

Joop J A Van Loon

List of Publications by Year in descending order

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254
papers

18,211
citations

10986

71
h-index

18130

120
g-index

260
all docs

260
docs citations

260
times ranked

12295
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Glucosinolates in Insect-Plant Relationships and Multitrophic Interactions. Annual Review of Entomology, 2009, 54, 57-83.	11.8	771
2	An Exploration on Greenhouse Gas and Ammonia Production by Insect Species Suitable for Animal or Human Consumption. PLoS ONE, 2010, 5, e14445.	2.5	532
3	Feed Conversion, Survival and Development, and Composition of Four Insect Species on Diets Composed of Food By-Products. PLoS ONE, 2015, 10, e0144601.	2.5	532
4	Helping plants to deal with insects: the role of beneficial soil-borne microbes. Trends in Plant Science, 2010, 15, 507-514.	8.8	528
5	Multitrophic effects of herbivore-induced plant volatiles in an evolutionary context. Entomologia Experimentalis Et Applicata, 2000, 97, 237-249.	1.4	416
6	Nutritional value of the black soldier fly (<i>Hermetia illucens</i> L.) and its suitability as animal feed – a review. Journal of Insects As Food and Feed, 2017, 3, 105-120.	3.9	373
7	Chemical complexity of volatiles from plants induced by multiple attack. Nature Chemical Biology, 2009, 5, 317-324.	8.0	364
8	Plant Interactions with Multiple Insect Herbivores: From Community to Genes. Annual Review of Plant Biology, 2014, 65, 689-713.	18.7	361
9	Odor Coding in the Maxillary Palp of the Malaria Vector Mosquito <i>Anopheles gambiae</i> . Current Biology, 2007, 17, 1533-1544.	3.9	314
10	Growth performance and feed conversion efficiency of three edible mealworm species (Coleoptera: Tenebrionidae). Journal of Insects As Food and Feed, 2017, 3, 121-127.	2.0	272
11	Metabolic and Transcriptomic Changes Induced in <i>Arabidopsis</i> by the Rhizobacterium <i>Pseudomonas fluorescens</i> SS101. Plant Physiology, 2012, 160, 2173-2188.	4.8	254
12	Whiteflies interfere with indirect plant defense against spider mites in Lima bean. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 21202-21207.	7.1	247
13	Attraction of Colorado Potato Beetle to Herbivore-Damaged Plants During Herbivory and After Its Termination. Journal of Chemical Ecology, 1997, 23, 1003-1023.	1.8	228
14	Virulence Factors of Geminivirus Interact with MYC2 to Subvert Plant Resistance and Promote Vector Performance. Plant Cell, 2014, 26, 4991-5008.	6.6	224
15	Early season herbivore differentially affects plant defence responses to subsequently colonizing herbivores and their abundance in the field. Molecular Ecology, 2008, 17, 3352-3365.	3.9	214
16	Composition of Human Skin Microbiota Affects Attractiveness to Malaria Mosquitoes. PLoS ONE, 2011, 6, e28991.	2.5	208
17	Transcriptome dynamics of <i>Arabidopsis</i> during sequential biotic and abiotic stresses. Plant Journal, 2016, 86, 249-267.	5.7	200
18	Dietary specialization and infochemical use in carnivorous arthropods: testing a concept. Entomologia Experimentalis Et Applicata, 2003, 108, 133-148.	1.4	197

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19	The potential of future foods for sustainable and healthy diets. <i>Nature Sustainability</i> , 2018, 1, 782-789.	23.7	197
20	Parasitoid-plant mutualism: parasitoid attack of herbivore increases plant reproduction. <i>Entomologia Experimentalis Et Applicata</i> , 2000, 97, 219-227.	1.4	186
21	Synergism between ammonia, lactic acid and carboxylic acids as kairomones in the host-seeking behaviour of the malaria mosquito <i>Anopheles gambiae sensu stricto</i> (Diptera: Culicidae). <i>Chemical Senses</i> , 2005, 30, 145-152.	2.0	181
22	Safety evaluation of neem (<i>Azadirachta indica</i>) derived pesticides. <i>Journal of Ethnopharmacology</i> , 2004, 94, 25-41.	4.1	169
23	Hyperparasitoids Use Herbivore-Induced Plant Volatiles to Locate Their Parasitoid Host. <i>PLoS Biology</i> , 2012, 10, e1001435.	5.6	168
24	Consequences of variation in plant defense for biodiversity at higher trophic levels. <i>Trends in Plant Science</i> , 2008, 13, 534-541.	8.8	160
25	Nutrient utilisation by black soldier flies fed with chicken, pig, or cow manure. <i>Journal of Insects As Food and Feed</i> , 2015, 1, 131-139.	3.9	157
26	The effects of herbivore-induced plant volatiles on interactions between plants and flower-visiting insects. <i>Phytochemistry</i> , 2011, 72, 1647-1654.	2.9	154
27	Plant Volatiles Induced by Herbivore Egg Deposition Affect Insects of Different Trophic Levels. <i>PLoS ONE</i> , 2012, 7, e43607.	2.5	152
28	Jasmonic acid-induced volatiles of <i>Brassica oleracea</i> attract parasitoids: effects of time and dose, and comparison with induction by herbivores. <i>Journal of Experimental Botany</i> , 2009, 60, 2575-2587.	4.8	151
29	Modulation of flavonoid metabolites in <i>Arabidopsis thaliana</i> through overexpression of the MYB75 transcription factor: role of kaempferol-3,7-dirhamnoside in resistance to the specialist insect herbivore <i>Pieris brassicae</i> . <i>Journal of Experimental Botany</i> , 2014, 65, 2203-2217.	4.8	150
30	Genetic architecture of plant stress resistance: multi-trait genome-wide association mapping. <i>New Phytologist</i> , 2017, 213, 1346-1362.	7.3	144
31	Flower vs. Leaf Feeding by <i>Pieris brassicae</i> : Glucosinolate-Rich Flower Tissues are Preferred and Sustain Higher Growth Rate. <i>Journal of Chemical Ecology</i> , 2007, 33, 1831-1844.	1.8	135
32	Influence of larval density and dietary nutrient concentration on performance, body protein, and fat contents of black soldier fly larvae (<i>Hermetia illucens</i>). <i>Entomologia Experimentalis Et Applicata</i> , 2018, 166, 761-770.	1.4	135
33	Leaf surface compound from <i>Brassica oleracea</i> (Cruciferae) induces oviposition by <i>Pieris brassicae</i> (Lepidoptera: Pieridae). <i>Chemoecology</i> , 1992, 3, 39-44.	1.1	133
34	Identification of Olfactory Stimulants for <i>Anopheles gambiae</i> from Human Sweat Samples. <i>Journal of Chemical Ecology</i> , 2000, 26, 1367-1382.	1.8	133
35	Olfactory Coding in Antennal Neurons of the Malaria Mosquito, <i>Anopheles gambiae</i> . <i>Chemical Senses</i> , 2006, 31, 845-863.	2.0	130
36	Differential Attraction of Malaria Mosquitoes to Volatile Blends Produced by Human Skin Bacteria. <i>PLoS ONE</i> , 2010, 5, e15829.	2.5	128

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37	Inhibition of host-seeking response and olfactory responsiveness in <i>Anopheles gambiae</i> following blood feeding. <i>Journal of Insect Physiology</i> , 2001, 47, 303-310.	2.0	122
38	Insects to feed the world. <i>Journal of Insects As Food and Feed</i> , 2015, 1, 3-5.	3.9	121
39	Chemical diversity in <i>Brassica oleracea</i> affects biodiversity of insect herbivores. <i>Ecology</i> , 2009, 90, 1863-1877.	3.2	120
40	Jasmonic Acid and Ethylene Signaling Pathways Regulate Glucosinolate Levels in Plants During Rhizobacteria-Induced Systemic Resistance Against a Leaf-Chewing Herbivore. <i>Journal of Chemical Ecology</i> , 2016, 42, 1212-1225.	1.8	118
41	Conversion of organic resources by black soldier fly larvae: Legislation, efficiency and environmental impact. <i>Journal of Cleaner Production</i> , 2019, 222, 355-363.	9.3	116
42	Interindividual variation in the attractiveness of human odours to the malaria mosquito <i>Anopheles gambiae</i> s. s.. <i>Medical and Veterinary Entomology</i> , 2006, 20, 280-287.	1.5	110
43	Non-pathogenic rhizobacteria interfere with the attraction of parasitoids to aphid-induced plant volatiles via jasmonic acid signalling. <i>Plant, Cell and Environment</i> , 2013, 36, 393-404.	5.7	110
44	Two-way plant mediated interactions between root-associated microbes and insects: from ecology to mechanisms. <i>Frontiers in Plant Science</i> , 2013, 4, 414.	3.6	110
45	Antennal sensilla of two parasitoid wasps: A comparative scanning electron microscopy study. <i>Microscopy Research and Technique</i> , 2004, 63, 266-273.	2.2	109
46	Male-derived butterfly anti-aphrodisiac mediates induced indirect plant defense. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 10033-10038.	7.1	109
47	A Novel Synthetic Odorant Blend for Trapping of Malaria and Other African Mosquito Species. <i>Journal of Chemical Ecology</i> , 2012, 38, 235-244.	1.8	109
48	Jasmonate and ethylene signaling mediate whitefly-induced interference with indirect plant defense in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2013, 197, 1291-1299.	7.3	109
49	Consideration of insects as a source of dietary protein for human consumption. <i>Nutrition Reviews</i> , 2017, 75, 1035-1045.	5.8	109
50	Behavioural and electrophysiological responses of the female malaria mosquito <i>Anopheles gambiae</i> (Diptera: Culicidae) to Limburger cheese volatiles. <i>Bulletin of Entomological Research</i> , 1997, 87, 151-159.	1.0	108
51	Toxicity and repellence of African plants traditionally used for the protection of stored cowpea against <i>Callosobruchus maculatus</i> . <i>Journal of Stored Products Research</i> , 2004, 40, 423-438.	2.6	107
52	Olfactory receptors on the antennae of the malaria mosquito <i>Anopheles gambiae</i> are sensitive to ammonia and other sweat-borne components. <i>Journal of Insect Physiology</i> , 2001, 47, 455-464.	2.0	103
53	Performance of specialist and generalist herbivores feeding on cabbage cultivars is not explained by glucosinolate profiles. <i>Entomologia Experimentalis Et Applicata</i> , 2008, 127, 218-228.	1.4	103
54	Phytohormone Mediation of Interactions Between Herbivores and Plant Pathogens. <i>Journal of Chemical Ecology</i> , 2014, 40, 730-741.	1.8	99

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55	Dietary enrichment of edible insects with omega 3 fatty acids. <i>Insect Science</i> , 2020, 27, 500-509.	3.0	99
56	Insects for sustainable animal feed: inclusive business models involving smallholder farmers. <i>Current Opinion in Environmental Sustainability</i> , 2019, 41, 23-30.	6.3	98
57	The Effect of Aliphatic Carboxylic Acids on Olfaction-Based Host-Seeking of the Malaria Mosquito <i>Anopheles gambiae sensu stricto</i> . <i>Journal of Chemical Ecology</i> , 2009, 35, 933-943.	1.8	97
58	Threshold temperatures and thermal requirements of black soldier fly <i>Hermetia illucens</i> : Implications for mass production. <i>PLoS ONE</i> , 2018, 13, e0206097.	2.5	94
59	GC-EAG-analysis of volatiles from Brussels sprouts plants damaged by two species of <i>Pieris</i> caterpillars: olfactory receptive range of a specialist and a generalist parasitoid wasp species. <i>Chemoecology</i> , 2002, 12, 169-176.	1.1	93
60	Butterfly anti-aphrodisiac lures parasitic wasps. <i>Nature</i> , 2005, 433, 704-704.	27.8	93
61	Species-specific acquisition and consolidation of long-term memory in parasitic wasps. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 1539-1546.	2.6	93
62	Herbivore-induced plant responses in <i>Brassica oleracea</i> prevail over effects of constitutive resistance and result in enhanced herbivore attack. <i>Ecological Entomology</i> , 2010, 35, 240-247.	2.2	91
63	Rhizobacteria modify plant-aphid interactions: a case of induced systemic susceptibility. <i>Plant Biology</i> , 2012, 14, 83-90.	3.8	91
64	Transgenic plants as vital components of integrated pest management. <i>Trends in Biotechnology</i> , 2009, 27, 621-627.	9.3	89
65	<i>Anopheles gambiae</i> TRPA1 is a heat-activated channel expressed in thermosensitive sensilla of female antennae. <i>European Journal of Neuroscience</i> , 2009, 30, 967-974.	2.6	89
66	Herbivore-Induced Plant Volatiles Mediate In-Flight Host Discrimination by Parasitoids. <i>Journal of Chemical Ecology</i> , 2005, 31, 2033-2047.	1.8	88
67	Field parasitism rates of caterpillars on <i>Brassica oleracea</i> plants are reliably predicted by differential attraction of <i>Cotesia</i> parasitoids. <i>Functional Ecology</i> , 2009, 23, 951-962.	3.6	87
68	Chemoreception of phenolic acids and flavonoids in larvae of two species of <i>Pieris</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1990, 166, 889-899.	1.6	86
69	Rhizobacterial colonization of roots modulates plant volatile emission and enhances the attraction of a parasitoid wasp to host-infested plants. <i>Oecologia</i> , 2015, 178, 1169-1180.	2.0	83
70	Reciprocal crosstalk between jasmonate and salicylate defence-signalling pathways modulates plant volatile emission and herbivore host-selection behaviour. <i>Journal of Experimental Botany</i> , 2014, 65, 3289-3298.	4.8	80
71	Herbivore-Mediated Effects of Glucosinolates on Different Natural Enemies of a Specialist Aphid. <i>Journal of Chemical Ecology</i> , 2012, 38, 100-115.	1.8	77
72	Insects as sources of iron and zinc in human nutrition. <i>Nutrition Research Reviews</i> , 2018, 31, 248-255.	4.1	77

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73	Flavonoids from cabbage are feeding stimulants for diamondback moth larvae additional to glucosinolates: Chemoreception and behaviour. <i>Entomologia Experimentalis Et Applicata</i> , 2002, 104, 27-34.	1.4	75
74	Central projections of olfactory receptor neurons from single antennal and palpal sensilla in mosquitoes. <i>Arthropod Structure and Development</i> , 2003, 32, 319-327.	1.4	75
75	Jasmonic Acid-Induced Changes in <i>Brassica oleracea</i> Affect Oviposition Preference of Two Specialist Herbivores. <i>Journal of Chemical Ecology</i> , 2007, 33, 655-668.	1.8	74
76	Comparative headspace analysis of cabbage plants damaged by two species of <i>Pieris</i> caterpillars: consequences for in-flight host location by <i>Cotesia</i> parasitoids. <i>Entomologia Experimentalis Et Applicata</i> , 1994, 73, 175-182.	1.4	73
77	Assessing the efficacy of candidate mosquito repellents against the background of an attractive source that mimics a human host. <i>Medical and Veterinary Entomology</i> , 2014, 28, 407-413.	1.5	68
78	Nutritional composition of black soldier fly larvae feeding on agro-industrial by-products. <i>Entomologia Experimentalis Et Applicata</i> , 2020, 168, 472-481.	1.4	68
79	Sensitivities of antennal olfactory neurons of the malaria mosquito, <i>Anopheles gambiae</i> , to carboxylic acids. <i>Journal of Insect Physiology</i> , 1999, 45, 365-373.	2.0	66
80	Phenotypic plasticity of plant response to herbivore eggs: effects on resistance to caterpillars and plant development. <i>Ecology</i> , 2013, 94, 702-713.	3.2	66
81	Inhibition of lipoxygenase affects induction of both direct and indirect plant defences against herbivorous insects. <i>Oecologia</i> , 2010, 162, 393-404.	2.0	64
82	Three-dimensional organization of the glomeruli in the antennal lobe of the parasitoid wasps <i>Cotesia glomerata</i> and <i>C. rubecula</i> . <i>Cell and Tissue Research</i> , 2003, 312, 237-248.	2.9	63
83	Qualitative and Quantitative Differences in Herbivore-Induced Plant Volatile Blends from Tomato Plants Infested by Either <i>Tuta absoluta</i> or <i>Bemisia tabaci</i> . <i>Journal of Chemical Ecology</i> , 2017, 43, 53-65.	1.8	63
84	Behavioural and electrophysiological responses of the malaria mosquito <i>Anopheles gambiae</i> Giles sensu stricto (Diptera: Culicidae) to human skin emanations. <i>Medical and Veterinary Entomology</i> , 2004, 18, 429-438.	1.5	62
85	Mosquito Attraction: Crucial Role of Carbon Dioxide in Formulation of a Five-Component Blend of Human-Derived Volatiles. <i>Journal of Chemical Ecology</i> , 2015, 41, 567-573.	1.8	62
86	Genome-wide association analysis reveals distinct genetic architectures for single and combined stress responses in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2017, 213, 838-851.	7.3	62
87	Differences in memory dynamics between two closely related parasitoid wasp species. <i>Animal Behaviour</i> , 2006, 71, 1343-1350.	1.9	61
88	Folivory Affects Composition of Nectar, Floral Odor and Modifies Pollinator Behavior. <i>Journal of Chemical Ecology</i> , 2014, 40, 39-49.	1.8	61
89	Visual and odour cues: plant responses to pollination and herbivory affect the behaviour of flower visitors. <i>Functional Ecology</i> , 2016, 30, 431-441.	3.6	61
90	Reproductive escape: annual plant responds to butterfly eggs by accelerating seed production. <i>Functional Ecology</i> , 2013, 27, 245-254.	3.6	60

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91	Plant response to eggs vs. Host marking pheromone as factors inhibiting oviposition by <i>Pieris brassicae</i> . <i>Journal of Chemical Ecology</i> , 1994, 20, 1657-1665.	1.8	59
92	Bioconversion efficiencies, greenhouse gas and ammonia emissions during black soldier fly rearing – A mass balance approach. <i>Journal of Cleaner Production</i> , 2020, 271, 122488.	9.3	59
93	Effects of glucosinolates on a generalist and specialist leaf-chewing herbivore and an associated parasitoid. <i>Phytochemistry</i> , 2012, 77, 162-170.	2.9	58
94	Aphrodisiac Pheromones from the Wings of the Small Cabbage White and Large Cabbage White Butterflies, <i>Pieris rapae</i> and <i>Pieris brassicae</i> . <i>ChemBioChem</i> , 2009, 10, 1666-1677.	2.6	57
95	Hitch-hiking parasitic wasp learns to exploit butterfly antiaphrodisiac. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 820-825.	7.1	56
96	Molasses as a source of carbon dioxide for attracting the malaria mosquitoes <i>Anopheles gambiae</i> and <i>Anopheles funestus</i> . <i>Malaria Journal</i> , 2014, 13, 160.	2.3	56
97	Response of the zoophytophagous predators <i>Macrolophus pygmaeus</i> and <i>Nesidiocoris tenuis</i> to volatiles of uninfested plants and to plants infested by prey or conspecifics. <i>BioControl</i> , 2014, 59, 707-718.	2.0	55
98	Density-Dependent Interference of Aphids with Caterpillar-Induced Defenses in <i>Arabidopsis</i> : Involvement of Phytohormones and Transcription Factors. <i>Plant and Cell Physiology</i> , 2015, 56, 98-106.	3.1	55
99	Variation in plant-mediated interactions between rhizobacteria and caterpillars: potential role of soil composition. <i>Plant Biology</i> , 2015, 17, 474-483.	3.8	55
100	Effect of Dietary Replacement of Fishmeal by Insect Meal on Growth Performance, Blood Profiles and Economics of Growing Pigs in Kenya. <i>Animals</i> , 2019, 9, 705.	2.3	55
101	Effects of waste stream combinations from brewing industry on performance of Black Soldier Fly, <i>Hermetia illucens</i> (Diptera: Stratiomyidae). <i>PeerJ</i> , 2018, 6, e5885.	2.0	55
102	Symbiotic polydnavirus and venom reveal parasitoid to its hyperparasitoids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5205-5210.	7.1	54
103	Effects of dietary protein and carbohydrate on life-history traits and body protein and fat contents of the black soldier fly <i>Hermetia illucens</i> . <i>Physiological Entomology</i> , 2019, 44, 148-159.	1.5	54
104	Effect of prior drought and pathogen stress on <i>Arabidopsis</i> transcriptome changes to caterpillar herbivory. <i>New Phytologist</i> , 2016, 210, 1344-1356.	7.3	53
105	Improvement of a synthetic lure for <i>Anopheles gambiae</i> using compounds produced by human skin microbiota. <i>Malaria Journal</i> , 2011, 10, 28.	2.3	52
106	Title is missing!. <i>Journal of Chemical Ecology</i> , 2000, 26, 1433-1445.	1.8	51
107	Attractiveness of MM-X Traps Baited with Human or Synthetic Odor to Mosquitoes (Diptera: Culicidae) in The Gambia. <i>Journal of Medical Entomology</i> , 2007, 44, 970-983.	1.8	51
108	Parasitoid load affects plant fitness in a tritrophic system. <i>Entomologia Experimentalis Et Applicata</i> , 2008, 128, 172-183.	1.4	51

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109	Relative importance of plant-mediated bottom-up and top-down forces on herbivore abundance on <i>Brassica oleracea</i> . <i>Functional Ecology</i> , 2011, 25, 1113-1124.	3.6	51
110	A push-pull system to reduce house entry of malaria mosquitoes. <i>Malaria Journal</i> , 2014, 13, 119.	2.3	51
111	Specialist deterrent chemoreceptors enable <i>Pieris</i> caterpillars to discriminate between chemically different deterrents. <i>Entomologia Experimentalis Et Applicata</i> , 1999, 91, 29-35.	1.4	50
112	Tarsal taste neuron activity and proboscis extension reflex in response to sugars and amino acids in <i>Helicoverpa armigera</i> (Hübner). <i>Journal of Experimental Biology</i> , 2010, 213, 2889-2895.	1.7	50
113	Title is missing!. <i>Journal of Chemical Ecology</i> , 1999, 25, 2313-2325.	1.8	49
114	Assessing environmental impacts of genetically modified plants on non-target organisms: The relevance of in planta studies. <i>Science of the Total Environment</i> , 2017, 583, 123-132.	8.0	49
115	Anti-aphrodisiac Compounds of Male Butterflies Increase the Risk of Egg Parasitoid Attack by Inducing Plant Synomone Production. <i>Journal of Chemical Ecology</i> , 2009, 35, 1373-1381.	1.8	48
116	The diamondback moth, <i>Plutella xylostella</i> , specifically inactivates Mustard Trypsin Inhibitor 2 (MTI2) to overcome host plant defence. <i>Insect Biochemistry and Molecular Biology</i> , 2009, 39, 55-61.	2.7	47
117	Insects are a viable protein source for human consumption: from insect protein digestion to postprandial muscle protein synthesis in vivo in humans: a double-blind randomized trial. <i>American Journal of Clinical Nutrition</i> , 2021, 114, 934-944.	4.7	47
118	Attractiveness of MM-X Traps Baited with Human or Synthetic Odor to Mosquitoes (Diptera: Culicidae) in The Gambia. <i>Journal of Medical Entomology</i> , 2007, 44, 970-983.	1.8	47
119	Insect frass and exuviae to promote plant growth and health. <i>Trends in Plant Science</i> , 2022, 27, 646-654.	8.8	47
120	Herbivore-induced volatiles of cabbage (<i>Brassica oleracea</i>) prime defence responses in neighbouring intact plants. <i>Plant Biology</i> , 2011, 13, 276-284.	3.8	46
121	Neonates know better than their mothers when selecting a host plant. <i>Oikos</i> , 2012, 121, 1923-1934.	2.7	46
122	Degradation and excretion of the <i>Fusarium</i> toxin deoxynivalenol by an edible insect, the Yellow mealworm (<i>Tenebrio molitor</i> L.). <i>World Mycotoxin Journal</i> , 2017, 10, 163-169.	1.4	46
123	Black soldier fly reared on pig manure: Bioconversion efficiencies, nutrients in the residual material, greenhouse gas and ammonia emissions. <i>Waste Management</i> , 2021, 126, 674-683.	7.4	46
124	Prey-mediated effects of glucosinolates on aphid predators. <i>Ecological Entomology</i> , 2011, 36, 377-388.	2.2	45
125	Early herbivore alert matters: plant-mediated effects of egg deposition on higher trophic levels benefit plant fitness. <i>Ecology Letters</i> , 2015, 18, 927-936.	6.4	45
126	Fitness consequences of indirect plant defence in the annual weed, <i>Scirpus inapis arvensis</i> . <i>Functional Ecology</i> , 2015, 29, 1019-1025.	3.6	45

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127	Differential effects of jasmonic acid treatment of <i>Brassica nigra</i> on the attraction of pollinators, parasitoids, and butterflies. <i>Entomologia Experimentalis Et Applicata</i> , 2008, 128, 109-116.	1.4	44
128	Photoreceptor spectral sensitivity of the compound eyes of black soldier fly (<i>Hermetia illucens</i>) informing the design of LED-based illumination to enhance indoor reproduction. <i>Journal of Insect Physiology</i> , 2016, 95, 133-139.	2.0	44
129	Smallholder farmers' knowledge and willingness to pay for insect-based feeds in Kenya. <i>PLoS ONE</i> , 2020, 15, e0230552.	2.5	44
130	Chemoreception of oviposition inhibiting terpenoids in the diamondback moth <i>Plutella xylostella</i> . <i>Entomologia Experimentalis Et Applicata</i> , 1998, 87, 143-155.	1.4	43
131	Genetic engineering of plant volatile terpenoids: effects on a herbivore, a predator and a parasitoid. <i>Pest Management Science</i> , 2013, 69, 302-311.	3.4	43
132	Relation between HLA genes, human skin volatiles and attractiveness of humans to malaria mosquitoes. <i>Infection, Genetics and Evolution</i> , 2013, 18, 87-93.	2.3	41
133	The effect of direct and indirect defenses in two wild brassicaceous plant species on a specialist herbivore and its gregarious endoparasitoid. <i>Entomologia Experimentalis Et Applicata</i> , 2008, 128, 99-108.	1.4	40
134	Disruption of plant carotenoid biosynthesis through virus-induced gene silencing affects oviposition behaviour of the butterfly <i>Pieris rapae</i> . <i>New Phytologist</i> , 2010, 186, 733-745.	7.3	40
135	Field Evaluation of a Push-Pull System to Reduce Malaria Transmission. <i>PLoS ONE</i> , 2015, 10, e0123415.	2.5	40
136	Taste detection of the non-volatile isothiocyanate moringin results in deterrence to glucosinolate-adapted insect larvae. <i>Phytochemistry</i> , 2015, 118, 139-148.	2.9	40
137	Chemosensory basis of feeding and oviposition behaviour in herbivorous insects: a glance at the periphery. <i>Entomologia Experimentalis Et Applicata</i> , 1996, 80, 7-13.	1.4	39
138	Attraction of Three Mirid Predators to Tomato Infested by Both the Tomato Leaf Mining Moth <i>Tuta absoluta</i> and the Whitefly <i>Bemisia tabaci</i> . <i>Journal of Chemical Ecology</i> , 2018, 44, 29-39.	1.8	37
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140	Plant-mediated effects of butterfly egg deposition on subsequent caterpillar and pupal development, across different species of wild Brassicaceae. <i>Ecological Entomology</i> , 2015, 40, 444-450.	2.2	36
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147	INHERITANCE OF GUSTATORY SENSITIVITY IN F1 PROGENY OF CROSSES BETWEEN <i>YPONOMEUTA CAGNAGELLUS</i> AND <i>Y. MALINELLUS</i> (LEPIDOPTERA). <i>Entomologia Experimentalis Et Applicata</i> , 1980, 28, 199-203.	1.4	31
148	Caught between Parasitoids and Predators – Survival of a Specialist Herbivore on Leaves and Flowers of Mustard Plants. <i>Journal of Chemical Ecology</i> , 2014, 40, 621-631.	1.8	31
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158	Aflatoxin B1 Conversion by Black Soldier Fly (<i>Hermetia illucens</i>) Larval Enzyme Extracts. <i>Toxins</i> , 2019, 11, 532.	3.4	29
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161	Use of visual and olfactory cues of flowers of two brassicaceous species by insect pollinators. <i>Ecological Entomology</i> , 2020, 45, 45-55.	2.2	28
162	Plant feeding by <i>Nesidiocoris tenuis</i> : Quantifying its behavioral and mechanical components. <i>Biological Control</i> , 2021, 152, 104402.	3.0	28

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166	Insects Can Count: Sensory Basis of Host Discrimination in Parasitoid Wasps Revealed. <i>PLoS ONE</i> , 2015, 10, e0138045.	2.5	26
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168	ECOLOGY: Enhanced: Ecogenomics Benefits Community Ecology. <i>Science</i> , 2004, 305, 618-619.	12.6	25
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170	Effects of soil organisms on aboveground multitrophic interactions are consistent between plant genotypes mediating the interaction. <i>Entomologia Experimentalis Et Applicata</i> , 2011, 139, 197-206.	1.4	24
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175	Endure and call for help: strategies of black mustard plants to deal with a specialized caterpillar. <i>Functional Ecology</i> , 2017, 31, 325-333.	3.6	22
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178	Silencing Defense Pathways in <i>Arabidopsis</i> by Heterologous Gene Sequences from <i>Brassica oleracea</i> Enhances the Performance of a Specialist and a Generalist Herbivorous Insect. <i>Journal of Chemical Ecology</i> , 2011, 37, 818-829.	1.8	21
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182	Different bioassays for investigating orientation responses of the banana weevil, <i>Cosmopolites sordidus</i> , show additive effects of host plant volatiles and a synthetic male-produced aggregation pheromone. <i>Entomologia Experimentalis Et Applicata</i> , 2003, 106, 169-175.	1.4	20
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198	Title is missing!. <i>Journal of Chemical Ecology</i> , 1998, 24, 1433-1446.	1.8	18

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200	Antibiosis resistance against larval cabbage root fly, <i>Delia radicum</i> , in wild Brassica-species. <i>Euphytica</i> , 2016, 211, 139-155.	1.2	18
201	Antagonism between two root-associated beneficial <i>Pseudomonas</i> strains does not affect plant growth promotion and induced resistance against a leaf-chewing herbivore. <i>FEMS Microbiology Ecology</i> , 2017, 93, .	2.7	18
202	Towards a coordination of European activities to diagnose and manage insect diseases in production facilities. <i>Journal of Insects As Food and Feed</i> , 2018, 4, 157-166.	3.9	18
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205	Comparing induction at an early and late step in signal transduction mediating indirect defence in <i>Brassica oleracea</i> . <i>Journal of Experimental Botany</i> , 2009, 60, 2589-2599.	4.8	17
206	Understanding the Long-Lasting Attraction of Malaria Mosquitoes to Odor Baits. <i>PLoS ONE</i> , 2015, 10, e0121533.	2.5	17
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213	Increasing insight into induced plant defense mechanisms using elicitors and inhibitors. <i>Plant Signaling and Behavior</i> , 2010, 5, 271-274.	2.4	14
214	<i>Brevicoryne brassicae</i> aphids interfere with transcriptome responses of <i>Arabidopsis thaliana</i> to feeding by <i>Plutella xylostella</i> caterpillars in a density-dependent manner. <i>Oecologia</i> , 2017, 183, 107-120.	2.0	14
215	Black soldier fly larvae show a stronger preference for manure than for a mass-rearing diet. <i>Journal of Applied Entomology</i> , 2020, 144, 560-565.	1.8	14
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219	Evaluation of textile substrates for dispensing synthetic attractants for malaria mosquitoes. <i>Parasites and Vectors</i> , 2014, 7, 376.	2.5	12
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223	Upgrading ammonia-nitrogen from manure into body proteins in black soldier fly larvae. <i>Resources, Conservation and Recycling</i> , 2022, 182, 106343.	10.8	11
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225	Field trials with plant products to protect stored cowpea against insect damage. <i>International Journal of Pest Management</i> , 2004, 50, 1-9.	1.8	10
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228	The effect of plant development on thrips resistance in <i>Capsicum</i> . <i>Arthropod-Plant Interactions</i> , 2019, 13, 11-18.	1.1	9
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230	Effect of Sequential Induction by <i>Mamestra brassicae</i> L. and <i>Tetranychus urticae</i> Koch on Lima Bean Plant Indirect Defense. <i>Journal of Chemical Ecology</i> , 2014, 40, 977-985.	1.8	8
231	INHERITANCE OF ELECTROPHYSIOLOGICAL RESPONSES TO LEAF SAPS OF HOST AND NONHOST PLANTS IN TWO <i>Helicoverpa</i> SPECIES AND THEIR HYBRIDS. <i>Archives of Insect Biochemistry and Physiology</i> , 2014, 86, 19-32.	1.5	8
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233	Does drought stress modify the effects of plant growth promoting rhizobacteria on an aboveground chewing herbivore?. <i>Insect Science</i> , 2017, 24, 1034-1044.	3.0	7
234	Differential effects of the rhizobacterium <i>Pseudomonas simiae</i> on above and belowground chewing insect herbivores. <i>Journal of Applied Entomology</i> , 2021, 145, 250-260.	1.8	7

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236	Trans-generational desensitization and within-generational resensitization of a sucrose-best neuron in the polyphagous herbivore <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae). <i>Scientific Reports</i> , 2016, 6, 39358.	3.3	6
237	A flow-through respirometer for leaf chewing insects. <i>Entomologia Experimentalis Et Applicata</i> , 1988, 49, 265-276.	1.4	5
238	Feeding behavior and performance of <i>Nasonovia ribisnigri</i> on grafts, detached leaves, and leaf disks of resistant and susceptible lettuce. <i>Entomologia Experimentalis Et Applicata</i> , 2016, 159, 102-111.	1.4	5
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241	Fine mapping of a thrips resistance QTL in <i>Capsicum</i> and the role of diterpene glycosides in the underlying mechanism. <i>Theoretical and Applied Genetics</i> , 2021, 134, 1557-1573.	3.6	5
242	Rearing history affects behaviour and performance of two virulent <i>Nasonovia ribisnigri</i> populations on two lettuce cultivars. <i>Entomologia Experimentalis Et Applicata</i> , 2014, 151, 97-105.	1.4	4
243	Equivalence analysis to support environmental safety assessment: Using nontarget organism count data from field trials with cisgenically modified potato. <i>Ecology and Evolution</i> , 2019, 9, 2863-2882.	1.9	4
244	Leaf-chewing herbivores affect preference and performance of a specialist root herbivore. <i>Oecologia</i> , 2022, 199, 243-255.	2.0	4
245	The effect of a thrips resistance QTL in different <i>Capsicum</i> backgrounds. <i>Euphytica</i> , 2020, 216, 1.	1.2	3
246	Chemosensory basis of feeding and oviposition behaviour in herbivorous insects: a glance at the periphery. , 1996, , 7-13.		3
247	Specialist deterrent chemoreceptors enable <i>Pieris</i> caterpillars to discriminate between chemically different deterrents. , 1999, , 29-35.		3
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251	Plant quantity affects development and reproduction of a gregarious butterfly more than plant quality. <i>Entomologia Experimentalis Et Applicata</i> , 0, , .	1.4	2
252	Effects of extreme temperature events on the parasitism performance of <i>Diadegma semiclausum</i> , an endoparasitoid of <i>Plutella xylostella</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2022, 170, 656-665.	1.4	2

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253	Specialist root herbivore modulates plant transcriptome and downregulates defensive secondary metabolites in a brassicaceous plant. <i>New Phytologist</i> , 2022, 235, 2378-2392.	7.3	2
254	Habituation to a Deterrent Plant Alkaloid Develops Faster in the Specialist Herbivore <i>Helicoverpa assulta</i> Than in Its Generalist Congener <i>Helicoverpa armigera</i> and Coincides with Taste Neuron Desensitisation. <i>Insects</i> , 2022, 13, 21.	2.2	0