Guy Smagghe

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	DsRNAs spray enhanced the virulence of entomopathogenic fungi Beauveria bassiana in aphid control. Journal of Pest Science, 2023, 96, 241-251.	3.7	7
2	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
3	RNAi of the Nâ€glycosylationâ€related genes confirms their importance in insect development and αâ€1,6â€fucosyltransferase plays a role in the ecdysis event for the hemimetabolous pest insect <i>Nilaparvata lugens</i> . Insect Science, 2022, 29, 91-99.	3.0	6
4	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
5	Flavonoids and cellular stress: a complex interplay affecting human health. Critical Reviews in Food Science and Nutrition, 2022, 62, 8535-8566.	10.3	10
6	Characterization of carotenoid biosynthetic pathway genes in the pea aphid (<i>Acyrthosiphon) Tj ETQq0 0 0 rgE 2022, 29, 645-656.</i>	3T /Overlo 3.0	ock 10 Tf 50 5 1
7	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
8	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
9	The <i>N</i> â€glycosylationâ€related genes as potential targets for <scp>RNAi</scp> â€mediated pest control of the Colorado potato beetle (<i>Leptinotarsa decemlineata</i>). Pest Management Science, 2022, 78, 3815-3822.	3.4	6
10	Developmental <i>O</i> â€glycan profile analysis shows pentasaccharide mucinâ€ŧype <i>O</i> â€glycans are linked with pupation of <i>Tribolium castaneum</i> . Archives of Insect Biochemistry and Physiology, 2022, 109, e21852.	1.5	1
11	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
12	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
13	RNAi-Based Biocontrol Products: Market Status, Regulatory Aspects, and Risk Assessment. Frontiers in Insect Science, 2022, 1, .	2.1	36
14	Cold case: The disappearance of Egypt bee virus, a fourth distinct master strain of deformed wing virus linked to honeybee mortality in 1970's Egypt. Virology Journal, 2022, 19, 12.	3.4	17
15	A comparative analysis of crop pollinator survey methods along a large-scale climatic gradient. Agriculture, Ecosystems and Environment, 2022, 329, 107871.	5.3	10
16	Honey bees and climate explain viral prevalence in wild bee communities on a continental scale. Scientific Reports, 2022, 12, 1904.	3.3	29
17	<scp>CropPol</scp> : A dynamic, open and global database on crop pollination. Ecology, 2022, 103, e3614.	3.2	19
18	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

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19	Variation of Morphological Traits and Quality Indices of Micropropagated Melia volkensii Gürke Clones before Field Planting. Forests, 2022, 13, 337.	2.1	7
20	Short Neuropeptide F and Its Receptor Regulate Feeding Behavior in Pea Aphid (Acyrthosiphon pisum). Insects, 2022, 13, 282.	2.2	4
21	Quercetin Mitigates Endothelial Activation in a Novel Intestinal-Endothelial-Monocyte/Macrophage Coculture Setup. Inflammation, 2022, 45, 1600-1611.	3.8	3
22	Linking remote sensing data to the estimation of pollination services in agroecosystems. Ecological Applications, 2022, , e2605.	3.8	4
23	Critical links between biodiversity and health in wild bee conservation. Trends in Ecology and Evolution, 2022, 37, 309-321.	8.7	48
24	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
25	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
26	First Evidence of Feeding-Induced RNAi in Banana Weevil via Exogenous Application of dsRNA. Insects, 2022, 13, 40.	2.2	4
27	Translocation of Tebuconazole between Bee Matrices and Its Potential Threat on Honey Bee (Apis) Tj ETQq1 1	0.784314 r 2.2	gBT_/Overloc
28	A novel beeâ€friendly peptidomimetic insecticide: Synthesis, aphicidal activity and <scp>3Dâ€QSAR</scp> study of insect kinin analogs at Phe ² modification. Pest Management Science, 2022, 78, 2952-2963.	3.4	8
29	Uniting RNAi Technology and Conservation Biocontrol to Promote Global Food Security and Agrobiodiversity. Frontiers in Bioengineering and Biotechnology, 2022, 10, 871651.	4.1	7
30	Early Growth Performance of In Vitro Raised Melia volkensii Gürke Plantlets in Response to Beneficial Microorganisms under Semi-Arid Conditions. Plants, 2022, 11, 1300.	3.5	0
31	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
32	The impact of mass-flowering crops on bee pathogen dynamics. International Journal for Parasitology: Parasites and Wildlife, 2022, 18, 135-147.	1.5	4
33	Phylogenomic Analyses of <i>Snodgrassella</i> Isolates from Honeybees and Bumblebees Reveal Taxonomic and Functional Diversity. MSystems, 2022, 7, .	3.8	19
34	Front Cover Image, Volume 78, Issue 7. Pest Management Science, 2022, 78, .	3.4	0
35	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
36	Genetic structure of two Plusiinae species suggests recent expansion of <i>Chrysodeixis includens</i> in the American continent. Agricultural and Forest Entomology, 2021, 23, 250-260.	1.3	6

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37	Distribution of a model biocontrol agent (Serenade® MAX) in apple and pear by mason bees and bumble bee s. Agricultural and Forest Entomology, 2021, 23, 97-103.	1.3	3
38	<scp>RNAi</scp> â€mediated mortality in southern green stinkbug <scp><i>Nezara viridula</i></scp> by oral delivery of <scp>dsRNA</scp> . Pest Management Science, 2021, 77, 77-84.	3.4	27
39	Genomics, transcriptomics, and peptidomics of Spodoptera frugiperda (Lepidoptera, Noctuidae) neuropeptides. Archives of Insect Biochemistry and Physiology, 2021, 106, e21740.	1.5	6
40	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
41	Effect of soil moisture on pupation behavior and inhabitation of Spodoptera frugiperda (Lepidoptera:) Tj ETQq1	1 0,78431 1.2	.4 rgBT /Ov€r
42	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
43	Winter activity unrelated to introgression in British bumblebee Bombus terrestris audax. Apidologie, 2021, 52, 315-327.	2.0	7
44	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
45	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
46	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
47	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
48	Reduced nest development of reared Bombus terrestris within apiary dense human-modified landscapes. Scientific Reports, 2021, 11, 3755.	3.3	7
49	Highly diverse and rapidly spreading: Melanagromyza sojae threatens the soybean belt of South America. Biological Invasions, 2021, 23, 1405-1423.	2.4	2
50	More is less: mass-flowering fruit tree crops dilute parasite transmission between bees. International Journal for Parasitology, 2021, 51, 777-785.	3.1	11
51	dsRNA-Mediated Pest Management of Tuta absoluta Is Compatible with Its Biological Control Agent Nesidiocoris tenuis. Insects, 2021, 12, 274.	2.2	9
52	Fruit orchards and woody semi-natural habitat provide complementary resources for pollinators in agricultural landscapes. Landscape Ecology, 2021, 36, 1377-1390.	4.2	28
53	Circadian regulation of night feeding and daytime detoxification in a formidable Asian pest Spodoptera litura. Communications Biology, 2021, 4, 286.	4.4	18
54	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

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55	RNAi efficacy is enhanced by chronic dsRNA feeding in pollen beetle. Communications Biology, 2021, 4, 444.	4.4	15
56	The Bee Hemolymph Metabolome: A Window into the Impact of Viruses on Bumble Bees. Viruses, 2021, 13, 600.	3.3	2
57	Can Plant Lectins Help to Elucidate Insect Lectin-Mediated Immune Response?. Insects, 2021, 12, 497.	2.2	3
58	The lectin Orysata induces phosphatase-mediated and carbohydrate-independent aggregation of insect cells. Journal of Insect Physiology, 2021, 131, 104241.	2.0	4
59	Involvement of clathrin-dependent endocytosis in cellular dsRNA uptake in aphids. Insect Biochemistry and Molecular Biology, 2021, 132, 103557.	2.7	13
60	Bumblebee resilience to climate change, through plastic and adaptive responses. Global Change Biology, 2021, 27, 4223-4237.	9.5	49
61	Women must be equal partners in science: gender-balance lessons from biology. Pure and Applied Chemistry, 2021, 93, 857-867.	1.9	2
62	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
63	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
64	Anther-Feeding-Induced RNAi in Brassicogethes aeneus Larvae. Frontiers in Agronomy, 2021, 3, .	3.3	1
65	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
66	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
67	Pairwise learning for predicting pollination interactions based on traits and phylogeny. Ecological Modelling, 2021, 451, 109508.	2.5	7
68	Intracellular quercetin accumulation and its impact on mitochondrial dysfunction in intestinal Caco-2 cells. Food Research International, 2021, 145, 110430.	6.2	12
69	Prevalence of a Novel Bunyavirus in Tea Tussock Moth <i>Euproctis pseudoconspersa</i> (Lepidoptera:) Tj ETQq1	1 0.78431 1.5	l4 rgBT /Ov
70	Does RNAi-Based Technology Fit within EU Sustainability Goals?. Trends in Biotechnology, 2021, 39, 644-647.	9.3	38
71	Impact of intraspecific variation on measurements of thermal tolerance in bumble bees. Journal of Thermal Biology, 2021, 99, 103002.	2.5	17

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73	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
74	<scp><i>lnc94638</i></scp> is a testisâ€specific long nonâ€coding <scp>RNA</scp> involved in spermatozoa formation in <scp><i>Zeugodacus cucurbitae</i> (Coquillett)</scp> . Insect Molecular Biology, 2021, 30, 605-614.	2.0	7
75	Regulatory roles of microRNAs in insect pests: prospective targets for insect pest control. Current Opinion in Biotechnology, 2021, 70, 158-166.	6.6	33
76	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
77	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
78	CCHamide2-receptor regulates feeding behavior in the pea aphid, Acyrthosiphon pisum. Peptides, 2021, 143, 170596.	2.4	10
79	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
80	Binding of Orysata lectin induces an immune response in insect cells. Insect Science, 2021, , .	3.0	6
81	Glycosylation reduces the glycan-independent immunomodulatory effect of recombinant Orysata lectin in Drosophila S2 cells. Scientific Reports, 2021, 11, 17958.	3.3	1
82	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
83	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
84	Silencing of Double-Stranded Ribonuclease Improves Oral RNAi Efficacy in Southern Green Stinkbug Nezara viridula. Insects, 2021, 12, 115.	2.2	18
85	Bumble Bee Foraged Pollen Analyses in Spring Time in Southern Estonia Shows Abundant Food Sources. Insects, 2021, 12, 922.	2.2	2
86	Towards Integrated Pest and Pollinator Management in Intensive Pear Cultivation: A Case Study from Belgium. Insects, 2021, 12, 901.	2.2	11
87	CRISPR/Cas9 in lepidopteran insects: Progress, application and prospects. Journal of Insect Physiology, 2021, 135, 104325.	2.0	29
88	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
89	RNA Interference-Based Forest Protection Products (FPPs) Against Wood-Boring Coleopterans: Hope or Hype?. Frontiers in Plant Science, 2021, 12, 733608.	3.6	2
90	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

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91	RNAi Targets in Agricultural Pest Insects: Advancements, Knowledge Gaps, and IPM. Frontiers in Agronomy, 2021, 3, .	3.3	15
92	Let's talk about sexes: sex-related N-glycosylation in ecologically important invertebrates. Glycoconjugate Journal, 2020, 37, 41-46.	2.7	2
93	Synthesis and biological roles of O-glycans in insects. Glycoconjugate Journal, 2020, 37, 47-56.	2.7	12
94	Protection of rice against Nilaparvata lugens by direct toxicity of sodium selenate. Archives of Insect Biochemistry and Physiology, 2020, 103, e21644.	1.5	3
95	Shift in size of bumblebee queens over the last century. Global Change Biology, 2020, 26, 1185-1195.	9.5	35
96	Involvement of OsRIP1, a ribosome-inactivating protein from rice, in plant defense against Nilaparvata lugens. Phytochemistry, 2020, 170, 112190.	2.9	7
97	RNAâ€based biocontrol compounds: current status and perspectives to reach the market. Pest Management Science, 2020, 76, 841-845.	3.4	110
98	First report on CRISPR/Cas9-targeted mutagenesis in the Colorado potato beetle, Leptinotarsa decemlineata. Journal of Insect Physiology, 2020, 121, 104013.	2.0	26
99	Insecticidal Gene Silencing by RNAi in the Neotropical Region. Neotropical Entomology, 2020, 49, 1-11.	1.2	20
100	Bumble bee abundance and richness improves honey bee pollination behaviour in sweet cherry. Basic and Applied Ecology, 2020, 43, 27-33.	2.7	24
101	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
102	Pollination efficiency and foraging behaviour of honey bees and nonâ€ <i>Apis</i> bees to sweet cherry. Agricultural and Forest Entomology, 2020, 22, 75-82.	1.3	65
103	Recommendations for standardized oral toxicity test protocols for larvae of solitary bees, Osmia spp Apidologie, 2020, 51, 48-60.	2.0	14
104	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
105	RNAi and CRISPR/Cas9 as Functional Genomics Tools in the Neotropical Stink Bug, Euschistus heros. Insects, 2020, 11, 838.	2.2	14
106	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
107	The Independent Biological Activity of Bacillus thuringiensis Cry23Aa Protein Against Cylas puncticollis. Frontiers in Microbiology, 2020, 11, 1734.	3.5	3
108	Myosuppressin influences fecundity in the Colorado potato beetle, Leptinotarsa decemlineata. Insect Science, 2020, 28, 1191-1201.	3.0	3

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109	Genome-enabled insights into the biology of thrips as crop pests. BMC Biology, 2020, 18, 142.	3.8	54
110	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
111	Network Centrality as an Indicator for Pollinator Parasite Transmission via Flowers. Insects, 2020, 11, 872.	2.2	14
112	First Evidence of Bud Feeding-Induced RNAi in a Crop Pest via Exogenous Application of dsRNA. Insects, 2020, 11, 769.	2.2	13
113	An Antennae-Specific Odorant-Binding Protein Is Involved in Bactrocera dorsalis Olfaction. Frontiers in Ecology and Evolution, 2020, 8, .	2.2	20
114	Arabidopsis Lectin EULS3 Is Involved in ABA Signaling in Roots. Frontiers in Plant Science, 2020, 11, 437.	3.6	13
115	RNAi: What is its position in agriculture?. Journal of Pest Science, 2020, 93, 1125-1130.	3.7	84
116	Genetic classification of Vietnamese cacao cultivars assessed by SNP and SSR markers. Tree Genetics and Genomes, 2020, 16, 1.	1.6	10
117	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
118	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
119	Bee Viruses: Routes of Infection in Hymenoptera. Frontiers in Microbiology, 2020, 11, 943.	3.5	76
120	Information content in pollination network reveals missing interactions. Ecological Modelling, 2020, 431, 109161.	2.5	5
121	First transcriptome of the Neotropical pest Euschistus heros (Hemiptera: Pentatomidae) with dissection of its siRNA machinery. Scientific Reports, 2020, 10, 4856.	3.3	20
122	OsEUL Lectin Gene Expression in Rice: Stress Regulation, Subcellular Localization and Tissue Specificity. Frontiers in Plant Science, 2020, 11, 185.	3.6	16
123	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
124	A glutathione <i>S</i> â€ŧransferase (BdGSTd9) participates in malathion resistance via directly depleting malathion and its toxic oxide malaoxon in <i>Bactrocera dorsalis</i> (Hendel). Pest Management Science, 2020, 76, 2557-2568.	3.4	28
125	Biosafety of GM Crop Plants Expressing dsRNA: Data Requirements and EU Regulatory Considerations. Frontiers in Plant Science, 2020, 11, 940.	3.6	43
126	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

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127	A Growers' 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
128	Impact of insecticide and pollinator-enhancing substrate applications on cocoa (Theobroma cacao) cherelle and pod production in Côte d'lvoire. Agriculture, Ecosystems and Environment, 2020, 293, 106855.	5.3	7
129	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
130	Genome-wide gene expression profiling of the melon fly, Zeugodacus cucurbitae, during thirteen life stages. Scientific Data, 2020, 7, 45.	5.3	18
131	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
132	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
133	The Phytochemical Composition of Melia volkensii and Its Potential for Insect Pest Management. Plants, 2020, 9, 143.	3.5	13
134	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
135	Comparative genomic analysis and mosquito larvicidal activity of four Bacillus thuringiensis serovar israelensis strains. Scientific Reports, 2020, 10, 5518.	3.3	6
136	Diversity and Global Distribution of Viruses of the Western Honey Bee, Apis mellifera. Insects, 2020, 11, 239.	2.2	130
137	Evaluating the effect of seven plant essential oils on pollen beetle (Brassicogethes aeneus) survival and mobility. Crop Protection, 2020, 134, 105181.	2.1	3
138	Double-Stranded RNA Technology to Control Insect Pests: Current Status and Challenges. Frontiers in Plant Science, 2020, 11, 451.	3.6	165
139	The Use of Nanocarriers to Improve the Efficiency of RNAi-Based Pesticides in Agriculture. , 2020, , 49-68.		18
140	Exploration of the virome of the European brown shrimp (Crangon crangon). Journal of General Virology, 2020, 101, 651-666.	2.9	13
141	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
142	Advances in the Implementation of Apivectoring Technology in Colombia: Strawberry Case (Fragaria x) Tj ETQqO	0 0 rgBT /	Overlock 10
143	Cocoon-Spinning Behavior and 20-Hydroxyecdysone Regulation of Fibroin Genes in Plutella xylostella. Frontiers in Physiology, 2020, 11, 574800.	2.8	2

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.

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145	Bumble Bees and Entomovectoring in Open Field Conditions. , 2020, , 81-93.		Ο
146	Threat of Drosophila suzukii as an Invasive Species and the Potential of Entomovectoring. , 2020, , 147-164.		1
147	Case Studies on Entomovectoring in the Greenhouse and Open Field. , 2020, , 123-136.		Ο
148	Crustacean cardioactive peptide (CCAP) of the oriental fruit fly, Bactrocera dorsalis (Diptera:) Tj ETQq0 0 0 rgB1 Peptides, 2019, 122, 169929.	/Overlock 2.4	10 Tf 50 627 6
149	Genome editing in <i>Bombyx mori</i> : New opportunities for silkworm functional genomics and the sericulture industry. Insect Science, 2019, 26, 964-972.	3.0	32
150	Liposome encapsulation and EDTA formulation of dsRNA targeting essential genes increase oral RNAiâ€caused mortality in the Neotropical stink bug <i>Euschistus heros</i> . Pest Management Science, 2019, 75, 537-548.	3.4	87
151	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
152	Bumble bee parasite prevalence but not genetic diversity impacted by the invasive plant Impatiens glandulifera. Ecosphere, 2019, 10, e02804.	2.2	9
153	Generation of Virus- and dsRNA-Derived siRNAs with Species-Dependent Length in Insects. Viruses, 2019, 11, 738.	3.3	43
154	Pattern of population structuring between Belgian and Estonian bumblebees. Scientific Reports, 2019, 9, 9651.	3.3	12
155	Reduced Glutamine Synthetase Activity Alters the Fecundity of Female Bactrocera dorsalis (Hendel). Insects, 2019, 10, 186.	2.2	3
156	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
157	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
158	The South American Fruit Fly: An Important Pest Insect With RNAi-Sensitive Larval Stages. Frontiers in Physiology, 2019, 10, 794.	2.8	21
159	Nontransformative Strategies for RNAi in Crop Protection. , 2019, , .		8
160	Temporal drop of genetic diversity in Bombus pauloensis. Apidologie, 2019, 50, 526-537.	2.0	4
161	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
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