

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55	Sustained high-throughput polymerase chain reaction diagnostics during the European epidemic of <i>Bluetongue virus</i> serotype 8. <i>Journal of Veterinary Diagnostic Investigation</i> , 2012, 24, 469-478.	1.1	26
56	VP2-serotyped live-attenuated bluetongue virus without NS3/NS3a expression provides serotype-specific protection and enables DIVA. <i>Vaccine</i> , 2014, 32, 7108-7114.	3.8	26
57	Immunogenicity of recombinant VP2 proteins of all nine serotypes of African horse sickness virus. <i>Vaccine</i> , 2014, 32, 4932-4937.	3.8	25
58	A Review of Knowledge Gaps and Tools for Orbivirus Research. <i>Vector-Borne and Zoonotic Diseases</i> , 2015, 15, 339-347.	1.5	25
59	A cross-sectional study to determine the seroprevalence of bluetongue virus serotype 8 in sheep and goats in 2006 and 2007 in the Netherlands. <i>BMC Veterinary Research</i> , 2008, 4, 33.	1.9	23
60	Bluetongue virus with mutated genome segment 10 to differentiate infected from vaccinated animals: A genetic DIVA approach. <i>Vaccine</i> , 2013, 31, 5005-5008.	3.8	23
61	Non-structural protein NS3/NS3a is required for propagation of bluetongue virus in <i>Culicoides sonorensis</i> . <i>Parasites and Vectors</i> , 2015, 8, 476.	2.5	23
62	Viral replication kinetics and in vitro cytopathogenicity of parental and reassortant strains of bluetongue virus serotype 1, 6 and 8. <i>Veterinary Microbiology</i> , 2014, 171, 53-65.	1.9	22
63	Requirements and comparative analysis of reverse genetics for bluetongue virus (BTV) and African horse sickness virus (AHSV). <i>Virology Journal</i> , 2016, 13, 119.	3.4	21
64	High-level expression of biologically active recombinant bovine follicle stimulating hormone in a baculovirus system. <i>Journal of Molecular Endocrinology</i> , 1998, 20, 83-98.	2.5	20
65	RNA Elements in Open Reading Frames of the Bluetongue Virus Genome Are Essential for Virus Replication. <i>PLoS ONE</i> , 2014, 9, e92377.	2.5	20
66	Replication-Deficient Particles: New Insights into the Next Generation of Bluetongue Virus Vaccines. <i>Journal of Virology</i> , 2017, 91, .	3.4	20
67	Evaluation of an indirect ELISA for detection of antibodies in bulk milk against bluetongue virus infections in the Netherlands. <i>Veterinary Microbiology</i> , 2010, 146, 209-214.	1.9	19
68	Regulation of phage Mu repressor transcription by IHF depends on the level of the early transcription. <i>Nucleic Acids Research</i> , 1989, 17, 10203-10212.	14.5	18
69	The immune response of cattle, persistently infected with noncytopathic BVDV, after superinfection with antigenically semi-homologous cytopathic BVDV. <i>Veterinary Immunology and Immunopathology</i> , 1998, 62, 37-50.	1.2	18
70	African horse sickness virus (AHSV) with a deletion of 77 amino acids in NS3/NS3a protein is not virulent and a safe promising AHS Disabled Infectious Single Animal (DISA) vaccine platform. <i>Vaccine</i> , 2018, 36, 1925-1933.	3.8	18
71	Antigenically different pestivirus strains induce congenital infection in sheep: a model for bovine virus diarrhea virus vaccine efficacy studies. <i>Veterinary Microbiology</i> , 1996, 50, 33-43.	1.9	17
72	Development of a competitive ELISA for NS3 antibodies as DIVA test accompanying the novel Disabled Infectious Single Animal (DISA) vaccine for Bluetongue. <i>Vaccine</i> , 2015, 33, 5539-5545.	3.8	17

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73	Comparative pharmacokinetics of midazolam and loperazolam in healthy subjects after oral administration. <i>Biopharmaceutics and Drug Disposition</i> , 1986, 7, 53-61.	1.9	16
74	Identification of porcine alveolar macrophage glycoproteins involved in infection of porcine respiratory and reproductive syndrome virus. <i>Archives of Virology</i> , 2003, 148, 177-187.	2.1	16
75	Vector competence is strongly affected by a small deletion or point mutations in bluetongue virus. <i>Parasites and Vectors</i> , 2019, 12, 470.	2.5	16
76	Novel Function of Bluetongue Virus NS3 Protein in Regulation of the MAPK/ERK Signaling Pathway. <i>Journal of Virology</i> , 2019, 93, .	3.4	16
77	Turnover Rate of NS3 Proteins Modulates Bluetongue Virus Replication Kinetics in a Host-Specific Manner. <i>Journal of Virology</i> , 2015, 89, 10467-10481.	3.4	15
78	“Frozen evolution” of an RNA virus suggests accidental release as a potential cause of arbovirus re-emergence. <i>PLoS Biology</i> , 2020, 18, e3000673.	5.6	15
79	Safety and protective efficacy of porcine reproductive and respiratory syndrome recombinant virus vaccines in young pigs. <i>Vaccine</i> , 2003, 21, 2556-2563.	3.8	14
80	Genetic modification of Bluetongue virus by uptake of "synthetic" genome segments. <i>Virology Journal</i> , 2010, 7, 261.	3.4	12
81	Bluetongue Disabled Infectious Single Animal (DISA) vaccine: Studies on the optimal route and dose in sheep. <i>Vaccine</i> , 2017, 35, 231-237.	3.8	11
82	Experimental infection of small ruminants with bluetongue virus expressing Toggenburg Orbivirus proteins. <i>Veterinary Microbiology</i> , 2016, 192, 145-151.	1.9	10
83	Preliminary mapping of non-conserved epitopes on envelope glycoprotein E2 of Bovine viral diarrhea virus type 1 and 2. <i>Veterinary Microbiology</i> , 2013, 166, 195-199.	1.9	9
84	Safety and efficacy of inactivated African horse sickness (AHS) vaccine formulated with different adjuvants. <i>Vaccine</i> , 2020, 38, 7108-7117.	3.8	9
85	Diagnostic DIVA tests accompanying the Disabled Infectious Single Animal (DISA) vaccine platform for African horse sickness. <i>Vaccine</i> , 2018, 36, 3584-3592.	3.8	8
86	Structural Protein VP2 of African Horse Sickness Virus Is Not Essential for Virus Replication In Vitro. <i>Journal of Virology</i> , 2017, 91, .	3.4	7
87	PCR diagnostics: In silico validation by an automated tool using freely available software programs. <i>Journal of Virological Methods</i> , 2019, 270, 106-112.	2.1	7
88	Detection of the European “field” strain of bluetongue virus serotype 6 by real-time RT-PCR. <i>Veterinary Microbiology</i> , 2010, 141, 186-188.	1.9	6
89	Assay of midazolam and brotizolam in plasma by a gas chromatographic and a radioreceptor technique. <i>Pharmaceutisch Weekblad</i> , 1983, 5, 308-312.	0.7	5
90	Balance of RNA sequence requirement and NS3/NS3a expression of segment 10 of orbiviruses. <i>Journal of General Virology</i> , 2016, 97, 411-421.	2.9	5

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91	Influence of a Dorsomedial Hypothalamus Lesion on the Circadian Changes in the Enzyme Development and Activity of Intestinal Brushborder Membranes in the Rat. <i>Chronobiology International</i> , 1985, 2, 103-108.	2.0	4
92	Recombinant Newcastle disease viruses with targets for PCR diagnostics for rinderpest and peste des petits ruminants. <i>Journal of Virological Methods</i> , 2018, 259, 50-53.	2.1	4
93	African Horse Sickness Virus (Reoviridae). , 2021, , 17-21.		4
94	The Bluetongue Disabled Infectious Single Animal (DISA) Vaccine Platform Based on Deletion NS3/NS3a Protein Is Safe and Protective in Cattle and Enables DIVA. <i>Viruses</i> , 2021, 13, 857.	3.3	4
95	Critical parameters of real time reverse transcription polymerase chain reaction (RT-PCR) diagnostics: Sensitivity and specificity for bluetongue virus. <i>Journal of Virological Methods</i> , 2021, 295, 114211.	2.1	4
96	Effect of <i>Culicoides sonorensis</i> salivary proteins on clinical disease outcome in experimental bluetongue virus serotype 8 infection of Dorset sheep. <i>Veterinaria Italiana</i> , 2015, 51, 379-84.	0.5	4
97	Pentavalent Disabled Infectious Single Animal (DISA)/DIVA Vaccine Provides Protection in Sheep and Cattle against Different Serotypes of Bluetongue Virus. <i>Vaccines</i> , 2021, 9, 1150.	4.4	4
98	Improved PCR diagnostics using up-to-date in silico validation: An F-gene RT-qPCR assay for the detection of all four lineages of peste des petits ruminants virus. <i>Journal of Virological Methods</i> , 2019, 274, 113735.	2.1	3
99	Prevalence and predictors of vector-borne pathogens in Dutch roe deer. <i>Parasites and Vectors</i> , 2022, 15, 76.	2.5	3
100	European Bluetongue Serotype 8: Disease Threat Assessment for U.S. Sheep. <i>Vector-Borne and Zoonotic Diseases</i> , 2016, 16, 400-407.	1.5	1