Guy Smagghe

List of Publications by Year
in descending order

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714	31,989	10351 72	9553 142
papers	citations	h-index	g-index

732	732	732	24848
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chitosan as Antimicrobial Agent:Â Applications and Mode of Action. Biomacromolecules, 2003, 4, 1457-1465.	2.6	2,503
2	Genome Sequence of the Pea Aphid Acyrthosiphon pisum. PLoS Biology, 2010, 8, e1000313.	2.6	913
3	The genome of Tetranychus urticae reveals herbivorous pest adaptations. Nature, 2011, 479, 487-492.	13.7	897
4	Mechanisms of dsRNA uptake in insects and potential of RNAi for pest control: A review. Journal of Insect Physiology, 2010, 56, 227-235.	0.9	818
5	Neonicotinoids in bees: a review on concentrations, side-effects and risk assessment. Ecotoxicology, 2012, 21, 973-992.	1.1	780
6	RNA interference in Lepidoptera: An overview of successful and unsuccessful studies and implications for experimental design. Journal of Insect Physiology, 2011, 57, 231-245.	0.9	729
7	Pesticide-Induced Stress in Arthropod Pests for Optimized Integrated Pest Management Programs. Annual Review of Entomology, 2016, 61, 43-62.	5.7	482
8	Towards the elements of successful insect RNAi. Journal of Insect Physiology, 2013, 59, 1212-1221.	0.9	399
9	RNAi Efficiency, Systemic Properties, and Novel Delivery Methods for Pest Insect Control: What We Know So Far. Frontiers in Physiology, 2016, 7, 553.	1.3	386
10	The genomes of two key bumblebee species with primitive eusocial organization. Genome Biology, 2015, 16, 76.	3.8	330
11	Butyrate-producing bacteria supplemented in vitro to Crohnâ€™s disease patient microbiota increased butyrate production and enhanced intestinal epithelial barrier integrity. Scientific Reports, 2017, 7, 11450.	1.6	324
12	Plant lectins as defense proteins against phytophagous insects. Phytochemistry, 2011, 72, 1538-1550.	1.4	311
13	The nonâ€target impact of spinosyns on beneficial arthropods. Pest Management Science, 2012, 68, 1523-1536.	1.7	297
14	RNA interference technology in crop protection against arthropod pests, pathogens and nematodes. Pest Management Science, 2018, 74, 1239-1250.	1.7	277
15	ACE Inhibitory Peptides Derived from Enzymatic Hydrolysates of Animal Muscle Protein:Â A Review. Journal of Agricultural and Food Chemistry, 2005, 53, 8106-8115.	2.4	269
16	Delivery of dsRNA for RNAi in insects: an overview and future directions. Insect Science, 2013, 20, 4-14.	1.5	269
17	Genomic adaptation to polyphagy and insecticides in a major East Asian noctuid pest. Nature Ecology and Evolution, 2017, 1, 1747-1756.	3.4	269
18	Green leaf volatile production by plants: a metaâ€anâ€analysis. New Phytologist, 2018, 220, 666-683.	3.5	247

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19	DsRNA degradation in the pea aphid (Acyrthosiphon pisum) associated with lack of response in RNAi feeding and injection assay. Peptides, 2014, 53, 307-314.	1.2	242
20	Regulation of Midgut Growth, Development, and Metamorphosis. Annual Review of Entomology, 2010, 55, 593-608.	5.7	229
21	A model species for agricultural pest genomics: the genome of the Colorado potato beetle, Leptinotarsa decemlineata (Coleoptera: Chrysomelidae). Scientific Reports, 2018, 8, 1931.	1.6	215
22	Comprehensive Bee Pathogen Screening in Belgium Reveals Crithidia mellificae as a New Contributory Factor to Winter Mortality. PLoS ONE, 2013, 8, e72443.	1.1	212
23	Risk assessment for side-effects of neonicotinoids against bumblebees with and without impairing foraging behavior. Ecotoxicology, 2010, 19, 207-215.	1.1	208
24	Effects of Invasive Parasites on Bumble Bee Declines. Conservation Biology, 2011, 25, 662-671.	2.4	192
25	Flavonoid interactions during digestion, absorption, distribution and metabolism: a sequential structureâ€“activity/property relationship-based approach in the study of bioavailability and bioactivity. Drug Metabolism Reviews, 2015, 47, 175-190.	1.5	173
26	Widespread occurrence of honey bee pathogens in solitary bees. Journal of Invertebrate Pathology, 2014, 122, 55-58.	1.5	170
27	Double-Stranded RNA Technology to Control Insect Pests: Current Status and Challenges. Frontiers in Plant Science, 2020, 11, 451.	1.7	165
28	Action of a novel nonsteroidal ecdysteroid mimic, tebufenozide (RH-5992), on insects of different orders. Pest Management Science, 1994, 42, 85-92.	0.7	163
29	Aggregation and ecotoxicity of CeO2 nanoparticles in synthetic and natural waters with variable pH, organic matter concentration and ionic strength. Environmental Pollution, 2011, 159, 970-976.	3.7	161
30	Improved Release and Metabolism of Flavonoids by Steered Fermentation Processes: A Review. International Journal of Molecular Sciences, 2014, 15, 19369-19388.	1.8	156
31	Management of Pest Insects and Plant Diseases by Non-Transformative RNAi. Frontiers in Plant Science, 2019, 10, 1319.	1.7	156
32	Angiotensin-Converting Enzyme Inhibitory Effects by Plant Phenolic Compounds: A Study of Structure Activity Relationships. Journal of Agricultural and Food Chemistry, 2013, 61, 11832-11839.	2.4	154
33	Synthesis and Fungicidal Activity of NewN,O-Acyl Chitosan Derivatives. Biomacromolecules, 2004, 5, 589-595.	2.6	152
34	Insecticidal and fungicidal activity of new synthesized chitosan derivatives. Pest Management Science, 2005, 61, 951-960.	1.7	143
35	The involvement of clathrinâ€mediated endocytosis and two Sidâ€1â€like transmembrane proteins in doubleâ€stranded RNA uptake in the Colorado potato beetle midgut. Insect Molecular Biology, 2016, 25, 315-323.	1.0	143
36	Control of ecdysteroidogenesis in prothoracic glands of insects: A review. Peptides, 2010, 31, 506-519.	1.2	130

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37	A depauperate immune repertoire precedes evolution of sociality in bees. Genome Biology, 2015, 16, 83.	3.8	130
38	Diversity and Global Distribution of Viruses of the Western Honey Bee, Apis mellifera. Insects, 2020, 11, 239.	1.0	130
39	The challenge of RNAi-mediated control of hemipterans. Current Opinion in Insect Science, 2014, 6, 15-21.	2.2	128
40	A nuclease specific to lepidopteran insects suppresses RNAi. Journal of Biological Chemistry, 2018, 293, 6011-6021.	1.6	125
41	Increased RNAi Efficacy in Spodoptera exigua via the Formulation of dsRNA With Guanylated Polymers. Frontiers in Physiology, 2018, 9, 316.	1.3	122
42	Oral RNAi to control Drosophila suzukii: laboratory testing against larval and adult stages. Journal of Pest Science, 2016, 89, 803-814.	1.9	119
43	Repellency and toxicity of essential oils from the leaves and bark of Laurelia sempervirens and Drimys winteri against Tribolium castaneum. Industrial Crops and Products, 2010, 32, 405-410.	2.5	115
44	Alien parasite hitchhikes to Patagonia on invasive bumblebee. Biological Invasions, 2013, 15, 489-494.	1.2	112
45	Action of insect growth regulator insecticides and spinosad on life history parameters and absorption in third-instar larvae of the endoparasitoid Hyposoter didymator. Biological Control, 2004, 31, 189-198.	1.4	110
46	Priming of Wheat with the Green Leaf Volatile Z-3-Hexenyl Acetate Enhances Defense against Fusarium graminearum But Boosts Deoxynivalenol Production. Plant Physiology, 2015, 167, 1671-1684.	2.3	110
47	RNAâ€based biocontrol compounds: current status and perspectives to reach the market. Pest Management Science, 2020, 76, 841-845.	1.7	110
48	Plantâ€insect interactions: what can we learn from plant lectins?. Archives of Insect Biochemistry and Physiology, 2010, 73, 193-212.	0.6	109
49	Insect Nuclear Receptors. Annual Review of Entomology, 2012, 57, 83-106.	5.7	109
50	CRISPR/Cas9 in insects: Applications, best practices and biosafety concerns. Journal of Insect Physiology, 2017, 98, 245-257.	0.9	104
51	RNAi Technology for Insect Management and Protection of Beneficial Insects from Diseases: Lessons, Challenges and Risk Assessments. Neotropical Entomology, 2015, 44, 197-213.	0.5	101
52	Insect cell culture and applications to research and pest management. In Vitro Cellular and Developmental Biology - Animal, 2009, 45, 93-105.	0.7	96
53	Bombyx mori DNA/RNA non-specific nuclease: Expression of isoforms in insect culture cells, subcellular localization and functional assays. Journal of Insect Physiology, 2012, 58, 1166-1176.	0.9	95
54	Monitoring of beet armyworm resistance to spinosad and methoxyfenozide in Mexico. Pest Management Science, 2008, 64, 1001-1007.	1.7	93

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55	A barley cysteine-proteinase inhibitor reduces the performance of two aphid species in artificial diets and transgenic Arabidopsis plants. Transgenic Research, 2011, 20, 305-319.	1.3	91
56	Gastrointestinal Simulation Model TWIN-SHIME Shows Differences between Human Urolithin-Metabotypes in Gut Microbiota Composition, Pomegranate Polyphenol Metabolism, and Transport along the Intestinal Tract. Journal of Agricultural and Food Chemistry, 2017, 65, 5480-5493.	2.4	90
57	Compatibility of Spinosad, Tebufenozide and Azadirachtin with Eggs and Pupae of the Predator Chrysoperla carnea (Stephens) Under Laboratory Conditions. Biocontrol Science and Technology, 2001, 11, 597-610.	0.5	87
58	Pesticides and reduced-risk insecticides, native bees and pantropical stingless bees: pitfalls and perspectives. Pest Management Science, 2015, 71, 1049-1053.	1.7	87
59	Liposome encapsulation and EDTA formulation of dsRNA targeting essential genes increase oral RNAiâ€caused mortality in the Neotropical stink bug Euschistus heros. Pest Management Science, 2019, 75, 537-548.	1.7	87
60	Toxicity and kinetics of methoxyfenozide in greenhouse-selectedSpodoptera exigua(Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.7	86
61	Roles of the insulin signaling pathway in insect development and organ growth. Peptides, 2019, 122, 169923.	1.2	84
62	RNAi: What is its position in agriculture?. Journal of Pest Science, 2020, 93, 1125-1130.	1.9	84
63	ACE Inhibitory Activity in Enzymatic Hydrolysates of Insect Protein. Journal of Agricultural and Food Chemistry, 2005, 53, 5207-5211.	2.4	83
64	Mode of action of etoxazole. Pest Management Science, 2006, 62, 379-382.	1.7	82
65	Evaluation of the Susceptibility of the Pea Aphid,Acyrthosiphon pisum, to a Selection of Novel Biorational Insecticides using an Artificial Diet. Journal of Insect Science, 2009, 9, 1-8.	0.6	81
66	Comprehensive survey of developmental genes in the pea aphid, Acyrthosiphon pisum: frequent lineageâ€specific duplications and losses of developmental genes. Insect Molecular Biology, 2010, 19, 47-62.	1.0	81
67	Halloween genes and nuclear receptors in ecdysteroid biosynthesis and signalling in the pea aphid. Insect Molecular Biology, 2010, 19, 187-200.	1.0	81
68	RNAi-based gene silencing through dsRNA injection or ingestion against the African sweet potato weevilCylas puncticollis(Coleoptera: Brentidae). Pest Management Science, 2017, 73, 44-52.	1.7	81
69	Diversity and functions of protein glycosylation in insects. Insect Biochemistry and Molecular Biology, 2017, 83, 21-34.	1.2	80
70	Hazards and uptake of chitin synthesis inhibitors in bumblebeesBombus terrestris. Pest Management Science, 2006, 62, 752-758.	1.7	79
71	Antioxidative and ACE inhibitory activities in enzymatic hydrolysates of the cotton leafworm, Spodoptera littoralis. Food Chemistry, 2009, 114, 38-43.	4.2	79
72	Identification and expression profile of Halloween genes involved in ecdysteroid biosynthesis in Spodoptera littoralis. Peptides, 2010, 31, 456-467.	1.2	78

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73	Molecular cloning, expression analysis and functional confirmation of ecdysone receptor and ultraspiracle from the Colorado potato beetle Leptinotarsa decemlineata. FEBS Journal, 2005, 272, 4114-4128.	2.2	77
74	Novel lactic acid bacteria isolated from the bumble bee gut: Convivina intestini gen. nov., sp. nov., Lactobacillus bombicola sp. nov., and Weissella bombi sp. nov.. Antonie Van Leeuwenhoek, 2015, 107, 1337-1349.	0.7	77
75	Toxicity and Absorption of Azadirachtin, Diflubenzuron, Pyriproxyfen, and Tebufenozide after Topical Application in Predatory Larvae ofChrysoperla carnea(Neuroptera: Chrysopidae). Environmental Entomology, 2003, 32, 196-203.	0.7	76
76	Bee Viruses: Routes of Infection in Hymenoptera. Frontiers in Microbiology, 2020, 11, 943.	1.5	76
77	Viral Delivery of dsRNA for Control of Insect Agricultural Pests and Vectors of Human Disease: Prospects and Challenges. Frontiers in Physiology, 2017, 8, 399.	1.3	75
78	Ultra(high)-pressure liquid chromatographyâ€“electrospray ionization-time-of-flight-ion mobility-high definition mass spectrometry for the rapid identification and structural characterization of flavonoid glycosides from cauliflower waste. Journal of Chromatography A, 2014, 1323, 39-48.	1.8	74
79	Enzyme-Assisted Extraction Enhancing the Phenolic Release from Cauliflower (Brassica) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 7468-7476.	2.4	74
80	Asian Citrus Psyllid RNAi Pathway â€“ RNAi evidence. Scientific Reports, 2016, 6, 38082.	1.6	73
81	Fungicidal and Insecticidal Activity of O-Acyl Chitosan Derivatives. Polymer Bulletin, 2005, 54, 279-289.	1.7	71
82	Ectopically expressed leaf and bulb lectins from garlic (Allium sativum L.) protect transgenic tobacco plants against cotton leafworm (Spodoptera littoralis). Transgenic Research, 2008, 17, 9-18.	1.3	69
83	Transcriptional response of BmToll9-1 and RNAi machinery genes to exogenous dsRNA in the midgut of Bombyx mori. Journal of Insect Physiology, 2013, 59, 646-654.	0.9	69
84	Carbohydrate-binding activity of the type-2 ribosome-inactivating protein SNA-I from elderberry (Sambucus nigra) is a determining factor for its insecticidal activity. Phytochemistry, 2008, 69, 2972-2978.	1.4	68
85	A cellâ€based highâ€throughput screening system for detecting ecdysteroid agonists and antagonists in plant extracts and libraries of synthetic compounds. FASEB Journal, 2004, 18, 134-136.	0.2	67
86	Insect Growth- and Development-Disrupting Insecticides. , 2005, , 55-115.		67
87	Lethal and Sublethal Effects of Methoxyfenozide and Spinosad on <I>Spodoptera littoralis</I> (Lepidoptera: Noctuidae). Journal of Economic Entomology, 2007, 100, 773-780.	0.8	67
88	Multiplex PCR detection of slowlyâ€evolving trypanosomatids and neogregarines in bumblebees using broadâ€range primers. Journal of Applied Microbiology, 2010, 109, 107-115.	1.4	67
89	Expression of Sambucus nigra agglutinin (SNA-Iâ€²) from elderberry bark in transgenic tobacco plants results in enhanced resistance to different insect species. Transgenic Research, 2009, 18, 249-259.	1.3	65
90	Pollination efficiency and foraging behaviour of honey bees and nonâ€Apis bees to sweet cherry. Agricultural and Forest Entomology, 2020, 22, 75-82.	0.7	65

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91	Stress indicator gene expression profiles, colony dynamics and tissue development of honey bees exposed to sub-lethal doses of imidacloprid in laboratory and field experiments. PLoS ONE, 2017, 12, e0171529.	1.1	65
92	Laboratory test method to evaluate the effect of 31 pesticides on the predatory bug,Orius laevigatus (Het: Anthocoridae). Entomophaga, 1996, 41, 235-243.	0.2	64
93	Angiotensin I-Converting Enzyme Inhibitory Activity of Gelatin Hydrolysates and Identification of Bioactive Peptides. Journal of Agricultural and Food Chemistry, 2011, 59, 552-558.	2.4	64
94	Effect of oral infection with Kashmir bee virus and Israeli acute paralysis virus on bumblebee (Bombus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.5	64
95	Combined Alkaline Hydrolysis and Ultrasound-Assisted Extraction for the Release of Nonextractable Phenolics from Cauliflower (Brassica oleracea var. botrytis) Waste. Journal of Agricultural and Food Chemistry, 2014, 62, 3371-3376.	2.4	63
96	Literature review of baseline information on RNAi to support the environmental risk assessment of RNAiâ€based GM plants. EFSA Supporting Publications, 2018, 15, 1424E.	0.3	63
97	Transcriptome Analysis of Bombyx mori Larval Midgut during Persistent and Pathogenic Cytoplasmic Polyhedrosis Virus Infection. PLoS ONE, 2015, 10, e0121447.	1.1	63
98	<scp>C</scp>olorado potato beetle (<scp>C</scp>oleoptera) gut transcriptome analysis: expression of <scp>RNA</scp> interferenceâ€related genes. Insect Molecular Biology, 2013, 22, 668-684.	1.0	62
99	Overexpression of two Î±-esterase genes mediates metabolic resistance to malathion in the oriental fruit fly,Bactrocera dorsalis(Hendel). Insect Molecular Biology, 2015, 24, 467-479.	1.0	62
100	Rethink RNAi in Insect Pest Control: Challenges and Perspectives. Advances in Insect Physiology, 2018, , 1-17.	1.1	62
101	2021 Taxonomic update of phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. Archives of Virology, 2021, 166, 3513-3566.	0.9	62
102	Diversity in Protein Glycosylation among Insect Species. PLoS ONE, 2011, 6, e16682.	1.1	62
103	Toxicity and Pharmacokinetics of Insect Growth Regulators and Other Novel Insecticides on Pupae of Hyposoter didymator (Hymenoptera: Ichneumonidae), a Parasitoid of Early Larval Instars of Lepidopteran Pests. Journal of Economic Entomology, 2003, 96, 1054-1065.	0.8	61
104	The Significance of Pharmacokinetics and Metabolism to the Biological Activity of RH-5992 (Tebufenozide) in Spodoptera exempta, Spodoptera exigua, and Leptinotarsa decemlineata. Pesticide Biochemistry and Physiology, 1994, 49, 224-234.	1.6	60
105	Differential effects of nonsteroidal ecdysteroid agonists in coleoptera and lepidoptera: Analysis of evagination and receptor binding in imaginal discs. Insect Biochemistry and Molecular Biology, 1996, 26, 687-695.	1.2	60
106	The CCK(-like) receptor in the animal kingdom: Functions, evolution and structures. Peptides, 2011, 32, 607-619.	1.2	60
107	Study of the Metatranscriptome of Eight Social and Solitary Wild Bee Species Reveals Novel Viruses and Bee Parasites. Frontiers in Microbiology, 2018, 9, 177.	1.5	60
108	Nuclease activity decreases the RNAi response in the sweetpotato weevil Cylas puncticollis. Insect Biochemistry and Molecular Biology, 2019, 110, 80-89.	1.2	60

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109	Characterization of volatile compounds from three Cymbopogon species and Eucalyptus citriodora from Benin and their insecticidal activities against Tribolium castaneum. Industrial Crops and Products, 2015, 76, 306-317.	2.5	59
110	Significance of penetration, excretion, and transovarial uptake to toxicity of three insect growth regulators in predatory lacewing adults. Archives of Insect Biochemistry and Physiology, 2002, 51, 91-101.	0.6	58
111	High-throughput screening of ecdysone agonists using a reporter gene assay followed by 3-D QSAR analysis of the molting hormonal activity. Bioorganic and Medicinal Chemistry, 2006, 14, 1143-1159.	1.4	58
112	<scp>I</scp>n silico cloning and annotation of genes involved in the digestion, detoxification and <scp>RNA</scp> interference mechanism in the midgut of <scp>B</scp>actrocera dorsalis [<scp>H</scp>endel (<scp>D</scp>iptera: <scp>T</scp>ephritidae)]. Insect Molecular Biology, 2013, 22, 354-365.	1.0	58
113	Defense Mechanisms against Viral Infection in Drosophila: RNAi and Non-RNAi. Viruses, 2018, 10, 230.	1.5	58
114	Topical dsRNA delivery induces gene silencing and mortality in the pea aphid. Pest Management Science, 2019, 75, 2873-2881.	1.7	58
115	Influence of Azadirachtin and Methoxyfenozide on Life Parameters of <I>Spodoptera littoralis</I> (Lepidoptera: Noctuidae). Journal of Economic Entomology, 2009, 102, 1490-1496.	0.8	57
116	Antifeedant activity and high mortality in the pea aphid Acyrthosiphon pisum (Hemiptera: Aphidae) induced by biostable insect kinin analogs. Peptides, 2010, 31, 498-505.	1.2	57
117	Orysata, a jacalin-related lectin from rice, could protect plants against biting-chewing and piercing-sucking insects. Plant Science, 2014, 221-222, 21-28.	1.7	57
118	Lethal and sublethal effects of azadirachtin on the bumblebee Bombus terrestris (Hymenoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	1.1	57
119	The effects of single and mixed infections ofApicystis bombiand deformed wing virus inBombus terrestris. Parasitology, 2016, 143, 358-365.	0.7	57
120	Triterpene saponins of Quillaja saponaria show strong aphicidal and deterrent activity against the pea aphid Acyrthosiphon pisum. Pest Management Science, 2012, 68, 164-169.	1.7	56
121	Vitellogenin and its receptor play essential roles in the development and reproduction of the brown citrus aphid, Aphis (Toxoptera) citricidus. Insect Molecular Biology, 2018, 27, 221-233.	1.0	56
122	Beyond insects: current status and achievements of RNA interference in mite pests and future perspectives. Pest Management Science, 2018, 74, 2680-2687.	1.7	56
123	The possible impact of persistent virus infection on the function of the RNAi machinery in insects: a hypothesis. Frontiers in Physiology, 2013, 4, 319.	1.3	55
124	Bee pathogens found in Bombus atratus from Colombia: A case study. Journal of Invertebrate Pathology, 2015, 129, 36-39.	1.5	55
125	Identification of Male- and Female-Specific Olfaction Genes in Antennae of the Oriental Fruit Fly (Bactrocera dorsalis). PLoS ONE, 2016, 11, e0147783.	1.1	55
126	Cadmium Uptake and Defense Mechanism in Insect Cells. Environmental Research, 1999, 80, 231-243.	3.7	54

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127	Lethal and Sublethal Effects of Methoxyfenozide and Spinosad on Spodoptera littoralis (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Ove	0.8	54
128	Influence of alumina coating on characteristics and effects of SiO2 nanoparticles in algal growth inhibition assays at various pH and organic matter contents. Environment International, 2011, 37, 1118-1125.	4.8	54
129	Apicystis bombi (Apicomplexa: Neogregarinorida) parasitizing Apis mellifera and Bombus terrestris (Hymenoptera: Apidae) in Argentina. Environmental Microbiology Reports, 2011, 3, 565-568.	1.0	54
130	Biopesticideâ€induced behavioral and morphological alterations in the stingless bee Melipona quadrifasciata. Environmental Toxicology and Chemistry, 2015, 34, 2149-2158.	2.2	54
131	Liquid chromatographyâ€“mass spectrometry coupled with multivariate analysis for the characterization and discrimination of extractable and nonextractable polyphenols and glucosinolates from red cabbage and Brussels sprout waste streams. Journal of Chromatography A, 2015, 1402, 60-70.	1.8	54
132	Genome-enabled insights into the biology of thrips as crop pests. BMC Biology, 2020, 18, 142.	1.7	54
133	Toxicity and Pharmacokinetics of Insect Growth Regulators and Other Novel Insecticides on Pupae of <I>Hyposoter didymator</I> (Hymenoptera: Ichneumonidae), a Parasitoid of Early Larval Instars of Lepidopteran Pests. Journal of Economic Entomology, 2003, 96, 1054-1065.	0.8	53
134	Pollinator diversity, floral resources and semi-natural habitat, instead of honey bees and intensive agriculture, enhance pollination service to sweet cherry. Agriculture, Ecosystems and Environment, 2019, 284, 106586.	2.5	53
135	Enantioselective synthesis and determination of the configuration of stenusine, the spreading agent of the beetle Stenus comma. Journal of Organic Chemistry, 1993, 58, 4881-4884.	1.7	52
136	20-Hydroxyecdysone and juvenile hormone regulate the laminarin-induced nodulation reaction in larvae of the flesh fly, Neobellieria bullata. Developmental and Comparative Immunology, 2006, 30, 735-740.	1.0	52
137	Insecticidal activity of plant-derived extracts against different economically important pest insects. Phytoparasitica, 2017, 45, 113-124.	0.6	52
138	Ecotoxicity and uptake of polymer coated gold nanoparticles. Nanotoxicology, 2013, 7, 37-47.	1.6	51
139	16S rRNA Amplicon Sequencing Demonstrates that Indoor-Reared Bumblebees (Bombus terrestris) Harbor a Core Subset of Bacteria Normally Associated with the Wild Host. PLoS ONE, 2015, 10, e0125152.	1.1	51
140	Bombella intestini gen. nov., sp. nov., an acetic acid bacterium isolated from bumble bee crop. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 267-273.	0.8	51
141	In vitro antioxidant activity and phenolic profiles of tropical fruit byâ€products. International Journal of Food Science and Technology, 2019, 54, 1169-1178.	1.3	51
142	The Jasmonate-Induced Expression of the Nicotiana tabacum Leaf Lectin. Plant and Cell Physiology, 2007, 48, 1207-1218.	1.5	50
143	Ala-Val-Phe and Val-Phe: ACE inhibitory peptides derived from insect protein with antihypertensive activity in spontaneously hypertensive rats. Peptides, 2010, 31, 482-488.	1.2	50
144	Ageâ€and taskâ€dependent foraging gene expression in the bumblebee Bombus terrestris. Archives of Insect Biochemistry and Physiology, 2011, 76, 30-42.	0.6	50

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145	Bisacylhydrazine Insecticides for Selective Pest Control. Advances in Insect Physiology, 2012, , 163-249.	1.1	50
146	InÂvivo study of Dicer-2-mediated immune response of the small interfering RNA pathway upon systemic infections of virulent and avirulent viruses in Bombus terrestris. Insect Biochemistry and Molecular Biology, 2016, 70, 127-137.	1.2	50
147	Colony contact contributes to the diversity of gut bacteria in bumblebees (Bombus terrestris). Insect Science, 2017, 24, 270-277.	1.5	50
148	Ecdysis Triggering Hormone Signaling (ETH/ETHR-A) Is Required for the Larva-Larva Ecdysis in Bactrocera dorsalis (Diptera: Tephritidae). Frontiers in Physiology, 2017, 8, 587.	1.3	50
149	Endocrine disruption in aquatic insects: a review. Ecotoxicology, 2007, 16, 83-93.	1.1	49
150	Antiâ€inflammatory potential of black carrot (Daucus carota L.) polyphenols in a coâ€culture model of intestinal Cacoâ€2 and endothelial EA.hy926 cells. Molecular Nutrition and Food Research, 2017, 61, 1600455.	1.5	49
151	Induction of RNAi Core Machineryâ€™s Gene Expression by Exogenous dsRNA and the Effects of Pre-exposure to dsRNA on the Gene Silencing Efficiency in the Pea Aphid (Acyrthosiphon pisum). Frontiers in Physiology, 2018, 9, 1906.	1.3	49
152	Bumblebee resilience to climate change, through plastic and adaptive responses. Global Change Biology, 2021, 27, 4223-4237.	4.2	49
153	Molecular Characterization and Function Analysis of the Vitellogenin Receptor from the Cotton Bollworm, Helicoverpa armigera (HÃ¼bner) (Lepidoptera, Noctuidae). PLoS ONE, 2016, 11, e0155785.	1.1	49
154	In vivo and in vitro effects of the nonsteroidal ecdysteroid agonist tebufenozide on cuticle formation inSpodoptera exigua: An ultrastructural approach. Archives of Insect Biochemistry and Physiology, 1996, 33, 121-134.	0.6	48
155	Significance of absorption, oxidation, and binding to toxicity of four ecdysone agonists in multi-resistant cotton leafworm. Archives of Insect Biochemistry and Physiology, 2001, 46, 127-139.	0.6	48
156	Enhancement of fungicidal and insecticidal activity by reductive alkylation of chitosan. Pest Management Science, 2006, 62, 890-897.	1.7	48
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