

# Guy Smagghe

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

699  
papers

23,121  
citations

63  
h-index

126  
g-index

732  
ext. papers

28,013  
ext. citations

4.1  
avg. IF

7.4  
L-index

#	Paper	IF	Citations
699	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.. <i>Virology Journal</i> , <b>2022</b> , 19, 12	6.1	2
698	A comparative analysis of crop pollinator survey methods along a large-scale climatic gradient. <i>Agriculture, Ecosystems and Environment</i> , <b>2022</b> , 329, 107871	5.7	0
697	Honey bees and climate explain viral prevalence in wild bee communities on a continental scale.. <i>Scientific Reports</i> , <b>2022</b> , 12, 1904	4.9	7
696	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> , <b>2022</b> , 323, 107697	5.7	5
695	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> , <b>2022</b> , 151, 105816	2.7	0
694	Variation of Morphological Traits and Quality Indices of Micropropagated <i>Melia volkensii</i> G�ke Clones before Field Planting. <i>Forests</i> , <b>2022</b> , 13, 337	2.8	1
693	Quercetin Mitigates Endothelial Activation in a Novel Intestinal-Endothelial-Monocyte/Macrophage Coculture Setup.. <i>Inflammation</i> , <b>2022</b> , 1	5.1	
692	Linking remote sensing data to the estimation of pollination services in agroecosystems.. <i>Ecological Applications</i> , <b>2022</b> , e2605	4.9	1
691	On the road: Anthropogenic factors drive the invasion risk of a wild solitary bee species.. <i>Science of the Total Environment</i> , <b>2022</b> , 827, 154246	10.2	3
690	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> , <b>2022</b> , 154746	10.2	1
689	Uniting RNAi Technology and Conservation Biocontrol to Promote Global Food Security and Agrobiodiversity.. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2022</b> , 10, 871651	5.8	0
688	Early Growth Performance of In Vitro Raised <i>Melia volkensii</i> G�ke Plantlets in Response to Beneficial Microorganisms under Semi-Arid Conditions. <i>Plants</i> , <b>2022</b> , 11, 1300	4.5	
687	Ecological, environmental, and management data indicate apple production is driven by wild bee diversity and management practices. <i>Ecological Indicators</i> , <b>2022</b> , 139, 108880	5.8	0
686	The impact of mass-flowering crops on bee pathogen dynamics.. <i>International Journal for Parasitology: Parasites and Wildlife</i> , <b>2022</b> , 18, 135-147	2.6	0
685	Discovery of a widespread presence bunyavirus that may have symbiont-like relationships with different species of aphids. <i>Insect Science</i> , <b>2021</b> ,	3.6	2
684	Complete mitochondrial genomes of four species of praying mantises (Dictyoptera, Mantidae) with ribosomal second structure, evolutionary and phylogenetic analyses. <i>PLoS ONE</i> , <b>2021</b> , 16, e0254914	3.7	1
683	RNA Interference-Based Forest Protection Products (FPPs) Against Wood-Boring Coleopterans: Hope or Hype?. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 733608	6.2	2

682	The Holobiont as a Key to the Adaptation and Conservation of Wild Bees in the Anthropocene. <i>Frontiers in Ecology and Evolution</i> , <b>2021</b> , 9,	3.7	1
681	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> , <b>2021</b> , e21852	2.3	
680	Bumble Bee Foraged Pollen Analyses in Spring Time in Southern Estonia Shows Abundant Food Sources. <i>Insects</i> , <b>2021</b> , 12,	2.8	1
679	Towards Integrated Pest and Pollinator Management in Intensive Pear Cultivation: A Case Study from Belgium. <i>Insects</i> , <b>2021</b> , 12,	2.8	2
678	CRISPR/Cas9 in lepidopteran insects: Progress, application and prospects. <i>Journal of Insect Physiology</i> , <b>2021</b> , 135, 104325	2.4	5
677	Myosuppressin influences fecundity in the Colorado potato beetle, <i>Leptinotarsa decemlineata</i> . <i>Insect Science</i> , <b>2021</b> , 28, 1191-1201	3.6	2
676	More is less: mass-flowering fruit tree crops dilute parasite transmission between bees. <i>International Journal for Parasitology</i> , <b>2021</b> , 51, 777-785	4.3	6
675	dsRNA-Mediated Pest Management of Is Compatible with Its Biological Control Agent. <i>Insects</i> , <b>2021</b> , 12,	2.8	3
674	Fruit orchards and woody semi-natural habitat provide complementary resources for pollinators in agricultural landscapes. <i>Landscape Ecology</i> , <b>2021</b> , 36, 1377-1390	4.3	9
673	Circadian regulation of night feeding and daytime detoxification in a formidable Asian pest <i>Spodoptera litura</i> . <i>Communications Biology</i> , <b>2021</b> , 4, 286	6.7	9
672	RNAi-Mediated Silencing of Pgants Shows Core 1 Glycans Are Required for Pupation in. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 629682	4.6	2
671	RNAi efficacy is enhanced by chronic dsRNA feeding in pollen beetle. <i>Communications Biology</i> , <b>2021</b> , 4, 444	6.7	7
670	The Bee Hemolymph Metabolome: A Window into the Impact of Viruses on Bumble Bees. <i>Viruses</i> , <b>2021</b> , 13,	6.2	1
669	Can Plant Lectins Help to Elucidate Insect Lectin-Mediated Immune Response?. <i>Insects</i> , <b>2021</b> , 12,	2.8	2
668	The lectin Oryzata induces phosphatase-mediated and carbohydrate-independent aggregation of insect cells. <i>Journal of Insect Physiology</i> , <b>2021</b> , 131, 104241	2.4	3
667	Involvement of clathrin-dependent endocytosis in cellular dsRNA uptake in aphids. <i>Insect Biochemistry and Molecular Biology</i> , <b>2021</b> , 132, 103557	4.5	3
666	Bumblebee resilience to climate change, through plastic and adaptive responses. <i>Global Change Biology</i> , <b>2021</b> , 27, 4223-4237	11.4	8
665	Women must be equal partners in science: gender-balance lessons from biology. <i>Pure and Applied Chemistry</i> , <b>2021</b> , 93, 857-867	2.1	1

664	Managed bumble bees acquire parasites from their foraging environment: A case study on parasite spillback. <i>Journal of Invertebrate Pathology</i> , <b>2021</b> , 182, 107583	2.6	1
663	Larval oral exposure to thiacloprid: Dose-response toxicity testing in solitary bees, <i>Osmia</i> spp. (Hymenoptera: Megachilidae). <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 215, 112143	7	2
662	Anther-Feeding-Induced RNAi in <i>Brassicogethes aeneus</i> Larvae. <i>Frontiers in Agronomy</i> , <b>2021</b> , 3,	4	1
661	Flavonoids and cellular stress: a complex interplay affecting human health. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2021</b> , 1-32	11.5	
660	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> , <b>2021</b> , 175, 104853	4.9	5
659	Pairwise learning for predicting pollination interactions based on traits and phylogeny. <i>Ecological Modelling</i> , <b>2021</b> , 451, 109508	3	1
658	Intracellular quercetin accumulation and its impact on mitochondrial dysfunction in intestinal Caco-2 cells. <i>Food Research International</i> , <b>2021</b> , 145, 110430	7	2
657	Prevalence of a Novel Bunyavirus in Tea Tussock Moth <i>Euproctis pseudoconsersa</i> (Lepidoptera: Lymantriidae). <i>Journal of Insect Science</i> , <b>2021</b> , 21,	2	1
656	Does RNAi-Based Technology Fit within EU Sustainability Goals?. <i>Trends in Biotechnology</i> , <b>2021</b> , 39, 644-647	6.47	18
655	Impact of intraspecific variation on measurements of thermal tolerance in bumble bees. <i>Journal of Thermal Biology</i> , <b>2021</b> , 99, 103002	2.9	3
654	Distribution of a model biocontrol agent (Serenade <sup>®</sup> MAX) in apple and pear by mason bees and bumble bee s. <i>Agricultural and Forest Entomology</i> , <b>2021</b> , 23, 97-103	1.9	2
653	RNAi-mediated mortality in southern green stinkbug <i>Nezara viridula</i> by oral delivery of dsRNA. <i>Pest Management Science</i> , <b>2021</b> , 77, 77-84	4.6	16
652	Genomics, transcriptomics, and peptidomics of <i>Spodoptera frugiperda</i> (Lepidoptera, Noctuidae) neuropeptides. <i>Archives of Insect Biochemistry and Physiology</i> , <b>2021</b> , 106, e21740	2.3	2
651	Parental RNA interference as a tool to study genes involved in rostrum development in the Neotropical brown stink bug, <i>Euschistus heros</i> . <i>Journal of Insect Physiology</i> , <b>2021</b> , 128, 104161	2.4	3
650	Effect of soil moisture on pupation behavior and inhabitation of <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae). <i>Applied Entomology and Zoology</i> , <b>2021</b> , 56, 69-74	1.5	1
649	Targeting a coatmer protein complex-I gene via RNA interference results in effective lethality in the pollen beetle <i>Brassicogethes aeneus</i> . <i>Journal of Pest Science</i> , <b>2021</b> , 94, 703-712	5.5	5
648	Winter activity unrelated to introgression in British bumblebee <i>Bombus terrestris audax</i> . <i>Apidologie</i> , <b>2021</b> , 52, 315-327	2.3	4
647	A sequence complementarity-based approach for evaluating off-target transcript knockdown in <i>Bombus terrestris</i> , following ingestion of pest-specific dsRNA. <i>Journal of Pest Science</i> , <b>2021</b> , 94, 487-503	5.5	8

646	Occurrence of bee viruses and pathogens associated with emerging infectious diseases in native and non-native bumble bees in southern Chile. <i>Biological Invasions</i> , <b>2021</b> , 23, 1175-1189	2.7	8
645	Biosafety of bee pollinators in genetically modified agro-ecosystems: Current approach and further development in the EU. <i>Pest Management Science</i> , <b>2021</b> , 77, 2659-2666	4.6	5
644	Reduced nest development of reared <i>Bombus terrestris</i> within apiary dense human-modified landscapes. <i>Scientific Reports</i> , <b>2021</b> , 11, 3755	4.9	1
643	Highly diverse and rapidly spreading: <i>Melanagromyza sojae</i> threatens the soybean belt of South America. <i>Biological Invasions</i> , <b>2021</b> , 23, 1405-1423	2.7	0
642	Efficacy and biosafety assessment of neuropeptide CAPA analogues against the peach-potato aphid ( <i>Myzus persicae</i> ). <i>Insect Science</i> , <b>2021</b> ,	3.6	1
641	Identification and Full Characterisation of Two Novel Crustacean Infecting Members of the Family Provides Support for Two Subfamilies. <i>Viruses</i> , <b>2021</b> , 13,	6.2	2
640	lnc94638 is a testis-specific long non-coding RNA involved in spermatozoa formation in <i>Zeugodacus cucurbitae</i> (Coquillett). <i>Insect Molecular Biology</i> , <b>2021</b> , 30, 605-614	3.4	2
639	Regulatory roles of microRNAs in insect pests: prospective targets for insect pest control. <i>Current Opinion in Biotechnology</i> , <b>2021</b> , 70, 158-166	11.4	4
638	2021 Taxonomic update of phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. <i>Archives of Virology</i> , <b>2021</b> , 166, 3513-3566	2.6	10
637	Impact of phenolic compound as activators or inhibitors on the enzymatic hydrolysis of cellulose. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 186, 174-180	7.9	7
636	CCHamide2-receptor regulates feeding behavior in the pea aphid, <i>Acyrtosiphon pisum</i> . <i>Peptides</i> , <b>2021</b> , 143, 170596	3.8	1
635	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> , <b>2021</b> ,	3.6	1
634	Binding of <i>Oryzata</i> lectin induces an immune response in insect cells. <i>Insect Science</i> , <b>2021</b> ,	3.6	2
633	Glycosylation reduces the glycan-independent immunomodulatory effect of recombinant <i>Oryzata</i> lectin in <i>Drosophila</i> S2 cells. <i>Scientific Reports</i> , <b>2021</b> , 11, 17958	4.9	0
632	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> , <b>2021</b> , 11, 1994	3.6	2
631	Landscapes with high amounts of mass-flowering fruit crops reduce the reproduction of two solitary bees. <i>Basic and Applied Ecology</i> , <b>2021</b> , 56, 122-131	3.2	5
630	Silencing of Double-Stranded Ribonuclease Improves Oral RNAi Efficacy in Southern Green Stinkbug. <i>Insects</i> , <b>2021</b> , 12,	2.8	8
629	CropPol: a dynamic, open and global database on crop pollination.. <i>Ecology</i> , <b>2021</b> , e3614	4.6	2

628	Critical links between biodiversity and health in wild bee conservation.. <i>Trends in Ecology and Evolution</i> , <b>2021</b> ,	10.9	4
627	RNAi Targets in Agricultural Pest Insects: Advancements, Knowledge Gaps, and IPM. <i>Frontiers in Agronomy</i> , <b>2021</b> , 3,	4	1
626	Translocation of Tebuconazole between Bee Matrices and Its Potential Threat on Honey Bee (Linnaeus) Queens.. <i>Insects</i> , <b>2021</b> , 13,	2.8	1
625	Network Centrality as an Indicator for Pollinator Parasite Transmission via Flowers. <i>Insects</i> , <b>2020</b> , 11,	2.8	8
624	First Evidence of Bud Feeding-Induced RNAi in a Crop Pest via Exogenous Application of dsRNA. <i>Insects</i> , <b>2020</b> , 11,	2.8	6
623	An Antennae-Specific Odorant-Binding Protein Is Involved in <i>Bactrocera dorsalis</i> Olfaction. <i>Frontiers in Ecology and Evolution</i> , <b>2020</b> , 8,	3.7	7
622	Arabidopsis Lectin EULS3 Is Involved in ABA Signaling in Roots. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 437	6.2	6
621	RNAi: What is its position in agriculture?. <i>Journal of Pest Science</i> , <b>2020</b> , 93, 1125-1130	5.5	45
620	Genetic classification of Vietnamese cacao cultivars assessed by SNP and SSR markers. <i>Tree Genetics and Genomes</i> , <b>2020</b> , 16, 1	2.1	3
619	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> , <b>2020</b> , 68, 6347-6354	5.7	8
618	N-glycosylation Site Analysis Reveals Sex-related Differences in Protein N-glycosylation in the Rice Brown Planthopper (). <i>Molecular and Cellular Proteomics</i> , <b>2020</b> , 19, 529-539	7.6	5
617	Bee Viruses: Routes of Infection in Hymenoptera. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 943	5.7	39
616	Information content in pollination network reveals missing interactions. <i>Ecological Modelling</i> , <b>2020</b> , 431, 109161	3	4
615	First transcriptome of the Neotropical pest <i>Euschistus heros</i> (Hemiptera: Pentatomidae) with dissection of its siRNA machinery. <i>Scientific Reports</i> , <b>2020</b> , 10, 4856	4.9	13
614	OsEUL Lectin Gene Expression in Rice: Stress Regulation, Subcellular Localization and Tissue Specificity. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 185	6.2	8
613	The ArathEULS3 Lectin Ends up in Stress Granules and Can Follow an Unconventional Route for Secretion. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	6
612	A glutathione S-transferase (BdGSTd9) participates in malathion resistance via directly depleting malathion and its toxic oxide malaoxon in <i>Bactrocera dorsalis</i> (Hendel). <i>Pest Management Science</i> , <b>2020</b> , 76, 2557-2568	4.6	8
611	Biosafety of GM Crop Plants Expressing dsRNA: Data Requirements and EU Regulatory Considerations. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 940	6.2	23

610	Assessment of insecticidal effects and selectivity of CAPA-PK peptide analogues against the peach-potato aphid and four beneficial insects following topical exposure. <i>Pest Management Science</i> , <b>2020</b> , 76, 3451-3458	4.6	3
609	A Growers' Perspective on Crop Pollination and Measures to Manage the Pollination Service of Wild Pollinators in Sweet Cherry Cultivation. <i>Insects</i> , <b>2020</b> , 11,	2.8	5
608	Impact of insecticide and pollinator-enhancing substrate applications on cocoa ( <i>Theobroma cacao</i> ) cherelle and pod production in Côte d'Ivoire. <i>Agriculture, Ecosystems and Environment</i> , <b>2020</b> , 293, 106855	5.7	2
607	Disentangling the ecotoxicological selectivity of clove essential oil against aphids and non-target ladybeetles. <i>Science of the Total Environment</i> , <b>2020</b> , 718, 137328	10.2	11
606	Genome-wide gene expression profiling of the melon fly, <i>Zeugodacus cucurbitae</i> , during thirteen life stages. <i>Scientific Data</i> , <b>2020</b> , 7, 45	8.2	7
605	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> , <b>2020</b> , 76, 2423-2433	4.6	5
604	Alpha-Gal and Cross-Reactive Carbohydrate Determinants in the N-Glycans of Salivary Glands in the Lone Star Tick,. <i>Vaccines</i> , <b>2020</b> , 8,	5.3	15
603	The Phytochemical Composition of and Its Potential for Insect Pest Management. <i>Plants</i> , <b>2020</b> , 9,	4.5	6
602	Metabolomic Analysis of Infection in S2 Cells Reveals Divergent Effects on Central Carbon Metabolism as Compared with Silkworm Bm5 Cells. <i>Viruses</i> , <b>2020</b> , 12,	6.2	8
601	Comparative genomic analysis and mosquito larvicidal activity of four <i>Bacillus thuringiensis</i> serovar israelensis strains. <i>Scientific Reports</i> , <b>2020</b> , 10, 5518	4.9	3
600	Diversity and Global Distribution of Viruses of the Western Honey Bee,. <i>Insects</i> , <b>2020</b> , 11,	2.8	63
599	Evaluating the effect of seven plant essential oils on pollen beetle ( <i>Brassicoglyphus aeneus</i> ) survival and mobility. <i>Crop Protection</i> , <b>2020</b> , 134, 105181	2.7	1
598	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> , <b>2020</b> , 40, 207-215	5.3	10
597	Bumble Bees and Entomovectoring in Open Field Conditions <b>2020</b> , 81-93		
596	Dispensers for Entomovectoring: For Every Bee a Different Type? <b>2020</b> , 95-122		1
595	Threat of <i>Drosophila suzukii</i> as an Invasive Species and the Potential of Entomovectoring <b>2020</b> , 147-164		1
594	Case Studies on Entomovectoring in the Greenhouse and Open Field <b>2020</b> , 123-136		
593	Advances in the Implementation of Apivectoring Technology in Colombia: Strawberry Case ( <i>Fragaria x ananassa</i> ) <b>2020</b> , 201-237		



592	Cocoon-Spinning Behavior and 20-Hydroxyecdysone Regulation of Fibroin Genes in. <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 574800	4.6	0
591	Ecological Intensification: Managing Biocomplexity and Biodiversity in Agriculture Through Pollinators, Pollination and Deploying Biocontrol Agents against Crop and Pollinator Diseases, Pests and Parasites <b>2020</b> , 19-51		0
590	The Use of Nanocarriers to Improve the Efficiency of RNAi-Based Pesticides in Agriculture <b>2020</b> , 49-68		8
589	Exploration of the virome of the European brown shrimp (). <i>Journal of General Virology</i> , <b>2020</b> , 101, 651-666	4.6	7
588	Protection of rice against <i>Nilaparvata lugens</i> by direct toxicity of sodium selenate. <i>Archives of Insect Biochemistry and Physiology</i> , <b>2020</b> , 103, e21644	2.3	1
587	Shift in size of bumblebee queens over the last century. <i>Global Change Biology</i> , <b>2020</b> , 26, 1185-1195	11.4	16
586	Involvement of OsRIP1, a ribosome-inactivating protein from rice, in plant defense against <i>Nilaparvata lugens</i> . <i>Phytochemistry</i> , <b>2020</b> , 170, 112190	4	1
585	RNA-based biocontrol compounds: current status and perspectives to reach the market. <i>Pest Management Science</i> , <b>2020</b> , 76, 841-845	4.6	56
584	First report on CRISPR/Cas9-targeted mutagenesis in the Colorado potato beetle, <i>Leptinotarsa decemlineata</i> . <i>Journal of Insect Physiology</i> , <b>2020</b> , 121, 104013	2.4	17
583	Insecticidal Gene Silencing by RNAi in the Neotropical Region. <i>Neotropical Entomology</i> , <b>2020</b> , 49, 1-11	1.2	10
582	Bumble bee abundance and richness improves honey bee pollination behaviour in sweet cherry. <i>Basic and Applied Ecology</i> , <b>2020</b> , 43, 27-33	3.2	9
581	MiR-189942 regulates fufenozide susceptibility by modulating ecdysone receptor isoform B in <i>Plutella xylostella</i> (L.). <i>Pesticide Biochemistry and Physiology</i> , <b>2020</b> , 163, 235-240	4.9	6
580	Pollination efficiency and foraging behaviour of honey bees and non-Apis bees to sweet cherry. <i>Agricultural and Forest Entomology</i> , <b>2020</b> , 22, 75-82	1.9	23
579	Recommendations for standardized oral toxicity test protocols for larvae of solitary bees, <i>Osmia</i> spp.. <i>Apidologie</i> , <b>2020</b> , 51, 48-60	2.3	9
578	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> , <b>2020</b> , 127, 103475	4.5	5
577	RNAi and CRISPR/Cas9 as Functional Genomics Tools in the Neotropical Stink Bug,. <i>Insects</i> , <b>2020</b> , 11,	2.8	5
576	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> , <b>2020</b> , 11, 596271	6.2	7
575	The Independent Biological Activity of Cry23Aa Protein Against. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 173457		1



574	Genome-enabled insights into the biology of thrips as crop pests. <i>BMC Biology</i> , <b>2020</b> , 18, 142	7.3	17
573	Genome-wide analysis of long non-coding RNAs in adult tissues of the melon fly, <i>Zeugodacus cucurbitae</i> (Coquillett). <i>BMC Genomics</i> , <b>2020</b> , 21, 600	4.5	9
572	Genetic structure of two Plusiinae species suggests recent expansion of <i>Chrysodeixis includens</i> in the American continent. <i>Agricultural and Forest Entomology</i> , <b>2020</b> , 23, 250	1.9	2
571	Let's talk about sexes: sex-related N-glycosylation in ecologically important invertebrates. <i>Glycoconjugate Journal</i> , <b>2020</b> , 37, 41-46	3	2
570	Synthesis and biological roles of O-glycans in insects. <i>Glycoconjugate Journal</i> , <b>2020</b> , 37, 47-56	3	10
569	Double-Stranded RNA Technology to Control Insect Pests: Current Status and Challenges. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 451	6.2	62
568	Temporal drop of genetic diversity in <i>Bombus pauloensis</i> . <i>Apidologie</i> , <b>2019</b> , 50, 526-537	2.3	2
567	Essential oil from <i>Negramina</i> ( <i>Siparuna guianensis</i> ) plants controls aphids without impairing survival and predatory abilities of non-target ladybeetles. <i>Environmental Pollution</i> , <b>2019</b> , 255, 113153	9.3	12
566	Quantity and transmission efficiency of an isolate of the Potato virus YWilga (PVYN <sub>Wi</sub> ) by aphid species reared on different host plants. <i>Journal of Plant Diseases and Protection</i> , <b>2019</b> , 126, 529-534	1.5	1
565	A Metabolomics Approach to Unravel Infection in Silkworm Bm5 Cells. <i>Viruses</i> , <b>2019</b> , 11,	6.2	10
564	Cell line-dependent increase in cellular quercetin accumulation upon stress induced by valinomycin and lipopolysaccharide, but not by TNF- $\alpha$ . <i>Food Research International</i> , <b>2019</b> , 125, 108596	7	3
563	Evolutionary trends of neuropeptide signaling in beetles - A comparative analysis of Coleopteran transcriptomic and genomic data. <i>Insect Biochemistry and Molecular Biology</i> , <b>2019</b> , 114, 103227	4.5	16
562	Management of Pest Insects and Plant Diseases by Non-Transformative RNAi. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 1319	6.2	82
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554	The effect of mass-flowering orchards and semi-natural habitat on bumblebee colony performance. <i>Landscape Ecology</i> , <b>2019</b> , 34, 1033-1044	4.3	14
553	The cuticle protein MPCP2 is involved in Potato virus Y transmission in the green peach aphid <i>Myzus persicae</i> . <i>Journal of Plant Diseases and Protection</i> , <b>2019</b> , 126, 351-357	1.5	5
552	PIWI pathway against viruses in insects. <i>Wiley Interdisciplinary Reviews RNA</i> , <b>2019</b> , 10, e1555	9.3	18
551	Structure and Activity of a Cytosolic Ribosome-Inactivating Protein from Rice. <i>Toxins</i> , <b>2019</b> , 11,	4.9	3
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79	Fungicidal effect of chitosan derivatives containing an N-alkyl group on grey mould <i>Botryti77s cinerea</i> and rice leaf blast <i>Pyricularia grisea</i> . <i>Communications in Agricultural and Applied Biological Sciences</i> , <b>2005</b> , 70, 219-23		4
78	A cell-based high-throughput screening system for detecting ecdysteroid agonists and antagonists in plant extracts and libraries of synthetic compounds. <i>FASEB Journal</i> , <b>2004</b> , 18, 134-6	0.9	65
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67	Insecticidal and fungicidal activity of new N,O-acyl Chitosan derivatives. <i>Communications in Agricultural and Applied Biological Sciences</i> , <b>2004</b> , 69, 793-7		1
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5	Genome-enabled insights into the biology of thrips as crop pests		1
4	Multiple incursion pathways for <i>Helicoverpa armigera</i> in Brazil show its genetic diversity spreading in a connected world		1
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