

# Guy Smagghe

## List of Publications by Citations

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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	Chitosan as antimicrobial agent: applications and mode of action. <i>Biomacromolecules</i> , <b>2003</b> , 4, 1457-65	6.9	2140
698	Genome sequence of the pea aphid <i>Acyrtosiphon pisum</i> . <i>PLoS Biology</i> , <b>2010</b> , 8, e1000313	9.7	732
697	The genome of <i>Tetranychus urticae</i> reveals herbivorous pest adaptations. <i>Nature</i> , <b>2011</b> , 479, 487-92	50.4	684
696	Mechanisms of dsRNA uptake in insects and potential of RNAi for pest control: a review. <i>Journal of Insect Physiology</i> , <b>2010</b> , 56, 227-35	2.4	665
695	Neonicotinoids in bees: a review on concentrations, side-effects and risk assessment. <i>Ecotoxicology</i> , <b>2012</b> , 21, 973-92	2.9	628
694	RNA interference in Lepidoptera: an overview of successful and unsuccessful studies and implications for experimental design. <i>Journal of Insect Physiology</i> , <b>2011</b> , 57, 231-45	2.4	588
693	Pesticide-Induced Stress in Arthropod Pests for Optimized Integrated Pest Management Programs. <i>Annual Review of Entomology</i> , <b>2016</b> , 61, 43-62	21.8	335
692	Towards the elements of successful insect RNAi. <i>Journal of Insect Physiology</i> , <b>2013</b> , 59, 1212-21	2.4	321
691	The non-target impact of spinosyns on beneficial arthropods. <i>Pest Management Science</i> , <b>2012</b> , 68, 1523-36	3.6	246
690	RNAi Efficiency, Systemic Properties, and Novel Delivery Methods for Pest Insect Control: What We Know So Far. <i>Frontiers in Physiology</i> , <b>2016</b> , 7, 553	4.6	245
689	ACE inhibitory peptides derived from enzymatic hydrolysates of animal muscle protein: a review. <i>Journal of Agricultural and Food Chemistry</i> , <b>2005</b> , 53, 8106-15	5.7	238
688	The genomes of two key bumblebee species with primitive eusocial organization. <i>Genome Biology</i> , <b>2015</b> , 16, 76	18.3	229
687	Plant lectins as defense proteins against phytophagous insects. <i>Phytochemistry</i> , <b>2011</b> , 72, 1538-50	4	223
686	Butyrate-producing bacteria supplemented in vitro to Crohn's disease patient microbiota increased butyrate production and enhanced intestinal epithelial barrier integrity. <i>Scientific Reports</i> , <b>2017</b> , 7, 11450	4.9	203
685	Delivery of dsRNA for RNAi in insects: an overview and future directions. <i>Insect Science</i> , <b>2013</b> , 20, 4-14	3.6	200
684	Regulation of midgut growth, development, and metamorphosis. <i>Annual Review of Entomology</i> , <b>2010</b> , 55, 593-608	21.8	193
683	Risk assessment for side-effects of neonicotinoids against bumblebees with and without impairing foraging behavior. <i>Ecotoxicology</i> , <b>2010</b> , 19, 207-15	2.9	176

682	RNA interference technology in crop protection against arthropod pests, pathogens and nematodes. <i>Pest Management Science</i> , <b>2018</b> , 74, 1239-1250	4.6	175
681	DsRNA degradation in the pea aphid ( <i>Acyrtosiphon pisum</i> ) associated with lack of response in RNAi feeding and injection assay. <i>Peptides</i> , <b>2014</b> , 53, 307-14	3.8	171
680	Effects of invasive parasites on bumble bee declines. <i>Conservation Biology</i> , <b>2011</b> , 25, 662-71	6	163
679	Comprehensive bee pathogen screening in Belgium reveals <i>Crithidia mellificae</i> as a new contributory factor to winter mortality. <i>PLoS ONE</i> , <b>2013</b> , 8, e72443	3.7	160
678	Genomic adaptation to polyphagy and insecticides in a major East Asian noctuid pest. <i>Nature Ecology and Evolution</i> , <b>2017</b> , 1, 1747-1756	12.3	159
677	Aggregation and ecotoxicity of CeO <sub>2</sub> nanoparticles in synthetic and natural waters with variable pH, organic matter concentration and ionic strength. <i>Environmental Pollution</i> , <b>2011</b> , 159, 970-6	9.3	141
676	Synthesis and fungicidal activity of new N,O-acyl chitosan derivatives. <i>Biomacromolecules</i> , <b>2004</b> , 5, 589-96.9		139
675	Action of a novel nonsteroidal ecdysteroid mimic, tebufenozide (RH-5992), on insects of different orders. <i>Pest Management Science</i> , <b>1994</b> , 42, 85-92		130
674	Widespread occurrence of honey bee pathogens in solitary bees. <i>Journal of Invertebrate Pathology</i> , <b>2014</b> , 122, 55-8	2.6	129
673	A model species for agricultural pest genomics: the genome of the Colorado potato beetle, <i>Leptinotarsa decemlineata</i> (Coleoptera: Chrysomelidae). <i>Scientific Reports</i> , <b>2018</b> , 8, 1931	4.9	127
672	Flavonoid interactions during digestion, absorption, distribution and metabolism: a sequential structure-activity/property relationship-based approach in the study of bioavailability and bioactivity. <i>Drug Metabolism Reviews</i> , <b>2015</b> , 47, 175-90	7	120
671	Green leaf volatile production by plants: a meta-analysis. <i>New Phytologist</i> , <b>2018</b> , 220, 666-683	9.8	118
670	Insecticidal and fungicidal activity of new synthesized chitosan derivatives. <i>Pest Management Science</i> , <b>2005</b> , 61, 951-60	4.6	115
669	Control of ecdysteroidogenesis in prothoracic glands of insects: a review. <i>Peptides</i> , <b>2010</b> , 31, 506-19	3.8	109
668	Angiotensin-converting enzyme inhibitory effects by plant phenolic compounds: a study of structure activity relationships. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 11832-9	5.7	108
667	Improved release and metabolism of flavonoids by steered fermentation processes: a review. <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 15, 19369-88	6.3	105
666	A depauperate immune repertoire precedes evolution of sociality in bees. <i>Genome Biology</i> , <b>2015</b> , 16, 83	18.3	103
665	The involvement of clathrin-mediated endocytosis and two Sid-1-like transmembrane proteins in double-stranded RNA uptake in the Colorado potato beetle midgut. <i>Insect Molecular Biology</i> , <b>2016</b> , 25, 315-23	3.4	92

664	Plant-insect interactions: what can we learn from plant lectins?. <i>Archives of Insect Biochemistry and Physiology</i> , <b>2010</b> , 73, 193-212	2.3	91
663	Action of insect growth regulator insecticides and spinosad on life history parameters and absorption in third-instar larvae of the endoparasitoid <i>Hyposoter didymator</i> . <i>Biological Control</i> , <b>2004</b> , 31, 189-198	3.8	89
662	Insect nuclear receptors. <i>Annual Review of Entomology</i> , <b>2012</b> , 57, 83-106	21.8	86
661	Alien parasite hitchhikes to Patagonia on invasive bumblebee. <i>Biological Invasions</i> , <b>2013</b> , 15, 489-494	2.7	86
660	Repellency and toxicity of essential oils from the leaves and bark of <i>Laurelia sempervirens</i> and <i>Drimys winteri</i> against <i>Tribolium castaneum</i> . <i>Industrial Crops and Products</i> , <b>2010</b> , 32, 405-410	5.9	84
659	The challenge of RNAi-mediated control of hemipterans. <i>Current Opinion in Insect Science</i> , <b>2014</b> , 6, 15-21	5.1	83
658	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
657	A nuclease specific to lepidopteran insects suppresses RNAi. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 6011-6021	5.4	80
656	Monitoring of beet armyworm resistance to spinosad and methoxyfenozide in Mexico. <i>Pest Management Science</i> , <b>2008</b> , 64, 1001-7	4.6	80
655	CRISPR/Cas9 in insects: Applications, best practices and biosafety concerns. <i>Journal of Insect Physiology</i> , <b>2017</b> , 98, 245-257	2.4	75
654	RNAi Technology for Insect Management and Protection of Beneficial Insects from Diseases: Lessons, Challenges and Risk Assessments. <i>Neotropical Entomology</i> , <b>2015</b> , 44, 197-213	1.2	75
653	Oral RNAi to control <i>Drosophila suzukii</i> : laboratory testing against larval and adult stages. <i>Journal of Pest Science</i> , <b>2016</b> , 89, 803-814	5.5	74
652	A barley cysteine-proteinase inhibitor reduces the performance of two aphid species in artificial diets and transgenic <i>Arabidopsis</i> plants. <i>Transgenic Research</i> , <b>2011</b> , 20, 305-19	3.3	74
651	Insect cell culture and applications to research and pest management. <i>In Vitro Cellular and Developmental Biology - Animal</i> , <b>2009</b> , 45, 93-105	2.6	74
650	Molecular cloning, expression analysis and functional confirmation of ecdysone receptor and ultraspiracle from the Colorado potato beetle <i>Leptinotarsa decemlineata</i> . <i>FEBS Journal</i> , <b>2005</b> , 272, 4114-4128	5.7	74
649	<i>Bombyx mori</i> DNA/RNA non-specific nuclease: expression of isoforms in insect culture cells, subcellular localization and functional assays. <i>Journal of Insect Physiology</i> , <b>2012</b> , 58, 1166-76	2.4	73
648	Compatibility of Spinosad, Tebufenozide and Azadirachtin with Eggs and Pupae of the Predator <i>Chrysoperla carnea</i> (Stephens) Under Laboratory Conditions. <i>Biocontrol Science and Technology</i> , <b>2001</b> , 11, 597-610	1.7	73
647	Increased RNAi Efficacy in via the Formulation of dsRNA With Guanylated Polymers. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 316	4.6	72

646	Hazards and uptake of chitin synthesis inhibitors in bumblebees <i>Bombus terrestris</i> . <i>Pest Management Science</i> , <b>2006</b> , 62, 752-8	4.6	71
645	Priming of wheat with the green leaf volatile Z-3-hexenyl acetate enhances defense against <i>Fusarium graminearum</i> but boosts deoxynivalenol production. <i>Plant Physiology</i> , <b>2015</b> , 167, 1671-84	6.6	70
644	Toxicity and kinetics of methoxyfenozide in greenhouse-selected <i>Spodoptera exigua</i> (Lepidoptera: Noctuidae). <i>Pest Management Science</i> , <b>2003</b> , 59, 1203-9	4.6	69
643	Mode of action of etoxazole. <i>Pest Management Science</i> , <b>2006</b> , 62, 379-82	4.6	67
642	Ultra(high)-pressure liquid chromatography-electrospray ionization-time-of-flight-ion mobility-high definition mass spectrometry for the rapid identification and structural characterization of flavonoid glycosides from cauliflower waste. <i>Journal of Chromatography A</i> , <b>2014</b> , 1323, 39-48	4.5	65
641	Comprehensive survey of developmental genes in the pea aphid, <i>Acyrtosiphon pisum</i> : frequent lineage-specific duplications and losses of developmental genes. <i>Insect Molecular Biology</i> , <b>2010</b> , 19 Suppl 2, 47-62	3.4	65
640	Evaluation of the susceptibility of the pea aphid, <i>Acyrtosiphon pisum</i> , to a selection of novel biorational insecticides using an artificial diet. <i>Journal of Insect Science</i> , <b>2009</b> , 9, 1-8	2	65
639	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
638	ACE inhibitory activity in enzymatic hydrolysates of insect protein. <i>Journal of Agricultural and Food Chemistry</i> , <b>2005</b> , 53, 5207-11	5.7	65
637	Pesticides and reduced-risk insecticides, native bees and pantropical stingless bees: pitfalls and perspectives. <i>Pest Management Science</i> , <b>2015</b> , 71, 1049-53	4.6	64
636	Diversity and Global Distribution of Viruses of the Western Honey Bee,. <i>Insects</i> , <b>2020</b> , 11,	2.8	63
635	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
634	Diversity and functions of protein glycosylation in insects. <i>Insect Biochemistry and Molecular Biology</i> , <b>2017</b> , 83, 21-34	4.5	61
633	Gastrointestinal Simulation Model TWIN-SHIME Shows Differences between Human Urolithin-Metabotypes in Gut Microbiota Composition, Pomegranate Polyphenol Metabolism, and Transport along the Intestinal Tract. <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 5480-5493	5.7	61
632	Halloween genes and nuclear receptors in ecdysteroid biosynthesis and signalling in the pea aphid. <i>Insect Molecular Biology</i> , <b>2010</b> , 19 Suppl 2, 187-200	3.4	61
631	Identification and expression profile of Halloween genes involved in ecdysteroid biosynthesis in <i>Spodoptera littoralis</i> . <i>Peptides</i> , <b>2010</b> , 31, 456-67	3.8	61
630	Antioxidative and ACE inhibitory activities in enzymatic hydrolysates of the cotton leafworm, <i>Spodoptera littoralis</i> . <i>Food Chemistry</i> , <b>2009</b> , 114, 38-43	8.5	60
629	Ectopically expressed leaf and bulb lectins from garlic ( <i>Allium sativum</i> L.) protect transgenic tobacco plants against cotton leafworm ( <i>Spodoptera littoralis</i> ). <i>Transgenic Research</i> , <b>2008</b> , 17, 9-18	3.3	60

628	Insect Growth- and Development-Disrupting Insecticides <b>2005</b> , 55-115		60
627	Enzyme-assisted extraction enhancing the phenolic release from cauliflower ( <i>Brassica oleracea</i> L. var. <i>botrytis</i> ) outer leaves. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 7468-76	5.7	59
626	Transcriptional response of BmToll9-1 and RNAi machinery genes to exogenous dsRNA in the midgut of <i>Bombyx mori</i> . <i>Journal of Insect Physiology</i> , <b>2013</b> , 59, 646-54	2.4	59
625	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. <i>Journal of Economic Entomology</i> , <b>2003</b> , 96, 1054-1065	2.2	59
624	Toxicity and Absorption of Azadirachtin, Diflubenzuron, Pyriproxyfen, and Tebufenozide after Topical Application in Predatory Larvae of <i>Chrysoperla carnea</i> (Neuroptera: Chrysopidae). <i>Environmental Entomology</i> , <b>2003</b> , 32, 196-203	2.1	59
623	RNAi-based gene silencing through dsRNA injection or ingestion against the African sweet potato weevil <i>Cylas puncticollis</i> (Coleoptera: Brentidae). <i>Pest Management Science</i> , <b>2017</b> , 73, 44-52	4.6	58
622	Angiotensin I-converting enzyme inhibitory activity of gelatin hydrolysates and identification of bioactive peptides. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 552-8	5.7	58
621	Multiplex PCR detection of slowly-evolving trypanosomatids and neogregarines in bumblebees using broad-range primers. <i>Journal of Applied Microbiology</i> , <b>2010</b> , 109, 107-15	4.7	57
620	Carbohydrate-binding activity of the type-2 ribosome-inactivating protein SNA-I from elderberry ( <i>Sambucus nigra</i> ) is a determining factor for its insecticidal activity. <i>Phytochemistry</i> , <b>2008</b> , 69, 2972-8	4	57
619	Fungicidal and Insecticidal Activity of O-Acyl Chitosan Derivatives. <i>Polymer Bulletin</i> , <b>2005</b> , 54, 279-289	2.4	56
618	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
617	High-throughput screening of ecdysone agonists using a reporter gene assay followed by 3-D QSAR analysis of the molting hormonal activity. <i>Bioorganic and Medicinal Chemistry</i> , <b>2006</b> , 14, 1143-59	3.4	55
616	Laboratory test method to evaluate the effect of 31 pesticides on the predatory bug, <i>Orius laevigatus</i> (Het: Anthocoridae). <i>Entomophaga</i> , <b>1996</b> , 41, 235-243		54
615	The Significance of Pharmacokinetics and Metabolism to the Biological Activity of RH-5992 (Tebufenozide) in <i>Spodoptera exempta</i> , <i>Spodoptera exigua</i> , and <i>Leptinotarsa decemlineata</i> . <i>Pesticide Biochemistry and Physiology</i> , <b>1994</b> , 49, 224-234	4.9	52
614	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> , <b>2019</b> , 75, 537-548	4.6	51
613	Expression of <i>Sambucus nigra</i> agglutinin (SNA-I') from elderberry bark in transgenic tobacco plants results in enhanced resistance to different insect species. <i>Transgenic Research</i> , <b>2009</b> , 18, 249-59	3.3	51
612	Combined alkaline hydrolysis and ultrasound-assisted extraction for the release of nonextractable phenolics from cauliflower ( <i>Brassica oleracea</i> var. <i>botrytis</i> ) waste. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 3371-6	5.7	50
611	Differential effects of nonsteroidal ecdysteroid agonists in coleoptera and lepidoptera: Analysis of evagination and receptor binding in imaginal discs. <i>Insect Biochemistry and Molecular Biology</i> , <b>1996</b> , 26, 687-695	4.5	50



610	Diversity in protein glycosylation among insect species. <i>PLoS ONE</i> , <b>2011</b> , 6, e16682	3.7	50
609	Effect of oral infection with Kashmir bee virus and Israeli acute paralysis virus on bumblebee ( <i>Bombus terrestris</i> ) reproductive success. <i>Journal of Invertebrate Pathology</i> , <b>2014</b> , 121, 64-9	2.6	49
608	Lethal and Sublethal Effects of Methoxyfenozide and Spinosad on <i>Spodoptera littoralis</i> (Lepidoptera: Noctuidae). <i>Journal of Economic Entomology</i> , <b>2007</b> , 100, 773-780	2.2	49
607	Significance of penetration, excretion, and transovarial uptake to toxicity of three insect growth regulators in predatory lacewing adults. <i>Archives of Insect Biochemistry and Physiology</i> , <b>2002</b> , 51, 91-101	2.3	49
606	Asian Citrus Psyllid RNAi Pathway - RNAi evidence. <i>Scientific Reports</i> , <b>2016</b> , 6, 38082	4.9	49
605	Lethal and sublethal effects of azadirachtin on the bumblebee <i>Bombus terrestris</i> (Hymenoptera: Apidae). <i>Ecotoxicology</i> , <b>2015</b> , 24, 130-42	2.9	48
604	Viral Delivery of dsRNA for Control of Insect Agricultural Pests and Vectors of Human Disease: Prospects and Challenges. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 399	4.6	48
603	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. <i>PLoS ONE</i> , <b>2017</b> , 12, e0171529	3.7	48
602	The effects of single and mixed infections of <i>Apicystis bombi</i> and deformed wing virus in <i>Bombus terrestris</i> . <i>Parasitology</i> , <b>2016</b> , 143, 358-65	2.7	47
601	Ecotoxicity and uptake of polymer coated gold nanoparticles. <i>Nanotoxicology</i> , <b>2013</b> , 7, 37-47	5.3	46
600	The possible impact of persistent virus infection on the function of the RNAi machinery in insects: a hypothesis. <i>Frontiers in Physiology</i> , <b>2013</b> , 4, 319	4.6	46
599	Influence of alumina coating on characteristics and effects of SiO <sub>2</sub> nanoparticles in algal growth inhibition assays at various pH and organic matter contents. <i>Environment International</i> , <b>2011</b> , 37, 1118-25	12.9	46
598	Significance of absorption, oxidation, and binding to toxicity of four ecdysone agonists in multi-resistant cotton leafworm. <i>Archives of Insect Biochemistry and Physiology</i> , <b>2001</b> , 46, 127-39	2.3	46
597	RNAi: What is its position in agriculture?. <i>Journal of Pest Science</i> , <b>2020</b> , 93, 1125-1130	5.5	45
596	Colorado potato beetle (Coleoptera) gut transcriptome analysis: expression of RNA interference-related genes. <i>Insect Molecular Biology</i> , <b>2013</b> , 22, 668-84	3.4	45
595	The CCK(-like) receptor in the animal kingdom: functions, evolution and structures. <i>Peptides</i> , <b>2011</b> , 32, 607-19	3.8	45
594	Biopesticide-induced behavioral and morphological alterations in the stingless bee <i>Melipona quadrifasciata</i> . <i>Environmental Toxicology and Chemistry</i> , <b>2015</b> , 34, 2149-58	3.8	44
593	Influence of azadirachtin and methoxyfenozide on life parameters of <i>Spodoptera littoralis</i> (Lepidoptera: Noctuidae). <i>Journal of Economic Entomology</i> , <b>2009</b> , 102, 1490-6	2.2	44

592	The ecological impact of four IGR insecticides in adults of <i>Hyposoter didymator</i> (Hym., Ichneumonidae): pharmacokinetics approach. <i>Ecotoxicology</i> , <b>2008</b> , 17, 181-8	2.9	44
591	Selectivity of Nonsteroidal Ecdysteroid Agonists RH 5849 and RH 5992 to Nymphs and Adults of Predatory Soldier Bugs, <i>Podisus nigrispinus</i> and <i>P. maculiventris</i> (Hemiptera: Pentatomidae). <i>Journal of Economic Entomology</i> , <b>1995</b> , 88, 40-45	2.2	44
590	Enantioselective synthesis and determination of the configuration of stenusine, the spreading agent of the beetle <i>Stenus comma</i> . <i>Journal of Organic Chemistry</i> , <b>1993</b> , 58, 4881-4884	4.2	44
589	In silico cloning and annotation of genes involved in the digestion, detoxification and RNA interference mechanism in the midgut of <i>Bactrocera dorsalis</i> [Hendel (Diptera: Tephritidae)]. <i>Insect Molecular Biology</i> , <b>2013</b> , 22, 354-65	3.4	43
588	Antifeedant activity and high mortality in the pea aphid <i>Acyrtosiphon pisum</i> (Hemiptera: Aphidae) induced by biostable insect kinin analogs. <i>Peptides</i> , <b>2010</b> , 31, 498-505	3.8	43
587	Growth and mitogenic effects of arylphorin in vivo and in vitro. <i>Archives of Insect Biochemistry and Physiology</i> , <b>2007</b> , 64, 63-73	2.3	43
586	Lethal and sublethal effects of methoxyfenozide and spinosad on <i>Spodoptera littoralis</i> (Lepidoptera: Noctuidae). <i>Journal of Economic Entomology</i> , <b>2007</b> , 100, 773-80	2.2	43
585	Characterization of volatile compounds from three <i>Cymbopogon</i> species and <i>Eucalyptus citriodora</i> from Benin and their insecticidal activities against <i>Tribolium castaneum</i> . <i>Industrial Crops and Products</i> , <b>2015</b> , 76, 306-317	5.9	42
584	Study of the Metatranscriptome of Eight Social and Solitary Wild Bee Species Reveals Novel Viruses and Bee Parasites. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 177	5.7	42
583	The jasmonate-induced expression of the <i>Nicotiana tabacum</i> leaf lectin. <i>Plant and Cell Physiology</i> , <b>2007</b> , 48, 1207-18	4.9	42
582	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. <i>Journal of Economic Entomology</i> , <b>2003</b> , 96, 1054-65	2.2	42
581	Bee pathogens found in <i>Bombus atratus</i> from Colombia: A case study. <i>Journal of Invertebrate Pathology</i> , <b>2015</b> , 129, 36-9	2.6	41
580	Beyond insects: current status and achievements of RNA interference in mite pests and future perspectives. <i>Pest Management Science</i> , <b>2018</b> , 74, 2680-2687	4.6	41
579	Characterization of sulfakinin and sulfakinin receptor and their roles in food intake in the red flour beetle <i>Tribolium castaneum</i> . <i>General and Comparative Endocrinology</i> , <b>2013</b> , 188, 196-203	3	41
578	Ala-Val-Phe and Val-Phe: ACE inhibitory peptides derived from insect protein with antihypertensive activity in spontaneously hypertensive rats. <i>Peptides</i> , <b>2010</b> , 31, 482-8	3.8	41
577	20-Hydroxyecdysone and juvenile hormone regulate the laminarin-induced nodulation reaction in larvae of the flesh fly, <i>Neobellieria bullata</i> . <i>Developmental and Comparative Immunology</i> , <b>2006</b> , 30, 735-40 <sup>2</sup>	3.2	41
576	Comparative ecdysteroid action of ring-substituted dibenzoylhydrazines in <i>Spodoptera exigua</i> . <i>Archives of Insect Biochemistry and Physiology</i> , <b>1999</b> , 41, 42-53	2.3	41
575	Cadmium uptake and defense mechanism in insect cells. <i>Environmental Research</i> , <b>1999</b> , 80, 231-43	7.9	41



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570	Bumblebees can be used in combination with juvenile hormone analogues and ecdysone agonists. <i>Ecotoxicology</i> , <b>2006</b> , 15, 513-21	2.9	40
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