Polly Roy

List of Publications by Year
in descending order

199	9,152	34016	58464
papers	citations	52 h-index	82 g-index

203	203	203	5249
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Viral infection switches non-plasmacytoid dendritic cells into high interferon producers. Nature, 2003, 424, 324-328.	13.7	544
2	Virus-like particles as immunogens. Trends in Microbiology, 2003, 11, 438-444.	3.5	493
3	Sputnik V COVID-19 vaccine candidate appears safe and effective. Lancet, The, 2021, 397, 642-643.	6.3	252
4	Efficient assembly and release of SARS coronavirus-like particles by a heterologous expression system. FEBS Letters, 2004, 576, 174-178.	1.3	222
5	Crystal structure of SIV matrix antigen and implications for virus assembly. Nature, 1995, 378, 743-747.	13.7	202
6	Development of Reverse Genetics Systems for Bluetongue Virus: Recovery of Infectious Virus from Synthetic RNA Transcripts. Journal of Virology, 2008, 82, 8339-8348.	1.5	177
7	The crystal structure of bluetongue virus VP7. Nature, 1995, 373, 167-170.	13.7	168
8	Dissociation of Vesicular Stomatitis Virus and Relation of the Virion Proteins to the Viral Transcriptase. Journal of Virology, 1972, 10, 234-243.	1.5	151
9	Virusâ€'like particles as a vaccine delivery system: Myths and facts. Hum Vaccin, 2008, 4, 5-12.	2.4	141
10	Development of baculovirus triple and quadruple expression vectors: co-expression of three or four bluetongue virus proteins and the synthesis of bluetongue virus-like particles in insect cells. Nucleic Acids Research, 1993, 21, 1219-1223.	6.5	125
11	Nonstructural Protein 3 of Bluetongue Virus Assists Virus Release by Recruiting ESCRT-I Protein Tsg101. Journal of Virology, 2006, 80, 460-473.	1.5	115
12	An atomic model of the outer layer of the bluetongue virus core derived from X-ray crystallography and electron cryomicroscopy. Structure, 1997, 5, 885-893.	1.6	114
13	Expression and Functional Characterization of Bluetongue Virus VP2 Protein: Role in Cell Entry. Journal of Virology, 1999, 73, 9832-9842.	1.5	113
14	The membrane trafficking protein calpactin forms a complex with bluetongue virus protein NS3 and mediates virus release. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 13154-13159.	3.3	110
15	Three-dimensional reconstruction of baculovirus expressed bluetongue virus core-like particles by cryo-electron microscopy. Virology, 1992, 189, 10-20.	1.1	106
16	Release of Bluetongue Virus-like Particles from Insect Cells is Mediated by BTV Nonstructural Protein NS3/NS3A. Virology, 1993, 193, 592-603.	1.1	106
17	Structure of bluetongue virus particles by cryoelectron microscopy. Journal of Structural Biology, 1992, 109, 61-69.	1.3	104
18	Role of an Arbovirus Nonstructural Protein in Cellular Pathogenesis and Virus Release. Journal of Virology, 2004, 78, 6649-6656.	1.5	101

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19	Bluetongue virus coat protein VP2 contains sialic acid-binding domains, and VP5 resembles enveloped virus fusion proteins. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6292-6297.	3.3	97
20	Kinetics of RNA synthesis by vesicular stomatitis virus particles. Journal of Molecular Biology, 1971, 57, 513-527.	2.0	92
21	Interactions between the Inner and Outer Capsids of Bluetongue Virus. Journal of Virology, 2004, 78, 8059-8067.	1.5	91
22	Analyses of the genomes of bluetongue viruses recovered in the United States I. Oligonucleotide fingerprint studies that indicate the existence of naturally occurring reassortant BTV isolates. Virology, 1981, 114, 210-217.	1.1	88
23	Rift Valley fever virus structural proteins: expression, characterization and assembly of recombinant proteins. Virology Journal, 2008, 5, 82.	1.4	88
24	A Viral Nonstructural Protein Regulates Bluetongue Virus Trafficking and Release. Journal of Virology, 2009, 83, 6806-6816.	1.5	88
25	Bluetongue Virus Entry into Cells. Journal of Virology, 2007, 81, 4819-4827.	1.5	82
26	Bluetongue virus VP4 is an RNA-capping assembly line. Nature Structural and Molecular Biology, 2007, 14, 449-451.	3.6	82
27	Properties of the product synthesized by vesicular stomatitis virus particles. Journal of Molecular Biology, 1971, 58, 799-814.	2.0	81
28	Production and characterization of the neutralization antigen VP2 of bluetongue virus serotype 10 using a baculovirus expression vector. Virology, 1987, 157, 472-479.	1.1	79
29	Genome Homology of Vesicular Stomatitis Virus and Defective T Particles and Evidence for the Sequential Transcription of the Virion Ribonucleic Acid. Journal of Virology, 1972, 9, 946-955.	1.5	79
30	Bluetongue virus RNA binding protein NS2 is a modulator of viral replication and assembly. BMC Molecular Biology, 2007, 8, 4.	3.0	77
31	Generation of Replication-Defective Virus-Based Vaccines That Confer Full Protection in Sheep against Virulent Bluetongue Virus Challenge. Journal of Virology, 2011, 85, 10213-10221.	1.5	75
32	Interaction between Bluetongue virus outer capsid protein VP2 and vimentin is necessary for virus egress. Virology Journal, 2007, 4, 7.	1.4	74
33	Bluetongue Virus VP6 Acts Early in the Replication Cycle and Can Form the Basis of Chimeric Virus Formation. Journal of Virology, 2009, 83, 8842-8848.	1.5	73
34	The molecular biology of Bluetongue virus replication. Virus Research, 2014, 182, 5-20.	1.1	72
35	Why large icosahedral viruses need scaffolding proteins. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10971-10976.	3.3	72
36	Transcription of the Influenza Ribonucleic Acid Genome by a Virion Polymerase III. Completeness of the Transcription Process. Journal of Virology, 1972, 10, 689-697.	1.5	70

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37	Prospects for improved bluetongue vaccines. Nature Reviews Microbiology, 2009, 7, 120-128.	13.6	69
38	Characterisation of a GII-4 norovirus variant-specific surface-exposed site involved in antibody binding. Virology Journal, 2009, 6, 150.	1.4	69
39	RGD Tripeptide of Bluetongue Virus VP7 Protein Is Responsible for Core Attachment to Culicoides Cells. Journal of Virology, 2001, 75, 3937-3947.	1.5	68
40	Recovery of Infectious Bluetongue Virus from RNA. Journal of Virology, 2007, 81, 2179-2186.	1.5	68
41	African horse sickness virus structure. Comparative Immunology, Microbiology and Infectious Diseases, 1994, 17, 243-273.	0.7	67
42	Bluetongue virus structure and assembly. Current Opinion in Virology, 2017, 24, 115-123.	2.6	66
43	Orbivirus Structure and Assembly. Virology, 1996, 216, 1-11.	1.1	65
44	Bluetongue virus non-structural protein 1 is a positive regulator of viral protein synthesis. Virology Journal, 2012, 9, 178.	1.4	65
45	In situ structures of rotavirus polymerase in action and mechanism of mRNA transcription and release. Nature Communications, 2019, 10, 2216.	5.8	65
46	Bluetongue Virus Outer Capsid Proteins Are Sufficient To Trigger Apoptosis in Mammalian Cells. Journal of Virology, 2004, 78, 2875-2883.	1.5	63
47	Initiation and Direction of RNA Transcription by Vesicular Stomatitis Virus Virion Transcriptase. Journal of Virology, 1973, 11, 487-501.	1.5	60
48	Purified Recombinant Bluetongue Virus VP1 Exhibits RNA Replicase Activity. Journal of Virology, 2004, 78, 3994-4002.	1.5	59
49	ANALYSES OF THE GENOMES OF BLUETONGUE VIRUSES RECOVERED FROM DIFFERENT STATES OF THE UNITED STATES AND AT DIFFERENT TIMES. American Journal of Epidemiology, 1982, 115, 332-347.	1.6	58
50	Functional Mapping of Bluetongue Virus Proteins and Their Interactions with Host Proteins During Virus Replication. Cell Biochemistry and Biophysics, 2008, 50, 143-157.	0.9	58
51	In vitro reconstitution of Bluetongue virus infectious cores. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13746-13751.	3.3	58
52	A capsid protein of nonenveloped Bluetongue virus exhibits membrane fusion activity. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 2100-2105.	3.3	57
53	Nucleoside triphosphate phosphotransferase A new enzyme activity of oncogenic and non-oncogenic â€œBuddingâ€•viruses. Biochimica Et Biophysica Acta - Biomembranes, 1971, 235, 191-206.	1.4	55
54	Phosphorylation of Bluetongue Virus Nonstructural Protein 2 Is Essential for Formation of Viral Inclusion Bodies. Journal of Virology, 2005, 79, 10023-10031.	1.5	55

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55	Bluetongue Virus Proteins And Particles And Their Role In Virus Entry, Assembly, And Release. Advances in Virus Research, 2005, 64, 69-123.	0.9	53
56	Evolutionary relationships among the Gnat-transmitted orbiviruses that cause African horse sickness, bluetongue, and epizootic hemorrhagic disease as evidenced by their capsid protein sequences. Virology, 1992, 191, 251-261.	1.1	50
57	Rapid Generation of Replication-Deficient Monovalent and Multivalent Vaccines for Bluetongue Virus: Protection against Virulent Virus Challenge in Cattle and Sheep. Journal of Virology, 2013, 87, 9856-9864.	1.5	50
58	Atomic model of a nonenveloped virus reveals pH sensors for a coordinated process of cell entry. Nature Structural and Molecular Biology, 2016, 23, 74-80.	3.6	50
59	Bluetongue virus: dissection of the polymerase complex. Journal of General Virology, 2008, 89, 1789-1804.	1.3	50
60	Structure of Correctly Self-Assembled Bluetongue Virus-like Particles. Journal of Structural Biology, 1994, 112, 183-191.	1.3	49
61	Virus-Like Particles as a Vaccine Delivery System: Myths and Facts. Advances in Experimental Medicine and Biology, 2009, 655, 145-158.	0.8	49
62	Interaction of Calpactin Light Chain (S100A10/p11) and a Viral NS Protein Is Essential for Intracellular Trafficking of Nonenveloped Bluetongue Virus. Journal of Virology, 2011, 85, 4783-4791.	1.5	49
63	Membrane Organization of Bluetongue Virus Nonstructural Glycoprotein NS3. Journal of Virology, 1998, 72, 3362-3369.	1.5	49
64	Bluetongue Virus Outer Capsid Protein VP5 Interacts with Membrane Lipid Rafts via a SNARE Domain. Journal of Virology, 2008, 82, 10600-10612.	1.5	48
65	Sequential packaging of RNA genomic segments during the assembly of Bluetongue virus. Nucleic Acids Research, 2014, 42, 13824-13838.	6.5	46
66	Modeling rotavirus-like particles production in a baculovirus expression vector system: Infection kinetics, baculovirus DNA replication, mRNA synthesis and protein production. Journal of Biotechnology, 2007, 128, 875-894.	1.9	45
67	The Double-Stranded RNA Bluetongue Virus Induces Type I Interferon in Plasmacytoid Dendritic Cells via a MYD88-Dependent TLR7/8-Independent Signaling Pathway. Journal of Virology, 2012, 86, 5817-5828.	1.5	45
68	Minimum Requirements for Bluetongue Virus Primary Replication In Vivo. Journal of Virology, 2013, 87, 882-889.	1.5	45
69	High level expression of the two outer capsid proteins of bluetongue virus serotype 10: their relationship with the neutralization of virus infection. Virus Research, 1990, 15, 189-195.	1.1	44
70	Validation of a novel approach for the rapid production of immunogenic virus-like particles for bluetongue virus. Vaccine, 2010, 28, 3047-3054.	1.7	44
71	Identification and characterization of conserved and variable regions in the neutralization vp2 gene of bluetongue virus. Virology, 1987, 160, 100-109.	1.1	43
72	High-level expression of five foreign genes by a single recombinant baculovirus. Gene, 1995, 156, 229-233.	1.0	43

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73	Characterization of Protection Afforded by a Bivalent Virus-Like Particle Vaccine against Bluetongue Virus Serotypes 1 and 4 in Sheep. PLoS ONE, 2011, 6, e26666.	1.1	43
74	The complete sequence of bluetongue virus serotype 10 segment 3 and its predicted VP3 polypeptide compared with those of BTV serotype 17. Virus Research, 1985, 3, 181-190.	1.1	42
75	Sequence Specificity in the Interaction of Bluetongue Virus Non-structural Protein 2 (NS2) with Viral RNA. Journal of Biological Chemistry, 2003, 278, 31722-31730.	1.6	42
76	Protective efficacy of Bluetongue virus-like and subvirus-like particles in sheep: Presence of the serotype-specific VP2, independent of its geographic lineage, is essential for protection. Vaccine, 2012, 30, 2131-2139.	1.7	42
77	Rotavirus mRNAS are released by transcript-specific channels in the double-layered viral capsid. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12042-12047.	3.3	42
78	Guanylyltransferase and RNA 5â€²-triphosphatase activities of the purified expressed VP4 protein of bluetongue virus 1 1Edited by J. Karn. Journal of Molecular Biology, 1998, 280, 859-866.	2.0	40
79	Isolation and Properties of Poliovirus Minus Strand Ribonucleic Acid. Journal of Virology, 1970, 6, 604-609.	1.5	40
80	3-D reconstruction of bluetongue virus tubules using cryoelectron microscopy. Journal of Structural Biology, 1992, 108, 35-48.	1.3	39
81	Genetically Engineered Particulate Virus-Like Structures and Their Use as Vaccine Delivery Systems. Intervirology, 1996, 39, 62-71.	1.2	38
82	Specific binding of Bluetongue virus NS2 to different viral plus-strand RNAs. Virology, 2006, 353, 17-26.	1.1	38
83	Complementary RNA Species Isolated from Vesicular Stomatitis (HR Strain) Defective Virions. Journal of Virology, 1973, 11, 915-925.	1.5	36
84	Disruption of Specific RNA-RNA Interactions in a Double-Stranded RNA Virus Inhibits Genome Packaging and Virus Infectivity. PLoS Pathogens, 2015, 11, e1005321.	2.1	36
85	Functional Dissection of the Major Structural Protein of Bluetongue Virus: Identification of Key Residues within VP7 Essential for Capsid Assembly. Journal of Virology, 2000, 74, 8658-8669.	1.5	35
86	The use of African horse sickness virus NS3 protein, expressed in bacteria, as a marker to differentiate infected from vaccinated horses. Virus Research, 1995, 38, 205-218.	1.1	34
87	Structures of orbivirus VP7: implications for the role of this protein in the viral life cycle. Structure, 1997, 5, 871-883.	1.6	34
88	Assembly of feline calicivirus-like particle and its immunogenicity. Veterinary Microbiology, 2007, 120, 173-178.	0.8	34
89	A reverse genetics system of African horse sickness virus reveals existence of primary replication. FEBS Letters, 2010, 584, 3386-3391.	1.3	34
90	In situ structures of RNA-dependent RNA polymerase inside bluetongue virus before and after uncoating. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16535-16540.	3.3	34

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91	Complete nucleotide sequence of the group-reactive antigen VP7 gene of bluetongue virus. Nucleic Acids Research, 1988, 16, 1620-1620.	6.5	33
92	Immunization Against Active Ghrelin Using Virus-Like Particles for Obesity Treatment. Current Pharmaceutical Design, 2013, 19, 6551-6558.	0.9	33
93	Complete sequence of the NSI gene (M6 RNA) of US bluetongue virus serotype 10. Nucleic Acids Research, 1987, 15, 7207-7207.	6.5	32
94	Virus-Derived Tubular Structure Displaying Foreign Sequences on the Surface Elicit CD4+ Th Cell and Protective Humoral Responses. Virology, 2002, 302, 383-392.	1.1	32
95	Defining the Structure-Function Relationships of Bluetongue Virus Helicase Protein VP6. Journal of Virology, 2003, 77, 11347-11356.	1.5	32
96	Baculovirus multigene expression vectors and their use for understanding the assembly process of architecturally complex virus particles. Gene, 1997, 190, 119-129.	1.0	31
97	Recovery of African horse sickness virus from synthetic RNA. Journal of General Virology, 2013, 94, 2259-2265.	1.3	31
98	Morphogenic Capabilities of Human Immunodeficiency Virus Type 1 gag and gag-pol Proteins in Insect Cells. Virology, 1993, 193, 242-255.	1.1	30
99	Mapping the assembly pathway of Bluetongue virus scaffolding protein VP3. Virology, 2004, 324, 387-399.	1.1	30
100	Complete sequence of neutralization protein VP2 of the recent US isolate bluetongue virus serotype 2: Its relationship with VP2 species of other US serotypes. Virus Research, 1988, 11, 49-58.	1.1	29
101	Expression and Characterization of the Two Outer Capsid Proteins of African Horsesickness Virus: The Role of VP2 in Virus Neutralization. Virology, 1994, 202, 348-359.	1.1	29
102	Multigene expression of protein complexes by iterative modification of genomic Bacmid DNA. BMC Molecular Biology, 2009, 10, 87.	3.0	29
103	Bluetongue Virus Capsid Assembly and Maturation. Viruses, 2014, 6, 3250-3270.	1.5	29
104	Presentation of hepatitis B virus preS2 epitope on bluetongue virus core-like particles. Virology, 1992, 190, 840-844.	1.1	28
105	Genetically engineered multiâ€component virusâ€like particles as veterinary vaccines. Immunology and Cell Biology, 1993, 71, 381-389.	1.0	28
106	Bluetongue virus serotype 8 virus-like particles protect sheep against virulent virus infection as a single or multi-serotype cocktail immunogen. Vaccine, 2013, 31, 553-558.	1.7	28
107	Role of cellular caspases, nuclear factor-kappa B and interferon regulatory factors in Bluetongue virus infection and cell fate. Virology Journal, 2010, 7, 362.	1.4	27
108	Trafficking of Bluetongue Virus Visualized by Recovery of Tetracysteine-Tagged Virion Particles. Journal of Virology, 2014, 88, 12656-12668.	1.5	27

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109	Entry of Bluetongue Virus Capsid Requires the Late Endosome-specific Lipid Lysobisphosphatidic Acid. Journal of Biological Chemistry, 2016, 291, 12408-12419.	1.6	27
110	Alternate Capping Mechanisms for Transcription of Spring Viremia of Carp Virus: Evidence for Independent mRNA Initiation. Journal of Virology, 1980, 33, 292-303.	1.5	27
111	Complementation of Human Immunodeficiency Virus (HIV-1) Gag Particle Formation. Virology, 1994, 199, 403-408.	1.1	26
112	Intermolecular Interactions in a Two-Layered Viral Capsid That Requires a Complex Symmetry Mismatch. Journal of Virology, 2003, 77, 11114-11124.	1.5	26
113	A New Form of Particulate Single and Multiple Immunogen Delivery System Based on Recombinant Bluetongue Virus-Derived Tubules. Virology, 1996, 217, 323-331.	1.1	25
114	Bovine Leukemia Virus Gag Particle Assembly in Insect Cells: Formation of Chimeric Particles by Domain-Switched Leukemia/Lentivirus Gag Polyprotein. Virology, 1999, 265, 308-318.	1.1	25
115	Role of Lipids on Entry and Exit of Bluetongue Virus, a Complex Non-Enveloped Virus. Viruses, 2010, 2, 1218-1235.	1.5	25
116	Immunogenicity of recombinant VP2 proteins of all nine serotypes of African horse sickness virus. Vaccine, 2014, 32, 4932-4937.	1.7	25
117	Assembly and Intracellular Localization of the Bluetongue Virus Core Protein VP3. Journal of Virology, 2005, 79, 11487-11495.	1.5	24
118	Reconstitution of bluetongue virus polymerase activity from isolated domains based on a three-dimensional structural model. Biopolymers, 2007, 86, 83-94.	1.2	24
119	Rotavirus Genomic RNA Complex Forms via Specific RNAâ€“RNA Interactions: Disruption of RNA Complex Inhibits Virus Infectivity. Viruses, 2017, 9, 167.	1.5	24
120	Characterization of Spring viremia of carp virus mRNA species and the 3â€² sequence of the viral RNA. Virus Research, 1984, 1, 189-202.	1.1	23
121	Nucleotide sequence of the VP4 core protein gene (M4 RNA) of US bluetongue virus serotype 10. Nucleic Acids Research, 1987, 15, 7206-7206.	6.5	23
122	Atomic structure of the translation regulatory protein NS1 of bluetongue virus. Nature Microbiology, 2019, 4, 837-845.	5.9	23
123	Use of baculovirus expression vectors: development of diagnostic reagents, vaccines and morphological counterparts of bluetongue virus. FEMS Microbiology Letters, 1990, 64, 223-234.	0.7	22
124	Induction of Human Immunodeficiency Virus Type 1-Specific T Cells by a Bluetongue Virus Tubule-Vectored Vaccine Prime-Recombinant Modified Virus Ankara Boost Regimen. Journal of Virology, 2005, 79, 14822-14833.	1.5	22
125	Assembly of Replication-Incompetent African Horse Sickness Virus Particles: Rational Design of Vaccines for All Serotypes. Journal of Virology, 2016, 90, 7405-7414.	1.5	22
126	NTP binding and phosphohydrolase activity associated with purified bluetongue virus non-structural protein NS2. Journal of General Virology, 2000, 81, 1961-1965.	1.3	22

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127	Phosphoproteins of Spring Viremia of Carp virus. Virology, 1981, 112, 274-281.	1.1	21
128	Pathogenicity study in sheep using reverse-genetics-based reassortant bluetongue viruses. Veterinary Microbiology, 2014, 174, 139-147.	0.8	21
129	Rehosting of Bacterial Chaperones for High-Quality Protein Production. Applied and Environmental Microbiology, 2009, 75, 7850-7854.	1.4	20
130	Bluetongue virus infection alters the impedance of monolayers of bovine endothelial cells as a result of cell death. Veterinary Immunology and Immunopathology, 2010, 136, 108-115.	0.5	20
131	Replication-Deficient Particles: New Insights into the Next Generation of Bluetongue Virus Vaccines. Journal of Virology, 2017, 91, .	1.5	20
132	A Leucine Zipper-Like Domain Is Essential for Dimerization and Encapsidation of Bluetongue Virus Nucleocapsid Protein VP4. Journal of Virology, 1998, 72, 2983-2990.	1.5	20
133	From genes to complex structures of bluetongue virus and their efficacy as vaccines. Veterinary Microbiology, 1992, 33, 155-168.	0.8	18
134	Interaction of nucleic acids with core-like and subcore-like particles of bluetongue virus. Virology, 1992, 191, 231-236.	1.1	18
135	The complete sequence of four major structural proteins of African horse sickness virus serotype 6: evolutionary relationships within and between the orbiviruses. Virus Research, 1998, 53, 53-73.	1.1	18
136	Protective efficacy of multivalent replication-abortive vaccine strains in horses against African horse sickness virus challenge. Vaccine, 2017, 35, 4262-4269.	1.7	18
137	Induction of protective antiviral cytotoxic T cells by a tubular structure capable of carrying large foreign sequences. Vaccine, 2002, 20, 1369-1377.	1.7	17
138	Development of reverse genetics for Ibaraki virus to produce viable VP6â€tagged IBAV. FEBS Open Bio, 2015, 5, 445-453.	1.0	17
139	Structural constraints in the packaging of bluetongue virus genomic segments. Journal of General Virology, 2014, 95, 2240-2250.	1.3	17
140	Synthesis of recombinant baculoviruses expressing the outer capsid protein VP2 of five BTV serotypes and the induction of neutralizing antibodies to homologous and heterologous BTV serotypes. Virus Research, 1994, 31, 149-161.	1.1	16
141	Effects of Domain-Switching and Site-Directed Mutagenesis on the Properties and Functions of the VP7 Proteins of Two Orbiviruses. Virology, 1997, 237, 217-227.	1.1	16
142	Influence of Cellular Trafficking Pathway on Bluetongue Virus Infection in Ovine Cells. Viruses, 2015, 7, 2378-2403.	1.5	15
143	Induction of T cell response by bluetongue virus core-like particles expressing a T cell epitope of the M1 protein of influenza A virus. Medical Microbiology and Immunology, 1998, 187, 91-96.	2.6	14
144	Cellular Casein Kinase 2 and Protein Phosphatase 2A Modulate Replication Site Assembly of Bluetongue Virus. Journal of Biological Chemistry, 2016, 291, 14566-14574.	1.6	14

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145	Hsp90 Chaperones Bluetongue Virus Proteins and Prevents Proteasomal Degradation. Journal of Virology, 2019, 93, .	1.5	14
146	Multiple Routes of Bluetongue Virus Egress. Microorganisms, 2020, 8, 965.	1.6	14
147	Bluetongue Virus VP1 Polymerase Activity In Vitro: Template Dependency, Dinucleotide Priming and Cap Dependency. PLoS ONE, 2011, 6, e27702.	1.1	14
148	Bluetongue virus capsid protein VP5 perforates membranes at low endosomal pH during viral entry. Nature Microbiology, 2021, 6, 1424-1432.	5.9	14
149	Assembly of macromolecular complexes in bacterial and baculovirus expression systems. Current Opinion in Structural Biology, 1996, 6, 157-161.	2.6	13
150	Mapping the pH Sensors Critical for Host Cell Entry by a Complex Nonenveloped Virus. Journal of Virology, 2019, 93, .	1.5	13
151	Phosphoproteomic Analysis Reveals the Importance of Kinase Regulation During Orbivirus Infection. Molecular and Cellular Proteomics, 2017, 16, 1990-2005.	2.5	12
152	5â€²-Terminal Sequences of Spring Viremia of Carp Virus RNA Synthesized In Vitro. Journal of Virology, 1979, 30, 735-745.	1.5	12
153	Detection of Bluetongue Virus RNA by in Situ Hybridization: Comparison with Virus Isolation and Antigen Detection. Journal of Veterinary Diagnostic Investigation, 1991, 3, 22-28.	0.5	11
154	Thermal Denaturation of Proteins for SDS-PAGE Analysis by Microwave Irradiation. BioTechniques, 1997, 22, 224-226.	0.8	11
155	Multiple large foreign protein expression by a single recombinant baculovirus: A system for production of multivalent vaccines. Protein Expression and Purification, 2013, 91, 77-84.	0.6	11
156	Dynamic network approach for the modelling of genomic sub-complexes in multi-segmented viruses. Nucleic Acids Research, 2018, 46, 12087-12098.	6.5	11
157	The Interaction of Bluetongue Virus VP6 and Genomic RNA Is Essential for Genome Packaging. Journal of Virology, 2019, 93, .	1.5	11
158	Bluetongue Virus Nonstructural Protein 3 Orchestrates Virus Maturation and Drives Non-Lytic Egress via Two Polybasic Motifs. Viruses, 2019, 11, 1107.	1.5	11
159	Synthesis of Bluetongue Virus Chimeric VP3 Molecules and Their Interactions with VP7 Protein to Assemble into Virus Core-like Particles. Virology, 1995, 214, 593-601.	1.1	10
160	Transient expression in insect cells using a recombinant baculovirus synthesising bacteriophage T7 RNA polymerase. Nucleic Acids Research, 1995, 23, 188-191.	6.5	10
161	Induction of HLA-A2-restricted CTL responses by a tubular structure carrying human melanoma epitopes. Vaccine, 2002, 20, 2463-2473.	1.7	10
162	A non-enveloped arbovirus released in lysosome-derived extracellular vesicles induces super-infection exclusion. PLoS Pathogens, 2020, 16, e1009015.	2.1	10

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163	A Calcium Sensor Discovered in Bluetongue Virus Nonstructural Protein 2 Is Critical for Virus Replication. Journal of Virology, 2020, 94, .	1.5	10
164	SARS-CoV-2 Virus-like Particles Produced by a Single Recombinant Baculovirus Generate Anti-S Antibody and Protect against Variant Challenge. Viruses, 2022, 14, 914.	1.5	10
165	Phylogenetic relationships of the VP2 protein of a virulent isolate of bluetongue virus (BTV-23) compared to those of 6 other BTV serotypes. Virus Research, 1994, 34, 81-92.	1.1	9
166	Baculovirus solves a complex problem. Nature Biotechnology, 2004, 22, 1527-1528.	9.4	9
167	Cellular phosphoinositides and the maturation of bluetongue virus, a non-enveloped capsid virus. Virology Journal, 2013, 10, 73.	1.4	9
168	Elucidating virus entry using a tetracysteine-tagged virus. Methods, 2017, 127, 23-29.	1.9	9
169	Interaction between a Unique Minor Protein and a Major Capsid Protein of Bluetongue Virus Controls Virus Infectivity. Journal of Virology, 2018, 92, .	1.5	9
170	Generation of infectious RNA complexes in orbiviruses: RNA-RNA interactions of genomic segments. Oncotarget, 2016, 7, 72559-72570.	0.8	9
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