

Gorben P Pijlman

List of Publications by Year in descending order

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85
papers

4,902
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101384

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docs citations

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times ranked

5141
citing authors

#	ARTICLE	IF	CITATIONS
1	A Highly Structured, Nuclease-Resistant, Noncoding RNA Produced by Flaviviruses Is Required for Pathogenicity. <i>Cell Host and Microbe</i> , 2008, 4, 579-591.	5.1	420
2	Thirty years of baculovirus insect cell protein expression: from dark horse to mainstream technology. <i>Journal of General Virology</i> , 2015, 96, 6-23.	1.3	264
3	Noncoding Flavivirus RNA Displays RNA Interference Suppressor Activity in Insect and Mammalian Cells. <i>Journal of Virology</i> , 2012, 86, 13486-13500.	1.5	248
4	Chikungunya Virus Nonstructural Protein 2 Inhibits Type I/II Interferon-Stimulated JAK-STAT Signaling. <i>Journal of Virology</i> , 2010, 84, 10877-10887.	1.5	209
5	Role of Nonstructural Protein NS2A in Flavivirus Assembly. <i>Journal of Virology</i> , 2008, 82, 4731-4741.	1.5	195
6	West Nile virus encodes a microRNA-like small RNA in the 3' untranslated region which up-regulates GATA4 mRNA and facilitates virus replication in mosquito cells. <i>Nucleic Acids Research</i> , 2012, 40, 2210-2223.	6.5	194
7	Noncoding Subgenomic Flavivirus RNA: Multiple Functions in West Nile Virus Pathogenesis and Modulation of Host Responses. <i>Viruses</i> , 2014, 6, 404-427.	1.5	148
8	Chikungunya Virus nsP3 Blocks Stress Granule Assembly by Recruitment of G3BP into Cytoplasmic Foci. <i>Journal of Virology</i> , 2012, 86, 10873-10879.	1.5	143
9	Identification of pif-2, a third conserved baculovirus gene required for per os infection of insects. <i>Journal of General Virology</i> , 2003, 84, 2041-2049.	1.3	126
10	Effective Chikungunya Virus-like Particle Vaccine Produced in Insect Cells. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2124.	1.3	122
11	Induction and suppression of tick cell antiviral RNAi responses by tick-borne flaviviruses. <i>Nucleic Acids Research</i> , 2014, 42, 9436-9446.	6.5	118
12	Mosquito co-infection with Zika and chikungunya virus allows simultaneous transmission without affecting vector competence of <i>Aedes aegypti</i> . <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005654.	1.3	110
13	Alphavirus Infection: Host Cell Shut-Off and Inhibition of Antiviral Responses. <i>Viruses</i> , 2016, 8, 166.	1.5	104
14	Comparative Usutu and West Nile virus transmission potential by local <i>Culex pipiens</i> mosquitoes in north-western Europe. <i>One Health</i> , 2015, 1, 31-36.	1.5	103
15	Mechanism and structural diversity of exoribonuclease-resistant RNA structures in flaviviral RNAs. <i>Nature Communications</i> , 2018, 9, 119.	5.8	95
16	Pivotal Role of the Non-hr Origin of DNA Replication in the Genesis of Defective Interfering Baculoviruses. <i>Journal of Virology</i> , 2002, 76, 5605-5611.	1.5	92
17	Mosquito and <i>Drosophila</i> entomobirnaviruses suppress dsRNA- and siRNA-induced RNAi. <i>Nucleic Acids Research</i> , 2014, 42, 8732-8744.	6.5	91
18	Vector competence of northern European <i>Culex pipiens</i> biotypes and hybrids for West Nile virus is differentially affected by temperature. <i>Parasites and Vectors</i> , 2016, 9, 393.	1.0	88

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19	Functional processing and secretion of Chikungunya virus E1 and E2 glycoproteins in insect cells. <i>Virology Journal</i> , 2011, 8, 353.	1.4	85
20	Vector competence of European mosquitoes for West Nile virus. <i>Emerging Microbes and Infections</i> , 2017, 6, 1-13.	3.0	85
21	Spontaneous excision of BAC vector sequences from bacmid-derived baculovirus expression vectors upon passage in insect cells. <i>Journal of General Virology</i> , 2003, 84, 2669-2678.	1.3	84
22	<i>Autographa californica</i> Baculoviruses with Large Genomic Deletions Are Rapidly Generated in Infected Insect Cells. <i>Virology</i> , 2001, 283, 132-138.	1.1	82
23	Capsid-like particles decorated with the SARS-CoV-2 receptor-binding domain elicit strong virus neutralization activity. <i>Nature Communications</i> , 2021, 12, 324.	5.8	79
24	Mosquito Small RNA Responses to West Nile and Insect-Specific Virus Infections in <i>Aedes</i> and <i>Culex</i> Mosquito Cells. <i>Viruses</i> , 2019, 11, 271.	1.5	72
25	Kunjin virus replicons: an RNA-based, non-cytopathic viral vector system for protein production, vaccine and gene therapy applications. <i>Expert Opinion on Biological Therapy</i> , 2006, 6, 135-145.	1.4	70
26	Functional RNA during Zika virus infection. <i>Virus Research</i> , 2018, 254, 41-53.	1.1	69
27	Chikungunya virus-like particles are more immunogenic in a lethal AG129 mouse model compared to glycoprotein E1 or E2 subunits. <i>Vaccine</i> , 2013, 31, 6092-6096.	1.7	68
28	Cloning of biologically active genomes from a <i>Helicoverpa armigera</i> single-nucleocapsid nucleopolyhedrovirus isolate by using a bacterial artificial chromosome. <i>Virus Research</i> , 2003, 97, 57-63.	1.1	63
29	The C-Terminal Domain of Chikungunya Virus nsP2 Independently Governs Viral RNA Replication, Cytopathicity, and Inhibition of Interferon Signaling. <i>Journal of Virology</i> , 2013, 87, 10394-10400.	1.5	63
30	Chikungunya virus non-structural protein 2-mediated host shut-off disables the unfolded protein response. <i>Journal of General Virology</i> , 2015, 96, 580-589.	1.3	60
31	Subgenomic flavivirus RNA binds the mosquito DEAD/H-box helicase ME31B and determines Zika virus transmission by <i>Aedes aegypti</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19136-19144.	3.3	60
32	West Nile Virus: High Transmission Rate in North-Western European Mosquitoes Indicates Its Epidemic Potential and Warrants Increased Surveillance. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003956.	1.3	55
33	Arbovirus vaccines; opportunities for the baculovirus-insect cell expression system. <i>Journal of Invertebrate Pathology</i> , 2011, 107, S16-S30.	1.5	51
34	A Heritable Antiviral RNAi Response Limits Orsay Virus Infection in <i>Caenorhabditis elegans</i> N2. <i>PLoS ONE</i> , 2014, 9, e89760.	1.1	50
35	Recombinant Modified Vaccinia Virus Ankara Expressing Glycoprotein E2 of Chikungunya Virus Protects AG129 Mice against Lethal Challenge. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e3101.	1.3	45
36	Transmission of Rift Valley fever virus from European-breed lambs to <i>Culex pipiens</i> mosquitoes. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0006145.	1.3	42

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37	The Methyltransferase-Like Domain of Chikungunya Virus nsP2 Inhibits the Interferon Response by Promoting the Nuclear Export of STAT1. <i>Journal of Virology</i> , 2018, 92, .	1.5	40
38	Mosquito Rasputin interacts with chikungunya virus nsP3 and determines the infection rate in <i>Aedes albopictus</i> . <i>Parasites and Vectors</i> , 2015, 8, 464.	1.0	39
39	Evaluation of baculovirus expression vectors with enhanced stability in continuous cascaded insect-cell bioreactors. <i>Biotechnology and Bioengineering</i> , 2004, 87, 743-753.	1.7	38
40	Infectious Bronchitis Coronavirus Inhibits STAT1 Signaling and Requires Accessory Proteins for Resistance to Type I Interferon Activity. <i>Journal of Virology</i> , 2015, 89, 12047-12057.	1.5	38
41	Virus interferes with host-seeking behaviour of mosquito. <i>Journal of Experimental Biology</i> , 2017, 220, 3598-3603.	0.8	33
42	Enveloped virus-like particles as vaccines against pathogenic arboviruses. <i>Biotechnology Journal</i> , 2015, 10, 659-670.	1.8	32
43	Translation of the Flavivirus Kunjin NS3 Gene in cis but Not Its RNA Sequence or Secondary Structure Is Essential for Efficient RNA Packaging. <i>Journal of Virology</i> , 2006, 80, 11255-11264.	1.5	31
44	Stabilized baculovirus vector expressing a heterologous gene and GP64 from a single bicistronic transcript. <i>Journal of Biotechnology</i> , 2006, 123, 13-21.	1.9	30
45	The invasive Asian bush mosquito <i>Aedes japonicus</i> found in the Netherlands can experimentally transmit Zika virus and Usutu virus. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008217.	1.3	30
46	Low Temperature-Dependent Salmonid Alphavirus Glycoprotein Processing and Recombinant Virus-Like Particle Formation. <i>PLoS ONE</i> , 2011, 6, e25816.	1.1	29
47	Two-Component Nanoparticle Vaccine Displaying Glycosylated Spike S1 Domain Induces Neutralizing Antibody Response against SARS-CoV-2 Variants. <i>MBio</i> , 2021, 12, e0181321.	1.8	28
48	A Tale of 20 Alphaviruses; Inter-species Diversity and Conserved Interactions Between Viral Non-structural Protein 3 and Stress Granule Proteins. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 625711.	1.8	25
49	Salmonid alphavirus glycoprotein E2 requires low temperature and E1 for virion formation and induction of protective immunity. <i>Vaccine</i> , 2014, 32, 6206-6212.	1.7	23
50	Human to human transmission of arthropod-borne pathogens. <i>Current Opinion in Virology</i> , 2017, 22, 13-21.	2.6	22
51	Why do Individuals Differ in Viral Susceptibility? A Story Told by Model Organisms. <i>Viruses</i> , 2017, 9, 284.	1.5	22
52	Flavivirus RNAi suppression: decoding non-coding RNA. <i>Current Opinion in Virology</i> , 2014, 7, 55-60.	2.6	21
53	Competition between Usutu virus and West Nile virus during simultaneous and sequential infection of <i>Culex pipiens</i> mosquitoes. <i>Emerging Microbes and Infections</i> , 2020, 9, 2642-2652.	3.0	21
54	Impact of Gut Bacteria on the Infection and Transmission of Pathogenic Arboviruses by Biting Midges and Mosquitoes. <i>Microbial Ecology</i> , 2020, 80, 703-717.	1.4	19

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55	Salmonid alphavirus replication in mosquito cells: towards a novel vaccine production system. <i>Microbial Biotechnology</i> , 2014, 7, 480-484.	2.0	18
56	Dengue Non-coding RNA: TRIMmed for Transmission. <i>Cell Host and Microbe</i> , 2015, 18, 133-134.	5.1	18
57	Kunjin replicon-based simian immunodeficiency virus gag vaccines. <i>Vaccine</i> , 2008, 26, 3268-3276.	1.7	17
58	Conserved motifs in the hypervariable domain of chikungunya virus nsP3 required for transmission by <i>Aedes aegypti</i> mosquitoes. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006958.	1.3	17
59	Cell line-specific accumulation of the baculovirus non-hr origin of DNA replication in infected insect cells. <i>Journal of Invertebrate Pathology</i> , 2003, 84, 214-219.	1.5	16
60	Immunogenicity and protective efficacy of recombinant Modified Vaccinia virus Ankara candidate vaccines delivering West Nile virus envelope antigens. <i>Vaccine</i> , 2016, 34, 1915-1926.	1.7	16
61	Complex dynamics of defective interfering baculoviruses during serial passage in insect cells. <i>Journal of Biological Physics</i> , 2013, 39, 327-342.	0.7	15
62	Production of Chikungunya Virus-Like Particles and Subunit Vaccines in Insect Cells. <i>Methods in Molecular Biology</i> , 2016, 1426, 297-309.	0.4	15
63	Insect-Specific Flavivirus Replication in Mammalian Cells Is Inhibited by Physiological Temperature and the Zinc-Finger Antiviral Protein. <i>Viruses</i> , 2021, 13, 573.	1.5	15
64	The dinucleotide composition of the Zika virus genome is shaped by conflicting evolutionary pressures in mammalian hosts and mosquito vectors. <i>PLoS Biology</i> , 2021, 19, e3001201.	2.6	15
65	Immunogenicity in Rabbits of Virus-Like Particles from a Contemporary Rabbit Haemorrhagic Disease Virus Type 2 (Gl.2/RHDV2/b) Isolated in The Netherlands. <i>Viruses</i> , 2019, 11, 553.	1.5	14
66	Identification of <i>Spodoptera exigua</i> nucleopolyhedrovirus genes involved in pathogenicity and virulence. <i>Journal of Invertebrate Pathology</i> , 2015, 126, 43-50.	1.5	13
67	Punctuated Loci on Chromosome IV Determine Natural Variation in Orsay Virus Susceptibility of <i>Caenorhabditis elegans</i> Strains Bristol N2 and Hawaiian CB4856. <i>Journal of Virology</i> , 2021, 95, .	1.5	13
68	Function of Chikungunya Virus Structural Proteins. , 2016, , 63-74.		13
69	Relocation of the attTn7 Transgene Insertion Site in Bacmid DNA Enhances Baculovirus Genome Stability and Recombinant Protein Expression in Insect Cells. <i>Viruses</i> , 2020, 12, 1448.	1.5	11
70	A sensitive epitope-blocking ELISA for the detection of Chikungunya virus-specific antibodies in patients. <i>Journal of Virological Methods</i> , 2015, 222, 55-61.	1.0	10
71	Experimental adaptation of dengue virus 1 to <i>Aedes albopictus</i> mosquitoes by in vivo selection. <i>Scientific Reports</i> , 2020, 10, 18404.	1.6	10
72	Reverse Genetics System for Shuni Virus, an Emerging Orthobunyavirus with Zoonotic Potential. <i>Viruses</i> , 2020, 12, 455.	1.5	8

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73	Hairpin structures with conserved sequence motifs determine the 3' ends of non-polyadenylated invertebrate iridovirus transcripts. <i>Virology</i> , 2017, 511, 344-353.	1.1	7
74	Effect of blood source on vector competence of <i>Culex pipiens</i> biotypes for Usutu virus. <i>Parasites and Vectors</i> , 2021, 14, 194.	1.0	7
75	Balancing Selection of the Intracellular Pathogen Response in Natural <i>Caenorhabditis elegans</i> Populations. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 758331.	1.8	7
76	Alphavirus capsid proteins self-assemble into core-like particles in insect cells: A promising platform for nanoparticle vaccine development. <i>Biotechnology Journal</i> , 2016, 11, 266-273.	1.8	6
77	Veterinary Replicon Vaccines. <i>Annual Review of Animal Biosciences</i> , 2017, 5, 89-109.	3.6	6
78	Herpes Simplex Virus 1 Can Enter Dynamin 1 and 2 Double-Knockout Fibroblasts. <i>Journal of Virology</i> , 2019, 93, .	1.5	6
79	Heat Stress Reduces the Susceptibility of <i>Caenorhabditis elegans</i> to Orsay Virus Infection. <i>Genes</i> , 2021, 12, 1161.	1.0	6
80	Virus infection modulates male sexual behaviour in <i>Caenorhabditis elegans</i> . <i>Molecular Ecology</i> , 2021, 30, 6776-6790.	2.0	6
81	An S1-Nanoparticle Vaccine Protects against SARS-CoV-2 Challenge in K18-hACE2 Mice. <i>Journal of Virology</i> , 2022, 96, .	1.5	6
82	Forced Zika Virus Infection of <i>Culex pipiens</i> Leads to Limited Virus Accumulation in Mosquito Saliva. <i>Viruses</i> , 2020, 12, 659.	1.5	4
83	Caprine MAVS Is a RIG-I Interacting Type I Interferon Inducer Downregulated by Peste des Petits Ruminants Virus Infection. <i>Viruses</i> , 2021, 13, 409.	1.5	3
84	Secreted Trimeric Chikungunya Virus Spikes from Insect Cells: Production, Purification, and Glycosylation Status. <i>Processes</i> , 2022, 10, 162.	1.3	1
85	Chikungunya and Zika Virus Vaccines. , 2018, , 347-365.		0