

# David A Theilmann

## List of Publications by Year in descending order

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75  
papers

2,781  
citations

159585

30  
h-index

189892

50  
g-index

75  
all docs

75  
docs citations

75  
times ranked

1516  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of the Insect OS-D-Like Gene Family. <i>Journal of Chemical Ecology</i> , 2004, 30, 889-911.	1.8	160
2	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.	2.4	116
3	4-Coumarate:Coenzyme A Ligase in Hybrid Poplar1. <i>Plant Physiology</i> , 1998, 116, 743-754.	4.8	116
4	Baculovirus Entry and Egress from Insect Cells. <i>Annual Review of Virology</i> , 2018, 5, 113-139.	6.7	116
5	Sequence and Organization of the <i>Mamestra configurata</i> Nucleopolyhedrovirus Genome. <i>Virology</i> , 2002, 294, 106-121.	2.4	105
6	ICTV Virus Taxonomy Profile: Baculoviridae. <i>Journal of General Virology</i> , 2018, 99, 1185-1186.	2.9	101
7	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.	2.4	97
8	Identification and Genomic Analysis of a Second Species of Nucleopolyhedrovirus Isolated from <i>Mamestra configurata</i> . <i>Virology</i> , 2002, 297, 226-244.	2.4	94
9	Baculovirus immediate-early promoter-mediated expression of the Zeocin <sup>®</sup> resistance gene for use as a dominant selectable marker in Dipteran and Lepidopteran insect cell lines. <i>Gene</i> , 1997, 188, 183-190.	2.2	93
10	<i>Autographa californica</i> Multiple Nucleopolyhedrovirus Core Gene <i>ac96</i> Encodes a Per Os Infectivity Factor ( <i>pif-4</i> ). <i>Journal of Virology</i> , 2009, 83, 12569-12578.	3.4	86
11	<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, .	3.4	80
12	Characterization of Novel Components of the Baculovirus <i>Per Os</i> Infectivity Factor Complex. <i>Journal of Virology</i> , 2012, 86, 4981-4988.	3.4	78
13	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.	2.4	71
14	Segment W of <i>Campoletis sonorensis</i> virus: Expression, gene products, and organization. <i>Virology</i> , 1989, 169, 78-89.	2.4	65
15	<i>Autographa californica</i> Multiple Nucleopolyhedrovirus EXONO (ORF141) Is Required for Efficient Egress of Nucleocapsids from the Nucleus. <i>Journal of Virology</i> , 2007, 81, 9859-9869.	3.4	64
16	AcMNPV <i>ac143</i> ( <i>odv-e18</i> ) is essential for mediating budded virus production and is the 30th baculovirus core gene. <i>Virology</i> , 2008, 375, 277-291.	2.4	62
17	<i>Autographa californica</i> multiple nucleopolyhedrovirus <i>ac142</i> , a core gene that is essential for BV production and ODV envelopment. <i>Virology</i> , 2008, 372, 325-339.	2.4	61
18	The <i>Autographa californica</i> Multiple Nucleopolyhedrovirus <i>ie0</i> - <i>ie1</i> Gene Complex Is Essential for Wild-Type Virus Replication, but either <i>IE0</i> or <i>IE1</i> Can Support Virus Growth. <i>Journal of Virology</i> , 2005, 79, 4619-4629.	3.4	60

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19	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.	2.2	58
20	Physical Analysis of the <i>Campoletis sonorensis</i> Virus Multipartite Genome and Identification of a Family of Tandemly Repeated Elements. <i>Journal of Virology</i> , 1987, 61, 2589-2598.	3.4	58
21	<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.	3.4	56
22	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.	2.2	55
23	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.	2.9	51
24	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.	3.4	48
25	Characterization of a Highly Conserved Baculovirus Structural Protein That Is Specific for Occlusion-Derived Virions. <i>Virology</i> , 1996, 218, 148-158.	2.4	45
26	Deletion of <i>pe38</i> attenuates AcMNPV genome replication, budded virus production, and virulence in <i>Heliothis virescens</i> . <i>Virology</i> , 2003, 310, 224-234.	2.4	42
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.	2.9	39
28	Characterization of baculovirus isolates from <i>Trichoplusia ni</i> populations from vegetable greenhouses. <i>Biological Control</i> , 2007, 41, 256-263.	3.0	38
29	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.	2.9	37
30	AcMNPV EXON0 (AC141) which is required for the efficient egress of budded virus nucleocapsids interacts with $\beta$ -tubulin. <i>Virology</i> , 2009, 385, 496-504.	2.4	33
31	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.	2.4	26
32	Proteomics analysis of <i>Trichoplusia ni</i> midgut epithelial cell brush border membrane vesicles. <i>Insect Science</i> , 2019, 26, 424-440.	3.0	26
33	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.	3.4	23
34	Horizontally transmitted parasitoid killing factor shapes insect defense to parasitoids. <i>Science</i> , 2021, 373, 535-541.	12.6	23
35	The Baculovirus Transcriptional Transactivator <i>ie0</i> Produces Multiple Products by Internal Initiation of Translation. <i>Virology</i> , 2001, 290, 211-223.	2.4	22
36	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.	2.9	22

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37	<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.	3.4	22
38	Deletion of the AcMNPV core gene <i>ac109</i> results in budded virions that are non-infectious. <i>Virology</i> , 2009, 389, 66-74.	2.4	22
39	Identification and comparison of <i>Campoletis sonorensis</i> virus transcripts expressed from four genomic segments in the insect hosts <i>Campoletis sonorensis</i> and <i>Heliothis virescens</i> . <i>Virology</i> , 1988, 167, 329-341.	2.4	21
40	Role of AcMNPV IE0 in baculovirus very late gene activation. <i>Virology</i> , 2004, 323, 120-130.	2.4	21
41	<i>Autographa californica</i> multiple nucleopolyhedrovirus core gene <i>ac92</i> (p33) is required for efficient budded virus production. <i>Virology</i> , 2011, 409, 38-45.	2.4	21
42	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.	2.0	21
43	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.	2.9	21
44	Characterization of the Acidic Domain of the IE1 Regulatory Protein from <i>Orgyia pseudotsugata</i> Multicapsid Nucleopolyhedrovirus. <i>Virology</i> , 1998, 252, 65-81.	2.4	19
45	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.	1.3	19
46	ICTV Virus Taxonomy Profile: Nudiviridae. <i>Journal of General Virology</i> , 2020, 101, 3-4.	2.9	19
47	Expression of poplar phenylalanine ammonia-lyase in insect cell cultures. <i>Phytochemistry</i> , 1996, 41, 1259-1263.	2.9	18
48	Deletion of AcMNPV <i>AC16</i> and <i>AC17</i> results in delayed viral gene expression in budded virus infected cells but not transfected cells. <i>Virology</i> , 2010, 404, 168-179.	2.4	18
49	The genome of a baculovirus isolated from <i>Hemileuca</i> sp. encodes a serpin ortholog. <i>Virus Genes</i> , 2013, 47, 357-364.	1.6	17
50	The Complete Genome Sequence of a Second Distinct Betabaculovirus from the True Armyworm, <i>Mythimna unipuncta</i> . <i>PLoS ONE</i> , 2017, 12, e0170510.	2.5	16
51	Immediate-Early Protein <i>ME53</i> Forms Foci and Colocalizes with <i>GP64</i> and the Major Capsid Protein <i>VP39</i> at the Cell Membranes of <i>Autographa californica</i> Multiple Nucleopolyhedrovirus-Infected Cells. <i>Journal of Virology</i> , 2011, 85, 9696-9707.	3.4	15
52	Deletion of AcMNPV <i>ac146</i> eliminates the production of budded virus. <i>Virology</i> , 2012, 431, 29-39.	2.4	15
53	<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.	3.4	14
54	<i>Autographa californica</i> Nucleopolyhedrovirus <i>AC141</i> (Exon0), a Potential E3 Ubiquitin Ligase, Interacts with Viral Ubiquitin and <i>AC66</i> To Facilitate Nucleocapsid Egress. <i>Journal of Virology</i> , 2018, 92, .	3.4	14

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55	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.	1.6	14
56	Recombinant and Wild-Type Nucleopolyhedroviruses are Equally Fit in Mixed Infections. <i>Environmental Entomology</i> , 2001, 30, 972-981.	1.4	12
57	Identification of AcMNPV EXONO ( <i>ac141</i> ) domains required for efficient production of budded virus, dimerization and association with BV/ODV-C42 and FP25. <i>Virology</i> , 2008, 375, 265-276.	2.4	12
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.	2.2	11
59	Characterization of a Unique OpMNPV-Specific Early Gene Not Required for Viral Infection in Tissue Culture. <i>Virology</i> , 1997, 227, 447-459.	2.4	10
60	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.	1.3	8
61	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.	2.4	7
62	<i>Mamestra configurata</i> nucleopolyhedrovirus-A transcriptome from infected host midgut. <i>Virus Genes</i> , 2014, 48, 174-183.	1.6	6
63	Microscopic investigation of AcMNPV infection in the <i>Trichoplusia ni</i> midgut. <i>Journal of Invertebrate Pathology</i> , 2016, 141, 24-33.	3.2	6
64	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.	3.0	5
65	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.	3.4	5
66	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.	2.4	4
67	Genome Sequence of an Alphabaculovirus Isolated from <i>Choristoneura murinana</i> . <i>Genome Announcements</i> , 2014, 2, .	0.8	4
68	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
69	<i>Lacanobia oleracea</i> nucleopolyhedrovirus (LaolNPV): A new European species of alphabaculovirus with a narrow host range. <i>PLoS ONE</i> , 2017, 12, e0176171.	2.5	4
70	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.	1.6	3
71	A Distinct Group II Alphabaculovirus Isolated from a <i>Peridroma</i> Species. <i>Genome Announcements</i> , 2015, 3, .	0.8	2
72	MacoNPV baculovirus midgut-specific gene expression during infection of the bertha armyworm, <i>Mamestra configurata</i> . <i>Virology</i> , 2016, 499, 1-8.	2.4	2

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73	Identification of a Granulosis Virus Associated with Mortality in the Blackheaded Fireworm, <i>Rhopobota naevana</i> (H&A1/4bner) (Lepidoptera, Tortricidae). <i>Journal of Invertebrate Pathology</i> , 1995, 66, 209-211.	3.2	1
74	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.	2.9	1
75	Corrigendum to "Sequence analysis of the complete genome of <i>Trichoplusia ni</i> single nucleopolyhedrovirus and the identification of a baculoviral photolyase gene" [Virology 338 (2005) 209-226]. <i>Virology</i> , 2006, 344, 560.	2.4	0