

Peter P C Mertens

List of Publications by Year in descending order

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74
papers

6,150
citations

109264

35
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85498

71
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74
all docs

74
docs citations

74
times ranked

4561
citing authors

#	ARTICLE	IF	CITATIONS
1	Reparameterization of a mathematical model of African horse sickness virus using data from a systematic literature search. <i>Transboundary and Emerging Diseases</i> , 2022, 69, .	1.3	3
2	An Early Block in the Replication of the Atypical Bluetongue Virus Serotype 26 in <i>Culicoides</i> Cells Is Determined by Its Capsid Proteins. <i>Viruses</i> , 2021, 13, 919.	1.5	11
3	Serological Cross-Reactions between Expressed VP2 Proteins from Different Bluetongue Virus Serotypes. <i>Viruses</i> , 2021, 13, 1455.	1.5	5
4	Inhibition of Orbivirus Replication by Fluvastatin and Identification of the Key Elements of the Mevalonate Pathway Involved. <i>Viruses</i> , 2021, 13, 1437.	1.5	7
5	Identification of the Genome Segments of Bluetongue Virus Type 26/Type 1 Reassortants Influencing Horizontal Transmission in a Mouse Model. <i>Viruses</i> , 2021, 13, 2208.	1.5	7
6	Diversity of Transmission Outcomes Following Co-Infection of Sheep with Strains of Bluetongue Virus Serotype 1 and 8. <i>Microorganisms</i> , 2020, 8, 851.	1.6	5
7	Continuous Cell Lines from the European Biting Midge <i>Culicoides nubeculosus</i> (Meigen, 1830). <i>Microorganisms</i> , 2020, 8, 825.	1.6	6
8	“Frozen evolution” of an RNA virus suggests accidental release as a potential cause of arbovirus re-emergence. <i>PLoS Biology</i> , 2020, 18, e3000673.	2.6	15
9	The SUMOylation pathway suppresses arbovirus replication in <i>Aedes aegypti</i> cells. <i>PLoS Pathogens</i> , 2020, 16, e1009134.	2.1	7
10	Bluetongue virus outer-capsid protein VP2 expressed in <i>Nicotiana benthamiana</i> raises neutralising antibodies and a protective immune response in IFNAR ^{-/-} mice. <i>Vaccine: X</i> , 2019, 2, 100026.	0.9	11
11	BTV-GLUE: a new bioinformatic resource for genomic studies of Bluetongue virus. <i>Access Microbiology</i> , 2019, 1, .	0.2	0
12	Comparative Neuropathology of Major Indian Bluetongue Virus Serotypes in a Neonatal BALB/c Mouse Model. <i>Journal of Comparative Pathology</i> , 2018, 162, 18-28.	0.1	5
13	Using shared needles for subcutaneous inoculation can transmit bluetongue virus mechanically between ruminant hosts. <i>Scientific Reports</i> , 2016, 6, 20627.	1.6	30
14	Generation of virus like particles for epizootic hemorrhagic disease virus. <i>Research in Veterinary Science</i> , 2016, 107, 116-122.	0.9	7
15	Evaluation of adaptive immune responses and heterologous protection induced by inactivated bluetongue virus vaccines. <i>Vaccine</i> , 2015, 33, 512-518.	1.7	23
16	Widespread Reassortment Shapes the Evolution and Epidemiology of Bluetongue Virus following European Invasion. <i>PLoS Pathogens</i> , 2015, 11, e1005056.	2.1	117
17	Virus and Host Factors Affecting the Clinical Outcome of Bluetongue Virus Infection. <i>Journal of Virology</i> , 2014, 88, 10399-10411.	1.5	79
18	Characterization of sheep pox virus vaccine for cattle against lumpy skin disease virus. <i>Antiviral Research</i> , 2014, 109, 1-6.	1.9	106

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19	Vaccination of horses with a recombinant modified vaccinia Ankara virus (MVA) expressing African horse sickness (AHS) virus major capsid protein VP2 provides complete clinical protection against challenge. <i>Vaccine</i> , 2014, 32, 3670-3674.	1.7	43
20	Immunisation with bacterial expressed VP2 and VP5 of bluetongue virus (BTV) protect \hat{I}^{\pm}/\hat{I}^2 interferon-receptor knock-out (IFNAR $\hat{a}^{\sim}/\hat{a}^{\sim}$) mice from homologous lethal challenge. <i>Vaccine</i> , 2014, 32, 4059-4067.	1.7	26
21	Full-Genome Characterisation of Orungo, Lebombo and Changuinola Viruses Provides Evidence for Co-Evolution of Orbiviruses with Their Arthropod Vectors. <i>PLoS ONE</i> , 2014, 9, e86392.	1.1	33
22	Biolistic Transfection of Human Embryonic Kidney (HEK) 293 Cells. , 2013, 940, 119-132.		1
23	Reassortment between Two Serologically Unrelated Bluetongue Virus Strains Is Flexible and Can Involve any Genome Segment. <i>Journal of Virology</i> , 2013, 87, 543-557.	1.5	107
24	Bluetongue virus infection induces aberrant mitosis in mammalian cells. <i>Virology Journal</i> , 2013, 10, 319.	1.4	6
25	The Double-Stranded RNA Bluetongue Virus Induces Type I Interferon in Plasmacytoid Dendritic Cells via a MYD88-Dependent TLR7/8-Independent Signaling Pathway. <i>Journal of Virology</i> , 2012, 86, 5817-5828.	1.5	45
26	Evidence of seroconversion to SBV in camelids. <i>Veterinary Record</i> , 2012, 170, 603-603.	0.2	21
27	Complete Genome Sequence of an Isolate of Bluetongue Virus Serotype 2, Demonstrating Circulation of a Western Topotype in Southern India. <i>Journal of Virology</i> , 2012, 86, 5404-5405.	1.5	18
28	<i>Drosophila melanogaster</i> as a Model Organism for Bluetongue Virus Replication and Tropism. <i>Journal of Virology</i> , 2012, 86, 9015-9024.	1.5	35
29	Clinical disease in sheep caused by bluetongue virus serotype 8, and prevention by an inactivated vaccine. <i>Vaccine</i> , 2012, 30, 2228-2235.	1.7	32
30	Immunization of knock-out \hat{I}^{\pm}/\hat{I}^2 interferon receptor mice against lethal bluetongue infection with a BoHV-4-based vector expressing BTV-8 VP2 antigen. <i>Vaccine</i> , 2011, 29, 3074-3082.	1.7	47
31	Saliva Proteins of Vector Culicoides Modify Structure and Infectivity of Bluetongue Virus Particles. <i>PLoS ONE</i> , 2011, 6, e17545.	1.1	28
32	Complete Genome Characterisation of a Novel 26th Bluetongue Virus Serotype from Kuwait. <i>PLoS ONE</i> , 2011, 6, e26147.	1.1	151
33	Uniformity of rotavirus strain nomenclature proposed by the Rotavirus Classification Working Group (RCWG). <i>Archives of Virology</i> , 2011, 156, 1397-1413.	0.9	827
34	Determinants of Bluetongue Virus Virulence in Murine Models of Disease. <i>Journal of Virology</i> , 2011, 85, 11479-11489.	1.5	46
35	Detection of a Fourth Orbivirus Non-Structural Protein. <i>PLoS ONE</i> , 2011, 6, e25697.	1.1	174
36	Expression and secretion of Bluetongue virus serotype 8 (BTV-8)VP2 outer capsid protein by mammalian cells. <i>Journal of Virological Methods</i> , 2010, 169, 420-424.	1.0	8

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37	A Clathrin Independent Macropinocytosis-Like Entry Mechanism Used by Bluetongue Virus-1 during Infection of BHK Cells. PLoS ONE, 2010, 5, e11360.	1.1	74
38	Simian Rotaviruses Possess Divergent Gene Constellations That Originated from Interspecies Transmission and Reassortment. Journal of Virology, 2010, 84, 2013-2026.	1.5	60
39	Complete sequence of Great Island virus and comparison with the T2 and outer-capsid proteins of Kemerovo, Lipovnik and Tribec viruses (genus Orbivirus, family Reoviridae). Journal of General Virology, 2010, 91, 2985-2993.	1.3	54
40	Viraemia and clinical disease in Dorset Poll sheep following vaccination with live attenuated bluetongue virus vaccines serotypes 16 and 4. Vaccine, 2010, 28, 1397-1403.	1.7	44
41	Induction of Antibody Responses to African Horse Sickness Virus (AHSV) in Ponies after Vaccination with Recombinant Modified Vaccinia Ankara (MVA). PLoS ONE, 2009, 4, e5997.	1.1	37
42	Transplacental Transmission of Bluetongue Virus 8 in Cattle, UK. Emerging Infectious Diseases, 2009, 15, 2025-2028.	2.0	55
43	Bluetongue Virus Targets Conventional Dendritic Cells in Skin Lymph. Journal of Virology, 2009, 83, 8789-8799.	1.5	72
44	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. Veterinary Microbiology, 2009, 139, 1-23.	0.8	183
45	Peruvian horse sickness virus and Yunnan orbivirus, isolated from vertebrates and mosquitoes in Peru and Australia. Virology, 2009, 394, 298-310.	1.1	65
46	Segment 10 based molecular epidemiology of bluetongue virus (BTV) isolates from Turkey: 1999-2001. Virus Research, 2009, 142, 134-139.	1.1	7
47	Recommendations for the classification of group A rotaviruses using all 11 genomic RNA segments. Archives of Virology, 2008, 153, 1621-1629.	0.9	642
48	Complete characterisation of the American grass carp reovirus genome (genus Aquareovirus: family Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 310-321.	1.1	92
49	Sequence analysis of bluetongue virus serotype 8 from the Netherlands 2006 and comparison to other European strains. Virology, 2008, 377, 308-318.	1.1	172
50	Bluetongue in Europe and the Mediterranean Basin: History of occurrence prior to 2006. Preventive Veterinary Medicine, 2008, 87, 4-20.	0.7	142
51	Comparison of cellular and humoral immunoassays for the assessment of summer eczema in horses. Veterinary Immunology and Immunopathology, 2008, 122, 126-137.	0.5	48
52	Sequence analysis of a reovirus isolated from the winter moth Operophtera brumata (Lepidoptera): Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Research, 2008, 135, 42-47.	1.1	13
53	Quantifying Bluetongue Virus in Adult & Culicoides & Biting Midges (Diptera): Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 18	0.9	18
54	Bluetongue virus: virology, pathogenesis and immunity. Veterinary Research, 2008, 39, 46.	1.1	227

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55	Complete nucleotide sequence of Middelburg virus, isolated from the spleen of a horse with severe clinical disease in Zimbabwe. <i>Journal of General Virology</i> , 2007, 88, 3078-3088.	1.3	21
56	Molecular epidemiology of bluetongue virus serotype 4 isolated in the Mediterranean Basin between 1979 and 2004. <i>Virus Research</i> , 2007, 125, 191-197.	1.1	38
57	Biological and molecular studies of a cypovirus from the black fly <i>Simulium ubiquitum</i> (Diptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 537	1.5	23
58	Characterisation and partial sequence analysis of two novel cypoviruses isolated from the winter moth <i>Operophtera brumata</i> (Lepidoptera: Geometridae). <i>Virus Genes</i> , 2007, 35, 463-471.	0.7	14
59	Molecular and biological characterization of a Cypovirus from the mosquito <i>Culex restuans</i> . <i>Journal of Invertebrate Pathology</i> , 2006, 91, 27-34.	1.5	16
60	Detection and characterisation of three novel species of reovirus (Reoviridae), isolated from geographically separate populations of the winter moth <i>Operophtera brumata</i> (Lepidoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 537	1.3	22
61	Crystal lattice as biological phenotype for insect viruses. <i>Protein Science</i> , 2005, 14, 2741-2743.	3.1	26
62	Climate change and the recent emergence of bluetongue in Europe. <i>Nature Reviews Microbiology</i> , 2005, 3, 171-181.	13.6	669
63	The Structure and Function of the Outer Coat Protein VP9 of Banna Virus. <i>Structure</i> , 2005, 13, 17-28.	1.6	35
64	Identification and functional analysis of VP3, the guanylyltransferase of Banna virus (genus Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 T	1.3	22
65	Structural organization of an encephalitic human isolate of Banna virus (genus Seadornavirus, family) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 537	1.3	22
66	Morphological and Molecular Characterization of a Cypovirus (Reoviridae) from the Mosquito <i>Uranotaenia sapphirina</i> (Diptera: Culicidae). <i>Journal of Virology</i> , 2005, 79, 9430-9438.	1.5	54
67	Molecular analysis of the NS3/NS3A gene of Bluetongue virus isolates from the 1979 and 1998-2001 epizootics in Greece and their segregation into two distinct groups. <i>Virus Research</i> , 2005, 114, 6-14.	1.1	33
68	The dsRNA viruses. <i>Virus Research</i> , 2004, 101, 3-13.	1.1	176
69	The bluetongue virus core: a nano-scale transcription machine. <i>Virus Research</i> , 2004, 101, 29-43.	1.1	85
70	Complete sequence characterization of the genome of the St Croix River virus, a new orbivirus isolated from cells of <i>Ixodes scapularis</i> . <i>Journal of General Virology</i> , 2001, 82, 795-804.	1.3	68
71	The structure of a cypovirus and the functional organization of dsRNA viruses. <i>Nature Structural Biology</i> , 1999, 6, 565-568.	9.7	129
72	The atomic structure of the bluetongue virus core. <i>Nature</i> , 1998, 395, 470-478.	13.7	543

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73	Purification and Characterization of Viral dsRNA Genome Profiles by Crosshybridization. , 1998, 86, 249-260.		0
74	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