Alejandra Bravo

List of Publications by Year
in descending order

191 papers	12,341 citations	30070 54 h-index	28297 105 g-index
199 all docs	199 docs citations	199 times ranked	4878 citing authors

#	Article	IF	Citations
1	Adoption of Bacillus thuringiensis-based biopesticides in agricultural systems and new approaches to improve their use in Brazil. Biological Control, 2022, 165, 104792.	3.0	19
2	MAPK-mediated transcription factor GATAd contributes to Cry1Ac resistance in diamondback moth by reducing PxmALP expression. PLoS Genetics, 2022, 18, e1010037.	3.5	23
3	A versatile contribution of both aminopeptidases N and ABC transporters to Bt Cry1Ac toxicity in the diamondback moth. BMC Biology, 2022, 20, 33.	3.8	26
4	Bacillus thuringiensis Cry1Ac Protoxin and Activated Toxin Exert Differential Toxicity Due to a Synergistic Interplay of Cadherin with ABCC Transporters in the Cotton Bollworm. Applied and Environmental Microbiology, 2022, 88, e0250521.	3.1	11
5	Two <scp>ABC</scp> transporters are differentially involved in the toxicity of two <scp><i>Bacillus thuringiensis</i></scp> Cry1 toxins to the invasive cropâ€pest <scp><i>Spodoptera frugiperda</i></scp> (J. E. Smith). Pest Management Science, 2021, 77, 1492-1501.	3.4	36
6	Nutrient conditions determine the localization of <i>Bacillus thuringiensis</i> Vip3Aa protein in the mother cell compartment. Microbial Biotechnology, 2021, 14, 551-560.	4.2	12
7	Bacillus thuringiensis Cry1Ab Domain III Î²-16 Is Involved in Binding to Prohibitin, Which Correlates with Toxicity against Helicoverpa armigera (Lepidoptera: Noctuidae). Applied and Environmental Microbiology, 2021, 87, .	3.1	3
8	Bacillus thuringiensis cry toxin triggers autophagy activity that may enhance cell death. Pesticide Biochemistry and Physiology, 2021, 171, 104728.	3.6	7
9	In vivo nanoscale analysis of the dynamic synergistic interaction of Bacillus thuringiensis Cry11Aa and Cyt1Aa toxins in Aedes aegypti. PLoS Pathogens, 2021, 17, e1009199.	4.7	12
10	Systemic mitochondrial disruption is a key event in the toxicity of bacterial poreâ€forming toxins to <scp><i>Caenorhabditis elegans</i></scp>. Environmental Microbiology, 2021, 23, 4896-4907.	3.8	3
11	Encapsulation Strategies for <i>Bacillus thuringiensis</i>: From Now to the Future. Journal of Agricultural and Food Chemistry, 2021, 69, 4564-4577.	5.2	34
12	Rapid spread of a densovirus in a major crop pest following wide-scale adoption of Bt-cotton in China. ELife, 2021, 10, .	6.0	6
13	Bacterial Toxins Active against Mosquitoes: Mode of Action and Resistance. Toxins, 2021, 13, 523.	3.4	46
14	SfABCC2 transporter extracellular loops 2 and 4 are responsible for the Cry1Fa insecticidal specificity against Spodoptera frugiperda. Insect Biochemistry and Molecular Biology, 2021, 135, 103608.	2.7	9
15	The regulation landscape of MAPK signaling cascade for thwarting Bacillus thuringiensis infection in an insect host. PLoS Pathogens, 2021, 17, e1009917.	4.7	37
16	Synergistic resistance of Helicoverpa armigera to Bt toxins linked to cadherin and ABC transporters mutations. Insect Biochemistry and Molecular Biology, 2021, 137, 103635.	2.7	13
17	Whole Genome Sequencing Analysis of Bacillus thuringiensis GR007 Reveals Multiple Pesticidal Protein Genes. Frontiers in Microbiology, 2021, 12, 758314.	3.5	5
18	Comprehensive analysis of Cry1Ac protoxin activation mediated by midgut proteases in susceptible and resistant Plutella xylostella (L.). Pesticide Biochemistry and Physiology, 2020, 163, 23-30.	3.6	17

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19	GATAe transcription factor is involved in Bacillus thuringiensis Cry1Ac toxin receptor gene expression inducing toxin susceptibility. Insect Biochemistry and Molecular Biology, 2020, 118, 103306.	2.7	15
20	Identification of Cry1Ah-binding proteins through pull down and gene expression analysis in Cry1Ah-resistant and susceptible strains of Ostrinia furnacalis. Pesticide Biochemistry and Physiology, 2020, 163, 200-208.	3.6	11
21	Characterization of Two Novel Bacillus thuringiensis Cry8 Toxins Reveal Differential Specificity of Protoxins or Activated Toxins against Chrysomeloidea Coleopteran Superfamily. Toxins, 2020, 12, 642.	3.4	5
22	Coexistence of <i>cry9</i> with the <i>vip3A</i> Gene in an Identical Plasmid of <i>Bacillus thuringiensis</i> Indicates Their Synergistic Insecticidal Toxicity. Journal of Agricultural and Food Chemistry, 2020, 68, 14081-14090.	5.2	6
23	Rearrangement of N-Terminal Î±-Helices of Bacillus thuringiensis Cry1Ab Toxin Essential for Oligomer Assembly and Toxicity. Toxins, 2020, 12, 647.	3.4	4
24	Bacillus thuringiensis Cry1Ab Domain III Î²-22 Mutants with Enhanced Toxicity to Spodoptera frugiperda (J. E. Smith). Applied and Environmental Microbiology, 2020, 86, .	3.1	4
25	The Cyt1Aa toxin from Bacillus thuringiensis inserts into target membranes via different mechanisms in insects, red blood cells, and lipid liposomes. Journal of Biological Chemistry, 2020, 295, 9606-9617.	3.4	5
26	The Cadherin Protein Is Not Involved in Susceptibility to Bacillus thuringiensis Cry1Ab or Cry1Fa Toxins in Spodoptera frugiperda. Toxins, 2020, 12, 375.	3.4	20
27	Oligomerization is a key step for Bacillus thuringiensis Cyt1Aa insecticidal activity but not for toxicity against red blood cells. Insect Biochemistry and Molecular Biology, 2020, 119, 103317.	2.7	10
28	Reduced Expression of a Novel Midgut Trypsin Gene Involved in Protoxin Activation Correlates with Cry1Ac Resistance in a Laboratory-Selected Strain of Plutella xylostella (L.). Toxins, 2020, 12, 76.	3.4	19
29	Functional <i>Bacillus thuringiensis</i> Cyt1Aa Is Necessary To Synergize <i>Lysinibacillus sphaericus</i> Binary Toxin (Bin) against Bin-Resistant and -Refractory Mosquito Species. Applied and Environmental Microbiology, 2020, 86, .	3.1	12
30	The Cadherin Cry1Ac Binding-Region is Necessary for the Cooperative Effect with ABCC2 Transporter Enhancing Insecticidal Activity of Bacillus thuringiensis Cry1Ac Toxin. Toxins, 2019, 11, 538.	3.4	18
31	Insect Hsp90 Chaperone Assists Bacillus thuringiensis Cry Toxicity by Enhancing Protoxin Binding to the Receptor and by Protecting Protoxin from Gut Protease Degradation. MBio, 2019, 10, .	4.1	12
32	<i>Bacillus thuringiensis</i> targets the host intestinal epithelial junctions for successful infection of <i>Caenorhabditis elegans</i>. Environmental Microbiology, 2019, 21, 1086-1098.	3.8	16
33	Cell lines as models for the study of Cry toxins from Bacillus thuringiensis. Insect Biochemistry and Molecular Biology, 2018, 93, 66-78.	2.7	15
34	Characterization of the Cry1Ah resistance in Asian corn Borer and its cross-resistance to other Bacillus thuringiensis toxins. Scientific Reports, 2018, 8, 234.	3.3	31
35	Engineering Bacillus thuringiensis Cyt1Aa toxin specificity from dipteran to lepidopteran toxicity. Scientific Reports, 2018, 8, 4989.	3.3	27
36	Cry64Ba and Cry64Ca, Two ETX/MTX2-Type Bacillus thuringiensis Insecticidal Proteins Active against Hemipteran Pests. Applied and Environmental Microbiology, 2018, 84, .	3.1	27

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37	Susceptible and mCry3A resistant corn rootworm larvae killed by a non-hemolytic Bacillus thuringiensis Cyt1Aa mutant. Scientific Reports, 2018, 8, 17805.	3.3	9
38	Identification of midgut membrane proteins from different instars of Helicoverpa armigera (Lepidoptera: Noctuidae) that bind to Cry1Ac toxin. PLoS ONE, 2018, 13, e0207789.	2.5	15
39	The C-terminal protoxin region of Bacillus thuringiensis Cry1Ab toxin has a functional role in binding to GPI-anchored receptors in the insect midgut. Journal of Biological Chemistry, 2018, 293, 20263-20272.	3.4	31
40	A single amino acid polymorphism in ABCC2 loop 1 is responsible for differential toxicity of Bacillus thuringiensis Cry1Ac toxin in different Spodoptera (Noctuidae) species. Insect Biochemistry and Molecular Biology, 2018, 100, 59-65.	2.7	33
41	Spodoptera frugiperda (J. E. Smith) Aminopeptidase N1 Is a Functional Receptor of the Bacillus thuringiensis Cry1Ca Toxin. Applied and Environmental Microbiology, 2018, 84, .	3.1	12
42	Bacillus Thuringiensis : Mechanisms and Use â˜†. , 2018, , .		5
43	Helix Î±-3 inter-molecular salt bridges and conformational changes are essential for toxicity of Bacillus thuringiensis 3D-Cry toxin family. Scientific Reports, 2018, 8, 10331.	3.3	13
44	Evaluation of the Impact of Genetically Modified Cotton After 20 Years of Cultivation in Mexico. Frontiers in Bioengineering and Biotechnology, 2018, 6, 82.	4.1	46
45	Systematic characterization of Bacillus Genetic Stock Center Bacillus thuringiensis strains using Multi-Locus Sequence Typing. Journal of Invertebrate Pathology, 2018, 155, 5-13.	3.2	6
46	Enhancement of Bacillus thuringiensis Cry1Ab and Cry1Fa Toxicity to Spodoptera frugiperda by Domain III Mutations Indicates There Are Two Limiting Steps in Toxicity as Defined by Receptor Binding and Protein Stability. Applied and Environmental Microbiology, 2018, 84, .	3.1	18
47	Specific binding between Bacillus thuringiensis Cry9Aa and Vip3Aa toxins synergizes their toxicity against Asiatic rice borer (Chilo suppressalis). Journal of Biological Chemistry, 2018, 293, 11447-11458.	3.4	33
48	Mode of Action of Cry Toxins from Bacillus thuringiensis and Resistance Mechanisms. Toxinology, 2018, , 15-27.	0.2	12
49	A Single Point Mutation Resulting in Cadherin Mislocalization Underpins Resistance against Bacillus thuringiensis Toxin in Cotton Bollworm. Journal of Biological Chemistry, 2017, 292, 2933-2943.	3.4	39
50	Identification of Aminopeptidase-N2 as a Cry2Ab binding protein in Manduca sexta. Peptides, 2017, 98, 93-98.	2.4	15
51	Holotrichia oblita Midgut Proteins That Bind to Bacillus thuringiensis Cry8-Like Toxin and Assembly of the H. oblita Midgut Tissue Transcriptome. Applied and Environmental Microbiology, 2017, 83, .	3.1	10
52	Insecticidal Proteins from Bacillus thuringiensis and Their Mechanism of Action. , 2017, , 53-66.		30
53	Insecticidal Specificity of Cry1Ah to Helicoverpa armigera Is Determined by Binding of APN1 via Domain II Loops 2 and 3. Applied and Environmental Microbiology, 2017, 83, .	3.1	14
54	Identification of Bacillus thuringiensis Cry1AbMod binding-proteins from Spodoptera frugiperda. Peptides, 2017, 98, 99-105.	2.4	5

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55	FOXA transcriptional factor modulates insect susceptibility to Bacillus thuringiensis Cry1Ac toxin by regulating the expression of toxin-receptor ABCC2 and ABCC3 genes. Insect Biochemistry and Molecular Biology, 2017, 88, 1-11.	2.7	33
56	ABCC2 is associated with Bacillus thuringiensis Cry1Ac toxin oligomerization and membrane insertion in diamondback moth. Scientific Reports, 2017, 7, 2386.	3.3	49
57	An Intramolecular Salt Bridge in Bacillus thuringiensis Cry4Ba Toxin Is Involved in the Stability of Helix Î±-3, Which Is Needed for Oligomerization and Insecticidal Activity. Applied and Environmental Microbiology, 2017, 83, .	3.1	9
58	Transgenic cotton co-expressing chimeric Vip3AcAa and Cry1Ac confers effective protection against Cry1Ac-resistant cotton bollworm. Transgenic Research, 2017, 26, 763-774.	2.4	13
59	Toxicity of Cry1A toxins from Bacillus thuringiensis to CF1 cells does not involve activation of adenylate cyclase/PKA signaling pathway. Insect Biochemistry and Molecular Biology, 2017, 80, 21-31.	2.7	27
60	Identification of a Bacillus thuringiensis Surface Layer Protein with Cytotoxic Activity against MDA-MB-231 Breast Cancer Cells. Journal of Microbiology and Biotechnology, 2017, 27, 36-42.	2.1	4
61	Addendum: Bedoya-PÃ©rez, L.P. et al. Role of UPR Pathway in Defense Response of Aedes aegypti against Cry11Aa Toxin from Bacillus thuringiensis. Int. J. Mol. Sci. 2013, 14, 8467â€“8478. International Journal of Molecular Sciences, 2016, 17, 2021.	4.1	0
62	Genetic Basis of Cry1F-Resistance in a Laboratory Selected Asian Corn Borer Strain and Its Cross-Resistance to Other Bacillus thuringiensis Toxins. PLoS ONE, 2016, 11, e0161189.	2.5	28
63	Resistance to Bacillus thuringiensis Mediated by an ABC Transporter Mutation Increases Susceptibility to Toxins from Other Bacteria in an Invasive Insect. PLoS Pathogens, 2016, 12, e1005450.	4.7	45
64	Oligomerization of Cry9Aa in solution without receptor binding, is not related with insecticidal activity. Electronic Journal of Biotechnology, 2016, 21, 54-57.	2.2	3
65	Molecular Cloning, Expression, and Identification ofBreGenes Involved in Glycosphingolipids Synthesis inHelicoverpa armigera(Lepidoptera: Noctuidae). Journal of Economic Entomology, 2016, 109, 1415-1423.	1.8	2
66	Identification of ABCC2 as a binding protein of Cry1Ac onÂbrush border membrane vesicles from<i>Helicoverpa armigera</i>by an improved pullâ€down assay. MicrobiologyOpen, 2016, 5, 659-669.	3.0	34
67	Identification of an alkaline phosphatase as a putative Cry1Ac binding protein in Ostrinia furnacalis (GuenÃ©e). Pesticide Biochemistry and Physiology, 2016, 131, 80-86.	3.6	9
68	Mode of Action of Cry Toxins from Bacillus thuringiensis and Resistance Mechanisms. , 2016, , 1-13.		7
69	Mitochondrial markers to distinguish Spodoptera frugiperda populations associated with corn and cotton crops. Pesquisa Agropecuaria Brasileira, 2016, 51, 692-696.	0.9	2
70	Dual mode of action of Bt proteins: protoxin efficacy against resistant insects. Scientific Reports, 2015, 5, 15107.	3.3	59
71	Improvement and efficient display of Bacillus thuringiensis toxins on M13 phages and ribosomes. AMB Express, 2015, 5, 73.	3.0	6
72	Transcriptional cellular responses in midgut tissue of Aedes aegypti larvae following intoxication with Cry11Aa toxin from Bacillus thuringiensis. BMC Genomics, 2015, 16, 1042.	2.8	24

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73	Evidence of Field-Evolved Resistance of Spodoptera frugiperda to Bt Corn Expressing Cry1F in Brazil That Is Still Sensitive to Modified Bt Toxins. PLoS ONE, 2015, 10, e0119544.	2.5	89
74	Binding and Oligomerization of Modified and Native Bt Toxins in Resistant and Susceptible Pink Bollworm. PLoS ONE, 2015, 10, e0144086.	2.5	19
75	Mechanism of action of Bacillus thuringiensis insecticidal toxins and their use in the control of insect pests. , 2015, , 858-873.		9
76	Bacillus thuringiensis Cry1AbMod toxin counters tolerance associated with low cadherin expression but not that associated with low alkaline phosphatase expression in Manduca sexta. Peptides, 2015, 68, 130-133.	2.4	7
77	Identification of Bacillus thuringiensis Cry3Aa toxin domain II loop 1 as the binding site of Tenebrio molitor cadherin repeat CR12. Insect Biochemistry and Molecular Biology, 2015, 59, 50-57.	2.7	9
78	Assembling of Holotrichia parallela (dark black chafer) midgut tissue transcriptome and identification of midgut proteins that bind to Cry8Ea toxin from Bacillus thuringiensis. Applied Microbiology and Biotechnology, 2015, 99, 7209-7218.	3.6	19
79	Nitric oxide participates in the toxicity of Bacillus thuringiensis Cry1Ab toxin to kill Manduca sexta larvae. Peptides, 2015, 68, 134-139.	2.4	5
80	Variability of Bacillus thuringiensis Strains by ERIC-PCR and Biofilm Formation. Current Microbiology, 2015, 70, 10-18.	2.2	7
81	Toxicity and mode of action of insecticidal Cry1A proteins from Bacillus thuringiensis in an insect cell line, CF-1. Peptides, 2014, 53, 292-299.	2.4	13
82	<i>Bacillus thuringiensis</i> Cry1A toxins are versatile proteins with multiple modes of action: two distinct pre-pores are involved in toxicity. Biochemical Journal, 2014, 459, 383-396.	3.7	98
83	Synergistic activity of Bacillus thuringiensis toxins against Simulium spp. larvae. Journal of Invertebrate Pathology, 2014, 121, 70-73.	3.2	19
84	Membrane binding and oligomer membrane insertion are necessary but insufficient for Bacillus thuringiensis Cyt1Aa toxicity. Peptides, 2014, 53, 286-291.	2.4	14
85	<i>Bacillus thuringiensis</i>insecticidal three-domain Cry toxins: mode of action, insect resistance and consequences for crop protection. FEMS Microbiology Reviews, 2013, 37, 3-22.	8.6	563
86	Evolution of <i>Bacillus thuringiensis</i> Cry toxins insecticidal activity. Microbial Biotechnology, 2013, 6, 17-26.	4.2	231
87	Efficient Production of Bacillus thuringiensis Cry1AMod Toxins under Regulation of <i>cry3Aa</i> Promoter and Single Cysteine Mutations in the Protoxin Region. Applied and Environmental Microbiology, 2013, 79, 6969-6973.	3.1	7
88	A Tenebrio molitor GPI-anchored alkaline phosphatase is involved in binding of Bacillus thuringiensis Cry3Aa to brush border membrane vesicles. Peptides, 2013, 41, 81-86.	2.4	26
89	Cyt toxins produced by Bacillus thuringiensis: A protein fold conserved in several pathogenic microorganisms. Peptides, 2013, 41, 87-93.	2.4	99
90	Role of UPR Pathway in Defense Response of Aedes aegypti against Cry11Aa Toxin from Bacillus thuringiensis. International Journal of Molecular Sciences, 2013, 14, 8467-8478.	4.1	23

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91	Oligomerization is a key step in Cyt1Aa membrane insertion and toxicity but not necessary to synergize Cry11Aa toxicity in Aedes aegypti larvae.. Environmental Microbiology, 2013, 15, n/a-n/a.	3.8	30
92	Bacillus thuringiensis Cry1Ab mutants affecting oligomer formation are non-toxic to Manduca sexta larvae.. Journal of Biological Chemistry, 2013, 288, 8560.	3.4	2
93	Differential Role of Manduca sexta Aminopeptidase-N and Alkaline Phosphatase in the Mode of Action of Cry1Aa, Cry1Ab, and Cry1Ac Toxins from Bacillus thuringiensis. Applied and Environmental Microbiology, 2013, 79, 4543-4550.	3.1	61
94	Efficacy of Genetically Modified Bt Toxins Alone and in Combinations Against Pink Bollworm Resistant to Cry1Ac and Cry2Ab. PLoS ONE, 2013, 8, e80496.	2.5	49
95	Cadherin binding is not a limiting step for <i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> Cry4Ba toxicity to <i>Aedes aegypti</i> larvae. Biochemical Journal, 2012, 443, 711-717.	3.7	34
96	Bacillus thuringiensis Cry and Cyt mutants useful to counter toxin action in specific environments and to overcome insect resistance in the field. Pesticide Biochemistry and Physiology, 2012, 104, 111-117.	3.6	4
97	Aedes aegypti alkaline phosphatase ALP1 is a functional receptor of Bacillus thuringiensis Cry4Ba and Cry11Aa toxins. Insect Biochemistry and Molecular Biology, 2012, 42, 683-689.	2.7	34
98	Comparative Proteomic Analysis of Aedes aegypti Larval Midgut after Intoxication with Cry11Aa Toxin from Bacillus thuringiensis. PLoS ONE, 2012, 7, e37034.	2.5	51
99	Role of GPI-Anchored Membrane Receptors in the Mode of Action of Bacillus thuringiensis Cry Toxins. , 2012, , .		3
100	Efficacy of genetically modified Bt toxins against insects with different genetic mechanisms of resistance. Nature Biotechnology, 2011, 29, 1128-1131.	17.5	127
101	The Amino- and Carboxyl-Terminal Fragments of the <i>Bacillus thuringensis</i> Cyt1Aa Toxin Have Differential Roles in Toxin Oligomerization and Pore Formation. Biochemistry, 2011, 50, 388-396.	2.5	34
102	Multiple Receptors as Targets of Cry Toxins in Mosquitoes. Journal of Agricultural and Food Chemistry, 2011, 59, 2829-2838.	5.2	57
103	Bacillus thuringiensis: A story of a successful bioinsecticide. Insect Biochemistry and Molecular Biology, 2011, 41, 423-431.	2.7	848
104	Tobacco plants expressing the Cry1AbMod toxin suppress tolerance to Cry1Ab toxin of Manduca sexta cadherin-silenced larvae. Insect Biochemistry and Molecular Biology, 2011, 41, 513-519.	2.7	13
105	Binding of Bacillus thuringiensis subsp. israelensis Cry4Ba to Cyt1Aa has an important role in synergism. Peptides, 2011, 32, 595-600.	2.4	67
106	Role of MAPK p38 in the cellular responses to pore-forming toxins. Peptides, 2011, 32, 601-606.	2.4	61
107	Induction ofManduca sextaLarvae Caspases Expression in Midgut Cells byBacillus thuringiensisCry1Ab Toxin. Psyche: Journal of Entomology, 2011, 2011, 1-7.	0.9	4
108	RNA interference in Lepidoptera: An overview of successful and unsuccessful studies and implications for experimental design. Journal of Insect Physiology, 2011, 57, 231-245.	2.0	729

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109	Domains II and III of Bacillus thuringiensis Cry1Ab Toxin Remain Exposed to the Solvent after Insertion of Part of Domain I into the Membrane. Journal of Biological Chemistry, 2011, 286, 19109-19117.	3.4	23
110	Cadherin, Alkaline Phosphatase, and Aminopeptidase N as Receptors of Cry11Ba Toxin from <i>Bacillus thuringiensis</i> subsp. <i>jegathesan</i> in <i>Aedes aegypti</i>. Applied and Environmental Microbiology, 2011, 77, 24-31.	3.1	53
111	CHAPTER 8. Towards a Healthy Control of Insect Pests: Potential Use of Microbial Insecticides. RSC Green Chemistry, 2011, , 266-299.	0.1	6
112	Dominant Negative Phenotype of Bacillus thuringiensis Cry1Ab, Cry11Aa and Cry4Ba Mutants Suggest Hetero-Oligomer Formation among Different Cry Toxins. PLoS ONE, 2011, 6, e19952.	2.5	25
113	Role of Alkaline Phosphatase from Manduca sexta in the Mechanism of Action of Bacillus thuringiensis Cry1Ab Toxin. Journal of Biological Chemistry, 2010, 285, 12497-12503.	3.4	150
114	An Î±â€amylase is a novel receptor for <i>Bacillus thuringiensis</i> ssp. <i>israelensis</i> Cry4Ba and Cry11Aa toxins in the malaria vector mosquito <i>Anopheles albimanus</i> (<i>Diptera</i>:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 537 T	3.8	63
115	Mode of Action of<i>Bacillus thuringiensis</i>-Genetically Modified Cry1AbMod and Cry1AcMod Toxins: Role of Alkaline pH in Toxin Oligomerization. Southwestern Entomologist, 2010, 35, 383-386.	0.2	0
116	The mitogen-activated protein kinase p38 is involved in insect defense against Cry toxins from Bacillus thuringiensis. Insect Biochemistry and Molecular Biology, 2010, 40, 58-63.	2.7	90
117	Midgut GPI-anchored proteins with alkaline phosphatase activity from the cotton boll weevil (Anthonomus grandis) are putative receptors for the Cry1B protein of Bacillus thuringiensis. Insect Biochemistry and Molecular Biology, 2010, 40, 138-145.	2.7	40
118	Single concentration tests show synergism among Bacillus thuringiensis subsp. israelensis toxins against the malaria vector mosquito Anopheles albimanus. Journal of Invertebrate Pathology, 2010, 104, 231-233.	3.2	40
119	Pore formation by Cry toxins. Advances in Experimental Medicine and Biology, 2010, 677, 127-142.	1.6	63
120	New Insights into the Mode of Action of Cry1Ab Toxin used in Transgenic Insect-Resistant Crops. Southwestern Entomologist, 2010, 35, 387-390.	0.2	3
121	Modified <i>Bacillus thuringiensis</i> Toxins and a Hybrid <i>B. thuringiensis</i> Strain Counter Greenhouse-Selected Resistance in <i>Trichoplusia ni</i>. Applied and Environmental Microbiology, 2009, 75, 5739-5741.	3.1	18
122	Oligomerization of Cry11Aa from <i>Bacillus thuringiensis</i> Has an Important Role in Toxicity against <i>Aedes aegypti</i>. Applied and Environmental Microbiology, 2009, 75, 7548-7550.	3.1	26
123	Signaling versus punching hole: How do Bacillus thuringiensis toxins kill insect midgut cells?. Cellular and Molecular Life Sciences, 2009, 66, 1337-1349.	5.4	219
124	Domain II Loop 3 of Bacillus thuringiensis Cry1Ab Toxin Is Involved in a â€œPing Pongâ€• Binding Mechanism with Manduca sexta Aminopeptidase-N and Cadherin Receptors. Journal of Biological Chemistry, 2009, 284, 32750-32757.	3.4	118
125	Cloning and Epitope Mapping of Cry11Aa-Binding Sites in the Cry11Aa-Receptor Alkaline Phosphatase from <i>Aedes aegypti</i>. Biochemistry, 2009, 48, 8899-8907.	2.5	38
126	Characterization of the mechanism of action of the genetically modified Cry1AbMod toxin that is active against Cry1Ab-resistant insects. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 2229-2237.	2.6	42

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127	Strategies to improve the insecticidal activity of Cry toxins from Bacillus thuringiensis. Peptides, 2009, 30, 589-595.	2.4	81
128	Enhancement of insecticidal activity of Bacillus thuringiensis Cry1A toxins by fragments of a toxin-binding cadherin correlates with oligomer formation. Peptides, 2009, 30, 583-588.	2.4	71
129	Defense and death responses to pore forming toxins. Biotechnology and Genetic Engineering Reviews, 2009, 26, 65-82.	6.2	19
130	<i>Aedes aegypti</i> cadherin serves as a putative receptor of the Cry11Aa toxin from <i>Bacillus thuringiensis</i> subsp. <i>israelensis</i>. Biochemical Journal, 2009, 424, 191-200.	3.7	76
131	Dominant Negative Mutants of Bacillus thuringiensis Cry1Ab Toxin Function as Anti-Toxins: Demonstration of the Role of Oligomerization in Toxicity. PLoS ONE, 2009, 4, e5545.	2.5	49
132	Lethal Activity of TwoBacillus thuringiensisStrains againstHaemonchus contortusHistotropic Larvae. Annals of the New York Academy of Sciences, 2008, 1149, 164-166.	3.8	3
133	How to cope with insect resistance to Bt toxins?. Trends in Biotechnology, 2008, 26, 573-579.	9.3	201
134	Employing phage display to study the mode of action of Bacillus thuringiensis Cry toxins. Peptides, 2008, 29, 324-329.	2.4	14
135	The pre-pore from Bacillus thuringiensis Cry1Ab toxin is necessary to induce insect death in Manduca sexta. Peptides, 2008, 29, 318-323.	2.4	27
136	Mode of action of mosquitocidal Bacillus thuringiensis toxins. Toxicon, 2007, 49, 597-600.	1.6	63
137	Mode of action of Bacillus thuringiensis Cry and Cyt toxins and their potential for insect control. Toxicon, 2007, 49, 423-435.	1.6	1,039
138	Role of receptor interaction in the mode of action of insecticidal Cry and Cyt toxins produced by Bacillus thuringiensis. Peptides, 2007, 28, 169-173.	2.4	96
139	An ADAM metalloprotease is a Cry3Aa Bacillus thuringiensis toxin receptor. Biochemical and Biophysical Research Communications, 2007, 362, 437-442.	2.1	54
140	Toxicity of Bacillus thuringiensis Î´-endotoxins against bean shoot borer (Epinotia aporema Wals.) larvae, a major soybean pest in Argentina. Journal of Invertebrate Pathology, 2007, 94, 125-129.	3.2	17
141	Engineering Modified Bt Toxins to Counter Insect Resistance. Science, 2007, 318, 1640-1642.	12.6	218
142	Bacillus thuringiensis ssp. israelensis Cyt1Aa enhances activity of Cry11Aa toxin by facilitating the formation of a pre-pore oligomeric structure. Cellular Microbiology, 2007, 9, 2931-2937.	2.1	88
143	Bacillus thuringiensis Cry1Ab Mutants Affecting Oligomer Formation Are Non-toxic to Manduca sexta Larvae. Journal of Biological Chemistry, 2007, 282, 21222-21229.	3.4	101
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