

David A Theilmann

List of Publications by Year in descending order

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75
papers

2,781
citations

159525

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189801

50
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75
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75
docs citations

75
times ranked

1516
citing authors

#	ARTICLE	IF	CITATIONS
1	Horizontally transmitted parasitoid killing factor shapes insect defense to parasitoids. <i>Science</i> , 2021, 373, 535-541.	6.0	23
2	ICTV Virus Taxonomy Profile: Nudiviridae. <i>Journal of General Virology</i> , 2020, 101, 3-4.	1.3	19
3	The C-termini of the baculovirus per os infectivity factors 1 and 2 mediate ODV oral infectivity by facilitating the binding of PIF0 and PIF8 to the core of the entry complex. <i>Journal of General Virology</i> , 2020, 101, 553-564.	1.3	1
4	The complete genome sequence of a second alphabaculovirus from the true armyworm, <i>Mythimna unipuncta</i> : implications for baculovirus phylogeny and host specificity. <i>Virus Genes</i> , 2019, 55, 104-116.	0.7	3
5	Proteomics analysis of <i>Trichoplusia ni</i> midgut epithelial cell brush border membrane vesicles. <i>Insect Science</i> , 2019, 26, 424-440.	1.5	26
6	<i>Autographa californica</i> Nucleopolyhedrovirus AC141 (Exon0), a Potential E3 Ubiquitin Ligase, Interacts with Viral Ubiquitin and AC66 To Facilitate Nucleocapsid Egress. <i>Journal of Virology</i> , 2018, 92, .	1.5	14
7	The complete genome sequence of a third distinct baculovirus isolated from the true armyworm, <i>Mythimna unipuncta</i> , contains two copies of the <i>lef-7</i> gene. <i>Virus Genes</i> , 2018, 54, 297-310.	0.7	14
8	Baculovirus Entry and Egress from Insect Cells. <i>Annual Review of Virology</i> , 2018, 5, 113-139.	3.0	116
9	ICTV Virus Taxonomy Profile: Baculoviridae. <i>Journal of General Virology</i> , 2018, 99, 1185-1186.	1.3	101
10	<i>Autographa californica</i> Multiple Nucleopolyhedrovirus AC83 is a <i>Per Os</i> Infectivity Factor (PIF) Protein Required for Occlusion-Derived Virus (ODV) and Budded Virus Nucleocapsid Assembly as well as Assembly of the PIF Complex in ODV Envelopes. <i>Journal of Virology</i> , 2017, 91, .	1.5	80
11	The Complete Genome Sequence of a Second Distinct Betabaculovirus from the True Armyworm, <i>Mythimna unipuncta</i> . <i>PLoS ONE</i> , 2017, 12, e0170510.	1.1	16
12	<i>Lacanobia oleracea</i> nucleopolyhedrovirus (LaolNPV): A new European species of alphabaculovirus with a narrow host range. <i>PLoS ONE</i> , 2017, 12, e0176171.	1.1	4
13	Baculoviruses require an intact ODV entry-complex to resist proteolytic degradation of per os infectivity factors by co-occluded proteases from the larval host. <i>Journal of General Virology</i> , 2017, 98, 3101-3110.	1.3	21
14	MacoNPV baculovirus midgut-specific gene expression during infection of the bertha armyworm, <i>Mamestra configurata</i> . <i>Virology</i> , 2016, 499, 1-8.	1.1	2
15	Microscopic investigation of AcMNPV infection in the <i>Trichoplusia ni</i> midgut. <i>Journal of Invertebrate Pathology</i> , 2016, 141, 24-33.	1.5	6
16	A novel mechanism for nuclear import by actin-based propulsion used by the baculovirus nucleocapsid. <i>Journal of Cell Science</i> , 2016, 129, 2905-11.	1.2	21
17	<i>Trichoplusia ni</i> Kinesin-1 Associates with <i>Autographa californica</i> Multiple Nucleopolyhedrovirus Nucleocapsid Proteins and Is Required for Production of Budded Virus. <i>Journal of Virology</i> , 2016, 90, 3480-3495.	1.5	14
18	Nuclear Translocation Sequence and Region in <i>Autographa californica</i> Multiple Nucleopolyhedrovirus ME53 That Are Important for Optimal Baculovirus Production. <i>Journal of Virology</i> , 2016, 90, 3953-3965.	1.5	5

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19	A Distinct Group II Alphabaculovirus Isolated from a <i>Peridroma</i> Species. <i>Genome Announcements</i> , 2015, 3, .	0.8	2
20	Genome Sequence of an Alphabaculovirus Isolated from the Oak Looper, <i>Lambdina fiscellaria</i> , Contains a Putative 2-Kilobase-Pair Transposable Element Encoding a Transposase and a FLYWCH Domain-Containing Protein. <i>Genome Announcements</i> , 2015, 3, .	0.8	4
21	Genome Sequence of an Alphabaculovirus Isolated from <i>Choristoneura murinana</i> . <i>Genome Announcements</i> , 2014, 2, .	0.8	4
22	<i>Mamestra configurata</i> nucleopolyhedrovirus-A transcriptome from infected host midgut. <i>Virus Genes</i> , 2014, 48, 174-183.	0.7	6
23	Defining the roles of the baculovirus regulatory proteins IE0 and IE1 in genome replication and early gene transactivation. <i>Virology</i> , 2014, 468-470, 160-171.	1.1	7
24	The genome of a baculovirus isolated from <i>Hemileuca</i> sp. encodes a serpin ortholog. <i>Virus Genes</i> , 2013, 47, 357-364.	0.7	17
25	Analysis of the <i>Autographa californica</i> Multiple Nucleopolyhedrovirus Overlapping Gene Pair <i>lef3</i> and <i>ac68</i> Reveals that AC68 Is a <i>Per Os</i> Infectivity Factor and that LEF3 Is Critical, but Not Essential, for Virus Replication. <i>Journal of Virology</i> , 2012, 86, 3985-3994.	1.5	48
26	Characterization of Novel Components of the Baculovirus <i>Per Os</i> Infectivity Factor Complex. <i>Journal of Virology</i> , 2012, 86, 4981-4988.	1.5	78
27	Role of enhancin in <i>Mamestra configurata</i> nucleopolyhedrovirus virulence: selective degradation of host peritrophic matrix proteins. <i>Journal of General Virology</i> , 2012, 93, 744-753.	1.3	39
28	Deletion of AcMNPV ac146 eliminates the production of budded virus. <i>Virology</i> , 2012, 431, 29-39.	1.1	15
29	<i>Autographa californica</i> multiple nucleopolyhedrovirus core gene ac92 (p33) is required for efficient budded virus production. <i>Virology</i> , 2011, 409, 38-45.	1.1	21
30	Immediate-Early Protein ME53 Forms Foci and Colocalizes with GP64 and the Major Capsid Protein VP39 at the Cell Membranes of <i>Autographa californica</i> Multiple Nucleopolyhedrovirus-Infected Cells. <i>Journal of Virology</i> , 2011, 85, 9696-9707.	1.5	15
31	Deletion of AcMNPV AC16 and AC17 results in delayed viral gene expression in budded virus infected cells but not transfected cells. <i>Virology</i> , 2010, 404, 168-179.	1.1	18
32	<i>Autographa californica</i> Multiple Nucleopolyhedrovirus Core Gene <i>ac96</i> Encodes a <i>Per Os</i> Infectivity Factor (<i>pif-4</i>). <i>Journal of Virology</i> , 2009, 83, 12569-12578.	1.5	86
33	<i>Autographa californica</i> Multiple Nucleopolyhedrovirus <i>me53</i> (<i>ac140</i>) Is a Nonessential Gene Required for Efficient Budded-Virus Production. <i>Journal of Virology</i> , 2009, 83, 7440-7448.	1.5	22
34	AcMNPV AC16 (DA26, BV/ODV-E26) regulates the levels of IE0 and IE1 and binds to both proteins via a domain located within the acidic transcriptional activation domain. <i>Virology</i> , 2009, 385, 484-495.	1.1	26
35	AcMNPV EXONO (AC141) which is required for the efficient egress of budded virus nucleocapsids interacts with β -tubulin. <i>Virology</i> , 2009, 385, 496-504.	1.1	33
36	Deletion of the AcMNPV core gene ac109 results in budded virions that are non-infectious. <i>Virology</i> , 2009, 389, 66-74.	1.1	22

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37	<i>Autographa californica</i> multiple nucleopolyhedrovirus ac142, a core gene that is essential for BV production and ODV envelopment. <i>Virology</i> , 2008, 372, 325-339.	1.1	61
38	Identification of AcMNPV EXON0 (ac141) domains required for efficient production of budded virus, dimerization and association with BV/ODV-C42 and FP25. <i>Virology</i> , 2008, 375, 265-276.	1.1	12
39	AcMNPV ac143 (odv-e18) is essential for mediating budded virus production and is the 30th baculovirus core gene. <i>Virology</i> , 2008, 375, 277-291.	1.1	62
40	<i>Autographa californica</i> Multiple Nucleopolyhedrovirus EXON0 (ORF141) Is Required for Efficient Egress of Nucleocapsids from the Nucleus. <i>Journal of Virology</i> , 2007, 81, 9859-9869.	1.5	64
41	Characterization of baculovirus isolates from <i>Trichoplusia ni</i> populations from vegetable greenhouses. <i>Biological Control</i> , 2007, 41, 256-263.	1.4	38
42	Corrigendum to "Sequence analysis of the complete genome of <i>Trichoplusia ni</i> single nucleopolyhedrovirus and the identification of a baculoviral photolyase gene" [<i>Virology</i> 338 (2005) 209-226]. <i>Virology</i> , 2006, 344, 560.	1.1	0
43	Analysis of the temporal expression of <i>Trichoplusia ni</i> single nucleopolyhedrovirus genes following transfection of BT1-Tn-5B1-4 cells. <i>Virology</i> , 2006, 354, 154-166.	1.1	4
44	Sequence analysis of the complete genome of <i>Trichoplusia ni</i> single nucleopolyhedrovirus and the identification of a baculoviral photolyase gene. <i>Virology</i> , 2005, 338, 209-226.	1.1	71
45	Complete comparative genomic analysis of two field isolates of <i>Mamestra configurata</i> nucleopolyhedrovirus-A. <i>Journal of General Virology</i> , 2005, 86, 91-105.	1.3	51
46	The <i>Autographa californica</i> Multiple Nucleopolyhedrovirus ie0 - ie1 Gene Complex Is Essential for Wild-Type Virus Replication, but either IE0 or IE1 Can Support Virus Growth. <i>Journal of Virology</i> , 2005, 79, 4619-4629.	1.5	60
47	Tight transcriptional regulation of foreign genes in insect cells using an ecdysone receptor-based inducible system. <i>Protein Expression and Purification</i> , 2005, 42, 236-245.	0.6	8
48	The acidic activation domains of the baculovirus transactivators IE1 and IE0 are functional for transcriptional activation in both insect and mammalian cells. <i>Journal of General Virology</i> , 2004, 85, 573-582.	1.3	22
49	<i>Autographa californica</i> Multiple Nucleopolyhedrovirus exon0 (orf141), Which Encodes a RING Finger Protein, Is Required for Efficient Production of Budded Virus. <i>Journal of Virology</i> , 2004, 78, 9633-9644.	1.5	56
50	Role of AcMNPV IE0 in baculovirus very late gene activation. <i>Virology</i> , 2004, 323, 120-130.	1.1	21
51	Analysis of the Insect OS-D-Like Gene Family. <i>Journal of Chemical Ecology</i> , 2004, 30, 889-911.	0.9	160
52	Deletion of pe38 attenuates AcMNPV genome replication, budded virus production, and virulence in <i>Heliothis virescens</i> . <i>Virology</i> , 2003, 310, 224-234.	1.1	42
53	Nucleopolyhedroviruses of forest and western tent caterpillars: cross-infectivity and evidence for activation of latent virus in high-density field populations. <i>Ecological Entomology</i> , 2003, 28, 41-50.	1.1	55
54	Characterization of <i>Mamestra configurata</i> nucleopolyhedrovirus enhancin and its functional analysis via expression in an <i>Autographa californica</i> M nucleopolyhedrovirus recombinant. <i>Journal of General Virology</i> , 2003, 84, 123-132.	1.3	37

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55	The Acidic Activation Domain of the Baculovirus Transactivator IE1 Contains a Virus-Specific Domain Essential for DNA Replication. <i>Journal of Virology</i> , 2002, 76, 5598-5604.	1.5	23
56	Sequence and Organization of the Mamestra configurata Nucleopolyhedrovirus Genome. <i>Virology</i> , 2002, 294, 106-121.	1.1	105
57	Identification and Genomic Analysis of a Second Species of Nucleopolyhedrovirus Isolated from Mamestra configurata. <i>Virology</i> , 2002, 297, 226-244.	1.1	94
58	Analysis of sequences involved in IE2 transactivation of a baculovirus immediate-early gene promoter and identification of a new regulatory motif. <i>Virus Research</i> , 2001, 75, 13-28.	1.1	11
59	The Baculovirus Transcriptional Transactivator ie0 Produces Multiple Products by Internal Initiation of Translation. <i>Virology</i> , 2001, 290, 211-223.	1.1	22
60	Recombinant and Wild-Type Nucleopolyhedroviruses are Equally Fit in Mixed Infections. <i>Environmental Entomology</i> , 2001, 30, 972-981.	0.7	12
61	Serial Selection for Resistance to a Wild-Type and to a Genetically Modified Nucleopolyhedrovirus in <i>Trichoplusia ni</i> . <i>Biological Control</i> , 2000, 19, 283-289.	1.4	5
62	Differences in the Expression and Localization of Human Melanotransferrin in Lepidopteran and Dipteran Insect Cell Lines. <i>Protein Expression and Purification</i> , 1999, 15, 296-307.	0.6	19
63	Characterization of the Acidic Domain of the IE1 Regulatory Protein from <i>Orgyia pseudotsugata</i> Multicapsid Nucleopolyhedrovirus. <i>Virology</i> , 1998, 252, 65-81.	1.1	19
64	A series of broad host range shuttle vectors for constitutive and inducible expression of heterologous proteins in insect cell lines. <i>Gene</i> , 1998, 207, 241-249.	1.0	58
65	4-Coumarate:Coenzyme A Ligase in Hybrid Poplar 1. <i>Plant Physiology</i> , 1998, 116, 743-754.	2.3	116
66	Baculovirus immediate-early promoter-mediated expression of the Zeocin [®] resistance gene for use as a dominant selectable marker in Dipteran and Lepidopteran insect cell lines. <i>Gene</i> , 1997, 188, 183-190.	1.0	93
67	Characterization of a Unique OpMNPV-Specific Early Gene Not Required for Viral Infection in Tissue Culture. <i>Virology</i> , 1997, 227, 447-459.	1.1	10
68	Characterization of a Highly Conserved Baculovirus Structural Protein That Is Specific for Occlusion-Derived Virions. <i>Virology</i> , 1996, 218, 148-158.	1.1	45
69	Expression of poplar phenylalanine ammonia-lyase in insect cell cultures. <i>Phytochemistry</i> , 1996, 41, 1259-1263.	1.4	18
70	Identification of a Granulosis Virus Associated with Mortality in the Blackheaded Fireworm, <i>Rhopobota naevana</i> (Häbner) (Lepidoptera, Tortricidae). <i>Journal of Invertebrate Pathology</i> , 1995, 66, 209-211.	1.5	1
71	Molecular analysis of the trans-activating IE-2 gene of <i>Orgyia pseudotsugata</i> multicapsid nuclear polyhedrosis virus. <i>Virology</i> , 1992, 187, 84-96.	1.1	116
72	Tandemly repeated sequence at the 3' end of the IE-2 gene of the baculovirus <i>Orgyia pseudotsugata</i> multicapsid nuclear polyhedrosis virus is an enhancer element. <i>Virology</i> , 1992, 187, 97-106.	1.1	97

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73	Segment W of Campoletis sonorensis virus: Expression, gene products, and organization. <i>Virology</i> , 1989, 169, 78-89.	1.1	65
74	Identification and comparison of Campoletis sonorensis virus transcripts expressed from four genomic segments in the insect hosts Campoletis sonorensis and Heliothis virescens. <i>Virology</i> , 1988, 167, 329-341.	1.1	21
75	Physical Analysis of the Campoletis sonorensis Virus Multipartite Genome and Identification of a Family of Tandemly Repeated Elements. <i>Journal of Virology</i> , 1987, 61, 2589-2598.	1.5	58