Primitivo Caballero

List of Publications by Year
in descending order

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159 papers	4,506 citations	117625 34 h-index	149698 56 g-index
159 all docs	159 docs citations	159 times ranked	2393 citing authors

#	Article	IF	Citations
1	Bacillus thuringiensis Toxins: An Overview of Their Biocidal Activity. Toxins, 2014, 6, 3296-3325.	3.4	561
2	Fitness consequences of cannibalism in the fall armyworm, Spodoptera frugiperda. Behavioral Ecology, 1999, 10, 298-303.	2.2	115
3	Defective or effective? Mutualistic interactions between virus genotypes. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 2249-2255.	2.6	102
4	Does cannibalism in Spodoptera frugiperda (Lepidoptera: Noctuidae) reduce the risk of predation?. Behavioral Ecology and Sociobiology, 2000, 48, 321-327.	1.4	100
5	Selection of a Nucleopolyhedrovirus for Control of Spodoptera frugiperda (Lepidoptera: Noctuidae): Structural, Genetic, and Biological Comparison of Four Isolates from the Americas. Journal of Economic Entomology, 1999, 92, 1079-1085.	1.8	91
6	Age-related cannibalism and horizontal transmission of a nuclear polyhedrosis virus in larval Spodoptera frugiperda. Ecological Entomology, 1999, 24, 268-275.	2.2	91
7	Covert Infection of Insects by Baculoviruses. Frontiers in Microbiology, 2017, 8, 1337.	3.5	86
8	Biochemical and biological characterization of four isolates of Spodoptera exigua nuclear polyhedrosis virus. Biocontrol Science and Technology, 1992, 2, 145-157.	1.3	85
9	Genetic Structure of a Spodoptera frugiperda Nucleopolyhedrovirus Population: High Prevalence of Deletion Genotypes. Applied and Environmental Microbiology, 2004, 70, 5579-5588.	3.1	85
10	Naturally Occurring Deletion Mutants Are Parasitic Genotypes in a Wild-Type Nucleopolyhedrovirus Population ofSpodoptera exigua. Applied and Environmental Microbiology, 1998, 64, 4372-4377.	3.1	85
11	A screening of five Bacillus thuringiensis Vip3A proteins for their activity against lepidopteran pests. Journal of Invertebrate Pathology, 2014, 117, 51-55.	3.2	69
12	Four genotypic variants of a Spodoptera exigua Nucleopolyhedrovirus (Se-SP2) are distinguishable by a hypervariable genomic region. Virus Research, 1999, 59, 61-74.	2.2	68
13	Environmental Distribution and Diversity of Bacillus thuringiensis in Spain. Systematic and Applied Microbiology, 1998, 21, 97-106.	2.8	62
14	Spodoptera frugiperda multiple nucleopolyhedrovirus as a potential biological insecticide: Genetic and phenotypic comparison of field isolates from Colombia. Biological Control, 2011, 58, 113-120.	3.0	59
15	Evaluation of a Baculovirus Bioinsecticide for Small-Scale Maize Growers in Latin America. Biological Control, 1999, 14, 67-75.	3.0	56
16	Nucleotide sequence and transcriptional analysis of the p10 gene of Spodoptera exigua nuclear polyhedrosis virus. Journal of General Virology, 1993, 74, 1017-1024.	2.9	53
17	Dynamics of deletion genotypes in an experimental insect virus population. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 783-790.	2.6	51
18	Efficacy ofSpodoptera exiguamultiple nucleopolyhedrovirus as a biological insecticide for beet armyworm control in greenhouses of southern Spain. Biocontrol Science and Technology, 2007, 17, 221-232.	1.3	51

#	Article	IF	Citations
19	Natural populations of Spodoptera exigua are infected by multiple viruses that are transmitted to their offspring. Journal of Invertebrate Pathology, 2014, 122, 22-27.	3.2	51
20	Functional Importance of Deletion Mutant Genotypes in an Insect Nucleopolyhedrovirus Population. Applied and Environmental Microbiology, 2005, 71, 4254-4262.	3.1	50
21	Impact of a Nucleopolyhedrovirus Bioinsecticide and Selected Synthetic Insecticides on the Abundance of Insect Natural Enemies on Maize in Southern Mexico. Journal of Economic Entomology, 2003, 96, 649-661.	1.8	48
22	Mixed genotype transmission bodies and virions contribute to the maintenance of diversity in an insect virus. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 943-951.	2.6	48
23	A Simplified Low-Cost Diet for Rearing <I>Spodoptera exigua</I> (Lepidoptera: Noctuidae) and Its Effect on <I>S. exigua</I> Nucleopolyhedrovirus Production. Journal of Economic Entomology, 2010, 103, 17-24.	1.8	47
24	Insecticidal Activity of Bacillus thuringiensis Proteins against Coleopteran Pests. Toxins, 2020, 12, 430.	3.4	46
25	Molecular and insecticidal characterization of a Bacillus thuringiensis strain isolated during a natural epizootic. Journal of Applied Microbiology, 2000, 89, 309-316.	3.1	44
26	Molecular and Insecticidal Characterization of a Cry1I Protein Toxic to Insects of the Families Noctuidae, Tortricidae, Plutellidae, and Chrysomelidae. Applied and Environmental Microbiology, 2006, 72, 4796-4804.	3.1	44
27	Isolation and Characterization of Bacillus thuringiensis Strains from Aquatic Environments in Spain. Current Microbiology, 2000, 40, 402-408.	2.2	42
28	Efficacy of optical brightener formulations of Spodoptera exigua multiple nucleopolyhedrovirus (SeMNPV) as a biological insecticide in greenhouses in southern Spain. Biological Control, 2007, 40, 89-96.	3.0	42
29	Potential for Bacillus thuringiensis and Other Bacterial Toxins as Biological Control Agents to Combat Dipteran Pests of Medical and Agronomic Importance. Toxins, 2020, 12, 773.	3.4	42
30	Population genetic structure determines speed of kill and occlusion body production in Spodoptera frugiperda multiple nucleopolyhedrovirus. Biological Control, 2008, 44, 321-330.	3.0	40
31	Contents of cry genes and insecticidal toxicity of Bacillus thuringiensis strains from terrestrial and aquatic habitats. Journal of Applied Microbiology, 2002, 92, 745-752.	3.1	39
32	Molecular and Insecticidal Characterization of a Novel Cry-Related Protein from Bacillus Thuringiensis Toxic against Myzus persicae. Toxins, 2014, 6, 3144-3156.	3.4	39
33	Interactions between Cry1Ac, Cry2Ab, and Cry1Fa Bacillus thuringiensis toxins in the cotton pests Helicoverpa armigera (HÃ¼bner) and Earias insulana (Boisduval). Biological Control, 2008, 47, 89-96.	3.0	38
34	Sequence comparison between three geographically distinct Spodoptera frugiperda multiple nucleopolyhedrovirus isolates: Detecting positively selected genes. Journal of Invertebrate Pathology, 2011, 107, 33-42.	3.2	38
35	Occlusion body pathogenicity, virulence and productivity traits vary with transmission strategy in a nucleopolyhedrovirus. Biological Control, 2011, 56, 184-192.	3.0	36
36	The Vip3Ag4 Insecticidal Protoxin from Bacillus thuringiensis Adopts A Tetrameric Configuration That Is Maintained on Proteolysis. Toxins, 2017, 9, 165.	3.4	36

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37	Is It Feasible to Use Optical Brightener Technology with a Baculovirus Bioinsecticide for Resource-Poor Maize Farmers in Mesoamerica?. Biological Control, 2000, 17, 174-181.	3.0	35
38	Parasitoidâ€"Pathogenâ€"Pest Interactions of Chelonus insularis, Campoletis sonorensis, and a Nucleopolyhedrovirus in Spodoptera frugiperda Larvae. Biological Control, 2000, 19, 265-273.	3.0	34
39	Formulation of a Nucleopolyhedrovirus with Boric Acid for Control of Spodoptera frugiperda (Lepidoptera: Noctuidae) in Maize. Biological Control, 2002, 23, 87-95.	3.0	34
40	Analysis of a naturally-occurring deletion mutant of Spodoptera frugiperda multiple nucleopolyhedrovirus reveals sf58 as a new per os infectivity factor of lepidopteran-infecting baculoviruses. Journal of Invertebrate Pathology, 2012, 109, 117-126.	3.2	34
41	Juvenile Hormone Analog Technology: Effects on Larval Cannibalism and the Production of <I>Spodoptera exigua</I> (Lepidoptera: Noctuidae) Nucleopolyhedrovirus. Journal of Economic Entomology, 2010, 103, 577-582.	1.8	33
42	Vip3C, a Novel Class of Vegetative Insecticidal Proteins from Bacillus thuringiensis. Applied and Environmental Microbiology, 2012, 78, 7163-7165.	3.1	33
43	Parasitization of granulosisâ€virus infected and noninfected <i>Agrotis segetum</i> larvae and the virus transmission by three hymenopteran parasitoids. Entomologia Experimentalis Et Applicata, 1991, 58, 55-60.	1.4	32
44	Persistence and Effects of Parasitic Genotypes in a Mixed Population of the Spodoptera exigua Nucleopolyhedrovirus. Biological Control, 2000, 19, 259-264.	3.0	32
45	Intra- and Intergenerational Persistence of an Insect Nucleopolyhedrovirus: Adverse Effects of Sublethal Disease on Host Development, Reproduction, and Susceptibility to Superinfection. Applied and Environmental Microbiology, 2011, 77, 2954-2960.	3.1	32
46	Screening of vip genes from a Spanish Bacillus thuringiensis collection and characterization of two Vip3 proteins highly toxic to five lepidopteran crop pests. Biological Control, 2013, 66, 141-149.	3.0	31
47	Virus entry or the primary infection cycle are not the principal determinants of host specificity of Spodoptera spp. nucleopolyhedroviruses. Journal of General Virology, 2004, 85, 2845-2855.	2.9	30
48	Use of Bacillus thuringiensis Toxins for Control of the Cotton Pest Earias insulana (Boisd.) (Lepidoptera: Noctuidae). Applied and Environmental Microbiology, 2006, 72, 437-442.	3.1	30
49	Insecticidal spectrum and mode of action of the Bacillus thuringiensis Vip3Ca insecticidal protein. Journal of Invertebrate Pathology, 2017, 142, 60-67.	3.2	30
50	Iflavirus increases its infectivity and physical stability in association with baculovirus. PeerJ, 2016, 4, e1687.	2.0	30
51	Effect of weeds on insect pests of maize and their natural enemies in Southern Mexico. International Journal of Pest Management, 2003, 49, 155-161.	1.8	29
52	Genomic diversity in European Spodoptera exigua multiple nucleopolyhedrovirus isolates. Journal of General Virology, 2014, 95, 2297-2309.	2.9	29
53	Superinfection Exclusion in Alphabaculovirus Infections Is Concomitant with Actin Reorganization. Journal of Virology, 2014, 88, 3548-3556.	3.4	29
54	Diversity of Iberian nucleopolyhedrovirus wild-type isolates infecting Helicoverpa armigera (Lepidoptera: Noctuidae). Biological Control, 2009, 50, 43-49.	3.0	28

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55	Simultaneous occurrence of covert infections with small RNA viruses in the lepidopteran Spodoptera exigua. Journal of Invertebrate Pathology, 2014, 121, 56-63.	3.2	28
56	Genetic and phenotypic variability in Spodoptera exigua nucleopolyhedrovirus isolates from greenhouse soils in southern Spain. Biological Control, 2006, 38, 157-165.	3.0	27
57	<i>Sf29</i> Gene of <i>Spodoptera frugiperda</i> Multiple Nucleopolyhedrovirus Is a Viral Factor That Determines the Number of Virions in Occlusion Bodies. Journal of Virology, 2008, 82, 7897-7904.	3.4	27
58	Efficacy of a Spanish strain of <i>Agrotis segetum</i> granulosis virus (Baculoviridae) against <i>Agrotis segetum</i> Schiff. (Lep., Noctuidae) on corn. Journal of Applied Entomology, 1991, 112, 59-64.	1.8	26
59	Epizootics caused by a nuclear polyhedrosis virus in populations ofspodoptera exiguain southern Spain. Biocontrol Science and Technology, 1992, 2, 35-38.	1.3	26
60	Co-infection with iflaviruses influences the insecticidal properties of Spodoptera exigua multiple nucleopolyhedrovirus occlusion bodies: Implications for the production and biosecurity of baculovirus insecticides. PLoS ONE, 2017, 12, e0177301.	2.5	26
61	The potential of Chrysoperla rufilabris and Doru taeniatum as agents for dispersal of Spodoptera frugiperda nucleopolyhedrovirus in maize. Entomologia Experimentalis Et Applicata, 2001, 98, 353-359.	1.4	25
62	Association analysis between serotype, cry gene content, and toxicity to Helicoverpa armigera larvae among Bacillus thuringiensis isolates native to Spain. Journal of Invertebrate Pathology, 2005, 90, 91-97.	3.2	25
63	Mixtures of Complete and<i>pif1</i>- and<i>pif2</i>-Deficient Genotypes Are Required for Increased Potency of an Insect Nucleopolyhedrovirus. Journal of Virology, 2009, 83, 5127-5136.	3.4	24
64	Draft Genome Sequences of Two Bacillus thuringiensis Strains and Characterization of a Putative 41.9-kDa Insecticidal Toxin. Toxins, 2014, 6, 1490-1504.	3.4	24
65	Juvenile hormone analogs greatly increase the production of a nucleopolyhedrovirus. Biological Control, 2007, 41, 389-396.	3.0	23
66	Selection of a nucleopolyhedrovirus isolate from<i>Helicoverpa armigera</i>as the basis for a biological insecticide. Pest Management Science, 2014, 70, 967-976.	3.4	23
67	Effect of optical brighteners on the insecticidal activity of a nucleopolyhedrovirus in three instars of Spodoptera frugiperda. Entomologia Experimentalis Et Applicata, 2003, 109, 139-146.	1.4	22
68	Potential of Cry10Aa and Cyt2Ba, Two Minority Î´-endotoxins Produced by Bacillus thuringiensis ser. israelensis, for the Control of Aedes aegypti Larvae. Toxins, 2020, 12, 355.	3.4	22
69	Identification and characterization of the new Bacillus thuringiensis serovars pirenaica (serotype) Tj ETQq1 1 0.784314 rgBT /Overlock 1	3.1	21
70	Effect of Tinopal LPW on the Insecticidal Properties and Genetic Stability of the Nucleopolyhedrovirus of Spodoptera exigua (Lepidoptera: Noctuidae). Journal of Economic Entomology, 2003, 96, 1668-1674.	1.8	20
71	Effect of Tinopal LPW on the Insecticidal Properties and Genetic Stability of the Nucleopolyhedrovirus of <I>Spodoptera exigua</I> (Lepidoptera: Noctuidae). Journal of Economic Entomology, 2003, 96, 1668-1674.	1.8	20
72	Potential of the Bacillus thuringiensis Toxin Reservoir for the Control of Lobesia botrana (Lepidoptera: Tortricidae), a Major Pest of Grape Plants. Applied and Environmental Microbiology, 2007, 73, 337-340.	3.1	20

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73	Dose dependency of time to death in single and mixed infections with a wildtype and egt deletion strain of Helicoverpa armigera nucleopolyhedrovirus. Journal of Invertebrate Pathology, 2010, 104, 44-50.	3.2	20
74	Host range and gene contents ofBacillus thuringiensisstrains toxic towardsSpodoptera exigua. Entomologia Experimentalis Et Applicata, 2000, 97, 339-346.	1.4	19
75	Host range and biological activity of three Spodoptera nucleopolyhedrovirus genotypic variants and the effect of Tinopal LPW on the most active variant. International Journal of Pest Management, 2003, 49, 147-153.	1.8	19
76	Insecticidal Properties and Microbial Contaminants in a Spodoptera exigua Multiple Nucleopolyhedrovirus (Baculoviridae) Formulation Stored at Different Temperatures. Journal of Economic Entomology, 2008, 101, 42-49.	1.8	19
77	Deletion Genotypes Reduce Occlusion Body Potency but Increase Occlusion Body Production in a Colombian Spodoptera frugiperda Nucleopolyhedrovirus Population. PLoS ONE, 2013, 8, e77271.	2.5	19
78	Expression of a Peroral Infection Factor Determines Pathogenicity and Population Structure in an Insect Virus. PLoS ONE, 2013, 8, e78834.	2.5	19
79	Unraveling the Composition of Insecticidal Crystal Proteins in Bacillus thuringiensis: a Proteomics Approach. Applied and Environmental Microbiology, 2020, 86, .	3.1	19
80	Consequences of Interspecific Competition on the Virulence and Genetic Composition of a Nucleopolyhedrovirus in Spodoptera frugiperda Larvae Parasitized by Chelonus insularis. Biocontrol Science and Technology, 2001, 11, 649-662.	1.3	18
81	Correlation between serovars of Bacillus thuringiensis and type I Î²-exotoxin production. Journal of Invertebrate Pathology, 2003, 82, 57-62.	3.2	18
82	Insecticidal Properties and Microbial Contaminants in a <I>Spodoptera exigua</I> Multiple Nucleopolyhedrovirus (Baculoviridae) Formulation Stored at Different Temperatures. Journal of Economic Entomology, 2008, 101, 42-49.	1.8	18
83	Gender-Mediated Differences in Vertical Transmission of a Nucleopolyhedrovirus. PLoS ONE, 2013, 8, e70932.	2.5	18
84	Susceptibility of parasitized Agrotis segetum larvae to a granulosis virus. Journal of Invertebrate Pathology, 1990, 56, 128-131.	3.2	17
85	Deletion of egt is responsible for the fast-killing phenotype of natural deletion genotypes in a Spodoptera frugiperda multiple nucleopolyhedrovirus population. Journal of Invertebrate Pathology, 2012, 111, 260-263.	3.2	17
86	A Chrysodeixis chalcites Single-Nucleocapsid Nucleopolyhedrovirus Population from the Canary Islands Is Genotypically Structured To Maximize Survival. Applied and Environmental Microbiology, 2013, 79, 7709-7718.	3.1	17
87	A Novel Binary Mixture of Helicoverpa armigera Single Nucleopolyhedrovirus Genotypic Variants Has Improved Insecticidal Characteristics for Control of Cotton Bollworms. Applied and Environmental Microbiology, 2015, 81, 3984-3993.	3.1	17
88	Biochemical identification and comparative insecticidal activity of nucleopolyhedrovirus isolates pathogenic forHeliothis armigera(Lep., Noctuidae) larvae. Journal of Applied Entomology, 1999, 123, 165-169.	1.8	16
89	Characterization of Bacillus thuringiensis ser. balearica (Serotype H48) and ser. navarrensis (Serotype) Tj ETQq1 1 0.784314 rgBT /Ov	2.2	16
90	Characterization of a Bacillus thuringiensis strain with a broad spectrum of activity against lepidopteran insects. Entomologia Experimentalis Et Applicata, 2004, 111, 71-77.	1.4	16

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91	Application of the PCRâ€“RFLP method for the rapid differentiation of Spodoptera exigua nucleopolyhedrovirus genotypes. Journal of Virological Methods, 2006, 135, 1-8.	2.1	16
92	A native variant of Chrysodeixis chalcites nucleopolyhedrovirus: The basis for a promising bioinsecticide for control of C. chalcites on Canary Islandsâ€™ banana crops. Biological Control, 2013, 67, 101-110.	3.0	16
93	Insecticidal efficacy and persistence of a coâ€occluded binary mixture of <i>Helicoverpa armigera</i> nucleopolyhedrovirus (<scp>HearNPV</scp>) variants in protected and fieldâ€grown tomato crops on the Iberian Peninsula. Pest Management Science, 2016, 72, 660-670.	3.4	16
94	A Strain of Bacillus thuringiensis Containing a Novel cry7Aa2 Gene that Is Toxic to Leptinotarsa decemlineata (Say) (Coleoptera: Chrysomelidae). Insects, 2019, 10, 259.	2.2	16
95	Domain Shuffling between Vip3Aa and Vip3Ca: Chimera Stability and Insecticidal Activity against European, American, African, and Asian Pests. Toxins, 2020, 12, 99.	3.4	16
96	Iflavirus Covert Infection Increases Susceptibility to Nucleopolyhedrovirus Disease in Spodoptera exigua. Viruses, 2020, 12, 509.	3.3	15
97	Nucleopolyhedrovirus Coocclusion Technology: A New Concept in the Development of Biological Insecticides. Frontiers in Microbiology, 2021, 12, 810026.	3.5	15
98	Effects of Acp26 on in vitro and in vivo productivity, pathogenesis and virulence of Autographa californica multiple nucleopolyhedrovirus. Virus Research, 2008, 136, 202-205.	2.2	14
99	Development ofApanteles telengai(Hym., Braconidae) andCampoletis annulata(Hym., Ichneumonidae) in granulosis virus (GV) infectedAgrotis segetum(Lep., Noctuidae) larvae. Journal of Applied Entomology, 1990, 110, 358-364.	1.8	13
100	Effects of stilbene optical brighteners on the insecticidal activity of Bacillus thuringiensis and a single nucleopolyhedrovirus on Helicoverpa armigera. Biological Control, 2008, 47, 322-327.	3.0	13
101	Costa Rican soils contain highly insecticidal granulovirus strains against <i>Phthorimaea operculella</i> and <i>Tecia solanivora</i>. Journal of Applied Entomology, 2012, 136, 530-538.	1.8	13
102	Encapsulation of the Bacillus thuringiensis secretable toxins Vip3Aa and Cry1Ia in Pseudomonas fluorescens. Biological Control, 2013, 66, 159-165.	3.0	13
103	Identification of Spodoptera exigua nucleopolyhedrovirus genes involved in pathogenicity and virulence. Journal of Invertebrate Pathology, 2015, 126, 43-50.	3.2	13
104	Chrysodeixis chalcites, a pest of banana crops on the Canary Islands: Incidence, economic losses and current control measures. Crop Protection, 2018, 108, 137-145.	2.1	13
105	Effect of parasitism on a nucleopolyhedrovirus amplified inSpodoptera frugiperdalarvae parasitized byCampoletis sonorensis. Entomologia Experimentalis Et Applicata, 2000, 97, 257-264.	1.4	12
106	Physical and Partial Genetic Map of Spodoptera frugiperda Nucleopolyhedrovirus (SfMNPV) Genome. Virus Genes, 2005, 30, 403-417.	1.6	12
107	Abundance and genetic structure of nucleopolyhedrovirus populations in greenhouse substrate reservoirs. Biological Control, 2007, 42, 216-225.	3.0	12
108	Synergy of Lepidopteran Nucleopolyhedroviruses AcMNPV and SpliNPV with Insecticides. Insects, 2020, 11, 316.	2.2	12

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109	Characterization ofBacillus thuringiensisserovarbolivia(serotype H63), a novel serovar isolated from the Bolivian high valleys. Letters in Applied Microbiology, 1999, 28, 440-444.	2.2	11
110	Nucleotide sequence and transcriptional analysis of the pif gene of Spodoptera frugiperda nucleopolyhedrovirus (SfMNPV). Virus Research, 2005, 108, 213-220.	2.2	11
111	The attractiveness of phagostimulant formulations of a nucleopolyhedrovirus-based insecticide depends on prior insect diet. Journal of Pest Science, 2009, 82, 247-250.	3.7	11
112	Efficacy of an alphabaculovirus-based biological insecticide for control of<i>Chrysodeixis chalcites</i>(Lepidoptera: Noctuidae) on tomato and banana crops. Pest Management Science, 2015, 71, 1623-1630.	3.4	11
113	Phenotypic characteristics and relative proportions of three genotypic variants isolated from a nucleopolyhedrovirus ofSpodoptera exigua. Entomologia Experimentalis Et Applicata, 2000, 97, 275-282.	1.4	10
114	Effects of an optical brightener on the development, body weight and sex ratio ofSpodoptera frugiperda(Lepidoptera: Noctuidae). Biocontrol Science and Technology, 2004, 14, 193-200.	1.3	10
115	Interactions between an ectoparasitoid and a nucleopolyhedrovirus when simultaneously attacking <i>Spodoptera exigua</i> (Lepidoptera: Noctuidae). Journal of Applied Entomology, 2012, 136, 596-604.	1.8	10
116	Determinant Factors in the Production of a Co-Occluded Binary Mixture of Helicoverpa armigera Alphabaculovirus (HearNPV) Genotypes with Desirable Insecticidal Characteristics. PLoS ONE, 2016, 11, e0164486.	2.5	10
117	Quantification of dose-mortality responses in adult Diptera: Validation using Ceratitis capitata and Drosophila suzukii responses to spinosad. PLoS ONE, 2019, 14, e0210545.	2.5	10
118	Formulation with an Optical Brightener Does Not Increase Probability of Developing Resistance to Spodoptera frugiperda Nucleopolyhedrovirus in the Laboratory. Journal of Economic Entomology, 2004, 97, 1202-1208.	1.8	9
119	Characterization of a Costa Rican granulovirus strain highly pathogenic against its indigenous hosts, Phthorimaea operculella and Tecia solanivora. Entomologia Experimentalis Et Applicata, 2011, 140, 238-246.	1.4	9
120	Stageâ€specific insecticidal characteristics of a nucleopolyhedrovirus isolate from <i>Chrysodeixisâ€‰chalcites</i> enhanced by optical brighteners. Pest Management Science, 2014, 70, 798-804.	3.4	9
121	Analagous Population Structures for Two Alphabaculoviruses Highlight a Functional Role for Deletion Mutants. Applied and Environmental Microbiology, 2013, 79, 1118-1125.	3.1	8
122	The â€œ11Kâ€•gene family members sf68, sf95 and sf138 modulate transmissibility and insecticidal properties of Spodoptera frugiperda multiple nucleopolyhedrovirus. Journal of Invertebrate Pathology, 2015, 127, 101-109.	3.2	8
123	Chemical and biological stress factors on the activation of nucleopolyhedrovirus infections in covertly infected <i>Spodoptera exigua</i>. Journal of Applied Entomology, 2017, 141, 384-392.	1.8	8
124	Study of the Bacillus thuringiensis Cry1Ia Protein Oligomerization Promoted by Midgut Brush Border Membrane Vesicles of Lepidopteran and Coleopteran Insects, or Cultured Insect Cells. Toxins, 2020, 12, 133.	3.4	8
125	Optical Brighteners Do Not Influence Covert Baculovirus Infection of Spodoptera frugiperda. Applied and Environmental Microbiology, 2005, 71, 1668-1670.	3.1	7
126	Granulovirus formulations efficiently protect stored and field potatoes from Phthorimaea operculella and Tecia solanivora in Costa Rica. BioControl, 2013, 58, 215-224.	2.0	7

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127	Insecticidal Characteristics of Two Commercial <I>Spodoptera exigua</I> Nucleopolyhedrovirus Strains Produced on Different Host Colonies. Journal of Economic Entomology, 2013, 106, 50-56.	1.8	7
128	Genomic Sequences of Five Helicoverpa armigera Nucleopolyhedrovirus Genotypes from Spain That Differ in Their Insecticidal Properties. Genome Announcements, 2015, 3, .	0.8	7
129	<i>Anticarsia gemmatalis</i>Nucleopolyhedrovirus from Soybean Crops in Tamaulipas, Mexico: Diversity and Insecticidal Characteristics of Individual Variants and their Co-Occluded Mixtures. Florida Entomologist, 2018, 101, 404-410.	0.5	7
130	Mixtures of Insect-Pathogenic Viruses in a Single Virion: towards the Development of Custom-Designed Insecticides. Applied and Environmental Microbiology, 2021, 87, .	3.1	7
131	Occurrence, Biological Activity, and Host Range of Entomopoxvirus B from Ocnogyna baetica (Lepidoptera: Arctiidae). Journal of Invertebrate Pathology, 1994, 63, 130-134.	3.2	6
132	Entry into midgut epithelial cells is a key step in the selection of genotypes in a nucleopolyhedrovirus. Virologica Sinica, 2009, 24, 350-358.	3.0	6
133	Stability of a <i>Spodoptera frugiperda</i> Nucleopolyhedrovirus Deletion Recombinant during Serial Passage in Insects. Applied and Environmental Microbiology, 2010, 76, 803-809.	3.1	6
134	Chrysodeixis chalcites nucleopolyhedrovirus (ChchNPV): Natural occurrence and efficacy as a biological insecticide on young banana plants in greenhouse and open-field conditions on the Canary Islands. PLoS ONE, 2017, 12, e0181384.	2.5	6
135	Remarkably efficient production of a highly insecticidal Chrysodeixis chalcites nucleopolyhedrovirus (ChchNPV) isolate in its homologous host. Pest Management Science, 2018, 74, 1586-1592.	3.4	6
136	Coping with Environmental Eukaryotes; Identification of Pseudomonas syringae Genes during the Interaction with Alternative Hosts or Predators. Microorganisms, 2018, 6, 32.	3.6	6
137	Genetic Variation and Biological Activity of Two Closely Related Alphabaculoviruses during Serial Passage in Permissive and Semi-Permissive Heterologous Hosts. Viruses, 2019, 11, 660.	3.3	6
138	Genetic Variability of Chrysodeixis Includens Nucleopolyhedrovirus (ChinNPV) and the Insecticidal Characteristics of Selected Genotypic Variants. Viruses, 2019, 11, 581.	3.3	6
139	The sf32 Unique Gene of Spodoptera frugiperda Multiple Nucleopolyhedrovirus (SfMNPV) Is a Non-Essential Gene That Could Be Involved in Nucleocapsid Organization in Occlusion-Derived Virions. PLoS ONE, 2013, 8, e77683.	2.5	6
140	Draft Genome Sequence of Bacillus thuringiensis Serovar Tolworthi Strain Na205-3, an Isolate Toxic for Helicoverpa armigera. Genome Announcements, 2014, 2, .	0.8	5
141	Bacillus toyonensis biovar Thuringiensis: A novel entomopathogen with insecticidal activity against lepidopteran and coleopteran pests. Biological Control, 2022, 167, 104838.	3.0	5
142	A Newly Described Baculovirus (Subgroup B) from Ocnogyna baetica (Rambur) (Lepidoptera: Arctiidae) in Southern Spain. Journal of Invertebrate Pathology, 1994, 63, 31-36.	3.2	4
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