Guy Smagghe

List of Publications by Year
in descending order

714 papers	31,989 citations	10389 72 h-index	9589 142 g-index
732 all docs	732 docs citations	732 times ranked	24848 citing authors

#	Article	IF	Citations
1	Chitosan as Antimicrobial Agent:â€‰ Applications and Mode of Action. Biomacromolecules, 2003, 4, 1457-1465.	5.4	2,503
2	Genome Sequence of the Pea Aphid Acyrthosiphon pisum. PLoS Biology, 2010, 8, e1000313.	5.6	913
3	The genome of Tetranychus urticae reveals herbivorous pest adaptations. Nature, 2011, 479, 487-492.	27.8	897
4	Mechanisms of dsRNA uptake in insects and potential of RNAi for pest control: A review. Journal of Insect Physiology, 2010, 56, 227-235.	2.0	818
5	Neonicotinoids in bees: a review on concentrations, side-effects and risk assessment. Ecotoxicology, 2012, 21, 973-992.	2.4	780
6	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
7	Pesticide-Induced Stress in Arthropod Pests for Optimized Integrated Pest Management Programs. Annual Review of Entomology, 2016, 61, 43-62.	11.8	482
8	Towards the elements of successful insect RNAi. Journal of Insect Physiology, 2013, 59, 1212-1221.	2.0	399
9	RNAi Efficiency, Systemic Properties, and Novel Delivery Methods for Pest Insect Control: What We Know So Far. Frontiers in Physiology, 2016, 7, 553.	2.8	386
10	The genomes of two key bumblebee species with primitive eusocial organization. Genome Biology, 2015, 16, 76.	8.8	330
11	Butyrate-producing bacteria supplemented in vitro to Crohnâ€™s disease patient microbiota increased butyrate production and enhanced intestinal epithelial barrier integrity. Scientific Reports, 2017, 7, 11450.	3.3	324
12	Plant lectins as defense proteins against phytophagous insects. Phytochemistry, 2011, 72, 1538-1550.	2.9	311
13	The nonâ€target impact of spinosyns on beneficial arthropods. Pest Management Science, 2012, 68, 1523-1536.	3.4	297
14	RNA interference technology in crop protection against arthropod pests, pathogens and nematodes. Pest Management Science, 2018, 74, 1239-1250.	3.4	277
15	ACE Inhibitory Peptides Derived from Enzymatic Hydrolysates of Animal Muscle Protein:Â A Review. Journal of Agricultural and Food Chemistry, 2005, 53, 8106-8115.	5.2	269
16	Delivery of dsRNA for RNAi in insects: an overview and future directions. Insect Science, 2013, 20, 4-14.	3.0	269
17	Genomic adaptation to polyphagy and insecticides in a major East Asian noctuid pest. Nature Ecology and Evolution, 2017, 1, 1747-1756.	7.8	269
18	Green leaf volatile production by plants: a metaâ€anal ysis. New Phytologist, 2018, 220, 666-683.	7.3	247

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19	DsRNA degradation in the pea aphid (Acyrthosiphon pisum) associated with lack of response in RNAi feeding and injection assay. Peptides, 2014, 53, 307-314.	2.4	242
20	Regulation of Midgut Growth, Development, and Metamorphosis. Annual Review of Entomology, 2010, 55, 593-608.	11.8	229
21	A model species for agricultural pest genomics: the genome of the Colorado potato beetle, Leptinotarsa decemlineata (Coleoptera: Chrysomelidae). Scientific Reports, 2018, 8, 1931.	3.3	215
22	Comprehensive Bee Pathogen Screening in Belgium Reveals Crithidia mellificae as a New Contributory Factor to Winter Mortality. PLoS ONE, 2013, 8, e72443.	2.5	212
23	Risk assessment for side-effects of neonicotinoids against bumblebees with and without impairing foraging behavior. Ecotoxicology, 2010, 19, 207-215.	2.4	208
24	Effects of Invasive Parasites on Bumble Bee Declines. Conservation Biology, 2011, 25, 662-671.	4.7	192
25	Flavonoid interactions during digestion, absorption, distribution and metabolism: a sequential structureâ€“activity/property relationship-based approach in the study of bioavailability and bioactivity. Drug Metabolism Reviews, 2015, 47, 175-190.	3.6	173
26	Widespread occurrence of honey bee pathogens in solitary bees. Journal of Invertebrate Pathology, 2014, 122, 55-58.	3.2	170
27	Double-Stranded RNA Technology to Control Insect Pests: Current Status and Challenges. Frontiers in Plant Science, 2020, 11, 451.	3.6	165
28	Action of a novel nonsteroidal ecdysteroid mimic, tebufenozide (RH-5992), on insects of different orders. Pest Management Science, 1994, 42, 85-92.	0.4	163
29	Aggregation and ecotoxicity of CeO2 nanoparticles in synthetic and natural waters with variable pH, organic matter concentration and ionic strength. Environmental Pollution, 2011, 159, 970-976.	7.5	161
30	Improved Release and Metabolism of Flavonoids by Steered Fermentation Processes: A Review. International Journal of Molecular Sciences, 2014, 15, 19369-19388.	4.1	156
31	Management of Pest Insects and Plant Diseases by Non-Transformative RNAi. Frontiers in Plant Science, 2019, 10, 1319.	3.6	156
32	Angiotensin-Converting Enzyme Inhibitory Effects by Plant Phenolic Compounds: A Study of Structure Activity Relationships. Journal of Agricultural and Food Chemistry, 2013, 61, 11832-11839.	5.2	154
33	Synthesis and Fungicidal Activity of NewN,O-Acyl Chitosan Derivatives. Biomacromolecules, 2004, 5, 589-595.	5.4	152
34	Insecticidal and fungicidal activity of new synthesized chitosan derivatives. Pest Management Science, 2005, 61, 951-960.	3.4	143
35	The involvement of clathrinâ€mediated endocytosis and two Sidâ€1â€like transmembrane proteins in doubleâ€stranded RNA uptake in the Colorado potato beetle midgut. Insect Molecular Biology, 2016, 25, 315-323.	2.0	143
36	Control of ecdysteroidogenesis in prothoracic glands of insects: A review. Peptides, 2010, 31, 506-519.	2.4	130

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37	A depauperate immune repertoire precedes evolution of sociality in bees. Genome Biology, 2015, 16, 83.	8.8	130
38	Diversity and Global Distribution of Viruses of the Western Honey Bee, Apis mellifera. Insects, 2020, 11, 239.	2.2	130
39	The challenge of RNAi-mediated control of hemipterans. Current Opinion in Insect Science, 2014, 6, 15-21.	4.4	128
40	A nuclease specific to lepidopteran insects suppresses RNAi. Journal of Biological Chemistry, 2018, 293, 6011-6021.	3.4	125
41	Increased RNAi Efficacy in Spodoptera exigua via the Formulation of dsRNA With Guanylated Polymers. Frontiers in Physiology, 2018, 9, 316.	2.8	122
42	Oral RNAi to control Drosophila suzukii: laboratory testing against larval and adult stages. Journal of Pest Science, 2016, 89, 803-814.	3.7	119
43	Repellency and toxicity of essential oils from the leaves and bark of Laurelia sempervirens and Drimys winteri against Tribolium castaneum. Industrial Crops and Products, 2010, 32, 405-410.	5.2	115
44	Alien parasite hitchhikes to Patagonia on invasive bumblebee. Biological Invasions, 2013, 15, 489-494.	2.4	112
45	Action of insect growth regulator insecticides and spinosad on life history parameters and absorption in third-instar larvae of the endoparasitoid Hyposoter didymator. Biological Control, 2004, 31, 189-198.	3.0	110
46	Priming of Wheat with the Green Leaf Volatile Z-3-Hexenyl Acetate Enhances Defense against Fusarium graminearum But Boosts Deoxynivalenol Production. Plant Physiology, 2015, 167, 1671-1684.	4.8	110
47	RNAâ€based biocontrol compounds: current status and perspectives to reach the market. Pest Management Science, 2020, 76, 841-845.	3.4	110
48	Plantâ€insect interactions: what can we learn from plant lectins?. Archives of Insect Biochemistry and Physiology, 2010, 73, 193-212.	1.5	109
49	Insect Nuclear Receptors. Annual Review of Entomology, 2012, 57, 83-106.	11.8	109
50	CRISPR/Cas9 in insects: Applications, best practices and biosafety concerns. Journal of Insect Physiology, 2017, 98, 245-257.	2.0	104
51	RNAi Technology for Insect Management and Protection of Beneficial Insects from Diseases: Lessons, Challenges and Risk Assessments. Neotropical Entomology, 2015, 44, 197-213.	1.2	101
52	Insect cell culture and applications to research and pest management. In Vitro Cellular and Developmental Biology - Animal, 2009, 45, 93-105.	1.5	96
53	Bombyx mori DNA/RNA non-specific nuclease: Expression of isoforms in insect culture cells, subcellular localization and functional assays. Journal of Insect Physiology, 2012, 58, 1166-1176.	2.0	95
54	Monitoring of beet armyworm resistance to spinosad and methoxyfenozide in Mexico. Pest Management Science, 2008, 64, 1001-1007.	3.4	93

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55	A barley cysteine-proteinase inhibitor reduces the performance of two aphid species in artificial diets and transgenic Arabidopsis plants. Transgenic Research, 2011, 20, 305-319.	2.4	91
56	Gastrointestinal Simulation Model TWIN-SHIME Shows Differences between Human Urolithin-Metabotypes in Gut Microbiota Composition, Pomegranate Polyphenol Metabolism, and Transport along the Intestinal Tract. Journal of Agricultural and Food Chemistry, 2017, 65, 5480-5493.	5.2	90
57	Compatibility of Spinosad, Tebufenozide and Azadirachtin with Eggs and Pupae of the Predator Chrysoperla carnea (Stephens) Under Laboratory Conditions. Biocontrol Science and Technology, 2001, 11, 597-610.	1.3	87
58	Pesticides and reduced-risk insecticides, native bees and pantropical stingless bees: pitfalls and perspectives. Pest Management Science, 2015, 71, 1049-1053.	3.4	87
59	Liposome encapsulation and EDTA formulation of dsRNA targeting essential genes increase oral RNAiâ€caused mortality in the Neotropical stink bug Euschistus heros. Pest Management Science, 2019, 75, 537-548.	3.4	87
60	Toxicity and kinetics of methoxyfenozide in greenhouse-selectedSpodoptera exigua(Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.4	86
61	Roles of the insulin signaling pathway in insect development and organ growth. Peptides, 2019, 122, 169923.	2.4	84
62	RNAi: What is its position in agriculture?. Journal of Pest Science, 2020, 93, 1125-1130.	3.7	84
63	ACE Inhibitory Activity in Enzymatic Hydrolysates of Insect Protein. Journal of Agricultural and Food Chemistry, 2005, 53, 5207-5211.	5.2	83
64	Mode of action of etoxazole. Pest Management Science, 2006, 62, 379-382.	3.4	82
65	Evaluation of the Susceptibility of the Pea Aphid,Acyrthosiphon pisum, to a Selection of Novel Biorational Insecticides using an Artificial Diet. Journal of Insect Science, 2009, 9, 1-8.	1.5	81
66	Comprehensive survey of developmental genes in the pea aphid, Acyrthosiphon pisum: frequent lineageâ€specific duplications and losses of developmental genes. Insect Molecular Biology, 2010, 19, 47-62.	2.0	81
67	Halloween genes and nuclear receptors in ecdysteroid biosynthesis and signalling in the pea aphid. Insect Molecular Biology, 2010, 19, 187-200.	2.0	81
68	RNAi-based gene silencing through dsRNA injection or ingestion against the African sweet potato weevilCylas puncticollis(Coleoptera: Brentidae). Pest Management Science, 2017, 73, 44-52.	3.4	81
69	Diversity and functions of protein glycosylation in insects. Insect Biochemistry and Molecular Biology, 2017, 83, 21-34.	2.7	80
70	Hazards and uptake of chitin synthesis inhibitors in bumblebeesBombus terrestris. Pest Management Science, 2006, 62, 752-758.	3.4	79
71	Antioxidative and ACE inhibitory activities in enzymatic hydrolysates of the cotton leafworm, Spodoptera littoralis. Food Chemistry, 2009, 114, 38-43.	8.2	79
72	Identification and expression profile of Halloween genes involved in ecdysteroid biosynthesis in Spodoptera littoralis. Peptides, 2010, 31, 456-467.	2.4	78

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73	Molecular cloning, expression analysis and functional confirmation of ecdysone receptor and ultraspiracle from the Colorado potato beetle Leptinotarsa decemlineata. FEBS Journal, 2005, 272, 4114-4128.	4.7	77
74	Novel lactic acid bacteria isolated from the bumble bee gut: Convivina intestini gen. nov., sp. nov., Lactobacillus bombicola sp. nov., and Weissella bombi sp. nov.. Antonie Van Leeuwenhoek, 2015, 107, 1337-1349.	1.7	77
75	Toxicity and Absorption of Azadirachtin, Diflubenzuron, Pyriproxyfen, and Tebufenozide after Topical Application in Predatory Larvae ofChrysoperla carnea(Neuroptera: Chrysopidae). Environmental Entomology, 2003, 32, 196-203.	1.4	76
76	Bee Viruses: Routes of Infection in Hymenoptera. Frontiers in Microbiology, 2020, 11, 943.	3.5	76
77	Viral Delivery of dsRNA for Control of Insect Agricultural Pests and Vectors of Human Disease: Prospects and Challenges. Frontiers in Physiology, 2017, 8, 399.	2.8	75
78	Ultra(high)-pressure liquid chromatographyâ€“electrospray ionization-time-of-flight-ion mobility-high definition mass spectrometry for the rapid identification and structural characterization of flavonoid glycosides from cauliflower waste. Journal of Chromatography A, 2014, 1323, 39-48.	3.7	74
79	Enzyme-Assisted Extraction Enhancing the Phenolic Release from Cauliflower (Brassica) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 7468-7476.	5.2	74
80	Asian Citrus Psyllid RNAi Pathway â€“ RNAi evidence. Scientific Reports, 2016, 6, 38082.	3.3	73
81	Fungicidal and Insecticidal Activity of O-Acyl Chitosan Derivatives. Polymer Bulletin, 2005, 54, 279-289.	3.3	71
82	Ectopically expressed leaf and bulb lectins from garlic (Allium sativum L.) protect transgenic tobacco plants against cotton leafworm (Spodoptera littoralis). Transgenic Research, 2008, 17, 9-18.	2.4	69
83	Transcriptional response of BmToll9-1 and RNAi machinery genes to exogenous dsRNA in the midgut of Bombyx mori. Journal of Insect Physiology, 2013, 59, 646-654.	2.0	69
84	Carbohydrate-binding activity of the type-2 ribosome-inactivating protein SNA-I from elderberry (Sambucus nigra) is a determining factor for its insecticidal activity. Phytochemistry, 2008, 69, 2972-2978.	2.9	68
85	A cellâ€based highâ€throughput screening system for detecting ecdysteroid agonists and antagonists in plant extracts and libraries of synthetic compounds. FASEB Journal, 2004, 18, 134-136.	0.5	67
86	Insect Growth- and Development-Disrupting Insecticides. , 2005, , 55-115.		67
87	Lethal and Sublethal Effects of Methoxyfenozide and Spinosad on <I>Spodoptera littoralis</I> (Lepidoptera: Noctuidae). Journal of Economic Entomology, 2007, 100, 773-780.	1.8	67
88	Multiplex PCR detection of slowlyâ€evolving trypanosomatids and neogregarines in bumblebees using broadâ€range primers. Journal of Applied Microbiology, 2010, 109, 107-115.	3.1	67
89	Expression of Sambucus nigra agglutinin (SNA-Iâ€²) from elderberry bark in transgenic tobacco plants results in enhanced resistance to different insect species. Transgenic Research, 2009, 18, 249-259.	2.4	65
90	Pollination efficiency and foraging behaviour of honey bees and nonâ€Apis bees to sweet cherry. Agricultural and Forest Entomology, 2020, 22, 75-82.	1.3	65

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91	Stress indicator gene expression profiles, colony dynamics and tissue development of honey bees exposed to sub-lethal doses of imidacloprid in laboratory and field experiments. PLoS ONE, 2017, 12, e0171529.	2.5	65
92	Laboratory test method to evaluate the effect of 31 pesticides on the predatory bug,Orius laevigatus (Het: Anthocoridae). Entomophaga, 1996, 41, 235-243.	0.2	64
93	Angiotensin I-Converting Enzyme Inhibitory Activity of Gelatin Hydrolysates and Identification of Bioactive Peptides. Journal of Agricultural and Food Chemistry, 2011, 59, 552-558.	5.2	64
94	Effect of oral infection with Kashmir bee virus and Israeli acute paralysis virus on bumblebee (Bombus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.2	64
95	Combined Alkaline Hydrolysis and Ultrasound-Assisted Extraction for the Release of Nonextractable Phenolics from Cauliflower (Brassica oleracea var. botrytis) Waste. Journal of Agricultural and Food Chemistry, 2014, 62, 3371-3376.	5.2	63
96	Literature review of baseline information on RNAi to support the environmental risk assessment of RNAiâ€based GM plants. EFSA Supporting Publications, 2018, 15, 1424E.	0.7	63
97	Transcriptome Analysis of Bombyx mori Larval Midgut during Persistent and Pathogenic Cytoplasmic Polyhedrosis Virus Infection. PLoS ONE, 2015, 10, e0121447.	2.5	63
98	<scp>C</scp>olorado potato beetle (<scp>C</scp>oleoptera) gut transcriptome analysis: expression of <scp>RNA</scp> interferenceâ€related genes. Insect Molecular Biology, 2013, 22, 668-684.	2.0	62
99	Overexpression of two Î±-esterase genes mediates metabolic resistance to malathion in the oriental fruit fly,Bactrocera dorsalis(Hendel). Insect Molecular Biology, 2015, 24, 467-479.	2.0	62
100	Rethink RNAi in Insect Pest Control: Challenges and Perspectives. Advances in Insect Physiology, 2018, , 1-17.	2.7	62
101	2021 Taxonomic update of phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. Archives of Virology, 2021, 166, 3513-3566.	2.1	62
102	Diversity in Protein Glycosylation among Insect Species. PLoS ONE, 2011, 6, e16682.	2.5	62
103	Toxicity and Pharmacokinetics of Insect Growth Regulators and Other Novel Insecticides on Pupae of Hyposoter didymator (Hymenoptera: Ichneumonidae), a Parasitoid of Early Larval Instars of Lepidopteran Pests. Journal of Economic Entomology, 2003, 96, 1054-1065.	1.8	61
104	The Significance of Pharmacokinetics and Metabolism to the Biological Activity of RH-5992 (Tebufenozide) in Spodoptera exempta, Spodoptera exigua, and Leptinotarsa decemlineata. Pesticide Biochemistry and Physiology, 1994, 49, 224-234.	3.6	60
105	Differential effects of nonsteroidal ecdysteroid agonists in coleoptera and lepidoptera: Analysis of evagination and receptor binding in imaginal discs. Insect Biochemistry and Molecular Biology, 1996, 26, 687-695.	2.7	60
106	The CCK(-like) receptor in the animal kingdom: Functions, evolution and structures. Peptides, 2011, 32, 607-619.	2.4	60
107	Study of the Metatranscriptome of Eight Social and Solitary Wild Bee Species Reveals Novel Viruses and Bee Parasites. Frontiers in Microbiology, 2018, 9, 177.	3.5	60
108	Nuclease activity decreases the RNAi response in the sweetpotato weevil Cylas puncticollis. Insect Biochemistry and Molecular Biology, 2019, 110, 80-89.	2.7	60

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109	Characterization of volatile compounds from three Cymbopogon species and Eucalyptus citriodora from Benin and their insecticidal activities against Tribolium castaneum. Industrial Crops and Products, 2015, 76, 306-317.	5.2	59
110	Significance of penetration, excretion, and transovarial uptake to toxicity of three insect growth regulators in predatory lacewing adults. Archives of Insect Biochemistry and Physiology, 2002, 51, 91-101.	1.5	58
111	High-throughput screening of ecdysone agonists using a reporter gene assay followed by 3-D QSAR analysis of the molting hormonal activity. Bioorganic and Medicinal Chemistry, 2006, 14, 1143-1159.	3.0	58
112	<scp>I</scp>n silico cloning and annotation of genes involved in the digestion, detoxification and <scp>RNA</scp> interference mechanism in the midgut of <scp>B</scp>actrocera dorsalis [<scp>H</scp>endel (<scp>D</scp>iptera: <scp>T</scp>ephritidae)]. Insect Molecular Biology, 2013, 22, 354-365.	2.0	58
113	Defense Mechanisms against Viral Infection in Drosophila: RNAi and Non-RNAi. Viruses, 2018, 10, 230.	3.3	58
114	Topical dsRNA delivery induces gene silencing and mortality in the pea aphid. Pest Management Science, 2019, 75, 2873-2881.	3.4	58
115	Influence of Azadirachtin and Methoxyfenozide on Life Parameters of <I>Spodoptera littoralis</I> (Lepidoptera: Noctuidae). Journal of Economic Entomology, 2009, 102, 1490-1496.	1.8	57
116	Antifeedant activity and high mortality in the pea aphid Acyrthosiphon pisum (Hemiptera: Aphidae) induced by biostable insect kinin analogs. Peptides, 2010, 31, 498-505.	2.4	57
117	Orysata, a jacalin-related lectin from rice, could protect plants against biting-chewing and piercing-sucking insects. Plant Science, 2014, 221-222, 21-28.	3.6	57
118	Lethal and sublethal effects of azadirachtin on the bumblebee Bombus terrestris (Hymenoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	2.4	57
119	The effects of single and mixed infections ofApicystis bombiand deformed wing virus inBombus terrestris. Parasitology, 2016, 143, 358-365.	1.5	57
120	Triterpene saponins of Quillaja saponaria show strong aphicidal and deterrent activity against the pea aphid Acyrthosiphon pisum. Pest Management Science, 2012, 68, 164-169.	3.4	56
121	Vitellogenin and its receptor play essential roles in the development and reproduction of the brown citrus aphid, Aphis (Toxoptera) citricidus. Insect Molecular Biology, 2018, 27, 221-233.	2.0	56
122	Beyond insects: current status and achievements of RNA interference in mite pests and future perspectives. Pest Management Science, 2018, 74, 2680-2687.	3.4	56
123	The possible impact of persistent virus infection on the function of the RNAi machinery in insects: a hypothesis. Frontiers in Physiology, 2013, 4, 319.	2.8	55
124	Bee pathogens found in Bombus atratus from Colombia: A case study. Journal of Invertebrate Pathology, 2015, 129, 36-39.	3.2	55
125	Identification of Male- and Female-Specific Olfaction Genes in Antennae of the Oriental Fruit Fly (Bactrocera dorsalis). PLoS ONE, 2016, 11, e0147783.	2.5	55
126	Cadmium Uptake and Defense Mechanism in Insect Cells. Environmental Research, 1999, 80, 231-243.	7.5	54

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127	Lethal and Sublethal Effects of Methoxyfenozide and Spinosad on Spodoptera littoralis (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Ove	1.8	54
128	Influence of alumina coating on characteristics and effects of SiO2 nanoparticles in algal growth inhibition assays at various pH and organic matter contents. Environment International, 2011, 37, 1118-1125.	10.0	54
129	Apicystis bombi (Apicomplexa: Neogregarinorida) parasitizing Apis mellifera and Bombus terrestris (Hymenoptera: Apidae) in Argentina. Environmental Microbiology Reports, 2011, 3, 565-568.	2.4	54
130	Biopesticideâ€induced behavioral and morphological alterations in the stingless bee Melipona quadrifasciata. Environmental Toxicology and Chemistry, 2015, 34, 2149-2158.	4.3	54
131	Liquid chromatographyâ€“mass spectrometry coupled with multivariate analysis for the characterization and discrimination of extractable and nonextractable polyphenols and glucosinolates from red cabbage and Brussels sprout waste streams. Journal of Chromatography A, 2015, 1402, 60-70.	3.7	54
132	Genome-enabled insights into the biology of thrips as crop pests. BMC Biology, 2020, 18, 142.	3.8	54
133	Toxicity and Pharmacokinetics of Insect Growth Regulators and Other Novel Insecticides on Pupae of <I>Hyposoter didymator</I> (Hymenoptera: Ichneumonidae), a Parasitoid of Early Larval Instars of Lepidopteran Pests. Journal of Economic Entomology, 2003, 96, 1054-1065.	1.8	53
134	Pollinator diversity, floral resources and semi-natural habitat, instead of honey bees and intensive agriculture, enhance pollination service to sweet cherry. Agriculture, Ecosystems and Environment, 2019, 284, 106586.	5.3	53
135	Enantioselective synthesis and determination of the configuration of stenusine, the spreading agent of the beetle Stenus comma. Journal of Organic Chemistry, 1993, 58, 4881-4884.	3.2	52
136	20-Hydroxyecdysone and juvenile hormone regulate the laminarin-induced nodulation reaction in larvae of the flesh fly, Neobellieria bullata. Developmental and Comparative Immunology, 2006, 30, 735-740.	2.3	52
137	Insecticidal activity of plant-derived extracts against different economically important pest insects. Phytoparasitica, 2017, 45, 113-124.	1.2	52
138	Ecotoxicity and uptake of polymer coated gold nanoparticles. Nanotoxicology, 2013, 7, 37-47.	3.0	51
139	16S rRNA Amplicon Sequencing Demonstrates that Indoor-Reared Bumblebees (Bombus terrestris) Harbor a Core Subset of Bacteria Normally Associated with the Wild Host. PLoS ONE, 2015, 10, e0125152.	2.5	51
140	Bombella intestini gen. nov., sp. nov., an acetic acid bacterium isolated from bumble bee crop. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 267-273.	1.7	51
141	In vitro antioxidant activity and phenolic profiles of tropical fruit byâ€products. International Journal of Food Science and Technology, 2019, 54, 1169-1178.	2.7	51
142	The Jasmonate-Induced Expression of the Nicotiana tabacum Leaf Lectin. Plant and Cell Physiology, 2007, 48, 1207-1218.	3.1	50
143	Ala-Val-Phe and Val-Phe: ACE inhibitory peptides derived from insect protein with antihypertensive activity in spontaneously hypertensive rats. Peptides, 2010, 31, 482-488.	2.4	50
144	Ageâ€and taskâ€dependent foraging gene expression in the bumblebee Bombus terrestris. Archives of Insect Biochemistry and Physiology, 2011, 76, 30-42.	1.5	50

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145	Bisacylhydrazine Insecticides for Selective Pest Control. Advances in Insect Physiology, 2012, , 163-249.	2.7	50
146	InÂvivo study of Dicer-2-mediated immune response of the small interfering RNA pathway upon systemic infections of virulent and avirulent viruses in Bombus terrestris. Insect Biochemistry and Molecular Biology, 2016, 70, 127-137.	2.7	50
147	Colony contact contributes to the diversity of gut bacteria in bumblebees (Bombus terrestris). Insect Science, 2017, 24, 270-277.	3.0	50
148	Ecdysis Triggering Hormone Signaling (ETH/ETHR-A) Is Required for the Larva-Larva Ecdysis in Bactrocera dorsalis (Diptera: Tephritidae). Frontiers in Physiology, 2017, 8, 587.	2.8	50
149	Endocrine disruption in aquatic insects: a review. Ecotoxicology, 2007, 16, 83-93.	2.4	49
150	Antiâ€inflammatory potential of black carrot (Daucus carota L.) polyphenols in a coâ€culture model of intestinal Cacoâ€2 and endothelial EA.hy926 cells. Molecular Nutrition and Food Research, 2017, 61, 1600455.	3.3	49
151	Induction of RNAi Core Machineryâ€™s Gene Expression by Exogenous dsRNA and the Effects of Pre-exposure to dsRNA on the Gene Silencing Efficiency in the Pea Aphid (Acyrthosiphon pisum). Frontiers in Physiology, 2018, 9, 1906.	2.8	49
152	Bumblebee resilience to climate change, through plastic and adaptive responses. Global Change Biology, 2021, 27, 4223-4237.	9.5	49
153	Molecular Characterization and Function Analysis of the Vitellogenin Receptor from the Cotton Bollworm, Helicoverpa armigera (HÃ¼bner) (Lepidoptera, Noctuidae). PLoS ONE, 2016, 11, e0155785.	2.5	49
154	In vivo and in vitro effects of the nonsteroidal ecdysteroid agonist tebufenozide on cuticle formation inSpodoptera exigua: An ultrastructural approach. Archives of Insect Biochemistry and Physiology, 1996, 33, 121-134.	1.5	48
155	Significance of absorption, oxidation, and binding to toxicity of four ecdysone agonists in multi-resistant cotton leafworm. Archives of Insect Biochemistry and Physiology, 2001, 46, 127-139.	1.5	48
156	Enhancement of fungicidal and insecticidal activity by reductive alkylation of chitosan. Pest Management Science, 2006, 62, 890-897.	3.4	48
157	The ecological impact of four IGR insecticides in adults of Hyposoter didymator (Hym.,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	2.4	48
158	Lethal and sublethal sideâ€effect assessment supports a more benign profile of spinetoram compared with spinosad in the bumblebee Bombus terrestris. Pest Management Science, 2011, 67, 541-547.	3.4	48
159	The Effect of Oral Administration of dsRNA on Viral Replication and Mortality in Bombus terrestris. Viruses, 2015, 7, 3172-3185.	3.3	48
160	Engineered Flock House Virus for Targeted Gene Suppression Through RNAi in Fruit Flies (Drosophila) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.8	48
161	Critical links between biodiversity and health in wild bee conservation. Trends in Ecology and Evolution, 2022, 37, 309-321.	8.7	48
162	Selectivity of Nonsteroidal Ecdysteroid Agonists RH 5849 and RH 5992 to Nymphs and Adults of Predatory Soldier Bugs, Podisus nigrispinus and P. maculiventris (Hemiptera: Pentatomidae). Journal of Economic Entomology, 1995, 88, 40-45.	1.8	47

#	Article	IF	Citations
163	Spodoptera littoralis-Induced Lectin Expression in Tobacco. Plant and Cell Physiology, 2009, 50, 1142-1155.	3.1	47
164	Biochemical mechanisms of methoxyfenozide resistance in the cotton leafworm Spodoptera littoralis. Pest Management Science, 2009, 65, 732-736.	3.4	47
165	Viral Small-RNA Analysis of Bombyx mori Larval Midgut during Persistent and Pathogenic Cytoplasmic Polyhedrosis Virus Infection. Journal of Virology, 2015, 89, 11473-11486.	3.4	47
166	Interactions between the entomopathogenic fungus Beauveria bassiana and the predatory mite Neoseiulus barkeri and biological control of their shared prey/host Frankliniella occidentalis. Biological Control, 2016, 98, 43-51.	3.0	47
167	Interaction effects of different drivers of wild bee decline and their influence on hostâ€“pathogen dynamics. Current Opinion in Insect Science, 2018, 26, 136-141.	4.4	47
168	Search for Limiting Factors in the RNAi Pathway in Silkmoth Tissues and the Bm5 Cell Line: The RNA-Binding Proteins R2D2 and Translin. PLoS ONE, 2011, 6, e20250.	2.5	47
169	Action of the ecdysteroid agonist tebufenozide in susceptible and artificially selected beet armyworm. Pest Management Science, 1998, 54, 27-34.	0.4	46
170	Growth and mitogenic effects of arylphorin in vivo and in vitro. Archives of Insect Biochemistry and Physiology, 2007, 64, 63-73.	1.5	46
171	Juvenile hormone analogs do not affect directly the activity of the ecdysteroid receptor complex in insect culture cell lines. Journal of Insect Physiology, 2008, 54, 429-438.	2.0	46
172	Characterization of sulfakinin and sulfakinin receptor and their roles in food intake in the red flour beetle Tribolium castaneum. General and Comparative Endocrinology, 2013, 188, 196-203.	1.8	46
173	Unbiased RNA Shotgun Metagenomics in Social and Solitary Wild Bees Detects Associations with Eukaryote Parasites and New Viruses. PLoS ONE, 2016, 11, e0168456.	2.5	46
174	Metabolism, Pharmacokinetics, and Toxicity of the First Nonsteroidal Ecdysteroid Agonist RH 5849 to Spodoptera exempta (Walker), Spodoptera exigua (HÃ¼bner), and Leptinotarsa decemlineata (Say). Pesticide Biochemistry and Physiology, 1993, 46, 149-160.	3.6	45
175	Expression of garlic leaf lectin under the control of the phloemâ€specific promoter Asus1 from Arabidopsis thaliana protects tobacco plants against the tobacco aphid (Myzus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	3.4	45
176	Insecticidal properties of Sclerotinia sclerotiorum agglutinin and its interaction with insect tissues and cells. Insect Biochemistry and Molecular Biology, 2010, 40, 883-890.	2.7	45
177	Aronia (Aronia melanocarpa) phenolics bioavailability in a combined in vitro digestion/Caco-2 cell model is structure and colon region dependent. Journal of Functional Foods, 2017, 38, 128-139.	3.4	45
178	Action of the nonsteroidal ecdysteroid mimic RH 5849 on larval development and adult reproduction of insects of different orders. Invertebrate Reproduction and Development, 1994, 25, 227-236.	0.8	44
179	Bumblebees can be used in combination with juvenile hormone analogues and ecdysone agonists. Ecotoxicology, 2006, 15, 513-521.	2.4	44
180	Gilliamella intestini sp. nov., Gilliamella bombicola sp. nov., Gilliamella bombi sp. nov. and Gilliamella mensalis sp. nov.: Four novel Gilliamella species isolated from the bumblebee gut. Systematic and Applied Microbiology, 2017, 40, 199-204.	2.8	44

#	Article	IF	Citations
181	Stressful conditions reveal decrease in size, modification of shape but relatively stable asymmetry in bumblebee wings. Scientific Reports, 2018, 8, 15169.	3.3	44
182	Effect of nonsteroidal ecdysteroid agonists on ecdysteroid titer in Spodoptera exigua and Leptinotarsa decemlineata. Journal of Insect Physiology, 1995, 41, 971-974.	2.0	43
183	Comparative ecdysteroid action of ring-substituted dibenzoylhydrazines inSpodoptera exigua. Archives of Insect Biochemistry and Physiology, 1999, 41, 42-53.	1.5	43
184	Penetration through the peritrophic matrix is a key to lectin toxicity against Tribolium castaneum. Journal of Insect Physiology, 2014, 70, 94-101.	2.0	43
185	Adipokinetic hormone receptor gene identification and its role in triacylglycerol mobilization and sexual behavior in the oriental fruit fly (Bactrocera dorsalis). Insect Biochemistry and Molecular Biology, 2017, 90, 1-13.	2.7	43
186	Generation of Virus- and dsRNA-Derived siRNAs with Species-Dependent Length in Insects. Viruses, 2019, 11, 738.	3.3	43
187	Biosafety of GM Crop Plants Expressing dsRNA: Data Requirements and EU Regulatory Considerations. Frontiers in Plant Science, 2020, 11, 940.	3.6	43
188	Effects of RH 5849, the first nonsteroidal ecdysteroid agonist, on larvae ofSpodoptera littoralis (Boisd.) (Lepidoptera: Noctuidae). Archives of Insect Biochemistry and Physiology, 1992, 21, 119-128.	1.5	42
189	Deterrent activity of plant lectins on cowpea weevil Callosobruchus maculatus (F.) oviposition. Phytochemistry, 2006, 67, 2078-2084.	2.9	42
190	Effects of pyriproxyfen, a juvenile hormone analog, on development of the mealworm, Tenebrio molitor. Pesticide Biochemistry and Physiology, 2006, 84, 55-62.	3.6	42
191	Polar tube protein gene diversity among Nosema ceranae strains derived from a Greek honey bee health study. Journal of Invertebrate Pathology, 2011, 108, 131-134.	3.2	42
192	Silencing of Two Insulin Receptor Genes Disrupts Nymph-Adult Transition of Alate Brown Citrus Aphid. International Journal of Molecular Sciences, 2017, 18, 357.	4.1	42
193	Phloroglucinol-Mediated Hsp70 Production in Crustaceans: Protection against Vibrio parahaemolyticus in Artemia franciscana and Macrobrachium rosenbergii. Frontiers in Immunology, 2018, 9, 1091.	4.8	42
194	Quantitative structure-activity studies of insect growth regulators: XVI. Substituent effects of dibenzoylhydrazines on the insecticidal activity to Colorado potato beetleLeptinotarsa decemlineata. Pest Management Science, 1999, 55, 909-918.	0.4	41
195	Purification and identification of an angiotensin I converting enzyme (ACE) inhibitory peptide from the gastrointestinal hydrolysate of the cotton leafworm, Spodoptera littoralis. Process Biochemistry, 2008, 43, 900-904.	3.7	41
196	A laboratory evaluation to determine the compatibility of microbiological control agents with the pollinator Bombus terrestris. Pest Management Science, 2009, 65, 949-955.	3.4	41
197	The heterodimeric ecdysteroid receptor complex in the brown shrimp Crangon crangon: EcR and RXR isoform characteristics and sensitivity towards the marine pollutant tributyltin. General and Comparative Endocrinology, 2011, 172, 158-169.	1.8	41
198	The Tn Antigen-Specific Lectin from Ground Ivy Is an Insecticidal Protein with an Unusual Physiology. Plant Physiology, 2003, 132, 1322-1334.	4.8	40

#	Article	IF	Citations
199	Analysis of reference gene stability after Israeli acute paralysis virus infection in bumblebees Bombus terrestris. Journal of Invertebrate Pathology, 2014, 115, 76-79.	3.2	40
200	Transcriptome Analysis and Systemic RNAi Response in the African Sweetpotato Weevil (Cylas) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	2.5	40
201	RNA interference: a promising biopesticide strategy against the African Sweetpotato Weevil Cylas brunneus. Scientific Reports, 2016, 6, 38836.	3.3	40
202	An ultraviolet B condition that affects growth and defense in Arabidopsis. Plant Science, 2018, 268, 54-63.	3.6	40
203	Largeâ€scale cultivation of the bumblebee gut microbiota reveals an underestimated bacterial species diversity capable of pathogen inhibition. Environmental Microbiology, 2018, 20, 214-227.	3.8	40
204	Ecdysone agonists - mechanism of action and application onSpodopteraspecies. Pest Management Science, 1999, 55, 386-389.	0.4	39
205	Laboratory Effects of Ingestion of Azadirachtin by Two Pests (Ceratitis capitata and Spodoptera) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Biocontrol Science and Technology, 2000, 10, 165-177.	1.3	39
206	Entomotoxic effects of fungal lectin from Rhizoctonia solani towards Spodoptera littoralis. Fungal Biology, 2010, 114, 34-40.	2.5	39
207	Entomovectoring in plant protection. Arthropod-Plant Interactions, 2011, 5, 81-95.	1.1	39
208	Deep sequencing of small <scp>RNA</scp> libraries reveals dynamic expression patterns of micro<scp>RNAs</scp> in multiple developmental stages of <scp>B</scp>actrocera dorsalis. Insect Molecular Biology, 2014, 23, 656-667.	2.0	39
209	Protein N-glycosylation and N-glycan trimming are required for postembryonic development of the pest beetle Tribolium castaneum. Scientific Reports, 2016, 6, 35151.	3.3	39
210	Aronia (Aronia melanocarpa) Polyphenols Modulate the Microbial Community in a Simulator of the Human Intestinal Microbial Ecosystem (SHIME) and Decrease Secretion of Proinflammatory Markers in a Cacoâ€2/endothelial Cell Coculture Model. Molecular Nutrition and Food Research, 2018, 62, e1800607.	3.3	39
211	Comparative toxicity and ecdysone receptor affinity of non-steroidal ecdysone agonists and 20-hydroxyecdysone in Chironomus tentans. Insect Biochemistry and Molecular Biology, 2002, 32, 187-192.	2.7	38
212	Toxicity and Pharmacokinetics of Spinosad and Methoxyfenozide toSpodoptera littoralis(Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.4	38
213	Bioactivity of essential oils from leaves and bark of Laurelia sempervirens and Drimys winteri against Acyrthosiphon pisum. Pest Management Science, 2010, 66, 1324-1331.	3.4	38
214	Nicotiana tabacum agglutinin is active against Lepidopteran pest insects. Journal of Experimental Botany, 2010, 61, 1003-1014.	4.8	38
215	Functional characterization of an Î±-esterase gene involving malathion detoxification in Bactrocera dorsalis (Hendel). Pesticide Biochemistry and Physiology, 2016, 130, 44-51.	3.6	38
216	Small forest patches as pollinator habitat: oases in an agricultural desert?. Landscape Ecology, 2019, 34, 487-501.	4.2	38

#	Article	IF	Citations
217	Does RNAi-Based Technology Fit within EU Sustainability Goals?. Trends in Biotechnology, 2021, 39, 644-647.	9.3	38
218	Exposure of insect midgut cells to Sambucus nigra L. agglutinins I and II causes cell death via caspase-dependent apoptosis. Journal of Insect Physiology, 2010, 56, 1101-1107.	2.0	37
219	Collision cross section prediction of deprotonated phenolics in a travelling-wave ion mobility spectrometer using molecular descriptors and chemometrics. Analytica Chimica Acta, 2016, 924, 68-76.	5.4	37
220	Landscapes with high intensive fruit cultivation reduce wild pollinator services to sweet cherry. Agriculture, Ecosystems and Environment, 2017, 239, 342-348.	5.3	37
221	Ferulic acid-4- O -sulfate rather than ferulic acid relaxes arteries and lowers blood pressure in mice. Journal of Nutritional Biochemistry, 2017, 44, 44-51.	4.2	37
222	PIWI pathway against viruses in insects. Wiley Interdisciplinary Reviews RNA, 2019, 10, e1555.	6.4	37
223	Comparison of the activity of nonâ€steroidal ecdysone agonists between dipteran and lepidopteran insects, using cellâ€based EcR reporter assays. Pest Management Science, 2010, 66, 1215-1229.	3.4	36
224	Review on the Use of Cell Cultures to Study Metabolism, Transport, and Accumulation of Flavonoids: From Monoâ€Cultures to Coâ€Culture Systems. Comprehensive Reviews in Food Science and Food Safety, 2015, 14, 741-754.	11.7	36
225	Bifidobacterium commune sp. nov. isolated from the bumble bee gut. Antonie Van Leeuwenhoek, 2015, 107, 1307-1313.	1.7	36
226	Resveratrol improves TNF-Î±-induced endothelial dysfunction in a coculture model of a Caco-2 with an endothelial cell line. Journal of Nutritional Biochemistry, 2016, 36, 21-30.	4.2	36
227	RNAi-Based Biocontrol Products: Market Status, Regulatory Aspects, and Risk Assessment. Frontiers in Insect Science, 2022, 1, .	2.1	36
228	Functional characterization of four metallothionein genes in Daphnia pulex exposed to environmental stressors. Aquatic Toxicology, 2012, 110-111, 54-65.	4.0	35
229	Dietary chlorantraniliprole suppresses reproduction in worker bumblebees. Pest Management Science, 2013, 69, 787-791.	3.4	35
230	Impact of sugar syrup and pollen diet on the bacterial diversity in the gut of indoor-reared bumblebees (Bombus terrestris). Apidologie, 2016, 47, 548-560.	2.0	35
231	Characterization and expression patterns of key ecdysteroid biosynthesis and signaling genes in a spider mite (Panonychus citri). Insect Biochemistry and Molecular Biology, 2017, 87, 136-146.	2.7	35
232	Importance of forest fragments as pollinator habitat varies with season and guild. Basic and Applied Ecology, 2019, 34, 95-107.	2.7	35
233	Potential of RNA interference in the study and management of the whitefly, Bemisia tabaci. Archives of Insect Biochemistry and Physiology, 2019, 100, e21522.	1.5	35
234	Shift in size of bumblebee queens over the last century. Global Change Biology, 2020, 26, 1185-1195.	9.5	35

#	Article	IF	Citations
235	Effects of ecdysone agonist halofenozide against Culex pipiens. Pesticide Biochemistry and Physiology, 2005, 83, 115-123.	3.6	34
236	High entomotoxicity and mechanism of the fungal GalNAc/Gal-specific Rhizoctonia solani lectin in pest insects. Journal of Insect Physiology, 2013, 59, 295-305.	2.0	34
237	The immune response of the small interfering RNA pathway in the defense against bee viruses. Current Opinion in Insect Science, 2014, 6, 22-27.	4.4	34
238	Mitochondrial DNA COI characterization of Helicoverpa armigera (Lepidoptera: Noctuidae) from Paraguay and Uruguay. Genetics and Molecular Research, 2016, 15, .	0.2	34
239	Environmental contaminants of honeybee products in Uganda detected using LC-MS/MS and GC-ECD. PLoS ONE, 2017, 12, e0178546.	2.5	34
240	Action and pharmacokinetics of a novel insect growth regulator, halofenozide, in adult beetles ofAubeonymus mariaefranciscae andLeptinotarsa decemlineata. , 1999, 41, 201-213.		33
241	Stimulation of Midgut Stem Cell Proliferation and Differentiation by Insect Hormones and Peptides. Annals of the New York Academy of Sciences, 2005, 1040, 472-475.	3.8	33
242	Glycosylation Signatures in Drosophila: Fishing with Lectins. Journal of Proteome Research, 2010, 9, 3235-3242.	3.7	33
243	Biostable multi-Aib analogs of tachykinin-related peptides demonstrate potent oral aphicidal activity in the pea aphid Acyrthosiphon pisum (Hemiptera: Aphidae). Peptides, 2011, 32, 587-594.	2.4	33
244	Genome-wide annotation of cuticular proteins in the oriental fruit fly (Bactrocera dorsalis), changes during pupariation and expression analysis of CPAP3 protein genes in response to environmental stresses. Insect Biochemistry and Molecular Biology, 2018, 97, 53-70.	2.7	33
245	Regulatory roles of microRNAs in insect pests: prospective targets for insect pest control. Current Opinion in Biotechnology, 2021, 70, 158-166.	6.6	33
246	Effect of RH-5992 on adult development in the spruce budworm, Choristoneura fumiferana. Insect Biochemistry and Molecular Biology, 2002, 32, 225-231.	2.7	32
247	Critical evaluation of the use of bioinformatics as a theoretical tool to find high-potential sources of ACE inhibitory peptides. Peptides, 2009, 30, 575-582.	2.4	32
248	Organotins in North Sea brown shrimp (Crangon crangon L.) after implementation of the TBT ban. Chemosphere, 2012, 86, 979-984.	8.2	32
249	Varroa destructor Macula-like virus, Lake Sinai virus and other new RNA viruses in wild bumblebee hosts (Bombus pascuorum, Bombus lapidarius and Bombus pratorum). Journal of Invertebrate Pathology, 2016, 134, 6-11.	3.2	32
250	Genome editing in Bombyx mori: New opportunities for silkworm functional genomics and the sericulture industry. Insect Science, 2019, 26, 964-972.	3.0	32
251	Towards Coleoptera-specific high-throughput screening systems for compounds with ecdysone activity: development of EcR reporter assays using weevil (Anthonomus grandis)-derived cell lines and in silico analysis of ligand binding to A. grandis EcR ligand-binding pocket. Insect Biochemistry and Molecular Biology, 2009, 39, 523-534.	2.7	31
252	Impact ofBacillus thuringiensisstrains on survival, reproduction and foraging behaviour in bumblebees (Bombus terrestris). Pest Management Science, 2010, 66, 520-525.	3.4	31

#	Article	IF	Citations
253	Molecular detection of Spiroplasma apis and Spiroplasma melliferum in bees. Journal of Invertebrate Pathology, 2012, 109, 172-174.	3.2	31
254	Effects of dietary lambda-cyhalothrin exposure on bumblebee survival, reproduction, and foraging behavior in laboratory and greenhouse. Journal of Pest Science, 2015, 88, 777-783.	3.7	31
255	Evolutionary trends of neuropeptide signaling in beetles - A comparative analysis of Coleopteran transcriptomic and genomic data. Insect Biochemistry and Molecular Biology, 2019, 114, 103227.	2.7	31
256	Honey bee-collected pollen is a potential source of Ascosphaera apis infection in managed bumble bees. Scientific Reports, 2019, 9, 4241.	3.3	31
257	Primary culture of insect midgut cells. In Vitro Cellular and Developmental Biology - Animal, 2009, 45, 106-110.	1.5	30
258	Entomotoxic action of Sambucus nigra agglutinin i in Acyrthosiphon pisum aphids and Spodoptera exigua caterpillars through caspaseâ€3â€likeâ€dependent apoptosis. Archives of Insect Biochemistry and Physiology, 2010, 75, 207-220.	1.5	30
259	Transcriptome analysis of the citrus red mite, Panonychus citri, and its gene expression by exposure to insecticide/acaricide. Insect Molecular Biology, 2012, 21, 422-436.	2.0	30
260	Quantification of egg ovalbumin hydrolysate-derived anti-hypertensive peptides in an in vitro model combining luminal digestion with intestinal Caco-2 cell transport. Food Research International, 2017, 99, 531-541.	6.2	30
261	A Role of Corazonin Receptor in Larval-Pupal Transition and Pupariation in the Oriental Fruit Fly Bactrocera dorsalis (Hendel) (Diptera: Tephritidae). Frontiers in Physiology, 2017, 8, 77.	2.8	30
262	Targeting female reproduction in insects with biorational insecticides for pest management: a critical review with suggestions for future research. Current Opinion in Insect Science, 2019, 31, 65-69.	4.4	30
263	Comparative Toxicity and Tolerance for the Ecdysteroid Mimic Tebufenozide in a Laboratory and Field Strain of Cotton Leafworm (Lepidoptera: Noctuidae). Journal of Economic Entomology, 1997, 90, 278-282.	1.8	29
264	Toxicity of Four Dibenzoylhydrazine Correlates with Evagination-Induction in the Cotton Leafworm. Pesticide Biochemistry and Physiology, 2000, 68, 49-58.	3.6	29
265	CCK(-like) and receptors: Structure and phylogeny in a comparative perspective. General and Comparative Endocrinology, 2014, 209, 74-81.	1.8	29
266	RNA-seq analysis of gene expression changes during pupariation in Bactrocera dorsalis (Hendel) (Diptera: Tephritidae). BMC Genomics, 2018, 19, 693.	2.8	29
267	Apibacter mensalis sp. nov.: a rare member of the bumblebee gut microbiota. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 1645-1651.	1.7	29
268	CRISPR/Cas9 in lepidopteran insects: Progress, application and prospects. Journal of Insect Physiology, 2021, 135, 104325.	2.0	29
269	Honey bees and climate explain viral prevalence in wild bee communities on a continental scale. Scientific Reports, 2022, 12, 1904.	3.3	29
270	Action of brassinosteroids in the cotton leafworm Spodoptera littoralis. Insect Biochemistry and Molecular Biology, 2002, 32, 199-204.	2.7	28

#	Article	IF	Citations
271	Impact of a perfluorinated organic compound PFOS on the terrestrial pollinator Bombus terrestris (Insecta, Hymenoptera). Ecotoxicology, 2011, 20, 447-456.	2.4	28
272	Assessment of mutualism between Bombus terrestris and its microbiota by use of microcolonies. Apidologie, 2013, 44, 708-719.	2.0	28
273	Genetic Variability of the Neogregarine Apicystis bombi, an Etiological Agent of an Emergent Bumblebee Disease. PLoS ONE, 2013, 8, e81475.	2.5	28
274	Potato virus Y (PVY) strains in Belgian seed potatoes and first molecular detection of the N-Wi strain. Journal of Plant Diseases and Protection, 2014, 121, 10-19.	2.9	28
275	Sublethal effects of kaolin and the biopesticides Prestop-Mix and BotaniGard on metabolic rate, water loss and longevity in bumble bees (Bombus terrestris). Journal of Pest Science, 2016, 89, 171-178.	3.7	28
276	Egg-derived bioactive peptides with ACE-inhibitory properties: a literature update. Food and Function, 2017, 8, 3847-3855.	4.6	28
277	Tyrosine hydroxylase coordinates larvalâ€“pupal tanning and immunity in oriental fruit fly (<scp>Bactrocera dorsalis</scp>). Pest Management Science, 2018, 74, 569-578.	3.4	28
278	The effect of mass-flowering orchards and semi-natural habitat on bumblebee colony performance. Landscape Ecology, 2019, 34, 1033-1044.	4.2	28
279	A glutathione Sâ€transferase (BdGSTd9) participates in malathion resistance via directly depleting malathion and its toxic oxide malaoxon in Bactrocera dorsalis (Hendel). Pest Management Science, 2020, 76, 2557-2568.	3.4	28
280	Fruit orchards and woody semi-natural habitat provide complementary resources for pollinators in agricultural landscapes. Landscape Ecology, 2021, 36, 1377-1390.	4.2	28
281	Potential Use of a Serpin from Arabidopsis for Pest Control. PLoS ONE, 2011, 6, e20278.	2.5	28
282	Effects of Topical Application of Hexaflumuron on Adult Sugar Beet Weevil,Aubeonymus mariaefranciscae, on Embryonic Development: Pharmacokinetics in Adults and Embryos. Pesticide Biochemistry and Physiology, 1998, 61, 169-182.	3.6	27
283	Tebufenozide distorted codling moth larval growth and reproduction, and controlled field populations. Annals of Applied Biology, 2004, 145, 291-298.	2.5	27
284	Analogs of sulfakinin-related peptides demonstrate reduction in food intake in the red flour beetle, Tribolium castaneum, while putative antagonists increase consumption. Peptides, 2013, 41, 107-112.	2.4	27
285	Overexpression of Nictaba-Like Lectin Genes from Glycine max Confers Tolerance toward Pseudomonas syringae Infection, Aphid Infestation and Salt Stress in Transgenic Arabidopsis Plants. Frontiers in Plant Science, 2016, 7, 1590.	3.6	27
286	The Ecdysis Triggering Hormone System, via ETH/ETHR-B, Is Essential for Successful Reproduction of a Major Pest Insect, Bactrocera dorsalis (Hendel). Frontiers in Physiology, 2019, 10, 151.	2.8	27
287	Establishment of wildflower fields in poor quality landscapes enhances micro-parasite prevalence in wild bumble bees. Oecologia, 2019, 189, 149-158.	2.0	27
288	Imidacloprid resistance in the Neotropical brown stink bug Euschistus heros: selection and fitness costs. Journal of Pest Science, 2019, 92, 847-860.	3.7	27

#	Article	IF	Citations
289	Disentangling the ecotoxicological selectivity of clove essential oil against aphids and non-target ladybeetles. Science of the Total Environment, 2020, 718, 137328.	8.0	27
290	Alpha-Gal and Cross-Reactive Carbohydrate Determinants in the N-Glycans of Salivary Glands in the Lone Star Tick, Amblyomma americanum. Vaccines, 2020, 8, 18.	4.4	27
291	<scp>RNAi</scp>â€mediated mortality in southern green stinkbug <scp>Nezara viridula</scp> by oral delivery of <scp>dsRNA</scp>. Pest Management Science, 2021, 77, 77-84.	3.4	27
292	ACTION OF MAJOR INSECTICIDE GROUPS ON INSECT CELL LINES OF THE BEET ARMYWORM, SPODOPTERA EXIGUA, COMPARED WITH LARVICIDAL TOXICITY. In Vitro Cellular and Developmental Biology - Animal, 2004, 40, 43.	1.5	26
293	Antihypertensive mechanism of the dipeptide Val-Tyr in rat aorta. Peptides, 2008, 29, 261-267.	2.4	26
294	A century of temporal stability of genetic diversity in wild bumblebees. Scientific Reports, 2016, 6, 38289.	3.3	26
295	The short neuropeptide F modulates olfactory sensitivity of Bactrocera dorsalis upon starvation. Journal of Insect Physiology, 2017, 99, 78-85.	2.0	26
296	Enhanced resistance against Vibrio harveyi infection by carvacrol and its association with the induction of heat shock protein 72 in gnotobiotic Artemia franciscana. Cell Stress and Chaperones, 2017, 22, 377-387.	2.9	26
297	The buzz about bees and poverty alleviation: Identifying drivers and barriers of beekeeping in sub-Saharan Africa. PLoS ONE, 2017, 12, e0172820.	2.5	26
298	Essential oil from Negramina (Siparuna guianensis) plants controls aphids without impairing survival and predatory abilities of non-target ladybeetles. Environmental Pollution, 2019, 255, 113153.	7.5	26
299	Transcription factor FTZâ€F1 and cisâ€acting elements mediate expression of CYP6BG1 conferring resistance to chlorantraniliprole inÂPlutella xylostella. Pest Management Science, 2019, 75, 1172-1180.	3.4	26
300	First report on CRISPR/Cas9-targeted mutagenesis in the Colorado potato beetle, Leptinotarsa decemlineata. Journal of Insect Physiology, 2020, 121, 104013.	2.0	26
301	Multiplex RT-PCR with broad-range primers and an exogenous internal amplification control for the detection of honeybee viruses in bumblebees. Journal of Invertebrate Pathology, 2010, 105, 200-203.	3.2	25
302	Bombus terrestris as pollinatorâ€andâ€vector to suppress Botrytis cinerea in greenhouse strawberry. Pest Management Science, 2011, 67, 1069-1075.	3.4	25
303	Biostable and PEG polymer-conjugated insect pyrokinin analogs demonstrate antifeedant activity and induce high mortality in the pea aphid Acyrthosiphon pisum (Hemiptera: Aphidae). Peptides, 2012, 34, 266-273.	2.4	25
304	Saponins do not affect the ecdysteroid receptor complex but cause membrane permeation in insect culture cell lines. Journal of Insect Physiology, 2012, 58, 18-23.	2.0	25
305	Microsatellite analysis in museum samples reveals inbreeding before the regression of Bombus veteranus. Apidologie, 2013, 44, 188-197.	2.0	25
306	Assessment of Gustatory Responses to Different Sugars in Harnessed and Free-Moving Bumblebee Workers (Bombus terrestris). Chemical Senses, 2013, 38, 399-407.	2.0	25

#	Article	IF	Citations
307	Unraveling the venom proteome of the bumblebee (Bombus terrestris) by integrating a combinatorial peptide ligand library approach with FT-ICR MS. Toxicon, 2015, 102, 81-88.	1.6	25
308	Flavonoidâ€“gastrointestinal mucus interaction and its potential role in regulating flavonoid bioavailability and mucosal biophysical properties. Food Research International, 2016, 88, 342-347.	6.2	25
309	Plasticity in the gut microbial community and uptake of Enterobacteriaceae (Gammaproteobacteria) in Bombus terrestris bumblebeesâ€™ nests when reared indoors and moved to an outdoor environment. Apidologie, 2016, 47, 237-250.	2.0	25
310	Dominance of honey bees is negatively associated with wild bee diversity in commercial apple orchards regardless of management practices. Agriculture, Ecosystems and Environment, 2022, 323, 107697.	5.3	25
311	Quantitative structure-activity studies of insect growth regulators: XVIII. Effects of substituents on the aromatic moiety of dibenzoylhydrazines on larvicidal activity against the Colorado potato beetleLeptinotarsa decemlineata. Pest Management Science, 2001, 57, 858-865.	3.4	24
312	Compatibility of traditional and novel acaricides with bumblebees (Bombus terrestris): a first laboratory assessment of toxicity and sublethal effects. Pest Management Science, 2010, 66, 786-793.	3.4	24
313	Comparative effects of insecticides with different mechanisms of action on Chrysoperla externa (Neuroptera: Chrysopidae): Lethal, sublethal and doseâ€“response effects. Insect Science, 2013, 20, 743-752.	3.0	24
314	Bioactivity of Pistacia atlantica desf. Subsp. Kurdica (Zohary) Rech. F. and Pistacia khinjuk stocks essential oils against Callosobruchus maculatus (F, 1775) (Coloeptera: Bruchidae) under laboratory conditions. Journal of Stored Products Research, 2018, 77, 96-105.	2.6	24
315	The N-glycome of the hemipteran pest insect Nilaparvata lugens reveals unexpected sex differences. Insect Biochemistry and Molecular Biology, 2019, 107, 39-45.	2.7	24
316	Bumble bee abundance and richness improves honey bee pollination behaviour in sweet cherry. Basic and Applied Ecology, 2020, 43, 27-33.	2.7	24
317	With or without foraging for food, field-realistic concentrations of sulfoxaflor are equally toxic to bumblebees (Bombus terrestris). Entomologia Generalis, 2019, 39, 151-155.	3.1	24
318	Effects of thiamethoxam and spinosad on the survival and hypopharyngeal glands of the African honey bee (Apis mellifera intermissa). Entomologia Generalis, 2020, 40, 207-215.	3.1	24
319	Commercial bumblebee hives to assess an anthropogenic environment for pollinator support: a case study in the region of Ghent (Belgium). Environmental Monitoring and Assessment, 2014, 186, 2357-2367.	2.7	23
320	Molecular Variability and Genetic Structure of Chrysodeixis includens (Lepidoptera: Noctuidae), an Important Soybean Defoliator in Brazil. PLoS ONE, 2015, 10, e0121260.	2.5	23
321	Comparative proteomic analysis of Bactrocera dorsalis (Hendel) in response to thermal stress. Journal of Insect Physiology, 2015, 74, 16-24.	2.0	23
322	Discrimination of haploid and diploid males of Bombus terrestris (Hymenoptera; Apidae) based on wing shape. Apidologie, 2015, 46, 644-653.	2.0	23
323	Persistent RNA virus infection of lepidopteran cell lines: Interactions with the RNAi machinery. Journal of Insect Physiology, 2016, 93-94, 81-93.	2.0	23
324	Flavonoids stimulate cholecystokinin peptide secretion from the enteroendocrine STC-1 cells. FÃ¬toterapÃ¬Ã¢, 2016, 113, 128-131.	2.2	23

#	Article	IF	Citations
325	Extraction and bioconversion of kaempferol metabolites from cauliflower outer leaves through fungal fermentation. Biochemical Engineering Journal, 2016, 116, 27-33.	3.6	23
326	Transcriptome analysis to identify genes for peptides and proteins involved in immunity and reproduction from male accessory glands and ejaculatory duct of Bactrocera dorsalis. Peptides, 2016, 80, 48-60.	2.4	23
327	Identification and expression profiles of fifteen delta-class glutathione S-transferase genes from a stored-product pest, Liposcelis entomophila (Enderlein) (Psocoptera: Liposcelididae). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2017, 206, 35-41.	1.6	23
328	A different gut microbial community between larvae and adults of a wild bumblebee nest (Bombus) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.6	23
329	Accelerated delivery of dsRNA in lepidopteran midgut cells by a Galanthus nivalis lectin (GNA)-dsRNA-binding domain fusion protein. Pesticide Biochemistry and Physiology, 2021, 175, 104853.	3.6	23
330	Effects of the ecdysteroid agonists RH 5849 an RH 5992, alone and in combination with a juvenile hormone analogue, pyriproxyfen, on larvae of Spodoptera exigua. Entomologia Experimentalis Et Applicata, 1994, 72, 115-123.	1.4	22
331	Quantitative structure-activity studies of insect growth regulators: XIX. Effects of substituents on the aromatic moiety of dibenzoylhydrazines on larvicidal activity against the beet armywormSpodoptera exigua. Pest Management Science, 2002, 58, 131-138.	3.4	22
332	Stem cells from midguts of Lepidopteran larvae: Clues to the regulation of stem cell fate. Archives of Insect Biochemistry and Physiology, 2003, 53, 186-198.	1.5	22
333	GalNAc/Gal-Binding Rhizoctonia solani Agglutinin Has Antiproliferative Activity in Drosophila melanogaster S2 Cells via MAPK and JAK/STAT Signaling. PLoS ONE, 2012, 7, e33680.	2.5	22
334	Cell cycle-dependent O-GlcNAc modification of tobacco histones and their interaction with the tobacco lectin. Plant Physiology and Biochemistry, 2014, 83, 151-158.	5.8	22
335	Insulin receptor regulates food intake through sulfakinin signaling in the red flour beetle, Tribolium castaneum. Peptides, 2016, 80, 89-95.	2.4	22
336	Inheritance, Realized Heritability, and Biochemical Mechanisms of Malathion Resistance inBactrocera dorsalis(Diptera: Tephritidae). Journal of Economic Entomology, 2016, 109, 299-306.	1.8	22
337	Effect of oral administration of lactic acid bacteria on colony performance and gut microbiota in indoor-reared bumblebees (Bombus terrestris). Apidologie, 2017, 48, 41-50.	2.0	22
338	Role of a tachykinin-related peptide and its receptor in modulating the olfactory sensitivity in the oriental fruit fly, Bactrocera dorsalis (Hendel). Insect Biochemistry and Molecular Biology, 2017, 80, 71-78.	2.7	22
339	Acute effect of low-dose thiacloprid exposure synergised by tebuconazole in a parasitoid wasp. PLoS ONE, 2019, 14, e0212456.	2.5	22
340	Genome-Wide Analysis of MicroRNAs in Relation to Pupariation in Oriental Fruit Fly. Frontiers in Physiology, 2019, 10, 301.	2.8	22
341	Design, Synthesis, and Biological Activity of Novel Heptacyclic Pyrazolamide Derivatives: A New Candidate of Dual-Target Insect Growth Regulators. Journal of Agricultural and Food Chemistry, 2020, 68, 6347-6354.	5.2	22
342	Lethal and Sublethal Effects of Methoxyfenozide on the Development, Survival and Reproduction of the Fall Armyworm, Spodoptera frugiperda (J. E. Smith) (Lepidoptera: Noctuidae). Neotropical Entomology, 2011, 40, 129-137.	1.2	22

#	Article	IF	Citations
343	Implementation of RNAi-based arthropod pest control: environmental risks, potential for resistance and regulatory considerations. Journal of Pest Science, 2022, 95, 1-15.	3.7	22
344	Insulin-like peptides in Spodoptera littoralis (Lepidoptera): Detection, localization and identification. General and Comparative Endocrinology, 2007, 153, 72-79.	1.8	21
345	Selection for resistance to methoxyfenozide and 20â€hydroxyecdysone in cells of the beet armyworm, Spodoptera exigua. Archives of Insect Biochemistry and Physiology, 2008, 67, 36-49.	1.5	21
346	Assessment of side-effects by Ludox TMA silica nanoparticles following a dietary exposure on the bumblebeeBombus terrestris. Nanotoxicology, 2012, 6, 554-561.	3.0	21
347	Cloning and functional analysis of the ecdysteroid receptor complex in the opossum shrimp Neomysis integer (Leach, 1814). Aquatic Toxicology, 2013, 130-131, 31-40.	4.0	21
348	Laboratory and greenhouse evaluation of a new entomopathogenic strain ofBeauveria bassianafor control of the onion thripsThrips tabaci. Biocontrol Science and Technology, 2013, 23, 794-802.	1.3	21
349	Aedes aegypti juvenile hormone acid methyl transferase, the ultimate enzyme in the biosynthetic pathway of juvenile hormone III, exhibits substrate control. Journal of Insect Physiology, 2014, 64, 62-73.	2.0	21
350	Microsatellite Analysis of Museum Specimens Reveals Historical Differences in Genetic Diversity between Declining and More Stable Bombus Species. PLoS ONE, 2015, 10, e0127870.	2.5	21
351	Use of metabolomics and fluorescence recovery after photobleaching to study the bioavailability and intestinal mucus diffusion of polyphenols from cauliflower waste. Journal of Functional Foods, 2015, 16, 403-413.	3.4	21
352	Characterization of volatiles in strawberry varieties â€˜Elsantaâ€™ and â€˜Sonataâ€™ and their effect on bumblebee flower visiting. Arthropod-Plant Interactions, 2015, 9, 281-287.	1.1	21
353	Absence of Leishmaniinae and Nosematidae in stingless bees. Scientific Reports, 2016, 6, 32547.	3.3	21
354	Large pathogen screening reveals first report of Megaselia scalaris (Diptera: Phoridae) parasitizing Apis mellifera intermissa (Hymenoptera: Apidae). Journal of Invertebrate Pathology, 2016, 137, 33-37.	3.2	21
355	Genome-wide identification of chitinase and chitin deacetylase gene families in the oriental fruit fly, Bactrocera dorsalis (Hendel). Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2018, 27, 13-22.	1.0	21
356	FoxO mediates the timing of pupation through regulating ecdysteroid biosynthesis in the red flour beetle, Tribolium castaneum. General and Comparative Endocrinology, 2018, 258, 149-156.	1.8	21
357	The South American Fruit Fly: An Important Pest Insect With RNAi-Sensitive Larval Stages. Frontiers in Physiology, 2019, 10, 794.	2.8	21
358	Identification and profiling of Bactrocera dorsalis microRNAs and their potential roles in regulating the developmental transitions of egg hatching, molting, pupation and adult eclosion. Insect Biochemistry and Molecular Biology, 2020, 127, 103475.	2.7	21
359	Activity of RH-0345 on Ecdysteroid Production and Cuticle Secretion in Tenebrio molitor Pupae In Vivo and In Vitro. Pesticide Biochemistry and Physiology, 2002, 72, 83-90.	3.6	20
360	Non-steroidal ecdysteroid agonist chromafenozide: Gene induction activity, cell proliferation inhibition and larvicidal activity. Pesticide Biochemistry and Physiology, 2008, 92, 70-76.	3.6	20

#	Article	IF	Citations
361	Internalization of Sambucus nigra agglutinins I and II in insect midgut CFâ€203 cells. Archives of Insect Biochemistry and Physiology, 2011, 76, 211-222.	1.5	20
362	Mechanism of entomotoxicity of the plant lectin from Hippeastrum hybrid (Amaryllis) in Spodoptera littoralis larvae. Journal of Insect Physiology, 2012, 58, 1177-1183.	2.0	20
363	Influence of various stressors on the expression of core genes of the small interfering RNA pathway in the oriental fruit fly, Bactrocera dorsalis. Insect Science, 2017, 24, 418-430.	3.0	20
364	High Gama-Aminobutyric Acid Contents Involved in Abamectin Resistance and Predation, an Interesting Phenomenon in Spider Mites. Frontiers in Physiology, 2017, 8, 216.	2.8	20
365	A Critical Evaluation of In Vitro Hesperidin 2S Bioavailability in a Model Combining Luminal (Microbial) Digestion and Cacoâ€2 Cell Absorption in Comparison to a Randomized Controlled Human Trial. Molecular Nutrition and Food Research, 2018, 62, e1700881.	3.3	20
366	Arboviruses and the Challenge to Establish Systemic and Persistent Infections in Competent Mosquito Vectors: The Interaction With the RNAi Mechanism. Frontiers in Physiology, 2019, 10, 890.	2.8	20
367	Estimating the potential of beekeeping to alleviate household poverty in rural Uganda. PLoS ONE, 2019, 14, e0214113.	2.5	20
368	The N-glycan profile of the peritrophic membrane in the Colorado potato beetle larva (Leptinotarsa) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.0	20
369	Multiple incursion pathways for Helicoverpa armigera in Brazil show its genetic diversity spreading in a connected world. Scientific Reports, 2019, 9, 19380.	3.3	20
370	Insecticidal Gene Silencing by RNAi in the Neotropical Region. Neotropical Entomology, 2020, 49, 1-11.	1.2	20
371	An Antennae-Specific Odorant-Binding Protein Is Involved in Bactrocera dorsalis Olfaction. Frontiers in Ecology and Evolution, 2020, 8, .	2.2	20
372	First transcriptome of the Neotropical pest Euschistus heros (Hemiptera: Pentatomidae) with dissection of its siRNA machinery. Scientific Reports, 2020, 10, 4856.	3.3	20
373	Toxicity of two ecdysone agonists, halofenozide and methoxyfenozide, against the multicoloured Asian lady beetle Harmonia axyridis (Col., Coccinellidae). Journal of Applied Entomology, 2003, 127, 240-242.	1.8	19
374	Structural analysis of the <scp>R</scp>hizoctoniaÂsolani agglutinin reveals a domainâ€swapping dimeric assembly. FEBS Journal, 2013, 280, 1750-1763.	4.7	19
375	Ribosome-inactivating proteins from apple have strong aphicidal activity in artificial diet and in planta. Crop Protection, 2016, 87, 19-24.	2.1	19
376	The plant response induced in wheat ears by a combined attack of Sitobion avenae aphids and Fusarium graminearum boosts fungal infection and deoxynivalenol production. Molecular Plant Pathology, 2017, 18, 98-109.	4.2	19
377	Functional characterization of BdB1, a well-conserved carboxylesterase among tephritid fruit flies associated with malathion resistance in Bactrocera dorsalis (Hendel). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2017, 200, 1-8.	2.6	19
378	Species diversity, pollinator resource value and edibility potential of woody networks in the countryside in northern Belgium. Agriculture, Ecosystems and Environment, 2018, 259, 119-126.	5.3	19

#	Article	IF	Citations
379	<scp>CropPol</scp>: A dynamic, open and global database on crop pollination. Ecology, 2022, 103, e3614.	3.2	19
380	Phylogenomic Analyses of Snodgrassella Isolates from Honeybees and Bumblebees Reveal Taxonomic and Functional Diversity. MSystems, 2022, 7, .	3.8	19
381	Cultured mosquito cells Aedes albopictus C6/36 (Dip., Culicidae) responsive to 20-hydroxyecdysone and non-steroidal ecdysone agonist. Journal of Applied Entomology, 2003, 127, 167-173.	1.8	18
382	Multidimensional Quantitative Structureâ€“Activity Relationships of Diacylhydrazine Toxicity to Lepidopteran and Coleopteran Insect Pests. QSAR and Combinatorial Science, 2008, 27, 1098-1112.	1.4	18
383	Ferritin acts as a target site for the snowdrop lectin (GNA) in the midgut of the cotton leafworm Spodoptera littoralis. Insect Science, 2008, 15, 513-519.	3.0	18
384	Nicotiana tabacum agglutinin expression in response to different biotic challengers. Arthropod-Plant Interactions, 2009, 3, 193-202.	1.1	18
385	Development of a new dispenser for microbiological control agents and evaluation of dissemination by bumblebees in greenhouse strawberries. Pest Management Science, 2010, 66, 1199-1207.	3.4	18
386	Use of RNAi for Control of Insect Crop Pests. , 2012, , 177-197.		18
387	A new dibenzoylhydrazine with insecticidal activity against Anopheles mosquito larvae. Pest Management Science, 2013, 69, 827-833.	3.4	18
388	Insecticidal and repellent action of allyl esters against Acyrthosiphon pisum (Hemiptera: Aphididae) and Tribolium castaneum (Coleoptera: Tenebrionidae). Industrial Crops and Products, 2013, 47, 63-68.	5.2	18
389	Characterization of sulfakinin receptor 2 and its role in food intake in the red flour beetle, Tribolium castaneum. Peptides, 2014, 53, 232-237.	2.4	18
390	Live imaging of baculovirus infection of midgut epithelium cells: a functional assay of per os infectivity factors. Journal of General Virology, 2014, 95, 2531-2539.	2.9	18
391	Are Mummies and Adults ofEretmocerus mundus(Hymenoptera: Aphelinidae) Compatible With Modern Insecticides?. Journal of Economic Entomology, 2015, 108, 2268-2277.	1.8	18
392	Comparative Proteomic Profiling Reveals Molecular Characteristics Associated with Oogenesis and Oocyte Maturation during Ovarian Development of Bactrocera dorsalis (Hendel). International Journal of Molecular Sciences, 2017, 18, 1379.	4.1	18
393	<scp>RNA</scp> interference in shrimp and potential applications in aquaculture. Reviews in Aquaculture, 2018, 10, 573-584.	9.0	18
394	Honey bee predisposition of resistance to ubiquitous mite infestations. Scientific Reports, 2019, 9, 7794.	3.3	18
395	Genome-wide gene expression profiling of the melon fly, Zeugodacus cucurbitae, during thirteen life stages. Scientific Data, 2020, 7, 45.	5.3	18
396	Circadian regulation of night feeding and daytime detoxification in a formidable Asian pest Spodoptera litura. Communications Biology, 2021, 4, 286.	4.4	18

#	Article	IF	Citations
397	Silencing of Double-Stranded Ribonuclease Improves Oral RNAi Efficacy in Southern Green Stinkbug Nezara viridula. Insects, 2021, 12, 115.	2.2	18
398	The Use of Nanocarriers to Improve the Efficiency of RNAi-Based Pesticides in Agriculture. , 2020, , 49-68.		18
399	Effect of ecdysone agonist RH-0345 on reproduction of mealworm, Tenebrio molitor. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2003, 135, 257-267.	2.6	17
400	Ecdysteroid signaling in ecdysteroid-resistant cell lines from the polyphagous noctuid pest Spodoptera exigua. Insect Biochemistry and Molecular Biology, 2008, 38, 825-833.	2.7	17
401	The brown shrimp (Crangon crangon L.) ecdysteroid receptor complex: Cloning, structural modeling of the ligand-binding domain and functional expression in an EcR-deficient Drosophila cell line. General and Comparative Endocrinology, 2010, 168, 415-423.	1.8	17
402	Assessment of species specificity of moulting accelerating compounds in Lepidoptera: comparison of activity between Bombyx mori and Spodoptera littoralis by in vitro reporter and in vivo toxicity assays. Pest Management Science, 2010, 66, 526-535.	3.4	17
403	Relationship between larval-pupal metamorphosis and transcript expression of insulin-like peptide and insulin receptor in Spodoptera littoralis. Peptides, 2011, 32, 531-538.	2.4	17
404	Gamma irradiation of pollen and eradication of Israeli acute paralysis virus. Journal of Invertebrate Pathology, 2014, 121, 74-77.	3.2	17
405	Proteome analysis of male accessory gland secretions in oriental fruit flies reveals juvenile hormone-binding protein, suggesting impact on female reproduction. Scientific Reports, 2015, 5, 16845.	3.3	17
406	Quantitation and localization of pospiviroids in aphids. Journal of Virological Methods, 2015, 211, 51-54.	2.1	17
407	Aphids transform and detoxify the mycotoxin deoxynivalenol via a type II biotransformation mechanism yet unknown in animals. Scientific Reports, 2016, 6, 38640.	3.3	17
408	Characteristics of six small heat shock protein genes from Bactrocera dorsalis : Diverse expression under conditions of thermal stress and normal growth. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2017, 213, 8-16.	1.6	17
409	Short-term persistence precedes pathogenic infection: Infection kinetics of cricket paralysis virus in silkworm-derived Bm5 cells. Journal of Insect Physiology, 2019, 115, 1-11.	2.0	17
410	Metabolomics Reveal Induction of ROS Production and Glycosylation Events in Wheat Upon Exposure to the Green Leaf Volatile Z-3-Hexenyl Acetate. Frontiers in Plant Science, 2020, 11, 596271.	3.6	17
411	Occurrence of bee viruses and pathogens associated with emerging infectious diseases in native and non-native bumble bees in southern Chile. Biological Invasions, 2021, 23, 1175-1189.	2.4	17
412	Impact of intraspecific variation on measurements of thermal tolerance in bumble bees. Journal of Thermal Biology, 2021, 99, 103002.	2.5	17
413	Impact of phenolic compound as activators or inhibitors on the enzymatic hydrolysis of cellulose. International Journal of Biological Macromolecules, 2021, 186, 174-180.	7.5	17
414	Insect Midgut as a Site for Insecticide Detoxification and Resistance. , 2001, , 293-321.		17

#	Article	IF	Citations
415	Israeli acute paralysis virus associated paralysis symptoms, viral tissue distribution and Dicer-2 induction in bumblebee workers (Bombus terrestris). Journal of General Virology, 2016, 97, 1981-1989.	2.9	17
416	Does Temperature-Mediated Reproductive Success Drive the Direction of Species Displacement in Two Invasive Species of Leafminer Fly?. PLoS ONE, 2014, 9, e98761.	2.5	17
417	Cold case: The disappearance of Egypt bee virus, a fourth distinct master strain of deformed wing virus linked to honeybee mortality in 1970â€™s Egypt. Virology Journal, 2022, 19, 12.	3.4	17
418	On the road: Anthropogenic factors drive the invasion risk of a wild solitary bee species. Science of the Total Environment, 2022, 827, 154246.	8.0	17
419	Angiotensin-converting enzyme in Spodoptera littoralis: Molecular characterization, expression and activity profile during development. Insect Biochemistry and Molecular Biology, 2008, 38, 166-175.	2.7	16
420	Trichoderma-based biological control agents are compatible with the pollinator Bombus terrestris: A laboratory study. Biological Control, 2008, 46, 463-466.	3.0	16
421	Acute and chronic insecticidal activity of a new mannose-binding lectin from Allium porrum against Acyrthosiphon pisum via an artificial diet. Canadian Entomologist, 2009, 141, 95-101.	0.8	16
422	Side-Effects of Pesticides on the Pollinator Bombus: An Overview. , 2011, , .		16
423	A cell-based reporter assay for screening for EcR agonist/antagonist activity of natural ecdysteroids in Lepidoptera (Bm5) and Diptera (S2) cell cultures, followed by modeling of ecdysteroid-EcR interactions and normal mode analysis. Pesticide Biochemistry and Physiology, 2013, 107, 309-320.	3.6	16
424	Safety and Acquisition Potential of <I>Metarhizium anisopliae</I> in Entomovectoring With Bumble Bees, <I>Bombus terrestris</I>. Journal of Economic Entomology, 2013, 106, 277-282.	1.8	16
425	Two- and three-dimensional quantitative structureâ€“permeability relationship of flavonoids in Caco-2 cells using stepwise multiple linear regression (SMLR), partial least squares regression (PLSR), and pharmacophore (GALAHAD)-based comparative molecular similarity index analysis (COMSIA). Medicinal Chemistry Research, 2015, 24, 1696-1706.	2.4	16
426	Israeli Acute Paralysis Virus Infection Leads to an Enhanced RNA Interference Response and Not Its Suppression in the Bumblebee Bombus terrestris. Viruses, 2016, 8, 334.	3.3	16
427	Models with only two predictor variables can accurately predict seed yield in diploid and tetraploid red clover. Euphytica, 2016, 209, 507-523.	1.2	16
428	Compatibility of sulfoxaflor and other modern pesticides with adults of the predatory mite Amblyseius swirskii. Residual contact and persistence studies. BioControl, 2017, 62, 197-208.	2.0	16
429	The role of a single gene encoding the Single von Willebrand factor C-domain protein (SVC) in bumblebee immunity extends beyond antiviral defense. Insect Biochemistry and Molecular Biology, 2017, 91, 10-20.	2.7	16
430	Distribution of Glycan Motifs at the Surface of Midgut Cells in the Cotton Leafworm (Spodoptera) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.8	16
431	Bioconversion of Kaempferol and Quercetin Glucosides from Plant Sources Using Rhizopus spp.. Fermentation, 2018, 4, 102.	3.0	16
432	Influence of microbiota in the susceptibility of parasitic wasps to abamectin insecticide: deep sequencing, esterase and toxicity tests. Pest Management Science, 2019, 75, 79-86.	3.4	16

#	Article	IF	Citations
433	Genome-wide analysis of long non-coding RNAs in adult tissues of the melon fly, Zeugodacus cucurbitae (Coquillett). BMC Genomics, 2020, 21, 600.	2.8	16
434	OsEUL Lectin Gene Expression in Rice: Stress Regulation, Subcellular Localization and Tissue Specificity. Frontiers in Plant Science, 2020, 11, 185.	3.6	16
435	A sequence complementarity-based approach for evaluating off-target transcript knockdown in Bombus terrestris, following ingestion of pest-specific dsRNA. Journal of Pest Science, 2021, 94, 487-503.	3.7	16
436	Landscapes with high amounts of mass-flowering fruit crops reduce the reproduction of two solitary bees. Basic and Applied Ecology, 2021, 56, 122-131.	2.7	16
437	Imidazole derivative KK-42 reduces ecdysteroid titers and interferes with reproductive processes in adult females of Tenebrio molitor. Pesticide Biochemistry and Physiology, 2004, 80, 163-172.	3.6	15
438	Insect Repellent/Antifeedant Activity of 2,4-Methanoproline and Derivatives against a Leaf- and Seed-Feeding Pest Insect. Journal of Agricultural and Food Chemistry, 2005, 53, 1945-1948.	5.2	15
439	Cell-free expression and functionality analysis of the tobacco lectin. In Vitro Cellular and Developmental Biology - Animal, 2008, 44, 228-235.	1.5	15
440	A lepidopteran pacifastin member: Cloning, gene structure, recombinant production, transcript profiling and in vitro activity. Insect Biochemistry and Molecular Biology, 2009, 39, 430-439.	2.7	15
441	Comparative Effectiveness of Some Acaricides used to ControlVarroa destructor(Mesostigmata: Varroidae) in Algeria. African Entomology, 2010, 18, 259-266.	0.6	15
442	Antihypertensive effect of insect cells: In vitro and in vivo evaluation. Peptides, 2011, 32, 526-530.	2.4	15
443	Longâ€term foliar persistence and efficacy of spinosad against beet armyworm under greenhouse conditions. Pest Management Science, 2012, 68, 914-921.	3.4	15
444	STUDY ON ECDYSTEROID LEVELS AND GENE EXPRESSION OF ENZYMES RELATED TO ECDYSTEROID BIOSYNTHESIS IN THE LARVAL TESTIS OF Spodoptera littoralis. Archives of Insect Biochemistry and Physiology, 2013, 82, 14-28.	1.5	15
445	Differential transcriptome analysis of the common shrimp Crangon crangon: Special focus on the nuclear receptors and RNAi-related genes. General and Comparative Endocrinology, 2015, 212, 163-177.	1.8	15
446	The neuropeptides and protein hormones of the agricultural pest fruit fly Bactrocera dorsalis: What do we learn from the genome sequencing and tissue-specific transcriptomes?. Peptides, 2017, 98, 29-34.	2.4	15
447	Metabolomics-based biomarker discovery for bee health monitoring: A proof of concept study concerning nutritional stress in Bombus terrestris. Scientific Reports, 2019, 9, 11423.	3.3	15
448	The ArathEULS3 Lectin Ends up in Stress Granules and Can Follow an Unconventional Route for Secretion. International Journal of Molecular Sciences, 2020, 21, 1659.	4.1	15
449	RNAi efficacy is enhanced by chronic dsRNA feeding in pollen beetle. Communications Biology, 2021, 4, 444.	4.4	15
450	GNBP1 as a potential RNAi target to enhance the virulence of Beauveria bassiana for aphid control. Journal of Pest Science, 2022, 95, 87-100.	3.7	15

#	Article	IF	Citations
451	RNAi Targets in Agricultural Pest Insects: Advancements, Knowledge Gaps, and IPM. Frontiers in Agronomy, 2021, 3, .	3.3	15
452	Transport and kinetics of diflubenzuron and pyriproxyfen in the beet armyworm Spodoptera exigua and its predator Podisus maculiventris. Entomologia Experimentalis Et Applicata, 1995, 76, 189-194.	1.4	14
453	Significance of penetration and metabolism on topical toxicity of diflubenzuron in Spodoptera littoralis and Spodoptera exigua. Entomologia Experimentalis Et Applicata, 1997, 82, 255-260.	1.4	14
454	Synergism of diacylhydrazine insecticides with metyrapone and diethylmaleate. Journal of Applied Entomology, 2004, 128, 465-468.	1.8	14
455	The angiotensin converting enzyme inhibitor captopril reduces oviposition and ecdysteroid levels in Lepidoptera. Archives of Insect Biochemistry and Physiology, 2004, 57, 123-132.	1.5	14
456	Ecdysone signaling and transcript signature in Drosophila cells resistant against methoxyfenozide. Journal of Insect Physiology, 2010, 56, 1973-1985.	2.0	14
457	Saponins show high entomotoxicity by cell membrane permeation in Lepidoptera. Pest Management Science, 2012, 68, 1199-1205.	3.4	14
458	Reliability of the entomovector technology using Prestop-Mix and Bombus terrestris L. as a fungal disease biocontrol method in open field. Scientific Reports, 2016, 6, 31650.	3.3	14
459	Differential expression pattern of Vago in bumblebee (Bombus terrestris), induced by virulent and avirulent virus infections. Scientific Reports, 2016, 6, 34200.	3.3	14
460	Flow Cytometric Method for the Detection of Flavonoids in Cell Lines. Journal of Biomolecular Screening, 2016, 21, 858-865.	2.6	14
461	Identification of novel agonists and antagonists of the ecdysone receptor by virtual screening. Journal of Molecular Graphics and Modelling, 2018, 81, 77-85.	2.4	14
462	Infection with the multi-host micro-parasite Apicystis bombi (Apicomplexa: Neogregarinorida) decreases survival of the solitary bee Osmia bicornis. Journal of Invertebrate Pathology, 2018, 158, 43-45.	3.2	14
463	Agricultural area losses and pollinator mismatch due to climate changes endanger passion fruit production in the Neotropics. Agricultural Systems, 2019, 169, 49-57.	6.1	14
464	Recommendations for standardized oral toxicity test protocols for larvae of solitary bees, Osmia spp.. Apidologie, 2020, 51, 48-60.	2.0	14
465	RNAi and CRISPR/Cas9 as Functional Genomics Tools in the Neotropical Stink Bug, Euschistus heros. Insects, 2020, 11, 838.	2.2	14
466	Network Centrality as an Indicator for Pollinator Parasite Transmission via Flowers. Insects, 2020, 11, 872.	2.2	14
467	Assessment of insecticidal effects and selectivity of <scp>CAPAâ€PK</scp> peptide analogues against the peachâ€potato aphid and four beneficial insects following topical exposure. Pest Management Science, 2020, 76, 3451-3458.	3.4	14
468	Larval oral exposure to thiacloprid: Dose-response toxicity testing in solitary bees, Osmia spp. (Hymenoptera: Megachilidae). Ecotoxicology and Environmental Safety, 2021, 215, 112143.	6.0	14

#	Article	IF	Citations
469	Detoxifying Enzymes in Greenhouse and Laboratory Strain of Beet Armyworm (Lepidoptera: Noctuidae). Journal of Economic Entomology, 1995, 88, 777-781.	1.8	13
470	Nonsteroidal moulting hormone agonists: effects on protein synthesis and cuticle formation in Colorado potato beetle larvae. Entomologia Experimentalis Et Applicata, 1999, 93, 1-8.	1.4	13
471	Properties of ecdysteroid receptors from diverse insect species in a heterologous cell culture system â€“ a basis for screening novel insecticidal candidates. FEBS Journal, 2009, 276, 3087-3098.	4.7	13
472	Screening of soy and milk protein hydrolysates for their ability to activate the CCK1 receptor. Peptides, 2012, 34, 226-231.	2.4	13
473	Quantitative evaluation of the molting hormone activity in coleopteran cells established from the Colorado potato beetle, Leptinotarsa decemlineata. Pesticide Biochemistry and Physiology, 2012, 104, 1-8.	3.6	13
474	Metabolism of Quercetin and Naringenin by Food-Grade Fungal Inoculum, Rhizopus azygosporus Yuan et Jong (ATCC 48108). Journal of Agricultural and Food Chemistry, 2016, 64, 9263-9267.	5.2	13
475	Systemic Israeli acute paralysis virus (IAPV) infection in bumblebees (Bombus terrestris) through feeding and injection. Journal of Invertebrate Pathology, 2018, 151, 158-164.	3.2	13
476	A Metabolomics Approach to Unravel Cricket Paralysis Virus Infection in Silkworm Bm5 Cells. Viruses, 2019, 11, 861.	3.3	13
477	First Evidence of Bud Feeding-Induced RNAi in a Crop Pest via Exogenous Application of dsRNA. Insects, 2020, 11, 769.	2.2	13
478	Arabidopsis Lectin EULS3 Is Involved in ABA Signaling in Roots. Frontiers in Plant Science, 2020, 11, 437.	3.6	13
479	A Growersâ€™ Perspective on Crop Pollination and Measures to Manage the Pollination Service of Wild Pollinators in Sweet Cherry Cultivation. Insects, 2020, 11, 372.	2.2	13
480	The Phytochemical Composition of Melia volkensii and Its Potential for Insect Pest Management. Plants, 2020, 9, 143.	3.5	13
481	Biosafety of bee pollinators in genetically modified agroâ€ecosystems: Current approach and further development in the <scp>EU</scp>. Pest Management Science, 2021, 77, 2659-2666.	3.4	13
482	Involvement of clathrin-dependent endocytosis in cellular dsRNA uptake in aphids. Insect Biochemistry and Molecular Biology, 2021, 132, 103557.	2.7	13
483	Exploration of the virome of the European brown shrimp (Crangon crangon). Journal of General Virology, 2020, 101, 651-666.	2.9	13
484	Ecological, environmental, and management data indicate apple production is driven by wild bee diversity and management practices. Ecological Indicators, 2022, 139, 108880.	6.3	13
485	Effects of the non-steroidal ecdysteroid mimic tebufenozide on the tomato looperChrysodeixis chalcites (Lepidoptera: Noctuidae): An ultrastructural analysis. Archives of Insect Biochemistry and Physiology, 1997, 35, 179-190.	1.5	12
486	In vivo and in vitro effects of tebufenozide and 20-hydroxyecdysone on chitin synthesis. Archives of Insect Biochemistry and Physiology, 1999, 41, 33-41.	1.5	12

#	Article	IF	Citations
487	Action of 24-epibrassinolide on a cell line of the beet armyworm,Spodoptera exigua. Archives of Insect Biochemistry and Physiology, 2005, 58, 145-156.	1.5	12
488	Insecticidal activity and composition of essential oils from Pistacia atlantica subsp. kurdica against the model and stored product pest beetle Tribolium castaneum. Phytoparasitica, 2016, 44, 601-607.	1.2	12
489	Corazonin Signaling Is Required in the Male for Sperm Transfer in the Oriental Fruit Fly Bactrocera dorsalis. Frontiers in Physiology, 2018, 9, 660.	2.8	12
490	Pattern of population structuring between Belgian and Estonian bumblebees. Scientific Reports, 2019, 9, 9651.	3.3	12
491	Molecular characterization of ecdysis triggering hormone and its receptor in citrus red mite (Panonychus citri). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2019, 230, 100-105.	1.8	12
492	Foliar persistence and residual activity of four insecticides of different mode of action on the predator Engytatus varians (Hemiptera: Miridae). Chemosphere, 2019, 235, 76-83.	8.2	12
493	Tudor knockdown disrupts ovary development in Bactrocera dorsalis. Insect Molecular Biology, 2019, 28, 136-144.	2.0	12
494	Synthesis and biological roles of O-glycans in insects. Glycoconjugate Journal, 2020, 37, 47-56.	2.7	12
495	MiR-189942 regulates fufenozide susceptibility by modulating ecdysone receptor isoform B in Plutella xylostella (L.). Pesticide Biochemistry and Physiology, 2020, 163, 235-240.	3.6	12
496	Parental silencing of a horizontally transferred carotenoid desaturase gene causes a reduction of red pigment and fitness in the pea aphid. Pest Management Science, 2020, 76, 2423-2433.	3.4	12
497	Intracellular quercetin accumulation and its impact on mitochondrial dysfunction in intestinal Caco-2 cells. Food Research International, 2021, 145, 110430.	6.2	12
498	Whole-Genome Sequence Analysis of Bombella intestini LMG 28161T, a Novel Acetic Acid Bacterium Isolated from the Crop of a Red-Tailed Bumble Bee, Bombus lapidarius. PLoS ONE, 2016, 11, e0165611.	2.5	12
499	The Holobiont as a Key to the Adaptation and Conservation of Wild Bees in the Anthropocene. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	12
500	Risk assessment of RNAi-based pesticides to non-target organisms: Evaluating the effects of sequence similarity in the parasitoid wasp Telenomus podisi. Science of the Total Environment, 2022, 832, 154746.	8.0	12
501	Species Specificity of Changes in Ecdysteroid Metabolism in Response to Ecdysteroid Agonists. Pesticide Biochemistry and Physiology, 2002, 72, 91-99.	3.6	11
502	Uptake and distribution of three insect growth regulators â€" diflubenzuron, flucycloxuron and halofenozide â€" in pupae and adults ofTenebrio molitor. Phytoparasitica, 2006, 34, 187-196.	1.2	11
503	Toxicity and kinetics of spinosad in different developmental stages of the endoparasitoid Hyposoter didymator (Hymenoptera: Ichneumonidae) and its host Spodoptera littoralis larvae (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Overloc		
504	Sequencing and structural homology modeling of the ecdysone receptor in two chrysopids used in biological control of pest insects. Ecotoxicology, 2012, 21, 906-918.	2.4	11

#	Article	IF	Citations
505	USE OF PRIMARY CULTURES OF KENYON CELLS FROM BUMBLEBEE BRAINS TO ASSESS PESTICIDE SIDE EFFECTS. Archives of Insect Biochemistry and Physiology, 2013, 84, 43-56.	1.5	11
506	Transfection of BmCPV genomic dsRNA in silkmoth-derived Bm5 cells: Stability and interactions with the core RNAi machinery. Journal of Insect Physiology, 2014, 64, 21-29.	2.0	11
507	Modulation of the transcriptional response of innate immune and RNAi genes upon exposure to dsRNA and LPS in silkmoth-derived Bm5 cells overexpressing BmToll9-1 receptor. Journal of Insect Physiology, 2014, 66, 10-19.	2.0	11
508	Characterization of a Î²-Adrenergic-Like Octopamine Receptor in the Oriental Fruit Fly, Bactrocera dorsalis (Hendel). International Journal of Molecular Sciences, 2016, 17, 1577.	4.1	11
509	Comparative Analysis of Differential Gene Expression Profiling of Sex-Bias Fat Body of Bactrocera dorsalis (Diptera: Tephritidae) Identifying a New Vitellogenin Gene. Annals of the Entomological Society of America, 2018, 111, 43-54.	2.5	11
510	Influence of pollinator abundance and flower visitation on seed yield in red clover. Arthropod-Plant Interactions, 2018, 12, 339-349.	1.1	11
511	Targeting a coatomer protein complex-I gene via RNA interference results in effective lethality in the pollen beetle Brassicogethes aeneus. Journal of Pest Science, 2021, 94, 703-712.	3.7	11
512	More is less: mass-flowering fruit tree crops dilute parasite transmission between bees. International Journal for Parasitology, 2021, 51, 777-785.	3.1	11
513	Towards Integrated Pest and Pollinator Management in Intensive Pear Cultivation: A Case Study from Belgium. Insects, 2021, 12, 901.	2.2	11
514	Long-Term Effects of Methoxyfenozide on the Adult Reproductive Processes and Longevity of Spodoptera exigua (Lepidoptera: Noctuidae). Journal of Economic Entomology, 2011, 104, 1229-1235.	1.8	10
515	Time-resolved quantitative analysis of CCK1 receptor-induced intracellular calcium increase. Peptides, 2012, 34, 219-225.	2.4	10
516	Preference of cereal aphids for different varieties of winter wheat. Arthropod-Plant Interactions, 2012, 6, 345-350.	1.1	10
517	Miniatureâ€dispenserâ€based bioassay to evaluate the compatibility of powder formulations used in an entomovectoring approach. Pest Management Science, 2012, 68, 922-927.	3.4	10
518	Multitrophic Interactions: The Entomovector Technology. , 2012, , 127-157.		10
519	Foliar persistence and residual activity of methoxyfenozide against beet armyworm (<scp>L</scp>epidoptera: <scp>N</scp>octuidae). Insect Science, 2013, 20, 734-742.	3.0	10
520	Ecotoxicity of binary mixtures of Microcystis aeruginosa and insecticides to Daphnia pulex. Environmental Pollution, 2014, 188, 56-63.	7.5	10
521	Phylogeny of five predominant pospiviroid species in Belgium. European Journal of Plant Pathology, 2017, 149, 25-33.	1.7	10
522	Expression of ribosome-inactivating proteins from apple in tobacco plants results in enhanced resistance to Spodoptera exigua. Journal of Asia-Pacific Entomology, 2017, 20, 1-5.	0.9	10

#	Article	IF	Citations
523	Evolutionarily conserved and species-specific glycoproteins in the N-glycoproteomes of diverse insect species. Insect Biochemistry and Molecular Biology, 2018, 100, 22-29.	2.7	10
524	Inter- and Intrafield Distribution of Cereal Leaf Beetle Species (Coleoptera: Chrysomelidae) in Belgian Winter Wheat. Environmental Entomology, 2019, 48, 276-283.	1.4	10
525	Target of rapamycin (TOR) determines appendage size during pupa formation of the red flour beetle Tribolium castaneum. Journal of Insect Physiology, 2019, 117, 103902.	2.0	10
526	Bioactivity-guided isolation of rosmarinic acid as the principle bioactive compound from the butanol extract of Isodon rugosus against the pea aphid, Acyrthosiphon pisum. PLoS ONE, 2019, 14, e0215048.	2.5	10
527	The cuticle protein MPCP2 is involved in Potato virus Y transmission in the green peach aphid Myzus persicae. Journal of Plant Diseases and Protection, 2019, 126, 351-357.	2.9	10
528	Genetic classification of Vietnamese cacao cultivars assessed by SNP and SSR markers. Tree Genetics and Genomes, 2020, 16, 1.	1.6	10
529	N-glycosylation Site Analysis Reveals Sex-related Differences in Protein N-glycosylation in the Rice Brown Planthopper (Nilaparvata lugens). Molecular and Cellular Proteomics, 2020, 19, 529-539.	3.8	10
530	Flavonoids and cellular stress: a complex interplay affecting human health. Critical Reviews in Food Science and Nutrition, 2022, 62, 8535-8566.	10.3	10
531	CCHamide2-receptor regulates feeding behavior in the pea aphid, Acyrthosiphon pisum. Peptides, 2021, 143, 170596.	2.4	10
532	Laboratory study of the effects of leek lectin (APA) in transgenic tobacco plants on the development of cotton leafworm Spodoptera littoralis (Lepidoptera: Noctuidae). European Journal of Entomology, 2009, 106, 21-28.	1.2	10
533	Discovery of a widespread presence bunyavirus that may have symbiontâ€like relationships with different species of aphids. Insect Science, 2022, 29, 1120-1134.	3.0	10
534	A comparative analysis of crop pollinator survey methods along a large-scale climatic gradient. Agriculture, Ecosystems and Environment, 2022, 329, 107871.	5.3	10
535	First results on the insecticidal action of saponins. Communications in Agricultural and Applied Biological Sciences, 2007, 72, 645-8.	0.0	10
536	Misidentification of OLGA-PH-J/92, believed to be the only crustacean cell line. In Vitro Cellular and Developmental Biology - Animal, 2011, 47, 665-674.	1.5	9
537	Flexibility and extracellular opening determine the interaction between ligands and insect sulfakinin receptors. Scientific Reports, 2015, 5, 12627.	3.3	9
538	Cloning and expressing a highly functional and substrate specific farnesoic acid oâ€methyltransferase from the Asian citrus psyllid (Diaphorina citri Kuwayama). FEBS Open Bio, 2015, 5, 264-275.	2.3	9
539	Insecticidal activity of a protein extracted from bulbs of Phycella australis Ravenna against the aphids Acyrthosiphon pisum Harris and Myzus persicae Sulzer. Chilean Journal of Agricultural Research, 2016, 76, 188-194.	1.1	9
540	Quercetin mitigates valinomycinâ€induced cellular stress via stressâ€induced metabolism and cell uptake. Molecular Nutrition and Food Research, 2016, 60, 972-980.	3.3	9

#	Article	IF	Citations
541	Toxicity, membrane binding and uptake of the Sclerotinia sclerotiorum agglutinin (SSA) in different insect cell lines. In Vitro Cellular and Developmental Biology - Animal, 2017, 53, 691-698.	1.5	9
542	Temporal changes in genetic variability in three bumblebee species from Rio Grande do Sul, South Brazil. Apidologie, 2018, 49, 415-429.	2.0	9
543	How Tyramine Î²-Hydroxylase Controls the Production of Octopamine, Modulating the Mobility of Beetles. International Journal of Molecular Sciences, 2018, 19, 846.	4.1	9
544	Bumble bee parasite prevalence but not genetic diversity impacted by the invasive plant Impatiens glandulifera. Ecosphere, 2019, 10, e02804.	2.2	9
545	Metabolomic Analysis of Cricket paralysis virus Infection in Drosophila S2 Cells Reveals Divergent Effects on Central Carbon Metabolism as Compared with Silkworm Bm5 Cells. Viruses, 2020, 12, 393.	3.3	9
546	dsRNA-Mediated Pest Management of Tuta absoluta Is Compatible with Its Biological Control Agent Nesidiocoris tenuis. Insects, 2021, 12, 274.	2.2	9
547	Identification and Full Characterisation of Two Novel Crustacean Infecting Members of the Family Nudiviridae Provides Support for Two Subfamilies. Viruses, 2021, 13, 1694.	3.3	9
548	Natural Products: Plant Lectins as Important Tools in Controlling Pest Insects. , 2009, , 163-187.		9
549	Ecdysone Agonists: Mechanism and Biological Activity. , 1998, , 25-39.		8
550	Effect of ace inhibitors and TMOF on growth, development, and trypsin activity of larval Spodoptera littoralis. Archives of Insect Biochemistry and Physiology, 2008, 69, 199-208.	1.5	8
551	A scientific note on the impact of acaracides on the nutritional biochemistry ofApis mellifera intermissa(Hymenoptera: Apidae). Apidologie, 2010, 41, 135-137.	2.0	8
552	Ecdysteroid receptor docking suggests that dibenzoylhydrazineâ€based insecticides are devoid of any deleterious effect on the parasitic wasp Psyttalia concolor (Hym. Braconidae). Pest Management Science, 2012, 68, 976-985.	3.4	8
553	Selectivity of diacylhydrazine insecticides to the predatory bug Orius laevigatus: in vivo and modelling/docking experiments. Pest Management Science, 2012, 68, 1586-1594.	3.4	8
554	TOXICITY OF ALLYL ESTERS IN INSECT CELL LINES AND IN <scp>S</scp>PODOPTERA LITTORALIS LARVAE. Archives of Insect Biochemistry and Physiology, 2012, 79, 18-30.	1.5	8
555	Development of cell-based bioassay with Sf9 cells expressing TcSKR1 and TcSKR2 and differential activation by sulfated and non-sulfated SK peptides. Peptides, 2014, 53, 238-242.	2.4	8
556	Thrips control with predatory mites A. limonicus and A. swirskii in different strawberry cultivation systems. Acta Horticulturae, 2017, , 833-842.	0.2	8
557	Infections of virulent and avirulent viruses differentially influenced the expression of dicer-1, ago-1, and microRNAs in Bombus terrestris. Scientific Reports, 2017, 7, 45620.	3.3	8
558	Nontransformative Strategies for RNAi in Crop Protection. , 2019, , .		8

#	Article	IF	Citations
559	Structure and Activity of a Cytosolic Ribosome-Inactivating Protein from Rice. Toxins, 2019, 11, 325.	3.4	8
560	Insect Cell Lines as Tools in Insecticide Mode of Action Research. , 2007, , 263-304.		8
561	Imaginal Discs and Tissue Cultures as Targets for Insecticide Action. , 2001, , 133-150.		8
562	A novel beeâ€friendly peptidomimetic insecticide: Synthesis, aphicidal activity and <scp>3Dâ€QSAR</scp> study of insect kinin analogs at Phe² modification. Pest Management Science, 2022, 78, 2952-2963.	3.4	8
563	Editorial overview: Pests and resistance â€" RNAi research in insects. Current Opinion in Insect Science, 2014, 6, iv-v.	4.4	7
564	Scientific note on microsatellite DNA analyses revealing diploid and haploid drones in bumblebee mass breeding. Apidologie, 2014, 45, 189-191.	2.0	7
565	Cloning and characterization of a basic cysteine-like protease (cathepsin L1) expressed in the gut of larval Diaprepes abbreviatus L. (Coleoptera: Curculionidae). Journal of Insect Physiology, 2015, 72, 1-13.	2.0	7
566	Assessment of pospiviroid transmission by myzus persicae, macrolophus pygmaeus and bombus terrestris. European Journal of Plant Pathology, 2016, 144, 289-296.	1.7	7
567	The OSTâ€complex as target for RNAiâ€based pest control in Nilaparvata lugens. Archives of Insect Biochemistry and Physiology, 2019, 101, e21555.	1.5	7
568	Gene expression profiling of ovary identified eggshell proteins regulated by 20-hydroxyecdysone in Bactrocera dorsalis. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2019, 30, 206-216.	1.0	7
569	Identification of RNAi-related genes and transgenerational efficiency of RNAi in Artemia franciscana. Aquaculture, 2019, 501, 285-292.	3.5	7
570	Involvement of OsRIP1, a ribosome-inactivating protein from rice, in plant defense against Nilaparvata lugens. Phytochemistry, 2020, 170, 112190.	2.9	7
571	Impact of insecticide and pollinator-enhancing substrate applications on cocoa (Theobroma cacao) cherelle and pod production in CÃ´te dâ€™Ivoire. Agriculture, Ecosystems and Environment, 2020, 293, 106855.	5.3	7
572	Effect of soil moisture on pupation behavior and inhabitation of Spodoptera frugiperda (Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.2	7
573	Winter activity unrelated to introgression in British bumblebee Bombus terrestris audax. Apidologie, 2021, 52, 315-327.	2.0	7
574	Reduced nest development of reared Bombus terrestris within apiary dense human-modified landscapes. Scientific Reports, 2021, 11, 3755.	3.3	7
575	Pairwise learning for predicting pollination interactions based on traits and phylogeny. Ecological Modelling, 2021, 451, 109508.	2.5	7
576	Efficacy and biosafety assessment of neuropeptide CAPA analogues against the peachâ€potato aphid () Tj ETQq0 0 0 rgBT /Overlock 10	3.0	7

#	Article	IF	Citations
577	<scp>lnc94638</scp> is a testisâ€specific long nonâ€coding <scp>RNA</scp> involved in spermatozoa formation in <scp>Zeugodacus cucurbitae (Coquillett)</scp>. Insect Molecular Biology, 2021, 30, 605-614.	2.0	7
578	Molting process revealed by the detailed expression profiles of RXR1/RXR2 and mining the associated genes in a spider mite, Panonychus citri. Insect Science, 2021, , .	3.0	7
579	Complete mitochondrial genomes of four species of praying mantises (Dictyoptera, Mantidae) with ribosomal second structure, evolutionary and phylogenetic analyses. PLoS ONE, 2021, 16, e0254914.	2.5	7
580	Variation of Morphological Traits and Quality Indices of Micropropagated Melia volkensii GÃ¼rke Clones before Field Planting. Forests, 2022, 13, 337.	2.1	7
581	Uniting RNAi Technology and Conservation Biocontrol to Promote Global Food Security and Agrobiodiversity. Frontiers in Bioengineering and Biotechnology, 2022, 10, 871651.	4.1	7
582	DsRNAs spray enhanced the virulence of entomopathogenic fungi Beauveria bassiana in aphid control. Journal of Pest Science, 2023, 96, 241-251.	3.7	7
583	Transcriptome analysis of neuropeptides in the beneficial insect lacewing (Chrysoperla carnea) identifies kinins as a selective pesticide target: a biostable kinin analogue with activity against the peach potato aphid Myzus persicae. Journal of Pest Science, 2023, 96, 253-264.	3.7	7
584	Insect growth regulators as potential insecticides to control olive fruit fly (Bactrocera oleae) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 27-34.	3.4	6
585	CHARACTERIZATION AND EXPRESSION PROFILES OF FIVE POSSIBLE CYTOCHROME P450 GENES FROM Liposcelis entomophila (ENDERLEIN) (PSOCOPTERA: LIPOSCELIDIDAE). Archives of Insect Biochemistry and Physiology, 2016, 92, 259-273.	1.5	6
586	Molecular characterization of Vietnamese cocoa genotypes (Theobroma cacao L.) using microsatellite markers. Tree Genetics and Genomes, 2017, 13, 1.	1.6	6
587	Cytoplasmic glutamine synthetase gene expression regulates larval development in Bactrocera dorsalis (Hendel). Archives of Insect Biochemistry and Physiology, 2018, 97, e21447.	1.5	6
588	Label-free based quantitative proteomic analysis identifies proteins involved in the testis maturation of Bactrocera dorsalis (Hendel). Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2018, 25, 9-18.	1.0	6
589	A prokaryoticâ€“eukaryotic relation in the fat body of Bombus terrestris. Environmental Microbiology Reports, 2018, 10, 644-650.	2.4	6
590	Crustacean cardioactive peptide (CCAP) of the oriental fruit fly, Bactrocera dorsalis (Diptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Peptides, 2019, 122, 169929.	2.4	6
591	Genetic structure of two Plusiinae species suggests recent expansion of Chrysodeixis includens in the American continent. Agricultural and Forest Entomology, 2021, 23, 250-260.	1.3	6
592	Comparative genomic analysis and mosquito larvicidal activity of four Bacillus thuringiensis serovar israelensis strains. Scientific Reports, 2020, 10, 5518.	3.3	6
593	Genomics, transcriptomics, and peptidomics of Spodoptera frugiperda (Lepidoptera, Noctuidae) neuropeptides. Archives of Insect Biochemistry and Physiology, 2021, 106, e21740.	1.5	6
594	Parental RNA interference as a tool to study genes involved in rostrum development in the Neotropical brown stink bug, Euschistus heros. Journal of Insect Physiology, 2021, 128, 104161.	2.0	6

#	Article	IF	Citations
595	RNAi of the Nâ€glycosylationâ€related genes confirms their importance in insect development and Î±â€1,6â€fucosyltransferase plays a role in the ecdysis event for the hemimetabolous pest insect Nilaparvata lugens. Insect Science, 2022, 29, 91-99.	3.0	6
596	Binding of Orysata lectin induces an immune response in insect cells. Insect Science, 2021, , .	3.0	6
597	The Nâ€glycosylationâ€related genes as potential targets for <scp>RNAi</scp>â€mediated pest control of the Colorado potato beetle (Leptinotarsa decemlineata). Pest Management Science, 2022, 78, 3815-3822.	3.4	6
598	Translocation of Tebuconazole between Bee Matrices and Its Potential Threat on Honey Bee (Apis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.2	6
599	Structural changes under low evolutionary constraint may decrease the affinity of dibenzoylhydrazine insecticides for the ecdysone receptor in nonâ€lepidopteran insects. Insect Molecular Biology, 2012, 21, 488-501.	2.0	5
600	Effect of the mycotoxin deoxynivalenol on grain aphid Sitobion avenae and its parasitic wasp Aphidius ervi through food chain contamination. Arthropod-Plant Interactions, 2016, 10, 323-329.	1.1	5
601	Chemical reproductive traits of diploid Bombus terrestris males: Consequences on bumblebee conservation. Insect Science, 2017, 24, 623-630.	3.0	5
602	Matching commercial thrips predating phytoseids with the highly diversified climatic conditions of different strawberry production systems. Acta Horticulturae, 2017, , 863-870.	0.2	5
603	Information content in pollination network reveals missing interactions. Ecological Modelling, 2020, 431, 109161.	2.5	5
604	Laboratory and Greenhouse Evaluation of Melia volkensii Extracts for Potency against African Sweet Potato Weevil, Cylas puncticollis, and Fall Armyworm, Spodoptera frugiperda. Agronomy, 2021, 11, 1994.	3.0	5
605	SAR and QSAR Studies For In Vivo and In Vitro Activities of Ecdysone Agonists. , 2009, , 475-509.		5
606	The Single von Willebrand factor C-domain protein (SVC) coding gene is not involved in the hymenoptaecin upregulation after Israeli acute paralysis virus (IAPV) injection in the bumblebee Bombus terrestris. Developmental and Comparative Immunology, 2018, 81, 152-155.	2.3	5
607	Effect of 20â€hydroxyecdysone agonist, tebufenozide, on preâ€and postâ€diapause larvae of Dendrolimus pini (L.)(Lep., Lasiocampidae). Journal of Applied Entomology, 1999, 123, 151-157.	1.8	4
608	Presence of angiotensin converting enzyme isoforms in larval lepidoptera (Spodoptera littoralis). Peptides, 2007, 28, 119-126.	2.4	4
609	Production and enrichment of bioactive peptides derived from milk proteins. , 2009, , 51-67.		4
610	In vitro activity of pacifastin-like inhibitors in relation to their structural characteristics. Peptides, 2011, 32, 539-544.	2.4	4
611	Recruitment to forage of bumblebees in artificial low light is less impaired in light sensitive colonies, and not only determined by external morphological parameters. Journal of Insect Physiology, 2013, 59, 913-918.	2.0	4
612	Cell-Based Screening Systems for Insecticides. , 2013, , 107-134.		4

#	Article	IF	Citations
613	Analysis of interaction of phenolic compounds with the cholecystokinin signaling pathway to explain effects on reducing food intake. Peptides, 2014, 53, 225-231.	2.4	4
614	The role of weeds in the epidemiology of pospiviroids. Weed Research, 2015, 55, 631-638.	1.7	4
615	A scientific note on first detection of Kashmir bee virus in Apis mellifera (Hymenoptera: Apidae) in South America. Apidologie, 2018, 49, 220-223.	2.0	4
616	Unraveling the genetic background of the Yangambi Research Center cacao germplasm collection, DR Congo. Tree Genetics and Genomes, 2018, 14, 1.	1.6	4
617	Temporal drop of genetic diversity in Bombus pauloensis. Apidologie, 2019, 50, 526-537.	2.0	4
618	Cell line-dependent increase in cellular quercetin accumulation upon stress induced by valinomycin and lipopolysaccharide, but not by TNF-Î±. Food Research International, 2019, 125, 108596.	6.2	4
619	Level of Genetic Diversity in European Bumblebees is Not Determined by Local Species Abundance. Frontiers in Genetics, 2019, 10, 1262.	2.3	4
620	The lectin Orysata induces phosphatase-mediated and carbohydrate-independent aggregation of insect cells. Journal of Insect Physiology, 2021, 131, 104241.	2.0	4
621	Managed bumble bees acquire parasites from their foraging environment: A case study on parasite spillback. Journal of Invertebrate Pathology, 2021, 182, 107583.	3.2	4
622	Genome-Wide Characterization and Identification of Long Non-Coding RNAs during the Molting Process of a Spider Mite, Panonychus citri. International Journal of Molecular Sciences, 2021, 22, 6909.	4.1	4
623	Prevalence of a Novel Bunyavirus in Tea Tussock Moth Euproctis pseudoconspersa (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Ov	1.5	4
624	Increased compositional heterogeneity of massâ€flowering orchard crops does not promote wild bee abundance in orchards. Agricultural and Forest Entomology, 0, , .	1.3	4
625	Diversity in Factors Regulating Ecdysteroidogenesis in Insects. , 2009, , 283-315.		4
626	Fungicidal effect of chitosan derivatives containing an N-alkyl group on grey mould Botryti77s cinerea and rice leaf blast Pyricularia grisea. Communications in Agricultural and Applied Biological Sciences, 2005, 70, 219-23.	0.0	4
627	Analysis of lectin concentrations in different Rhizoctonia solani strains. Communications in Agricultural and Applied Biological Sciences, 2007, 72, 639-44.	0.0	4
628	Short Neuropeptide F and Its Receptor Regulate Feeding Behavior in Pea Aphid (Acyrthosiphon pisum). Insects, 2022, 13, 282.	2.2	4
629	Linking remote sensing data to the estimation of pollination services in agroecosystems. Ecological Applications, 2022, , e2605.	3.8	4
630	First Evidence of Feeding-Induced RNAi in Banana Weevil via Exogenous Application of dsRNA. Insects, 2022, 13, 40.	2.2	4

#	Article	IF	Citations
631	The impact of mass-flowering crops on bee pathogen dynamics. International Journal for Parasitology: Parasites and Wildlife, 2022, 18, 135-147.	1.5	4
632	IN VITRO AND IN VIVO EFFECTS OF A FAT BODY EXTRACT ON SPODOPTERA LITTORALIS. In Vitro Cellular and Developmental Biology - Animal, 2001, 37, 90.	1.5	3
633	16thInternational Ecdysone Workshop: July 10â€“14, 2006, Ghent University, Belgium. Journal of Insect Science, 2007, 7, 1-57.	1.5	3
634	Viroidâ€“insectâ€“plant interactions. , 2014, , 277-290.		3
635	Rearing <scp>E</scp>uropean brown shrimp (<scp>C</scp>rangon crangon,<scp>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5 Aquaculture, 2015, 7, 262-282.	9.0	3
636	Are Corolla Tube Dimensions the Reason for Low Seed Yield in Tetraploid Red Clover?. , 2016, , 293-297.		3
637	Development and application of a duplex PCR assay for detection of Crangon crangon bacilliform virus in populations of European brown shrimp (Crangon crangon). Journal of Invertebrate Pathology, 2018, 153, 195-202.	3.2	3
638	Reduced Glutamine Synthetase Activity Alters the Fecundity of Female Bactrocera dorsalis (Hendel). Insects, 2019, 10, 186.	2.2	3
639	Quantity and transmission efficiency of an isolate of the Potato virus Yâ€“Wilga (PVYNâ^Wi) by aphid species reared on different host plants. Journal of Plant Diseases and Protection, 2019, 126, 529-534.	2.9	3
640	Double-stranded RNA reduces growth rates of the gut parasite Crithidia mellificae. Parasitology Research, 2019, 118, 715-721.	1.6	3
641	Protection of rice against Nilaparvata lugens by direct toxicity of sodium selenate. Archives of Insect Biochemistry and Physiology, 2020, 103, e21644.	1.5	3
642	The Independent Biological Activity of Bacillus thuringiensis Cry23Aa Protein Against Cylas puncticollis. Frontiers in Microbiology, 2020, 11, 1734.	3.5	3
643	Myosuppressin influences fecundity in the Colorado potato beetle, Leptinotarsa decemlineata. Insect Science, 2020, 28, 1191-1201.	3.0	3
644	Evaluating the effect of seven plant essential oils on pollen beetle (Brassicogethes aeneus) survival and mobility. Crop Protection, 2020, 134, 105181.	2.1	3
645	Distribution of a model biocontrol agent (SerenadeÂ® MAX) in apple and pear by mason bees and bumble bee s. Agricultural and Forest Entomology, 2021, 23, 97-103.	1.3	3
646	Boosting dsRNA delivery in plant and insect cells with peptide- and polymer-based carriers: case-based current status and future perspectives.. , 2021, , 102-116.		3
647	RNAi-Mediated Silencing of Pgants Shows Core 1 O-Glycans Are Required for Pupation in Tribolium castaneum. Frontiers in Physiology, 2021, 12, 629682.	2.8	3
648	Can Plant Lectins Help to Elucidate Insect Lectin-Mediated Immune Response?. Insects, 2021, 12, 497.	2.2	3

#	Article	IF	Citations
649	Ecological Intensification: Managing Biocomplexity and Biodiversity in Agriculture Through Pollinators, Pollination and Deploying Biocontrol Agents against Crop and Pollinator Diseases, Pests and Parasites. , 2020, , 19-51.		3
650	Comparative toxicity of three ecdysone agonist insecticides against the Mediterranean flour moth. Communications in Agricultural and Applied Biological Sciences, 2005, 70, 767-73.	0.0	3
651	Fungicidal activity of some O-acyl chitosan derivatives against grey mould Botrytis cinerea and rice leaf blast Pyricularia grisea. Communications in Agricultural and Applied Biological Sciences, 2005, 70, 215-8.	0.0	3
652	Side-effects of glyphosate on the life parameters of Eriopis connexa (Coleoptera: Coccinelidae) in Argentina. Communications in Agricultural and Applied Biological Sciences, 2010, 75, 367-72.	0.0	3
653	Toxicity of cypermethrin on the neotropical lacewing Chrysoperla externa (Neuroptera: Chrysopidae). Communications in Agricultural and Applied Biological Sciences, 2013, 78, 339-44.	0.0	3
654	Quercetin Mitigates Endothelial Activation in a Novel Intestinal-Endothelial-Monocyte/Macrophage Coculture Setup. Inflammation, 2022, 45, 1600-1611.	3.8	3
655	Insecticidal activity of the essential oils from yarrow (Achillea wilhelmsii L.) and sweet asafetida (Ferula assa-foetida L.) against Aphis gossypii Glover. (Hemiptera: Aphididae) under controlled laboratory conditions. International Journal of Tropical Insect Science, 2022, 42, 2827-2833.	1.0	3
656	Endocrine background of how 20-hydroxyecdysone agonist, RH 5849, influences diurnal pattern of pupation in Spodoptera littoralis. Entomologia Experimentalis Et Applicata, 1998, 87, 255-261.	1.4	2
657	Effects of RHâ€5992 on ecdysteroidogenesis of the prothoracic glands during the fourth larval instar of the silkworm, Bombyx mori. Archives of Insect Biochemistry and Physiology, 2008, 68, 197-205.	1.5	2
658	Quantitative Trait Loci for Light Sensitivity, Body Weight, Body Size, and Morphological Eye Parameters in the Bumblebee, Bombus terrestris. PLoS ONE, 2015, 10, e0125011.	2.5	2
659	Data relating to threats to passion fruit production in the Neotropics due to agricultural area loss and pollinator mismatch as consequence of climate changes. Data in Brief, 2019, 23, 103802.	1.0	2
660	Letâ€™s talk about sexes: sex-related N-glycosylation in ecologically important invertebrates. Glycoconjugate Journal, 2020, 37, 41-46.	2.7	2
661	Highly diverse and rapidly spreading: Melanagromyza sojae threatens the soybean belt of South America. Biological Invasions, 2021, 23, 1405-1423.	2.4	2
662	The Bee Hemolymph Metabolome: A Window into the Impact of Viruses on Bumble Bees. Viruses, 2021, 13, 600.	3.3	2
663	Women must be equal partners in science: gender-balance lessons from biology. Pure and Applied Chemistry, 2021, 93, 857-867.	1.9	2
664	Action of the ecdysteroid agonist tebufenozide in susceptible and artificially selected beet armyworm. Pest Management Science, 1998, 54, 27-34.	0.4	2
665	Action and pharmacokinetics of a novel insect growth regulator, halofenozide, in adult beetles of Aubeonymus mariaefranciscae and Leptinotarsa decemlineata. Archives of Insect Biochemistry and Physiology, 1999, 41, 201-213.	1.5	2
666	Bumble Bee Foraged Pollen Analyses in Spring Time in Southern Estonia Shows Abundant Food Sources. Insects, 2021, 12, 922.	2.2	2

#	Article	IF	Citations
667	First Report of Hop latent viroid in Belgian Hops. Plant Disease, 2016, 100, 1956-1956.	1.4	2
668	Cocoon-Spinning Behavior and 20-Hydroxyecdysone Regulation of Fibroin Genes in Plutella xylostella. Frontiers in Physiology, 2020, 11, 574800.	2.8	2
669	RNA Interference-Based Forest Protection Products (FPPs) Against Wood-Boring Coleopterans: Hope or Hype?. Frontiers in Plant Science, 2021, 12, 733608.	3.6	2
670	Laboratory evaluation of Bacillus thuringiensis (Vectobac WDG) against mosquito larvae, Culex pipiens and Culiseta longiareolata. Communications in Agricultural and Applied Biological Sciences, 2008, 73, 603-9.	0.0	2
671	Use of cell cultures in vitro to assess the uptake of long dsRNA in plant cells. In Vitro Cellular and Developmental Biology - Plant, 0, , 1.	2.1	2
672	ACE Inhibitor Captopril Reduces Ecdysteroids and Oviposition in Moths. Annals of the New York Academy of Sciences, 2005, 1040, 498-500.	3.8	1
673	Applications and future directions in invertebrate and fish cell culture. In Vitro Cellular and Developmental Biology - Animal, 2009, 45, 91-92.	1.5	1
674	Safe-Guarding Bee Diversity and Food Provisioning. , 2017, , .		1
675	Potentials and Limitations of a Growing Degree Day Approach to Predict the Phenology of Cereal Leaf Beetles. Environmental Entomology, 2018, 47, 1039-1046.	1.4	1
676	Improvements in larviculture of Crangon crangon as a step towards its commercial aquaculture. Aquaculture Research, 2019, 50, 1658-1667.	1.8	1
677	Anther-Feeding-Induced RNAi in Brassicogethes aeneus Larvae. Frontiers in Agronomy, 2021, 3, .	3.3	1
678	Characterization of carotenoid biosynthetic pathway genes in the pea aphid (<i>Acyrthosiphon) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 2022, 29, 645-656.	3.0	1
679	Glycosylation reduces the glycan-independent immunomodulatory effect of recombinant Orysata lectin in Drosophila S2 cells. Scientific Reports, 2021, 11, 17958.	3.3	1
680	ACUTE AND CHRONIC EFFECTS OF SPINOSAD ON BUMBLE BEES, Bombus terrestris L. UNDER LABORATORY CONDITIONS. Journal of Plant Protection and Pathology, 2011, 2, 677-690.	0.1	1
681	Area-wide survey of thiamethoxam resistance and control failure likelihood in the rice stink bugs Oebalus poecilus and O. ypsilongriseus. Journal of Pest Science, 0, , 1.	3.7	1
682	Advances in the Implementation of Apivectoring Technology in Colombia: Strawberry Case (Fragaria x) Tj ETQq0 0 0 rgBT /Overlock 10 T		1
683	Oviposition preference and two-sex life table of Plutella xylostella and its association with defensive enzymes in three Brassicaceae crops. Crop Protection, 2022, 151, 105816.	2.1	1
684	Threat of Drosophila suzukii as an Invasive Species and the Potential of Entomovectoring. , 2020, , 147-164.		1

#	Article	IF	Citations
685	Ecdysteroids and Their Importance in Endocrine Disruption Research. , 2009, , 539-549.		1
686	Developmental Oâ€glycan profile analysis shows pentasaccharide mucinâ€type Oâ€glycans are linked with pupation of Tribolium castaneum. Archives of Insect Biochemistry and Physiology, 2022, 109, e21852.	1.5	1
687	Insecticidal and fungicidal activity of new N,O-acyl Chitosan derivatives. Communications in Agricultural and Applied Biological Sciences, 2004, 69, 793-7.	0.0	1
688	Insecticidal and growth inhibitory effects of new O-acyl chitosan derivatives on the cotton leafworm Spodoptera littoralis. Communications in Agricultural and Applied Biological Sciences, 2005, 70, 817-21.	0.0	1
689	Activity of kk-42 in combinated treatment with RH-0345 or 20-hydroxyecdysone on morphometric measurements and free ecdysteroid in eggs of mealworms. Communications in Agricultural and Applied Biological Sciences, 2005, 70, 837-41.	0.0	1
690	In vivo effect of ACE inhibiting in mealworms on ovarian composition and ecdysteroid amounts. Communications in Agricultural and Applied Biological Sciences, 2007, 72, 623-7.	0.0	1
691	Critical View on the Importance of Host Defense Strategies on Virus Distribution of Bee Viruses: What Can We Learn from SARS-CoV-2 Variants?. Viruses, 2022, 14, 503.	3.3	1
692	Editorial: Advances and Challenges of RNAi Based Technologies for Plantsâ€”Volume 2. Frontiers in Plant Science, 0, 13, .	3.6	1
693	Determination of Tritiated Dexamethasone in Rat Liver and Muscle:Â Comparison of Two Sample Preparation Techniques, Combustion and Solubilization, Prior to Liquid Scintillation Counting. Journal of Agricultural and Food Chemistry, 1998, 46, 5151-5155.	5.2	0
694	Preface: Papers from the 16th International Ecdysone Workshop. Archives of Insect Biochemistry and Physiology, 2007, 65, 51-51.	1.5	0
695	Preface: Papers from the 16th International Ecdysone Workshop. Archives of Insect Biochemistry and Physiology, 2007, 65, 113-113.	1.5	0
696	Development of a CCK1R-membrane nanoparticle as a fish-out tool for bioactive peptides. Peptides, 2015, 68, 219-227.	2.4	0
697	Cell-Based Screening Systems for Developing Novel Insecticides: Insights from the EcR-Reporter Paradigm. , 2016, , 191-204.		0
698	Toxicity and Metabolism of Zeta-Cypermethrin in Field-Collected and Laboratory Strains of the Neotropical Predator Chrysoperla externa Hagen (Neuroptera: Chrysopidae). Neotropical Entomology, 2017, 46, 310-315.	1.2	0
699	Thiamethoxam (NeonicotinoÃ¯d) and Spinosad (Bioinsecticide) Affect Hypopharyngeal Glands and Survival of Apis mellifera intermissa (Hymenoptera: Apidae). Advances in Science, Technology and Innovation, 2018, , 347-349.	0.4	0
700	The Honeybee Queen: The Implications of Eusociality on Parasite-Mediated Competition. Advances in Insect Physiology, 2018, , 47-54.	2.7	0
701	Bumble Bees and Entomovectoring in Open Field Conditions. , 2020, , 81-93.		0
702	Case Studies on Entomovectoring in the Greenhouse and Open Field. , 2020, , 123-136.		0

#	Article	IF	Citations
703	Insect growth inhibition by N-benzyl chitosan derivatives in the cotton leafworm Spodoptera littoralis. Communications in Agricultural and Applied Biological Sciences, 2004, 69, 123-6.	0.0	0
704	ACE inhibitory activity from insects after enzymatic hydrolysis. Communications in Agricultural and Applied Biological Sciences, 2004, 69, 321-4.	0.0	0
705	The hemolymph of caterpillars Spodoptera littoralis: physico-chemical properties and ionic composition compared to culture media. Communications in Agricultural and Applied Biological Sciences, 2004, 69, 15-22.	0.0	0
706	Insecticidal and growth inhibition effects of chitosan derivatives containing an N-alkyl group on the cotton leafworm Spodoptera littoralis. Communications in Agricultural and Applied Biological Sciences, 2005, 70, 823-7.	0.0	0
707	Side-effects of fenazaquin on a cellular model of Paramecium. Communications in Agricultural and Applied Biological Sciences, 2009, 74, 129-35.	0.0	0
708	Impact of the insect growth regulator diflubenzuron on biochemical composition of cuticle of the shrimp Penaeus kerathurus. Communications in Agricultural and Applied Biological Sciences, 2009, 74, 137-41.	0.0	0
709	Effects of larval exposure to sublethal concentrations of methoxyfenozide in Spodoptera frugiperda (J.E. Smith). Communications in Agricultural and Applied Biological Sciences, 2009, 74, 425-8.	0.0	0
710	Effects of tebufenozide on ovarian growth and sexual behavior in the German cockroach (Blattella) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.0	0
711	Preliminary survey of potato virus Y (PVy) strains in potato samples from Kurdistan (Iran). Communications in Agricultural and Applied Biological Sciences, 2010, 75, 783-8.	0.0	0
712	INSECTICIDAL ACTIVITY OF PROTEIN EXTRACTS OBTAINED FROM BULBS OF CHILEAN AMARYLLIDACEAE AGAINST TRIALEURODES VAPORARIORUM WESTWOOD AND PSEUDOCOCCUS VIBURNI SIGNORET. Communications in Agricultural and Applied Biological Sciences, 2015, 80, 199-203.	0.0	0
713	Early Growth Performance of In Vitro Raised Melia volkensii GÃ¼rke Plantlets in Response to Beneficial Microorganisms under Semi-Arid Conditions. Plants, 2022, 11, 1300.	3.5	0
714	Front Cover Image, Volume 78, Issue 7. Pest Management Science, 2022, 78, .	3.4	0