

# Marcel Dicke

## List of Publications by Year in descending order

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Version: 2024-02-01

506  
papers

40,076  
citations

1536

106  
h-index

4432

172  
g-index

523  
all docs

523  
docs citations

523  
times ranked

18480  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Terpene synthases in cucumber ( <i>Cucumis sativus</i> ) and their contribution to herbivore-induced volatile terpenoid emission. <i>New Phytologist</i> , 2022, 233, 862-877.  | 7.3  | 19        |
| 2  | Effects of low and high red to far-red light ratio on tomato plant morphology and performance of four arthropod herbivores. <i>Scientia Horticulturae</i> , 2022, 292, 110645.  | 3.6  | 9         |
| 3  | Insecticide-contaminated honeydew: risks for beneficial insects. <i>Biological Reviews</i> , 2022, 97, 664-678.   | 10.4 | 17        |
| 4  | Herbivore-induced plant volatiles, not natural enemies, mediate a positive indirect interaction between insect herbivores. <i>Oecologia</i> , 2022, 198, 443.   | 2.0  | 2         |
| 5  | Effects of NeemAzalA/S on different developmental stages of rose aphid, <i>Macrosiphum rosae</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2022, 170, 245-259.   | 1.4  | 1         |
| 6  | Do aphids in Dutch sweet pepper greenhouses carry heritable elements that protect them against biocontrol parasitoids?. <i>Evolutionary Applications</i> , 2022, 15, 1580-1593.   | 3.1  | 10        |
| 7  | Flowers prepare thyselfes: leaf and root herbivores induce specific changes in floral phytochemistry with consequences for plant interactions with florivores. <i>New Phytologist</i> , 2022, 233, 2548-2560.               | 7.3  | 6         |
| 8  | Local and systemic effect of azadirachtin on host choice and feeding activity of <i>Macrosiphum rosae</i> on rose plants. <i>Arthropod-Plant Interactions</i> , 2022, 16, 191-204.  | 1.1  | 3         |
| 9  | Leaf-chewing herbivores affect preference and performance of a specialist root herbivore. <i>Oecologia</i> , 2022, 199, 243-255.  | 2.0  | 4         |
| 10 | Insect frass and exuviae to promote plant growth and health. <i>Trends in Plant Science</i> , 2022, 27, 646-654.  | 8.8  | 47        |
| 11 | Bees can be trained to identify SARS-CoV-2 infected samples. <i>Biology Open</i> , 2022, 11, .  | 1.2  | 1         |
| 12 | Black Soldier Fly Larvae Influence Internal and Substrate Bacterial Community Composition Depending on Substrate Type and Larval Density. <i>Applied and Environmental Microbiology</i> , 2022, 88, e0008422.               | 3.1  | 10        |
| 13 | Plant metabolism and defence strategies in the flowering stage: Time-dependent responses of leaves and flowers under attack. <i>Plant, Cell and Environment</i> , 2022, 45, 2841-2855.                                      | 5.7  | 7         |
| 14 | 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         |
| 15 | 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         |
| 16 | Rapid systemic responses to herbivory. <i>Current Opinion in Plant Biology</i> , 2022, 68, 102242.  | 7.1  | 12        |
| 17 | Volatiles from the fungus <i>Fusarium oxysporum</i> affect interactions of <i>Brassica rapa</i> plants with root herbivores. <i>Ecological Entomology</i> , 2021, 46, 240-248.  | 2.2  | 4         |
| 18 | Volatiles from soil-borne fungi affect directional growth of roots. <i>Plant, Cell and Environment</i> , 2021, 44, 339-345.   | 5.7  | 16        |

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|----|---|-----|-----------|
| 19 | Use of black soldier fly and house fly in feed to promote sustainable poultry production. <i>Journal of Insects As Food and Feed</i> , 2021, 7, 761-780.  | 3.9 | 54        |
| 20 | 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         |
| 21 | LEDs Make It Resilient: Effects on Plant Growth and Defense. <i>Trends in Plant Science</i> , 2021, 26, 496-508.  | 8.8 | 58        |
| 22 | Bidirectional plant-mediated interactions between rhizobacteria and shoot-feeding herbivorous insects: a community ecology perspective. <i>Ecological Entomology</i> , 2021, 46, 1-10.  | 2.2 | 19        |
| 23 | Nutritional plasticity of the black soldier fly ( <i>Hermetia illucens</i> ) in response to artificial diets varying in protein and carbohydrate concentrations. <i>Journal of Insects As Food and Feed</i> , 2021, 7, 51-61. | 3.9 | 24        |
| 24 | Multiple Attack to Inflorescences of an Annual Plant Does Not Interfere with the Attraction of Parasitoids and Pollinators. <i>Journal of Chemical Ecology</i> , 2021, 47, 175-191.   | 1.8 | 4         |
| 25 | Parasitic wasps avoid ant-protected hemipteran hosts via the detection of ant cuticular hydrocarbons. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20201684.                                   | 2.6 | 9         |
| 26 | Insect species richness affects plant responses to multi-herbivore attack. <i>New Phytologist</i> , 2021, 231, 2333-2345.   | 7.3 | 14        |
| 27 | Relative contributions of egg-associated and substrate-associated microorganisms to black soldier fly larval performance and microbiota. <i>FEMS Microbiology Ecology</i> , 2021, 97, .                                       | 2.7 | 12        |
| 28 | Evolution of Induced Indirect Defense of Plants. , 2021, , 62-88.   |     | 9         |
| 29 | Towards circular agriculture – exploring insect waste streams as a crop and soil health promoter. <i>Journal of Insects As Food and Feed</i> , 2021, 7, 357-368.  | 3.9 | 10        |
| 30 | Cost-Effectiveness of Black Soldier Fly Larvae Meal as Substitute of Fishmeal in Diets for Layer Chicks and Growers. <i>Sustainability</i> , 2021, 13, 6074.  | 3.2 | 15        |
| 31 | <scp>SLI1</scp> confers broad-spectrum resistance to phloem-feeding insects. <i>Plant, Cell and Environment</i> , 2021, 44, 2765-2776.  | 5.7 | 13        |
| 32 | Black Soldier Fly-Composted Organic Fertilizer Enhances Growth, Yield, and Nutrient Quality of Three Key Vegetable Crops in Sub-Saharan Africa. <i>Frontiers in Plant Science</i> , 2021, 12, 680312.                         | 3.6 | 28        |
| 33 | Plant-phenotypic changes induced by parasitoid ichnoviruses enhance the performance of both unparasitized and parasitized caterpillars. <i>Molecular Ecology</i> , 2021, 30, 4567-4583.                                       | 3.9 | 7         |
| 34 | The enemy of my enemy is not always my friend: Negative effects of carnivorous arthropods on plants. <i>Functional Ecology</i> , 2021, 35, 2365-2375.   | 3.6 | 10        |
| 35 | Shoot and root insect herbivory change the plant rhizosphere microbiome and affects cabbage-insect interactions through plant-soil feedback. <i>New Phytologist</i> , 2021, 232, 2475-2490.                                   | 7.3 | 23        |
| 36 | Neonicotinoids from coated seeds toxic for honeydew-feeding biological control agents. <i>Environmental Pollution</i> , 2021, 289, 117813.  | 7.5 | 9         |

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|----|---|------|-----------|
| 37 | Factors influencing the occurrence of fall armyworm parasitoids in Zambia. <i>Journal of Pest Science</i> , 2021, 94, 1133-1146.  | 3.7  | 26        |
| 38 | Leading issues in implementation of farmer field schools: a global survey. <i>Journal of Agricultural Education and Extension</i> , 2021, 27, 341-353.  | 2.2  | 13        |
| 39 | Parasitism by endoparasitoid wasps alters the internal but not the external microbiome in host caterpillars. <i>Animal Microbiome</i> , 2021, 3, 73.  | 3.8  | 12        |
| 40 | A bittersweet meal: The impact of sugar solutions and honeydew on the fitness of two predatory gall midges. <i>Biological Control</i> , 2020, 140, 104098.  | 3.0  | 8         |
| 41 | Microbial Symbionts of Parasitoids. <i>Annual Review of Entomology</i> , 2020, 65, 171-190.   | 11.8 | 44        |
| 42 | 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        |
| 43 | International scientists formulate a roadmap for insect conservation and recovery. <i>Nature Ecology and Evolution</i> , 2020, 4, 174-176.  | 7.8  | 176       |
| 44 | Maternal effect determines drought resistance of eggs in the predatory mite <i>Phytoseiulus persimilis</i> . <i>Oecologia</i> , 2020, 192, 29-41.   | 2.0  | 6         |
| 45 | Foliar herbivory by caterpillars and aphids differentially affects phytohormonal signalling in roots and plant defence to a root herbivore. <i>Plant, Cell and Environment</i> , 2020, 43, 775-786. | 5.7  | 31        |
| 46 | IPM-recommended insecticides harm beneficial insects through contaminated honeydew. <i>Environmental Pollution</i> , 2020, 267, 115581.   | 7.5  | 14        |
| 47 | Fungal volatiles influence plant defence against above-ground and below-ground herbivory. <i>Functional Ecology</i> , 2020, 34, 2259-2269.  | 3.6  | 6         |
| 48 | Exploiting the chemical ecology of mosquito oviposition behavior in mosquito surveillance and control: a review. <i>Journal of Vector Ecology</i> , 2020, 45, 155-179.                              | 1.0  | 23        |
| 49 | Edible insects unlikely to contribute to transmission of coronavirus SARS-CoV-2. <i>Journal of Insects As Food and Feed</i> , 2020, 6, 333-339.   | 3.9  | 22        |
| 50 | Next-generation biological control: the need for integrating genetics and genomics. <i>Biological Reviews</i> , 2020, 95, 1838-1854.  | 10.4 | 67        |
| 51 | Use of semiochemicals for surveillance and control of hematophagous insects. <i>Chemoecology</i> , 2020, 30, 277-286.   | 1.1  | 21        |
| 52 | Genome-Wide Analysis Reveals Transcription Factors Regulated by Spider-Mite Feeding in Cucumber ( <i>Cucumis sativus</i> ). <i>Plants</i> , 2020, 9, 1014.  | 3.5  | 2         |
| 53 | Insects for peace. <i>Current Opinion in Insect Science</i> , 2020, 40, 85-93.  | 4.4  | 19        |
| 54 | 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        |

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|----|--|-----|-----------|
| 55 | Spatial scale, neighbouring plants and variation in plant volatiles interactively determine the strength of hostâ€“parasitoid relationships. <i>Oikos</i> , 2020, 129, 1429-1439.  | 2.7 | 8         |
| 56 | Impacts of farmer field schools in the human, social, natural and financial domain: a qualitative review. <i>Food Security</i> , 2020, 12, 1443-1459.  | 5.3 | 28        |
| 57 | Is the farmer field school still relevant? Case studies from Malawi and Indonesia. <i>Njas - Wageningen Journal of Life Sciences</i> , 2020, 92, 1-13.   | 7.7 | 17        |
| 58 | Smallholder farmersâ€™ knowledge and willingness to pay for insect-based feeds in Kenya. <i>PLoS ONE</i> , 2020, 15, e0230552.   | 2.5 | 44        |
| 59 | No evidence of modulation of indirect plant resistance of Brassica rapa plants by volatiles from soil-borne fungi. <i>Ecological Entomology</i> , 2020, 45, 1200-1211.   | 2.2 | 2         |
| 60 | Insights in the Global Genetics and Gut Microbiome of Black Soldier Fly, <i>Hermetia illucens</i> : Implications for Animal Feed Safety Control. <i>Frontiers in Microbiology</i> , 2020, 11, 1538.                        | 3.5 | 34        |
| 61 | Plant responses to butterfly oviposition partly explain preferenceâ€“performance relationships on different brassicaceous species. <i>Oecologia</i> , 2020, 192, 463-475.  | 2.0 | 23        |
| 62 | Variation in parasitoid attraction to herbivore-infested plants and alternative host plant cover mediate tritrophic interactions at the landscape scale. <i>Landscape Ecology</i> , 2020, 35, 907-919.                     | 4.2 | 6         |
| 63 | Transcriptional and metabolite analysis reveal a shift in direct and indirect defences in response to spider-mite infestation in cucumber ( <i>Cucumis sativus</i> ). <i>Plant Molecular Biology</i> , 2020, 103, 489-505. | 3.9 | 26        |
| 64 | Herbivore-Induced Plant Volatiles as a Source of Information in Plantâ€“Insect Networks. , 2020, , 327-346.  |     | 4         |
| 65 | Intraspecific variation in herbivore-induced plant volatiles influences the spatial range of plantâ€“parasitoid interactions. <i>Oikos</i> , 2019, 128, 77-86.   | 2.7 | 31        |
| 66 | Neonicotinoids in excretion product of phloem-feeding insects kill beneficial insects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16817-16822.                    | 7.1 | 99        |
| 67 | What makes a volatile organic compound a reliable indicator of insect herbivory?. <i>Plant, Cell and Environment</i> , 2019, 42, 3308-3325.  | 5.7 | 22        |
| 68 | 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        |
| 69 | Leaf metabolic signatures induced by real and simulated herbivory in black mustard ( <i>Brassica nigra</i> ). <i>Metabolomics</i> , 2019, 15, 130.   | 3.0 | 29        |
| 70 | 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        |
| 71 | Ecological significance of light quality in optimizing plant defence. <i>Plant, Cell and Environment</i> , 2019, 42, 1065-1077.  | 5.7 | 12        |
| 72 | Volatiles of pathogenic and non-pathogenic soil-borne fungi affect plant development and resistance to insects. <i>Oecologia</i> , 2019, 190, 589-604.   | 2.0 | 43        |

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|----|--|-----|-----------|
| 73 | Cross-seasonal legacy effects of arthropod community on plant fitness in perennial plants. <i>Journal of Ecology</i> , 2019, 107, 2451-2463.   | 4.0 | 10        |
| 74 | Ecology of Plastic Flowers. <i>Trends in Plant Science</i> , 2019, 24, 725-740.  | 8.8 | 38        |
| 75 | Defense of pyrethrum flowers: repelling herbivores and recruiting carnivores by producing aphid alarm pheromone. <i>New Phytologist</i> , 2019, 223, 1607-1620.  | 7.3 | 29        |
| 76 | Airborne host-plant manipulation by whiteflies via an inducible blend of plant volatiles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 7387-7396.   | 7.1 | 87        |
| 77 | 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        |
| 78 | Hyperparasitoids exploit herbivore-induced plant volatiles during host location to assess host quality and non-host identity. <i>Oecologia</i> , 2019, 189, 699-709.   | 2.0 | 19        |
| 79 | The effect of rearing history and aphid density on volatile-mediated foraging behaviour of <i>Diaeretiella rapae</i> . <i>Ecological Entomology</i> , 2019, 44, 255-264.   | 2.2 | 7         |
| 80 | An Integrated System for the Automated Recording and Analysis of Insect Behavior in T-maze Arrays. <i>Frontiers in Plant Science</i> , 2019, 10, 20.   | 3.6 | 3         |
| 81 | The plastidial metabolite 2-C-methyl-D-erythritol 2,4-cyclodiphosphate modulates defence responses against aphids. <i>Plant, Cell and Environment</i> , 2019, 42, 2309-2323.   | 5.7 | 15        |
| 82 | Context-Dependence and the Development of Push-Pull Approaches for Integrated Management of <i>Drosophila suzukii</i> . <i>Insects</i> , 2019, 10, 454.  | 2.2 | 22        |
| 83 | Proximate mechanisms of drought resistance in <i>Phytoseiulus persimilis</i> eggs. <i>Experimental and Applied Acarology</i> , 2019, 79, 279-298.  | 1.6 | 21        |
| 84 | Phenotypic variation in egg survival in the predatory mite <i>Phytoseiulus persimilis</i> under dry conditions. <i>Biological Control</i> , 2019, 130, 88-94.  | 3.0 | 10        |
| 85 | Involvement of sweet pepper <i>CaLOX2</i> in jasmonate-dependent induced defence against Western flower thrips. <i>Journal of Integrative Plant Biology</i> , 2019, 61, 1085-1098.   | 8.5 | 31        |
| 86 | Ecological interactions shape the adaptive value of plant defence: Herbivore attack versus competition for light. <i>Functional Ecology</i> , 2019, 33, 129-138.   | 3.6 | 28        |
| 87 | Genome-wide association mapping of the architecture of susceptibility to the root-knot nematode <i>Meloidogyne incognita</i> in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2018, 218, 724-737.   | 7.3 | 36        |
| 88 | Parasitic wasp-associated symbiont affects plant-mediated species interactions between herbivores. <i>Ecology Letters</i> , 2018, 21, 957-967.   | 6.4 | 34        |
| 89 | Female response to predation risk alters conspecific male behaviour during pre-copulatory mate guarding. <i>Ethology</i> , 2018, 124, 122-130.   | 1.1 | 3         |
| 90 | Effect of the eucalypt lerp psyllid <i>Glycaspis brimblecombei</i> on adult feeding, oviposition site selection, and offspring performance of the bronze bug, <i>Taumastocoris peregrinus</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2018, 166, 395-401. | 1.4 | 6         |

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|-----|--|-----|-----------|
| 91  | Caterpillars induce jasmonates in flowers and alter plant responses to a second attacker. <i>New Phytologist</i> , 2018, 217, 1279-1291.   | 7.3 | 25        |
| 92  | Oviposition preference of three lepidopteran species is not affected by previous aphid infestation in wild cabbage. <i>Entomologia Experimentalis Et Applicata</i> , 2018, 166, 402-411.   | 1.4 | 4         |
| 93  | 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        |
| 94  | Thrips advisor: exploiting thrips-induced defences to combat pests on crops. <i>Journal of Experimental Botany</i> , 2018, 69, 1837-1848.  | 4.8 | 66        |
| 95  | Covariation and phenotypic integration in chemical communication displays: biosynthetic constraints and eco-evolutionary implications. <i>New Phytologist</i> , 2018, 220, 739-749.  | 7.3 | 101       |
| 96  | Insects as feed and the Sustainable Development Goals. <i>Journal of Insects As Food and Feed</i> , 2018, 4, 147-156.  | 3.9 | 59        |
| 97  | Do apes smell like humans? The role of skin bacteria and volatiles of primates in mosquito host selection. <i>Journal of Experimental Biology</i> , 2018, 221, .   | 1.7 | 24        |
| 98  | 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        |
| 99  | Genome-wide identification, classification and expression of lipoxygenase gene family in pepper. <i>Plant Molecular Biology</i> , 2018, 98, 375-387.   | 3.9 | 32        |
| 100 | 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       |
| 101 | Performance of the Black Soldier Fly (Diptera: Stratiomyidae) on Vegetable Residue-Based Diets Formulated Based on Protein and Carbohydrate Contents. <i>Journal of Economic Entomology</i> , 2018, 111, 2676-2683.                          | 1.8 | 36        |
| 102 | Rearing and releasing the egg parasitoid <i>Cleruchoides noackae</i> , a biological control agent for the Eucalyptus bronze bug. <i>Biological Control</i> , 2018, 123, 97-104.  | 3.0 | 12        |
| 103 | Insects as sources of iron and zinc in human nutrition. <i>Nutrition Research Reviews</i> , 2018, 31, 248-255.   | 4.1 | 77        |
| 104 | Promises and challenges in insect-plant interactions. <i>Entomologia Experimentalis Et Applicata</i> , 2018, 166, 319-343.   | 1.4 | 66        |
| 105 | Order of herbivore arrival on wild cabbage populations influences subsequent arthropod community development. <i>Oikos</i> , 2018, 127, 1482-1493.   | 2.7 | 30        |
| 106 | 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        |
| 107 | Dual herbivore attack and herbivore density affect metabolic profiles of <i>Brassica nigra</i> leaves. <i>Plant, Cell and Environment</i> , 2017, 40, 1356-1367.   | 5.7 | 39        |
| 108 | Herbivore-induced plant volatiles and tritrophic interactions across spatial scales. <i>New Phytologist</i> , 2017, 216, 1054-1063.  | 7.3 | 147       |

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|-----|--|------|-----------|
| 109 | Plant-mediated species networks: the modulating role of herbivore density. <i>Ecological Entomology</i> , 2017, 42, 449-457.   | 2.2  | 20        |
| 110 | Does Aphid Infestation Interfere with Indirect Plant Defense against Lepidopteran Caterpillars in Wild Cabbage?. <i>Journal of Chemical Ecology</i> , 2017, 43, 493-505.   | 1.8  | 12        |
| 111 | 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         |
| 112 | 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        |
| 113 | Oviposition preference but not adult feeding preference matches with offspring performance in the bronze bug <i>Scaphinotus haemastocoris peregrinus</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2017, 163, 101-111.        | 1.4  | 16        |
| 114 | Natural variation in life history strategy of <i>Arabidopsis thaliana</i> determines stress responses to drought and insects of different feeding guilds. <i>Molecular Ecology</i> , 2017, 26, 2959-2977.                              | 3.9  | 23        |
| 115 | Combined biotic stresses trigger similar transcriptomic responses but contrasting resistance against a chewing herbivore in <i>Brassica nigra</i> . <i>BMC Plant Biology</i> , 2017, 17, 127.  | 3.6  | 61        |
| 116 | Response of a Predatory ant to Volatiles Emitted by Aphid- and Caterpillar-Infested Cucumber and Potato Plants. <i>Journal of Chemical Ecology</i> , 2017, 43, 1007-1022.  | 1.8  | 19        |
| 117 | SIEVE ELEMENT-LINING CHAPERONE1 Restricts Aphid Feeding on <i>Arabidopsis</i> during Heat Stress. <i>Plant Cell</i> , 2017, 29, 2450-2464.   | 6.6  | 38        |
| 118 | Terpenoid biosynthesis in <i>Arabidopsis</i> attacked by caterpillars and aphids: effects of aphid density on the attraction of a caterpillar parasitoid. <i>Oecologia</i> , 2017, 185, 699-712.                                       | 2.0  | 10        |
| 119 | Response of <i>Brassica oleracea</i> to temporal variation in attack by two herbivores affects preference and performance of a third herbivore. <i>Ecological Entomology</i> , 2017, 42, 803-815.                                      | 2.2  | 14        |
| 120 | When does it pay off to prime for defense? A modeling analysis. <i>New Phytologist</i> , 2017, 216, 782-797.   | 7.3  | 39        |
| 121 | Biodiversity analyses for risk assessment of genetically modified potato. <i>Agriculture, Ecosystems and Environment</i> , 2017, 249, 196-205.   | 5.3  | 13        |
| 122 | Development of a model forecasting <i>Dermanyssus gallinae</i> 's population dynamics for advancing Integrated Pest Management in laying hen facilities. <i>Veterinary Parasitology</i> , 2017, 245, 128-140.                          | 1.8  | 23        |
| 123 | Inoculation of susceptible and resistant potato plants with the late blight pathogen <i>Phytophthora infestans</i> : effects on an aphid and its parasitoid. <i>Entomologia Experimentalis Et Applicata</i> , 2017, 163, 305-314.      | 1.4  | 5         |
| 124 | Plant response to butterfly eggs: inducibility, severity and success of egg-killing leaf necrosis depends on plant genotype and egg clustering. <i>Scientific Reports</i> , 2017, 7, 7316.   | 3.3  | 30        |
| 125 | Symbionts protect aphids from parasitic wasps by attenuating herbivore-induced plant volatiles. <i>Nature Communications</i> , 2017, 8, 1860.  | 12.8 | 96        |
| 126 | The effect of co-infestation by conspecific and heterospecific aphids on the feeding behaviour of <i>Nasonovia ribisnigri</i> on resistant and susceptible lettuce cultivars. <i>Arthropod-Plant Interactions</i> , 2017, 11, 785-796. | 1.1  | 5         |



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|-----|---|-----|-----------|
| 127 | Brevicoryne brassicae aphids interfere with transcriptome responses of Arabidopsis thaliana to feeding by Plutella xylostella caterpillars in a density-dependent manner. <i>Oecologia</i> , 2017, 183, 107-120.                                    | 2.0 | 14        |
| 128 | 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        |
| 129 | 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        |
| 130 | Genetic architecture of plant stress resistance: multi-trait genome-wide association mapping. <i>New Phytologist</i> , 2017, 213, 1346-1362.  | 7.3 | 144       |
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