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	Sialic Acid Binding Sites in VP2 of Bluetongue Virus and Their Use during Virus Entry. Journal of Virology, 2022, 96, JVI0167721.	1.5	4
2	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
3	Nonenveloped Eukaryotic Virus Entry. , 2021, , 409-416.		0
4	Sputnik V COVID-19 vaccine candidate appears safe and effective. Lancet, The, 2021, 397, 642-643.	6.3	252
5	Entry-competent-replication-abortive African horse sickness virus strains elicit robust immunity in ponies against all serotypes. Vaccine, 2021, 39, 3161-3168.	1.7	2
6	Small is beautiful: virus-like particles as vaccines. Biochemist, 2021, 43, 18-21.	0.2	2
7	RNA Origami: Packaging a Segmented Genome in Orbivirus Assembly and Replication. Viruses, 2021, 13, 1841.	1.5	2
8	Bluetongue Virus (Reoviridae). , 2021, , 127-136.		0
9	Bluetongue virus capsid protein VP5 perforates membranes at low endosomal pH during viral entry. Nature Microbiology, 2021, 6, 1424-1432.	5.9	14
10	A non-enveloped arbovirus released in lysosome-derived extracellular vesicles induces super-infection exclusion. PLoS Pathogens, 2020, 16, e1009015.	2.1	10
11	A Calcium Sensor Discovered in Bluetongue Virus Nonstructural Protein 2 Is Critical for Virus Replication. Journal of Virology, 2020, 94, .	1.5	10
12	Highly efficient vaccines for Bluetongue virus and a related Orbivirus based on reverse genetics. Current Opinion in Virology, 2020, 44, 35-41.	2.6	7
13	Multiple Routes of Bluetongue Virus Egress. Microorganisms, 2020, 8, 965.	1.6	14
14	Differential Localization of Structural and Non-Structural Proteins during the Bluetongue Virus Replication Cycle. Viruses, 2020, 12, 343.	1.5	6
15	Bluetongue virus assembly and exit pathways. Advances in Virus Research, 2020, 108, 249-273.	0.9	4
16	Hsp90 Chaperones Bluetongue Virus Proteins and Prevents Proteasomal Degradation. Journal of Virology, 2019, 93, .	1.5	14
17	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
18	In situ structures of rotavirus polymerase in action and mechanism of mRNA transcription and release. Nature Communications, 2019, 10, 2216.	5.8	65

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19	The Interaction of Bluetongue Virus VP6 and Genomic RNA Is Essential for Genome Packaging. Journal of Virology, 2019, 93, .	1.5	11
20	Atomic structure of the translation regulatory protein NS1 of bluetongue virus. Nature Microbiology, 2019, 4, 837-845.	5.9	23
21	Bluetongue Virus Nonstructural Protein 3 Orchestrates Virus Maturation and Drives Non-Lytic Egress via Two Polybasic Motifs. Viruses, 2019, 11, 1107.	1.5	11
22	Mapping the pH Sensors Critical for Host Cell Entry by a Complex Nonenveloped Virus. Journal of Virology, 2019, 93, .	1.5	13
23	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
24	Dynamic network approach for the modelling of genomic sub-complexes in multi-segmented viruses. Nucleic Acids Research, 2018, 46, 12087-12098.	6.5	11
25	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
26	Bluetongue virus structure and assembly. Current Opinion in Virology, 2017, 24, 115-123.	2.6	66
27	Phosphoproteomic Analysis Reveals the Importance of Kinase Regulation During Orbivirus Infection. Molecular and Cellular Proteomics, 2017, 16, 1990-2005.	2.5	12
28	Protective efficacy of multivalent replication-abortive vaccine strains in horses against African horse sickness virus challenge. Vaccine, 2017, 35, 4262-4269.	1.7	18
29	Elucidating virus entry using a tetracysteine-tagged virus. Methods, 2017, 127, 23-29.	1.9	9
30	Replication-Deficient Particles: New Insights into the Next Generation of Bluetongue Virus Vaccines. Journal of Virology, 2017, 91, .	1.5	20
31	Rotavirus Genomic RNA Complex Forms via Specific RNAâ€“RNA Interactions: Disruption of RNA Complex Inhibits Virus Infectivity. Viruses, 2017, 9, 167.	1.5	24
32	In situ Structure of Viral RNA by Cryo Electron Tomography with Volta Phase Plate, Energy Filtering and Direct Electron Counting. Microscopy and Microanalysis, 2016, 22, 74-75.	0.2	1
33	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
34	Entry of Bluetongue Virus Capsid Requires the Late Endosome-specific Lipid Lysobisphosphatidic Acid. Journal of Biological Chemistry, 2016, 291, 12408-12419.	1.6	27
35	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
36	Generation of virus-like particles for emerging epizootic haemorrhagic disease virus: Towards the development of safe vaccine candidates. Vaccine, 2016, 34, 1103-1108.	1.7	7

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37	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
38	Generation of infectious RNA complexes in orbiviruses: RNA-RNA interactions of genomic segments. Oncotarget, 2016, 7, 72559-72570.	0.8	9
39	Influence of Cellular Trafficking Pathway on Bluetongue Virus Infection in Ovine Cells. Viruses, 2015, 7, 2378-2403.	1.5	15
40	Development of reverse genetics for Ibaraki virus to produce viable VP6â€tagged IBAV. FEBS Open Bio, 2015, 5, 445-453.	1.0	17
41	Structureâ€based identification of functional residues in the nucleosideâ€2â€²â€Oâ€methylase domain of Bluetongue virus VP4 capping enzyme. FEBS Open Bio, 2015, 5, 138-146.	1.0	5
42	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
43	Bluetongue Virus Capsid Assembly and Maturation. Viruses, 2014, 6, 3250-3270.	1.5	29
44	Structure based modification of Bluetongue virus helicase protein VP6 to produce a viable VP6-truncated BTV. Biochemical and Biophysical Research Communications, 2014, 451, 603-608.	1.0	8
45	Sequential packaging of RNA genomic segments during the assembly of Bluetongue virus. Nucleic Acids Research, 2014, 42, 13824-13838.	6.5	46
46	Anti-ghrelin Therapeutic Vaccine: A Novel Approach for Obesity Treatment. , 2014, , 463-476.		1
47	Pathogenicity study in sheep using reverse-genetics-based reassortant bluetongue viruses. Veterinary Microbiology, 2014, 174, 139-147.	0.8	21
48	Trafficking of Bluetongue Virus Visualized by Recovery of Tetracysteine-Tagged Virion Particles. Journal of Virology, 2014, 88, 12656-12668.	1.5	27
49	Immunogenicity of recombinant VP2 proteins of all nine serotypes of African horse sickness virus. Vaccine, 2014, 32, 4932-4937.	1.7	25
50	The molecular biology of Bluetongue virus replication. Virus Research, 2014, 182, 5-20.	1.1	72
51	Structural constraints in the packaging of bluetongue virus genomic segments. Journal of General Virology, 2014, 95, 2240-2250.	1.3	17
52	Cellular phosphoinositides and the maturation of bluetongue virus, a non-enveloped capsid virus. Virology Journal, 2013, 10, 73.	1.4	9
53	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
54	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

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55	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
56	Minimum Requirements for Bluetongue Virus Primary Replication In Vivo. Journal of Virology, 2013, 87, 882-889.	1.5	45
57	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
58	Recovery of African horse sickness virus from synthetic RNA. Journal of General Virology, 2013, 94, 2259-2265.	1.3	31
59	Immunization Against Active Ghrelin Using Virus-Like Particles for Obesity Treatment. Current Pharmaceutical Design, 2013, 19, 6551-6558.	0.9	33
60	Development of Safe and Efficacious Bluetongue Virus Vaccines. , 2013, , 313-327.		1
61	Use of Bacterial Artificial Chromosomes in Baculovirus Research and Recombinant Protein Expression: Current Trends and Future Perspectives. , 2012, 2012, 1-11.		7
62	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
63	Detection of Specific mRNA Synthesis in Rotavirus using Single Molecule Hybridization. Biophysical Journal, 2012, 102, 287a.	0.2	0
64	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
65	Bluetongue virus non-structural protein 1 is a positive regulator of viral protein synthesis. Virology Journal, 2012, 9, 178.	1.4	65
66	Rift Valley fever: Real or perceived threat for Zambia?. Onderstepoort Journal of Veterinary Research, 2012, 79, .	0.6	8
67	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
68	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
69	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
70	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
71	Bluetongue Virus VP1 Polymerase Activity In Vitro: Template Dependency, Dinucleotide Priming and Cap Dependency. PLoS ONE, 2011, 6, e27702.	1.1	14
72	Orbivirus. , 2011, , 1603-1610.		0

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73	A reverse genetics system of African horse sickness virus reveals existence of primary replication. FEBS Letters, 2010, 584, 3386-3391.	1.3	34
74	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
75	Role of Lipids on Entry and Exit of Bluetongue Virus, a Complex Non-Enveloped Virus. Viruses, 2010, 2, 1218-1235.	1.5	25
76	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
77	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
78	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
79	A Viral Nonstructural Protein Regulates Bluetongue Virus Trafficking and Release. Journal of Virology, 2009, 83, 6806-6816.	1.5	88
80	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
81	Rehosting of Bacterial Chaperones for High-Quality Protein Production. Applied and Environmental Microbiology, 2009, 75, 7850-7854.	1.4	20
82	Multigene expression of protein complexes by iterative modification of genomic Bacmid DNA. BMC Molecular Biology, 2009, 10, 87.	3.0	29
83	Prospects for improved bluetongue vaccines. Nature Reviews Microbiology, 2009, 7, 120-128.	13.6	69
84	Virus-Like Particles as a Vaccine Delivery System: Myths and Facts. Advances in Experimental Medicine and Biology, 2009, 655, 145-158.	0.8	49
85	Bluetongue virus replication and assembly. , 2009, , 53-76.		6
86	Characterisation of a GII-4 norovirus variant-specific surface-exposed site involved in antibody binding. Virology Journal, 2009, 6, 150.	1.4	69
87	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
88	Rift Valley fever virus structural proteins: expression, characterization and assembly of recombinant proteins. Virology Journal, 2008, 5, 82.	1.4	88
89	Virusâ€'like particles as a vaccine delivery system: Myths and facts. Hum Vaccin, 2008, 4, 5-12.	2.4	141
90	Manipulation of the bluetongue virus tubules for immunogen delivery. Future Microbiology, 2008, 3, 351-359.	1.0	3

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91	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
92	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
93	Bluetongue Virus Entry into Cells. Journal of Virology, 2008, 82, 1626-1626.	1.5	0
94	Bluetongue virus: dissection of the polymerase complex. Journal of General Virology, 2008, 89, 1789-1804.	1.3	50
95	Bluetongue Virus Entry into Cells. Journal of Virology, 2007, 81, 4819-4827.	1.5	82
96	Recovery of Infectious Bluetongue Virus from RNA. Journal of Virology, 2007, 81, 2179-2186.	1.5	68
97	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
98	Interaction between Bluetongue virus outer capsid protein VP2 and vimentin is necessary for virus egress. Virology Journal, 2007, 4, 7.	1.4	74
99	Reconstitution of bluetongue virus polymerase activity from isolated domains based on a three-dimensional structural model. Biopolymers, 2007, 86, 83-94.	1.2	24
100	Bluetongue virus RNA binding protein NS2 is a modulator of viral replication and assembly. BMC Molecular Biology, 2007, 8, 4.	3.0	77
101	Bluetongue virus VP4 is an RNA-capping assembly line. Nature Structural and Molecular Biology, 2007, 14, 449-451.	3.6	82
102	Assembly of feline calicivirus-like particle and its immunogenicity. Veterinary Microbiology, 2007, 120, 173-178.	0.8	34
103	Specific binding of Bluetongue virus NS2 to different viral plus-strand RNAs. Virology, 2006, 353, 17-26.	1.1	38
104	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
105	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
106	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
107	Assembly and Intracellular Localization of the Bluetongue Virus Core Protein VP3. Journal of Virology, 2005, 79, 11487-11495.	1.5	24
108	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

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109	Role of an Arbovirus Nonstructural Protein in Cellular Pathogenesis and Virus Release. Journal of Virology, 2004, 78, 6649-6656.	1.5	101
110	Purified Recombinant Bluetongue Virus VP1 Exhibits RNA Replicase Activity. Journal of Virology, 2004, 78, 3994-4002.	1.5	59
111	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
112	Interactions between the Inner and Outer Capsids of Bluetongue Virus. Journal of Virology, 2004, 78, 8059-8067.	1.5	91
113	Bluetongue Virus Outer Capsid Proteins Are Sufficient To Trigger Apoptosis in Mammalian Cells. Journal of Virology, 2004, 78, 2875-2883.	1.5	63
114	Baculovirus solves a complex problem. Nature Biotechnology, 2004, 22, 1527-1528.	9.4	9
115	Mapping the assembly pathway of Bluetongue virus scaffolding protein VP3. Virology, 2004, 324, 387-399.	1.1	30
116	Efficient assembly and release of SARS coronavirus-like particles by a heterologous expression system. FEBS Letters, 2004, 576, 174-178.	1.3	222
117	Viral infection switches non-plasmacytoid dendritic cells into high interferon producers. Nature, 2003, 424, 324-328.	13.7	544
118	Virus-like particles as immunogens. Trends in Microbiology, 2003, 11, 438-444.	3.5	493
119	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
120	Intermolecular Interactions in a Two-Layered Viral Capsid That Requires a Complex Symmetry Mismatch. Journal of Virology, 2003, 77, 11114-11124.	1.5	26
121	Defining the Structure-Function Relationships of Bluetongue Virus Helicase Protein VP6. Journal of Virology, 2003, 77, 11347-11356.	1.5	32
122	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
123	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
124	Induction of HLA-A2-restricted CTL responses by a tubular structure carrying human melanoma epitopes. Vaccine, 2002, 20, 2463-2473.	1.7	10
125	Comparative Analysis of the Roles of Simian Immunodeficiency and Bovine Leukemia Virus Matrix Proteins in Gag Assembly in Insect Cells. Virology, 2002, 299, 48-55.	1.1	2
126	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

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127	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
128	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
129	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
130	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
131	ORBIVIRUSES AND COLTIVIRUSES (REOVIRIDAE) | Molecular Biology. , 1999, , 1062-1074.		8
132	Expression and Functional Characterization of Bluetongue Virus VP2 Protein: Role in Cell Entry. Journal of Virology, 1999, 73, 9832-9842.	1.5	113
133	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
134	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
135	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
136	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
137	Membrane Organization of Bluetongue Virus Nonstructural Glycoprotein NS3. Journal of Virology, 1998, 72, 3362-3369.	1.5	49
138	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
139	Thermal Denaturation of Proteins for SDS-PAGE Analysis by Microwave Irradiation. BioTechniques, 1997, 22, 224-226.	0.8	11
140	Structures of orbivirus VP7: implications for the role of this protein in the viral life cycle. Structure, 1997, 5, 871-883.	1.6	34
141	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
142	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
143	Multiple Gene Expression in Baculovirus System: Third Generation Vaccines for Bluetongue Disease and African Horsesickness Disease. Annals of the New York Academy of Sciences, 1996, 791, 318-332.	1.8	7
144	Assembly of macromolecular complexes in bacterial and baculovirus expression systems. Current Opinion in Structural Biology, 1996, 6, 157-161.	2.6	13

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145	Orbivirus Structure and Assembly. Virology, 1996, 216, 1-11.	1.1	65
146	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
147	Genetically Engineered Particulate Virus-Like Structures and Their Use as Vaccine Delivery Systems. Intervirology, 1996, 39, 62-71.	1.2	38
148	The crystal structure of bluetongue virus VP7. Nature, 1995, 373, 167-170.	13.7	168
149	Crystal structure of SIV matrix antigen and implications for virus assembly. Nature, 1995, 378, 743-747.	13.7	202
150	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
151	Transient expression in insect cells using a recombinant baculovirus synthesising bacteriophage T7 RNA polymerase. Nucleic Acids Research, 1995, 23, 188-191.	6.5	10
152	High-level expression of five foreign genes by a single recombinant baculovirus. Gene, 1995, 156, 229-233.	1.0	43
153	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
154	Multicomponent Viral Vaccines and Their Use as Immunogen Delivery Systems. , 1995, , 103-116.		0
155	Complementation of Human Immunodeficiency Virus (HIV-1) Gag Particle Formation. Virology, 1994, 199, 403-408.	1.1	26
156	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
157	African horse sickness virus structure. Comparative Immunology, Microbiology and Infectious Diseases, 1994, 17, 243-273.	0.7	67
158	Crystallization and Preliminary X-ray Investigation of Recombinant Simian Immunodeficiency Virus Matrix Protein. Journal of Molecular Biology, 1994, 241, 744-746.	2.0	6
159	Structure of Correctly Self-Assembled Bluetongue Virus-like Particles. Journal of Structural Biology, 1994, 112, 183-191.	1.3	49
160	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
161	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
162	Genetically engineered multiâ€component virusâ€like particles as veterinary vaccines. Immunology and Cell Biology, 1993, 71, 381-389.	1.0	28

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163	Morphogenic Capabilities of Human Immunodeficiency Virus Type 1 gag and gag-pol Proteins in Insect Cells. Virology, 1993, 193, 242-255.	1.1	30
164	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
165	Dissecting the assembly of orbiviruses. Trends in Microbiology, 1993, 1, 299-305.	3.5	3
166	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
167	From genes to complex structures of bluetongue virus and their efficacy as vaccines. Veterinary Microbiology, 1992, 33, 155-168.	0.8	18
168	Specificity of molecular hybridization techniques for the detection of bluetongue virus serotypes in Culicoides variipennis. Molecular and Cellular Probes, 1992, 6, 431-438.	0.9	0
169	3-D reconstruction of bluetongue virus tubules using cryoelectron microscopy. Journal of Structural Biology, 1992, 108, 35-48.	1.3	39
170	Structure of bluetongue virus particles by cryoelectron microscopy. Journal of Structural Biology, 1992, 109, 61-69.	1.3	104
171	Interaction of nucleic acids with core-like and subcore-like particles of bluetongue virus. Virology, 1992, 191, 231-236.	1.1	18
172	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
173	Three-dimensional reconstruction of baculovirus expressed bluetongue virus core-like particles by cryo-electron microscopy. Virology, 1992, 189, 10-20.	1.1	106
174	Presentation of hepatitis B virus preS2 epitope on bluetongue virus core-like particles. Virology, 1992, 190, 840-844.	1.1	28
175	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
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