

Guy Smagghe

List of Publications by Year in descending order

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Version: 2024-02-01

714
papers

31,989
citations

10351

72
h-index

9553

142
g-index

732
all docs

732
docs citations

732
times ranked

24848
citing authors

#	ARTICLE	IF	CITATIONS
1	DsRNAs spray enhanced the virulence of entomopathogenic fungi <i>Beauveria bassiana</i> in aphid control. <i>Journal of Pest Science</i> , 2023, 96, 241-251.	1.9	7
2	Transcriptome analysis of neuropeptides in the beneficial insect lacewing (<i>Chrysoperla carnea</i>) identifies kinins as a selective pesticide target: a biostable kinin analogue with activity against the peach potato aphid <i>Myzus persicae</i> . <i>Journal of Pest Science</i> , 2023, 96, 253-264.	1.9	7
3	RNAi of the N-glycosylation-related genes confirms their importance in insect development and <i>1,6</i> -fucosyltransferase plays a role in the ecdysis event for the hemimetabolous pest insect <i>Nilaparvata lugens</i> . <i>Insect Science</i> , 2022, 29, 91-99.	1.5	6
4	GNBP1 as a potential RNAi target to enhance the virulence of <i>Beauveria bassiana</i> for aphid control. <i>Journal of Pest Science</i> , 2022, 95, 87-100.	1.9	15
5	Flavonoids and cellular stress: a complex interplay affecting human health. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 8535-8566.	5.4	10
6	Characterization of carotenoid biosynthetic pathway genes in the pea aphid (<i>Acyrtosiphon</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5 2022, 29, 645-656.	1.5	1
7	Dominance of honey bees is negatively associated with wild bee diversity in commercial apple orchards regardless of management practices. <i>Agriculture, Ecosystems and Environment</i> , 2022, 323, 107697.	2.5	25
8	Oviposition preference and two-sex life table of <i>Plutella xylostella</i> and its association with defensive enzymes in three Brassicaceae crops. <i>Crop Protection</i> , 2022, 151, 105816.	1.0	1
9	The N-glycosylation-related genes as potential targets for RNAi-mediated pest control of the Colorado potato beetle (<i>Leptinotarsa decemlineata</i>). <i>Pest Management Science</i> , 2022, 78, 3815-3822.	1.7	6
10	Developmental O-glycan profile analysis shows pentasaccharide mucin-type O-glycans are linked with pupation of <i>Tribolium castaneum</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2022, 109, e21852.	0.6	1
11	Implementation of RNAi-based arthropod pest control: environmental risks, potential for resistance and regulatory considerations. <i>Journal of Pest Science</i> , 2022, 95, 1-15.	1.9	22
12	Discovery of a widespread presence bunyavirus that may have symbiont-like relationships with different species of aphids. <i>Insect Science</i> , 2022, 29, 1120-1134.	1.5	10
13	RNAi-Based Biocontrol Products: Market Status, Regulatory Aspects, and Risk Assessment. <i>Frontiers in Insect Science</i> , 2022, 1, .	0.9	36
14	Cold case: The disappearance of Egypt bee virus, a fourth distinct master strain of deformed wing virus linked to honeybee mortality in 1970s Egypt. <i>Virology Journal</i> , 2022, 19, 12.	1.4	17
15	A comparative analysis of crop pollinator survey methods along a large-scale climatic gradient. <i>Agriculture, Ecosystems and Environment</i> , 2022, 329, 107871.	2.5	10
16	Honey bees and climate explain viral prevalence in wild bee communities on a continental scale. <i>Scientific Reports</i> , 2022, 12, 1904.	1.6	29
17	CropPol: A dynamic, open and global database on crop pollination. <i>Ecology</i> , 2022, 103, e3614.	1.5	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?. <i>Viruses</i> , 2022, 14, 503.	1.5	1

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19	Variation of Morphological Traits and Quality Indices of Micropropagated <i>Melia volkensii</i> Clones before Field Planting. <i>Forests</i> , 2022, 13, 337.	0.9	7
20	Short Neuropeptide F and Its Receptor Regulate Feeding Behavior in Pea Aphid (<i>Acyrtosiphon pisum</i>). <i>Insects</i> , 2022, 13, 282.	1.0	4
21	Quercetin Mitigates Endothelial Activation in a Novel Intestinal-Endothelial-Monocyte/Macrophage Coculture Setup. <i>Inflammation</i> , 2022, 45, 1600-1611.	1.7	3
22	Linking remote sensing data to the estimation of pollination services in agroecosystems. <i>Ecological Applications</i> , 2022, , e2605.	1.8	4
23	Critical links between biodiversity and health in wild bee conservation. <i>Trends in Ecology and Evolution</i> , 2022, 37, 309-321.	4.2	48
24	On the road: Anthropogenic factors drive the invasion risk of a wild solitary bee species. <i>Science of the Total Environment</i> , 2022, 827, 154246.	3.9	17
25	Risk assessment of RNAi-based pesticides to non-target organisms: Evaluating the effects of sequence similarity in the parasitoid wasp <i>Telenomus podisi</i> . <i>Science of the Total Environment</i> , 2022, 832, 154746.	3.9	12
26	First Evidence of Feeding-Induced RNAi in Banana Weevil via Exogenous Application of dsRNA. <i>Insects</i> , 2022, 13, 40.	1.0	4
27	Translocation of Tebuconazole between Bee Matrices and Its Potential Threat on Honey Bee (<i>Apis</i>)	1.0	0
28	A novel bee-friendly peptidomimetic insecticide: Synthesis, aphicidal activity and QSAR study of insect kinin analogs at Phe ² modification. <i>Pest Management Science</i> , 2022, 78, 2952-2963.	1.7	8
29	Uniting RNAi Technology and Conservation Biocontrol to Promote Global Food Security and Agrobiodiversity. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 871651.	2.0	7
30	Early Growth Performance of In Vitro Raised <i>Melia volkensii</i> Plantlets in Response to Beneficial Microorganisms under Semi-Arid Conditions. <i>Plants</i> , 2022, 11, 1300.	1.6	0
31	Ecological, environmental, and management data indicate apple production is driven by wild bee diversity and management practices. <i>Ecological Indicators</i> , 2022, 139, 108880.	2.6	13
32	The impact of mass-flowering crops on bee pathogen dynamics. <i>International Journal for Parasitology: Parasites and Wildlife</i> , 2022, 18, 135-147.	0.6	4
33	Phylogenomic Analyses of <i>Snodgrassella</i> Isolates from Honeybees and Bumblebees Reveal Taxonomic and Functional Diversity. <i>MSystems</i> , 2022, 7, .	1.7	19
34	Front Cover Image, Volume 78, Issue 7. <i>Pest Management Science</i> , 2022, 78, .	1.7	0
35	Insecticidal activity of the essential oils from yarrow (<i>Achillea wilhelmsii</i> L.) and sweet asafetida (<i>Ferula assa-foetida</i> L.) against <i>Aphis gossypii</i> Glover. (Hemiptera: Aphididae) under controlled laboratory conditions. <i>International Journal of Tropical Insect Science</i> , 2022, 42, 2827-2833.	0.4	3
36	Genetic structure of two <i>Plusiinae</i> species suggests recent expansion of <i>Chrysodeixis includens</i> in the American continent. <i>Agricultural and Forest Entomology</i> , 2021, 23, 250-260.	0.7	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.	0.7	3
38	<scp>RNAi</scp>-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.	1.7	27
39	Genomics, transcriptomics, and peptidomics of Spodoptera frugiperda (Lepidoptera, Noctuidae) neuropeptides. Archives of Insect Biochemistry and Physiology, 2021, 106, e21740.	0.6	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.	0.9	6
41	Effect of soil moisture on pupation behavior and inhabitation of Spodoptera frugiperda (Lepidoptera: Tj ETQq1 1 0,784314 rgBT /Overl	0.6	7
42	Targeting a coatamer 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.	1.9	11
43	Winter activity unrelated to introgression in British bumblebee Bombus terrestris audax. Apidologie, 2021, 52, 315-327.	0.9	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.	1.9	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.	1.2	17
47	Biosafety of bee pollinators in genetically modified agro-ecosystems: Current approach and further development in the <scp>EU</scp>. Pest Management Science, 2021, 77, 2659-2666.	1.7	13
48	Reduced nest development of reared Bombus terrestris within apiary dense human-modified landscapes. Scientific Reports, 2021, 11, 3755.	1.6	7
49	Highly diverse and rapidly spreading: Melanogromyza sojae threatens the soybean belt of South America. Biological Invasions, 2021, 23, 1405-1423.	1.2	2
50	More is less: mass-flowering fruit tree crops dilute parasite transmission between bees. International Journal for Parasitology, 2021, 51, 777-785.	1.3	11
51	dsRNA-Mediated Pest Management of Tuta absoluta Is Compatible with Its Biological Control Agent Nesidiocoris tenuis. Insects, 2021, 12, 274.	1.0	9
52	Fruit orchards and woody semi-natural habitat provide complementary resources for pollinators in agricultural landscapes. Landscape Ecology, 2021, 36, 1377-1390.	1.9	28
53	Circadian regulation of night feeding and daytime detoxification in a formidable Asian pest Spodoptera litura. Communications Biology, 2021, 4, 286.	2.0	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.	1.3	3

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55	RNAi efficacy is enhanced by chronic dsRNA feeding in pollen beetle. <i>Communications Biology</i> , 2021, 4, 444.	2.0	15
56	The Bee Hemolymph Metabolome: A Window into the Impact of Viruses on Bumble Bees. <i>Viruses</i> , 2021, 13, 600.	1.5	2
57	Can Plant Lectins Help to Elucidate Insect Lectin-Mediated Immune Response?. <i>Insects</i> , 2021, 12, 497.	1.0	3
58	The lectin <i>Oryzata</i> induces phosphatase-mediated and carbohydrate-independent aggregation of insect cells. <i>Journal of Insect Physiology</i> , 2021, 131, 104241.	0.9	4
59	Involvement of clathrin-dependent endocytosis in cellular dsRNA uptake in aphids. <i>Insect Biochemistry and Molecular Biology</i> , 2021, 132, 103557.	1.2	13
60	Bumblebee resilience to climate change, through plastic and adaptive responses. <i>Global Change Biology</i> , 2021, 27, 4223-4237.	4.2	49
61	Women must be equal partners in science: gender-balance lessons from biology. <i>Pure and Applied Chemistry</i> , 2021, 93, 857-867.	0.9	2
62	Managed bumble bees acquire parasites from their foraging environment: A case study on parasite spillback. <i>Journal of Invertebrate Pathology</i> , 2021, 182, 107583.	1.5	4
63	Larval oral exposure to thiacloprid: Dose-response toxicity testing in solitary bees, <i>Osmia</i> spp. (Hymenoptera: Megachilidae). <i>Ecotoxicology and Environmental Safety</i> , 2021, 215, 112143.	2.9	14
64	Anther-Feeding-Induced RNAi in <i>Brassicoglyphus aeneus</i> Larvae. <i>Frontiers in Agronomy</i> , 2021, 3, .	1.5	1
65	Accelerated delivery of dsRNA in lepidopteran midgut cells by a <i>Galanthus nivalis</i> lectin (GNA)-dsRNA-binding domain fusion protein. <i>Pesticide Biochemistry and Physiology</i> , 2021, 175, 104853.	1.6	23
66	Genome-Wide Characterization and Identification of Long Non-Coding RNAs during the Molting Process of a Spider Mite, <i>Panonychus citri</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 6909.	1.8	4
67	Pairwise learning for predicting pollination interactions based on traits and phylogeny. <i>Ecological Modelling</i> , 2021, 451, 109508.	1.2	7
68	Intracellular quercetin accumulation and its impact on mitochondrial dysfunction in intestinal Caco-2 cells. <i>Food Research International</i> , 2021, 145, 110430.	2.9	12
69	Prevalence of a Novel Bunyavirus in Tea Tussock Moth <i>Euproctis pseudoconsersa</i> (Lepidoptera: Tj ETQq1 1,0,784314 rgBT /Ove	1.5	7
70	Does RNAi-Based Technology Fit within EU Sustainability Goals?. <i>Trends in Biotechnology</i> , 2021, 39, 644-647.	4.9	38
71	Impact of intraspecific variation on measurements of thermal tolerance in bumble bees. <i>Journal of Thermal Biology</i> , 2021, 99, 103002.	1.1	17
72	Efficacy and biosafety assessment of neuropeptide CAPA analogues against the peachâ€”potato aphid () Tj ETQq0 0,0 rgBT /Oyverlock 10	1.5	7

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73	Identification and Full Characterisation of Two Novel Crustacean Infecting Members of the Family Nudiviridae Provides Support for Two Subfamilies. <i>Viruses</i> , 2021, 13, 1694.	1.5	9
74	<i>lnc94638</i> is a testis-specific long non-coding RNA involved in spermatozoa formation in <i>Zeugodacus cucurbitae</i> (Coquillett). <i>Insect Molecular Biology</i> , 2021, 30, 605-614.	1.0	7
75	Regulatory roles of microRNAs in insect pests: prospective targets for insect pest control. <i>Current Opinion in Biotechnology</i> , 2021, 70, 158-166.	3.3	33
76	2021 Taxonomic update of phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. <i>Archives of Virology</i> , 2021, 166, 3513-3566.	0.9	62
77	Impact of phenolic compound as activators or inhibitors on the enzymatic hydrolysis of cellulose. <i>International Journal of Biological Macromolecules</i> , 2021, 186, 174-180.	3.6	17
78	CCHamide2-receptor regulates feeding behavior in the pea aphid, <i>Acyrtosiphon pisum</i> . <i>Peptides</i> , 2021, 143, 170596.	1.2	10
79	Molting process revealed by the detailed expression profiles of RXR1/RXR2 and mining the associated genes in a spider mite, <i>Panonychus citri</i> . <i>Insect Science</i> , 2021, , .	1.5	7
80	Binding of <i>Oryzata</i> lectin induces an immune response in insect cells. <i>Insect Science</i> , 2021, , .	1.5	6
81	Glycosylation reduces the glycan-independent immunomodulatory effect of recombinant <i>Oryzata</i> lectin in <i>Drosophila</i> S2 cells. <i>Scientific Reports</i> , 2021, 11, 17958.	1.6	1
82	Laboratory and Greenhouse Evaluation of <i>Melia volkensii</i> Extracts for Potency against African Sweet Potato Weevil, <i>Cylas puncticollis</i> , and Fall Armyworm, <i>Spodoptera frugiperda</i> . <i>Agronomy</i> , 2021, 11, 1994.	1.3	5
83	Landscapes with high amounts of mass-flowering fruit crops reduce the reproduction of two solitary bees. <i>Basic and Applied Ecology</i> , 2021, 56, 122-131.	1.2	16
84	Silencing of Double-Stranded Ribonuclease Improves Oral RNAi Efficacy in Southern Green Stinkbug <i>Nezara viridula</i> . <i>Insects</i> , 2021, 12, 115.	1.0	18
85	Bumble Bee Foraged Pollen Analyses in Spring Time in Southern Estonia Shows Abundant Food Sources. <i>Insects</i> , 2021, 12, 922.	1.0	2
86	Towards Integrated Pest and Pollinator Management in Intensive Pear Cultivation: A Case Study from Belgium. <i>Insects</i> , 2021, 12, 901.	1.0	11
87	CRISPR/Cas9 in lepidopteran insects: Progress, application and prospects. <i>Journal of Insect Physiology</i> , 2021, 135, 104325.	0.9	29
88	Complete mitochondrial genomes of four species of praying mantises (Dictyoptera, Mantidae) with ribosomal second structure, evolutionary and phylogenetic analyses. <i>PLoS ONE</i> , 2021, 16, e0254914.	1.1	7
89	RNA Interference-Based Forest Protection Products (FPPs) Against Wood-Boring Coleopterans: Hope or Hype?. <i>Frontiers in Plant Science</i> , 2021, 12, 733608.	1.7	2
90	The Holobiont as a Key to the Adaptation and Conservation of Wild Bees in the Anthropocene. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	12

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91	RNAi Targets in Agricultural Pest Insects: Advancements, Knowledge Gaps, and IPM. <i>Frontiers in Agronomy</i> , 2021, 3, .	1.5	15
92	Letâ€™s talk about sexes: sex-related N-glycosylation in ecologically important invertebrates. <i>Glycoconjugate Journal</i> , 2020, 37, 41-46.	1.4	2
93	Synthesis and biological roles of O-glycans in insects. <i>Glycoconjugate Journal</i> , 2020, 37, 47-56.	1.4	12
94	Protection of rice against <i>Nilaparvata lugens</i> by direct toxicity of sodium selenate. <i>Archives of Insect Biochemistry and Physiology</i> , 2020, 103, e21644.	0.6	3
95	Shift in size of bumblebee queens over the last century. <i>Global Change Biology</i> , 2020, 26, 1185-1195.	4.2	35
96	Involvement of OsRIP1, a ribosome-inactivating protein from rice, in plant defense against <i>Nilaparvata lugens</i> . <i>Phytochemistry</i> , 2020, 170, 112190.	1.4	7
97	RNAâ€based biocontrol compounds: current status and perspectives to reach the market. <i>Pest Management Science</i> , 2020, 76, 841-845.	1.7	110
98	First report on CRISPR/Cas9-targeted mutagenesis in the Colorado potato beetle, <i>Leptinotarsa decemlineata</i> . <i>Journal of Insect Physiology</i> , 2020, 121, 104013.	0.9	26
99	Insecticidal Gene Silencing by RNAi in the Neotropical Region. <i>Neotropical Entomology</i> , 2020, 49, 1-11.	0.5	20
100	Bumble bee abundance and richness improves honey bee pollination behaviour in sweet cherry. <i>Basic and Applied Ecology</i> , 2020, 43, 27-33.	1.2	24
101	MiR-189942 regulates fufenozide susceptibility by modulating ecdysone receptor isoform B in <i>Plutella xylostella</i> (L.). <i>Pesticide Biochemistry and Physiology</i> , 2020, 163, 235-240.	1.6	12
102	Pollination efficiency and foraging behaviour of honey bees and nonâ€™Apis bees to sweet cherry. <i>Agricultural and Forest Entomology</i> , 2020, 22, 75-82.	0.7	65
103	Recommendations for standardized oral toxicity test protocols for larvae of solitary bees, <i>Osmia</i> spp.. <i>Apidologie</i> , 2020, 51, 48-60.	0.9	14
104	Identification and profiling of <i>Bactrocera dorsalis</i> microRNAs and their potential roles in regulating the developmental transitions of egg hatching, molting, pupation and adult eclosion. <i>Insect Biochemistry and Molecular Biology</i> , 2020, 127, 103475.	1.2	21
105	RNAi and CRISPR/Cas9 as Functional Genomics Tools in the Neotropical Stink Bug, <i>Euschistus heros</i> . <i>Insects</i> , 2020, 11, 838.	1.0	14
106	Metabolomics Reveal Induction of ROS Production and Glycosylation Events in Wheat Upon Exposure to the Green Leaf Volatile Z-3-Hexenyl Acetate. <i>Frontiers in Plant Science</i> , 2020, 11, 596271.	1.7	17
107	The Independent Biological Activity of <i>Bacillus thuringiensis</i> Cry23Aa Protein Against <i>Cylas puncticollis</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 1734.	1.5	3
108	Myosuppressin influences fecundity in the Colorado potato beetle, <i>Leptinotarsa decemlineata</i> . <i>Insect Science</i> , 2020, 28, 1191-1201.	1.5	3

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109	Genome-enabled insights into the biology of thrips as crop pests. <i>BMC Biology</i> , 2020, 18, 142.	1.7	54
110	Genome-wide analysis of long non-coding RNAs in adult tissues of the melon fly, <i>Zeugodacus cucurbitae</i> (Coquillett). <i>BMC Genomics</i> , 2020, 21, 600.	1.2	16
111	Network Centrality as an Indicator for Pollinator Parasite Transmission via Flowers. <i>Insects</i> , 2020, 11, 872.	1.0	14
112	First Evidence of Bud Feeding-Induced RNAi in a Crop Pest via Exogenous Application of dsRNA. <i>Insects</i> , 2020, 11, 769.	1.0	13
113	An Antennae-Specific Odorant-Binding Protein Is Involved in <i>Bactrocera dorsalis</i> Olfaction. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	1.1	20
114	<i>Arabidopsis</i> Lectin EULS3 Is Involved in ABA Signaling in Roots. <i>Frontiers in Plant Science</i> , 2020, 11, 437.	1.7	13
115	RNAi: What is its position in agriculture?. <i>Journal of Pest Science</i> , 2020, 93, 1125-1130.	1.9	84
116	Genetic classification of Vietnamese cacao cultivars assessed by SNP and SSR markers. <i>Tree Genetics and Genomes</i> , 2020, 16, 1.	0.6	10
117	Design, Synthesis, and Biological Activity of Novel Heptacyclic Pyrazolamide Derivatives: A New Candidate of Dual-Target Insect Growth Regulators. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 6347-6354.	2.4	22
118	N-glycosylation Site Analysis Reveals Sex-related Differences in Protein N-glycosylation in the Rice Brown Planthopper (<i>Nilaparvata lugens</i>). <i>Molecular and Cellular Proteomics</i> , 2020, 19, 529-539.	2.5	10
119	Bee Viruses: Routes of Infection in Hymenoptera. <i>Frontiers in Microbiology</i> , 2020, 11, 943.	1.5	76
120	Information content in pollination network reveals missing interactions. <i>Ecological Modelling</i> , 2020, 431, 109161.	1.2	5
121	First transcriptome of the Neotropical pest <i>Euschistus heros</i> (Hemiptera: Pentatomidae) with dissection of its siRNA machinery. <i>Scientific Reports</i> , 2020, 10, 4856.	1.6	20
122	OsEUL Lectin Gene Expression in Rice: Stress Regulation, Subcellular Localization and Tissue Specificity. <i>Frontiers in Plant Science</i> , 2020, 11, 185.	1.7	16
123	The <i>ArathEULS3</i> Lectin Ends up in Stress Granules and Can Follow an Unconventional Route for Secretion. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1659.	1.8	15
124	A glutathione <i>S</i> -transferase (<i>BdGSTd9</i>) participates in malathion resistance via directly depleting malathion and its toxic oxide malaoxon in <i>Bactrocera dorsalis</i> (Hendel). <i>Pest Management Science</i> , 2020, 76, 2557-2568.	1.7	28
125	Biosafety of GM Crop Plants Expressing dsRNA: Data Requirements and EU Regulatory Considerations. <i>Frontiers in Plant Science</i> , 2020, 11, 940.	1.7	43
126	Assessment of insecticidal effects and selectivity of CAPA peptide analogues against the peach potato aphid and four beneficial insects following topical exposure. <i>Pest Management Science</i> , 2020, 76, 3451-3458.	1.7	14

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127	A Growersâ€™ Perspective on Crop Pollination and Measures to Manage the Pollination Service of Wild Pollinators in Sweet Cherry Cultivation. <i>Insects</i> , 2020, 11, 372.	1.0	13
128	Impact of insecticide and pollinator-enhancing substrate applications on cocoa (<i>Theobroma cacao</i>) cherule and pod production in CÃ¢te dâ€™Ivoire. <i>Agriculture, Ecosystems and Environment</i> , 2020, 293, 106855.	2.5	7
129	Disentangling the ecotoxicological selectivity of clove essential oil against aphids and non-target ladybeetles. <i>Science of the Total Environment</i> , 2020, 718, 137328.	3.9	27
130	Genome-wide gene expression profiling of the melon fly, <i>Zeugodacus cucurbitae</i> , during thirteen life stages. <i>Scientific Data</i> , 2020, 7, 45.	2.4	18
131	Parental silencing of a horizontally transferred carotenoid desaturase gene causes a reduction of red pigment and fitness in the pea aphid. <i>Pest Management Science</i> , 2020, 76, 2423-2433.	1.7	12
132	Alpha-Gal and Cross-Reactive Carbohydrate Determinants in the N-Glycans of Salivary Glands in the Lone Star Tick, <i>Amblyomma americanum</i> . <i>Vaccines</i> , 2020, 8, 18.	2.1	27
133	The Phytochemical Composition of <i>Melia volkensii</i> and Its Potential for Insect Pest Management. <i>Plants</i> , 2020, 9, 143.	1.6	13
134	Metabolomic Analysis of Cricket paralysis virus Infection in <i>Drosophila</i> S2 Cells Reveals Divergent Effects on Central Carbon Metabolism as Compared with Silkworm Bm5 Cells. <i>Viruses</i> , 2020, 12, 393.	1.5	9
135	Comparative genomic analysis and mosquito larvicidal activity of four <i>Bacillus thuringiensis</i> serovar israelensis strains. <i>Scientific Reports</i> , 2020, 10, 5518.	1.6	6
136	Diversity and Global Distribution of Viruses of the Western Honey Bee, <i>Apis mellifera</i> . <i>Insects</i> , 2020, 11, 239.	1.0	130
137	Evaluating the effect of seven plant essential oils on pollen beetle (<i>Brassicogethes aeneus</i>) survival and mobility. <i>Crop Protection</i> , 2020, 134, 105181.	1.0	3
138	Double-Stranded RNA Technology to Control Insect Pests: Current Status and Challenges. <i>Frontiers in Plant Science</i> , 2020, 11, 451.	1.7	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 (<i>Crangon crangon</i>). <i>Journal of General Virology</i> , 2020, 101, 651-666.	1.3	13
141	Effects of thiamethoxam and spinosad on the survival and hypopharyngeal glands of the African honey bee (<i>Apis mellifera intermissa</i>). <i>Entomologia Generalis</i> , 2020, 40, 207-215.	1.1	24
142	Advances in the Implementation of Apivectoring Technology in Colombia: Strawberry Case (<i>Fragaria x</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T		
143	Cocoon-Spinning Behavior and 20-Hydroxyecdysone Regulation of Fibroin Genes in <i>Plutella xylostella</i> . <i>Frontiers in Physiology</i> , 2020, 11, 574800.	1.3	2
144	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

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146	Threat of <i>Drosophila suzukii</i> 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.		0
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150	Liposome encapsulation and EDTA formulation of dsRNA targeting essential genes increase oral RNAi-caused mortality in the Neotropical stink bug <i>Euschistus heros</i> . <i>Pest Management Science</i> , 2019, 75, 537-548.	1.7	87
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153	Generation of Virus- and dsRNA-Derived siRNAs with Species-Dependent Length in Insects. <i>Viruses</i> , 2019, 11, 738.	1.5	43
154	Pattern of population structuring between Belgian and Estonian bumblebees. <i>Scientific Reports</i> , 2019, 9, 9651.	1.6	12
155	Reduced Glutamine Synthetase Activity Alters the Fecundity of Female <i>Bactrocera dorsalis</i> (Hendel). <i>Insects</i> , 2019, 10, 186.	1.0	3
156	Arboviruses and the Challenge to Establish Systemic and Persistent Infections in Competent Mosquito Vectors: The Interaction With the RNAi Mechanism. <i>Frontiers in Physiology</i> , 2019, 10, 890.	1.3	20
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158	The South American Fruit Fly: An Important Pest Insect With RNAi-Sensitive Larval Stages. <i>Frontiers in Physiology</i> , 2019, 10, 794.	1.3	21
159	Nontransformative Strategies for RNAi in Crop Protection. , 2019, , .		8
160	Temporal drop of genetic diversity in <i>Bombus pauloensis</i> . <i>Apidologie</i> , 2019, 50, 526-537.	0.9	4
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182	Data relating to threats to passion fruit production in the Neotropics due to agricultural area loss and pollinator mismatch as consequence of climate changes. <i>Data in Brief</i> , 2019, 23, 103802.	0.5	2
183	Estimating the potential of beekeeping to alleviate household poverty in rural Uganda. <i>PLoS ONE</i> , 2019, 14, e0214113.	1.1	20
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185	The Ecdysis Triggering Hormone System, via ETH/ETHR-B, Is Essential for Successful Reproduction of a Major Pest Insect, <i>Bactrocera dorsalis</i> (Hendel). <i>Frontiers in Physiology</i> , 2019, 10, 151.	1.3	27
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188	Genome-Wide Analysis of MicroRNAs in Relation to Pupariation in Oriental Fruit Fly. <i>Frontiers in Physiology</i> , 2019, 10, 301.	1.3	22
189	Small forest patches as pollinator habitat: oases in an agricultural desert?. <i>Landscape Ecology</i> , 2019, 34, 487-501.	1.9	38
190	Honey bee-collected pollen is a potential source of <i>Ascosphaera apis</i> infection in managed bumble bees. <i>Scientific Reports</i> , 2019, 9, 4241.	1.6	31
191	The N-glycan profile of the peritrophic membrane in the Colorado potato beetle larva (<i>Leptinotarsa</i>) Tj ETQq1 1 0.784314 rgBT/Overlo	0.9	20
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194	Importance of forest fragments as pollinator habitat varies with season and guild. <i>Basic and Applied Ecology</i> , 2019, 34, 95-107.	1.2	35
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196	Influence of microbiota in the susceptibility of parasitic wasps to abamectin insecticide: deep sequencing, esterase and toxicity tests. <i>Pest Management Science</i> , 2019, 75, 79-86.	1.7	16
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211	A nuclease specific to lepidopteran insects suppresses RNAi. <i>Journal of Biological Chemistry</i> , 2018, 293, 6011-6021.	1.6	125
212	Bioactivity of <i>Pistacia atlantica</i> desf. subsp. <i>Kurdica</i> (Zohary) Rech. F. and <i>Pistacia khinjuk</i> stocks essential oils against <i>Callosobruchus maculatus</i> (F, 1775) (Coleoptera: Bruchidae) under laboratory conditions. <i>Journal of Stored Products Research</i> , 2018, 77, 96-105.	1.2	24
213	Cytoplasmic glutamine synthetase gene expression regulates larval development in <i>Bactrocera dorsalis</i> (Hendel). <i>Archives of Insect Biochemistry and Physiology</i> , 2018, 97, e21447.	0.6	6
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216	Interaction effects of different drivers of wild bee decline and their influence on host-pathogen dynamics. <i>Current Opinion in Insect Science</i> , 2018, 26, 136-141.	2.2	47

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218	Thiamethoxam (Neonicotinoid) and Spinosad (Bioinsecticide) Affect Hypopharyngeal Glands and Survival of <i>Apis mellifera intermissa</i> (Hymenoptera: Apidae). <i>Advances in Science, Technology and Innovation</i> , 2018, , 347-349.	0.2	0
219	Vitellogenin and its receptor play essential roles in the development and reproduction of the brown citrus aphid, <i>Aphis Toxoptera citricidus</i> . <i>Insect Molecular Biology</i> , 2018, 27, 221-233.	1.0	56
220	Influence of pollinator abundance and flower visitation on seed yield in red clover. <i>Arthropod-Plant Interactions</i> , 2018, 12, 339-349.	0.5	11
221	Genome-wide identification of chitinase and chitin deacetylase gene families in the oriental fruit fly, <i>Bactrocera dorsalis</i> (Hendel). <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2018, 27, 13-22.	0.4	21
222	Genome-wide annotation of cuticular proteins in the oriental fruit fly (<i>Bactrocera dorsalis</i>), changes during pupariation and expression analysis of CPAP3 protein genes in response to environmental stresses. <i>Insect Biochemistry and Molecular Biology</i> , 2018, 97, 53-70.	1.2	33
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226	RNA interference in shrimp and potential applications in aquaculture. <i>Reviews in Aquaculture</i> , 2018, 10, 573-584.	4.6	18
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230	Large-scale cultivation of the bumblebee gut microbiota reveals an underestimated bacterial species diversity capable of pathogen inhibition. <i>Environmental Microbiology</i> , 2018, 20, 214-227.	1.8	40
231	A scientific note on first detection of Kashmir bee virus in <i>Apis mellifera</i> (Hymenoptera: Apidae) in South America. <i>Apidologie</i> , 2018, 49, 220-223.	0.9	4
232	Tyrosine hydroxylase coordinates larval pupal tanning and immunity in oriental fruit fly (<i>Bactrocera dorsalis</i>). <i>Pest Management Science</i> , 2018, 74, 569-578.	1.7	28
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234	Systemic Israeli acute paralysis virus (IAPV) infection in bumblebees (<i>Bombus terrestris</i>) through feeding and injection. <i>Journal of Invertebrate Pathology</i> , 2018, 151, 158-164.	1.5	13

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239	Stressful conditions reveal decrease in size, modification of shape but relatively stable asymmetry in bumblebee wings. Scientific Reports, 2018, 8, 15169.	1.6	44
240	The Honeybee Queen: The Implications of Eusociality on Parasite-Mediated Competition. Advances in Insect Physiology, 2018, , 47-54.	1.1	0
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242	Rethink RNAi in Insect Pest Control: Challenges and Perspectives. Advances in Insect Physiology, 2018, , 1-17.	1.1	62
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246	Study of the Metatranscriptome of Eight Social and Solitary Wild Bee Species Reveals Novel Viruses and Bee Parasites. Frontiers in Microbiology, 2018, 9, 177.	1.5	60
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248	Corazonin Signaling Is Required in the Male for Sperm Transfer in the Oriental Fruit Fly <i>Bactrocera dorsalis</i> . Frontiers in Physiology, 2018, 9, 660.	1.3	12
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251	Engineered Flock House Virus for Targeted Gene Suppression Through RNAi in Fruit Flies (<i>Drosophila</i>) Tj ETQq1 1 0.784314 rgBT /Overlo	1.3	48
252	Unraveling the genetic background of the Yangambi Research Center cacao germplasm collection, DR Congo. Tree Genetics and Genomes, 2018, 14, 1.	0.6	4

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258	Influence of various stressors on the expression of core genes of the small interfering RNA pathway in the oriental fruit fly, <i>Bactrocera dorsalis</i> . <i>Insect Science</i> , 2017, 24, 418-430.	1.5	20
259	Chemical reproductive traits of diploid <i>Bombus terrestris</i> males: Consequences on bumblebee conservation. <i>Insect Science</i> , 2017, 24, 623-630.	1.5	5
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262	The plant response induced in wheat ears by a combined attack of <i>Sitobion avenae</i> aphids and <i>Fusarium graminearum</i> boosts fungal infection and deoxynivalenol production. <i>Molecular Plant Pathology</i> , 2017, 18, 98-109.	2.0	19
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264	Identification and expression profiles of fifteen delta-class glutathione S-transferase genes from a stored-product pest, <i>Liposcelis entomophila</i> (Enderlein) (Psocoptera: Liposcelididae). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2017, 206, 35-41.	0.7	23
265	Diversity and functions of protein glycosylation in insects. <i>Insect Biochemistry and Molecular Biology</i> , 2017, 83, 21-34.	1.2	80
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267	The short neuropeptide F modulates olfactory sensitivity of <i>Bactrocera dorsalis</i> upon starvation. <i>Journal of Insect Physiology</i> , 2017, 99, 78-85.	0.9	26
268	Thrips control with predatory mites <i>A. limonicus</i> and <i>A. swirskii</i> in different strawberry cultivation systems. <i>Acta Horticulturae</i> , 2017, , 833-842.	0.1	8
269	Matching commercial thrips predating phytoseids with the highly diversified climatic conditions of different strawberry production systems. <i>Acta Horticulturae</i> , 2017, , 863-870.	0.1	5
270	<i>Gilliamella intestini</i> sp. nov., <i>Gilliamella bombicola</i> sp. nov., <i>Gilliamella bombi</i> sp. nov. and <i>Gilliamella mensalis</i> sp. nov.: Four novel <i>Gilliamella</i> species isolated from the bumblebee gut. <i>Systematic and Applied Microbiology</i> , 2017, 40, 199-204.	1.2	44

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