

Peter P C Mertens

List of Publications by Year in descending order

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74
papers

6,150
citations

109264

35
h-index

85498

71
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74
all docs

74
docs citations

74
times ranked

4561
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Climate change and the recent emergence of bluetongue in Europe. <i>Nature Reviews Microbiology</i> , 2005, 3, 171-181.	13.6	669
3	Recommendations for the classification of group A rotaviruses using all 11 genomic RNA segments. <i>Archives of Virology</i> , 2008, 153, 1621-1629.	0.9	642
4	The atomic structure of the bluetongue virus core. <i>Nature</i> , 1998, 395, 470-478.	13.7	543
5	Bluetongue virus: virology, pathogenesis and immunity. <i>Veterinary Research</i> , 2008, 39, 46.	1.1	227
6	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.	0.8	183
7	The dsRNA viruses. <i>Virus Research</i> , 2004, 101, 3-13.	1.1	176
8	Detection of a Fourth Orbivirus Non-Structural Protein. <i>PLoS ONE</i> , 2011, 6, e25697.	1.1	174
9	Sequence analysis of bluetongue virus serotype 8 from the Netherlands 2006 and comparison to other European strains. <i>Virology</i> , 2008, 377, 308-318.	1.1	172
10	Complete Genome Characterisation of a Novel 26th Bluetongue Virus Serotype from Kuwait. <i>PLoS ONE</i> , 2011, 6, e26147.	1.1	151
11	Bluetongue in Europe and the Mediterranean Basin: History of occurrence prior to 2006. <i>Preventive Veterinary Medicine</i> , 2008, 87, 4-20.	0.7	142
12	The structure of a cyovirus and the functional organization of dsRNA viruses. <i>Nature Structural Biology</i> , 1999, 6, 565-568.	9.7	129
13	Widespread Reassortment Shapes the Evolution and Epidemiology of Bluetongue Virus following European Invasion. <i>PLoS Pathogens</i> , 2015, 11, e1005056.	2.1	117
14	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
15	Characterization of sheep pox virus vaccine for cattle against lumpy skin disease virus. <i>Antiviral Research</i> , 2014, 109, 1-6.	1.9	106
16	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
17	The bluetongue virus core: a nano-scale transcription machine. <i>Virus Research</i> , 2004, 101, 29-43.	1.1	85
18	Virus and Host Factors Affecting the Clinical Outcome of Bluetongue Virus Infection. <i>Journal of Virology</i> , 2014, 88, 10399-10411.	1.5	79

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19	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
20	Bluetongue Virus Targets Conventional Dendritic Cells in Skin Lymph. Journal of Virology, 2009, 83, 8789-8799.	1.5	72
21	Complete sequence characterization of the genome of the St Croix River virus, a new orbivirus isolated from cells of Ixodes scapularis. Journal of General Virology, 2001, 82, 795-804.	1.3	68
22	Peruvian horse sickness virus and Yunnan orbivirus, isolated from vertebrates and mosquitoes in Peru and Australia. Virology, 2009, 394, 298-310.	1.1	65
23	Simian Rotaviruses Possess Divergent Gene Constellations That Originated from Interspecies Transmission and Reassortment. Journal of Virology, 2010, 84, 2013-2026.	1.5	60
24	Transplacental Transmission of Bluetongue Virus 8 in Cattle, UK. Emerging Infectious Diseases, 2009, 15, 2025-2028.	2.0	55
25	Morphological and Molecular Characterization of a Cypovirus (Reoviridae) from the Mosquito Uranotaenia sapphirina (Diptera: Culicidae). Journal of Virology, 2005, 79, 9430-9438.	1.5	54
26	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
27	Structural organization of an encephalitic human isolate of Banna virus (genus Seadornavirus, family) Tj ETQq1 1 0.784314 rgBT /Over	1.3	48
28	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
29	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. Vaccine, 2011, 29, 3074-3082.	1.7	47
30	Determinants of Bluetongue Virus Virulence in Murine Models of Disease. Journal of Virology, 2011, 85, 11479-11489.	1.5	46
31	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
32	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
33	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. Vaccine, 2014, 32, 3670-3674.	1.7	43
34	Molecular epidemiology of bluetongue virus serotype 4 isolated in the Mediterranean Basin between 1979 and 2004. Virus Research, 2007, 125, 191-197.	1.1	38
35	Detection and characterisation of three novel species of reovirus (Reoviridae), isolated from geographically separate populations of the winter moth Operophtera brumata (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Over	1.3	48
36	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

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37	The Structure and Function of the Outer Coat Protein VP9 of Banna Virus. <i>Structure</i> , 2005, 13, 17-28.	1.6	35
38	<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
39	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
40	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
41	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
42	Using shared needles for subcutaneous inoculation can transmit bluetongue virus mechanically between ruminant hosts. <i>Scientific Reports</i> , 2016, 6, 20627.	1.6	30
43	Saliva Proteins of Vector <i>Culicoides</i> Modify Structure and Infectivity of Bluetongue Virus Particles. <i>PLoS ONE</i> , 2011, 6, e17545.	1.1	28
44	Crystal lattice as biological phenotype for insect viruses. <i>Protein Science</i> , 2005, 14, 2741-2743.	3.1	26
45	Immunisation with bacterial expressed VP2 and VP5 of bluetongue virus (BTV) protect $I\pm I^2$ interferon-receptor knock-out (IFNAR ^{-/-}) mice from homologous lethal challenge. <i>Vaccine</i> , 2014, 32, 4059-4067.	1.7	26
46	Biological and molecular studies of a cytovirus from the black fly <i>Simulium ubiquitum</i> (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30 30	1.5	23
47	Evaluation of adaptive immune responses and heterologous protection induced by inactivated bluetongue virus vaccines. <i>Vaccine</i> , 2015, 33, 512-518.	1.7	23
48	Identification and functional analysis of VP3, the guanylyltransferase of Banna virus (genus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30 2	1.3	22
49	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
50	Evidence of seroconversion to SBV in camelids. <i>Veterinary Record</i> , 2012, 170, 603-603.	0.2	21
51	Quantifying Bluetongue Virus in Adult <i>Culicoides</i> Biting Midges (Diptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 30 18	0.9	18
52	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
53	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. <i>Virus Research</i> , 1994, 31, 149-161.	1.1	16
54	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

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55	“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
56	Characterisation and partial sequence analysis of two novel cytoviruses isolated from the winter moth <i>Operophtera brumata</i> (Lepidoptera: Geometridae). <i>Virus Genes</i> , 2007, 35, 463-471.	0.7	14
57	Sequence analysis of a reovirus isolated from the winter moth <i>Operophtera brumata</i> (Lepidoptera: Tj ETQq1 1 0.784314 rgBT /Overl Research, 2008, 135, 42-47.	1.1	13
58	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
59	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
60	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
61	Segment 10 based molecular epidemiology of bluetongue virus (BTV) isolates from Turkey: 1999“2001. <i>Virus Research</i> , 2009, 142, 134-139.	1.1	7
62	Generation of virus like particles for epizootic hemorrhagic disease virus. <i>Research in Veterinary Science</i> , 2016, 107, 116-122.	0.9	7
63	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
64	The SUMOylation pathway suppresses arbovirus replication in <i>Aedes aegypti</i> cells. <i>PLoS Pathogens</i> , 2020, 16, e1009134.	2.1	7
65	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
66	Bluetongue virus infection induces aberrant mitosis in mammalian cells. <i>Virology Journal</i> , 2013, 10, 319.	1.4	6
67	Continuous Cell Lines from the European Biting Midge <i>Culicoides nubeculosus</i> (Meigen, 1830). <i>Microorganisms</i> , 2020, 8, 825.	1.6	6
68	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
69	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
70	Serological Cross-Reactions between Expressed VP2 Proteins from Different Bluetongue Virus Serotypes. <i>Viruses</i> , 2021, 13, 1455.	1.5	5
71	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
72	Biolistic Transfection of Human Embryonic Kidney (HEK) 293 Cells. , 2013, 940, 119-132.		1

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73	Purification and Characterization of Viral dsRNA Genome Profiles by Crosshybridization. , 1998, 86, 249-260.		0
74	BTV-GLUE: a new bioinformatic resource for genomic studies of Bluetongue virus. Access Microbiology, 2019, 1, .	0.2	0