

Marcel Dicke

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498
papers

31,759
citations

96
h-index

157
g-index

523
ext. papers

35,929
ext. citations

4.9
avg, IF

7.5
L-index

#	Paper	IF	Citations
498	Ecology of Infochemical Use by Natural Enemies in a Tritrophic Context. <i>Annual Review of Entomology</i> , 1992 , 37, 141-172	21.8	1411
497	The evolutionary context for herbivore-induced plant volatiles: beyond the 'cry for help'. <i>Trends in Plant Science</i> , 2010 , 15, 167-75	13.1	769
496	Signal signature and transcriptome changes of Arabidopsis during pathogen and insect attack. <i>Molecular Plant-Microbe Interactions</i> , 2005 , 18, 923-37	3.6	751
495	Plant strategies of manipulating predator-prey interactions through allelochemicals: Prospects for application in pest control. <i>Journal of Chemical Ecology</i> , 1990 , 16, 3091-118	2.7	546
494	Isolation and identification of volatile kairomone that affects acarine predator-prey interactions. Involvement of host plant in its production. <i>Journal of Chemical Ecology</i> , 1990 , 16, 381-96	2.7	532
493	beta-Glucosidase: an elicitor of herbivore-induced plant odor that attracts host-searching parasitic wasps. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 2036-40	11.5	460
492	Genetic engineering of terpenoid metabolism attracts bodyguards to Arabidopsis. <i>Science</i> , 2005 , 309, 2070-2	33.3	417
491	Helping plants to deal with insects: the role of beneficial soil-borne microbes. <i>Trends in Plant Science</i> , 2010 , 15, 507-14	13.1	411
490	A conserved transcript pattern in response to a specialist and a generalist herbivore. <i>Plant Cell</i> , 2004 , 16, 3132-47	11.6	408
489	Plant-carnivore mutualism through herbivore-induced carnivore attractants. <i>Trends in Plant Science</i> , 1996 , 1, 109-113	13.1	391
488	How Plants Obtain Predatory Mites as Bodyguards. <i>Animal Biology</i> , 1987 , 38, 148-165		354
487	Plant interactions with microbes and insects: from molecular mechanisms to ecology. <i>Trends in Plant Science</i> , 2007 , 12, 564-9	13.1	345
486	Multitrophic effects of herbivore-induced plant volatiles in an evolutionary context. <i>Entomologia Experimentalis Et Applicata</i> , 2000 , 97, 237-249	2.1	337
485	Chemical complexity of volatiles from plants induced by multiple attack. <i>Nature Chemical Biology</i> , 2009 , 5, 317-24	11.7	314
484	Local and Systemic Production of Volatile Herbivore-induced Terpenoids: Their Role in Plant-carnivore Mutualism. <i>Journal of Plant Physiology</i> , 1994 , 143, 465-472	3.6	289
483	Plant interactions with multiple insect herbivores: from community to genes. <i>Annual Review of Plant Biology</i> , 2014 , 65, 689-713	30.7	286
482	Volatile herbivore-induced terpenoids in plant-mite interactions: Variation caused by biotic and abiotic factors. <i>Journal of Chemical Ecology</i> , 1994 , 20, 1329-54	2.7	282

481	Infochemical Terminology: Based on Cost-Benefit Analysis Rather than Origin of Compounds?. <i>Functional Ecology</i> , 1988 , 2, 131	5.6	263
480	Herbivore-induced volatile production by <i>Arabidopsis thaliana</i> leads to attraction of the parasitoid <i>Cotesia rubecula</i> : chemical, behavioral, and gene-expression analysis. <i>Journal of Chemical Ecology</i> , 2001 , 27, 1911-28	2.7	260
479	Developmental stage of herbivore <i>Pseudaletia separata</i> affects production of herbivore-induced synomone by corn plants. <i>Journal of Chemical Ecology</i> , 1995 , 21, 273-87	2.7	245
478	Behavioural and community ecology of plants that cry for help. <i>Plant, Cell and Environment</i> , 2009 , 32, 654-65	8.4	240
477	Nutritional value of the black soldier fly (<i>Hermetia illucens</i> L.) and its suitability as animal feed. A review. <i>Journal of Insects As Food and Feed</i> , 2017 , 3, 105-120	4.4	227
476	Jasmonic Acid and Herbivory Differentially Induce Carnivore-Attracting Plant Volatiles in Lima Bean Plants. <i>Journal of Chemical Ecology</i> , 1999 , 25, 1907-1922	2.7	227
475	Are herbivore-induced plant volatiles reliable indicators of herbivore identity to foraging carnivorous arthropods?. <i>Entomologia Experimentalis Et Applicata</i> , 1999 , 91, 131-142	2.1	223
474	Variation in natural plant products and the attraction of bodyguards involved in indirect plant defense. The present review is one in the special series of reviews on animal-plant interactions.. <i>Canadian Journal of Zoology</i> , 2010 , 88, 628-667	1.5	222
473	Inducible indirect defence of plants: from mechanisms to ecological functions. <i>Basic and Applied Ecology</i> , 2003 , 4, 27-42	3.2	217
472	Pheromone-mediated aggregation in nonsocial arthropods: an evolutionary ecological perspective. <i>Annual Review of Entomology</i> , 2005 , 50, 321-46	21.8	214
471	Whiteflies interfere with indirect plant defense against spider mites in Lima bean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 21202-7	11.5	205
470	Foraging behavior of egg parasitoids exploiting chemical information. <i>Behavioral Ecology</i> , 2008 , 19, 677-689	6.89	202
469	Variation in composition of predator-attracting allelochemicals emitted by herbivore-infested plants: Relative influence of plant and herbivore. <i>Chemoecology</i> , 1991 , 2, 1-6	2	201
468	Induction of parasitoid attracting synomone in brussels sprouts plants by feeding of <i>Pieris brassicae</i> larvae: Role of mechanical damage and herbivore elicitor. <i>Journal of Chemical Ecology</i> , 1994 , 20, 2229-47	2.7	200
467	Direct and indirect effects of resource quality on food web structure. <i>Science</i> , 2008 , 319, 804-7	33.3	196
466	Early season herbivore differentially affects plant defence responses to subsequently colonizing herbivores and their abundance in the field. <i>Molecular Ecology</i> , 2008 , 17, 3352-65	5.7	189
465	Chemical Detection of Natural Enemies by Arthropods: An Ecological Perspective. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2001 , 32, 1-23		189
464	Insect symbionts as hidden players in insect-plant interactions. <i>Trends in Ecology and Evolution</i> , 2012 , 27, 705-11	10.9	188

463	Metabolic and transcriptomic changes induced in Arabidopsis by the rhizobacterium <i>Pseudomonas fluorescens</i> SS101. <i>Plant Physiology</i> , 2012 , 160, 2173-88	6.6	186
462	Qualitative and quantitative variation among volatile profiles induced by <i>Tetranychus urticae</i> feeding on plants from various families. <i>Journal of Chemical Ecology</i> , 2004 , 30, 69-89	2.7	182
461	Herbivore-induced resistance against microbial pathogens in Arabidopsis. <i>Plant Physiology</i> , 2006 , 142, 352-63	6.6	171
460	Induced plant defences: from molecular biology to evolutionary ecology. <i>Basic and Applied Ecology</i> , 2003 , 4, 3-14	3.2	171
459	Chemical ecology of host-plant selection by herbivorous arthropods: a multitrophic perspective. <i>Biochemical Systematics and Ecology</i> , 2000 , 28, 601-617	1.4	170
458	Attraction of Colorado Potato Beetle to Herbivore-Damaged Plants During Herbivory and After Its Termination. <i>Journal of Chemical Ecology</i> , 1997 , 23, 1003-1023	2.7	168
457	Genetic variation in defense chemistry in wild cabbages affects herbivores and their endoparasitoids. <i>Ecology</i> , 2008 , 89, 1616-26	4.6	168
456	Differential effectiveness of microbially induced resistance against herbivorous insects in Arabidopsis. <i>Molecular Plant-Microbe Interactions</i> , 2008 , 21, 919-30	3.6	166
455	Identification of volatiles that are used in discrimination between plants infested with prey or nonprey herbivores by a predatory mite. <i>Journal of Chemical Ecology</i> , 2004 , 30, 2215-30	2.7	166
454	Jasmonate-deficient plants have reduced direct and indirect defences against herbivores. <i>Ecology Letters</i> , 2002 , 5, 764-774	10	158
453	Composition of human skin microbiota affects attractiveness to malaria mosquitoes. <i>PLoS ONE</i> , 2011 , 6, e28991	3.7	157
452	The role of methyl salicylate in prey searching behavior of the predatory mite <i>phytoseiulus persimilis</i> . <i>Journal of Chemical Ecology</i> , 2004 , 30, 255-71	2.7	153
451	Parasitoid-plant mutualism: parasitoid attack of herbivore increases plant reproduction. <i>Entomologia Experimentalis Et Applicata</i> , 2000 , 97, 219-227	2.1	153
450	Comparative Analysis of Headspace Volatiles from Different Caterpillar-Infested or Uninfested Food Plants of <i>Pieris</i> Species. <i>Journal of Chemical Ecology</i> , 1997 , 23, 2935-2954	2.7	149
449	Relative importance of infochemicals from first and second trophic level in long-range host location by the larval parasitoid <i>Cotesia glomerata</i> . <i>Journal of Chemical Ecology</i> , 1993 , 19, 47-59	2.7	148
448	Performance of generalist and specialist herbivores and their endoparasitoids differs on cultivated and wild Brassica populations. <i>Journal of Chemical Ecology</i> , 2008 , 34, 132-43	2.7	144
447	Virulence factors of geminivirus interact with MYC2 to subvert plant resistance and promote vector performance. <i>Plant Cell</i> , 2014 , 26, 4991-5008	11.6	143
446	Insect-resistant transgenic plants in a multi-trophic context. <i>Plant Journal</i> , 2002 , 31, 387-406	6.9	143

445	Plants are better protected against spider-mites after exposure to volatiles from infested conspecifics. <i>Experientia</i> , 1992 , 48, 525-529		138
444	Beneficial microbes in a changing environment: are they always helping plants to deal with insects?. <i>Functional Ecology</i> , 2013 , 27, 574-586	5.6	137
443	Safety evaluation of neem (<i>Azadirachta indica</i>) derived pesticides. <i>Journal of Ethnopharmacology</i> , 2004 , 94, 25-41	5	137
442	Cytokinins as key regulators in plant-microbe-insect interactions: connecting plant growth and defence. <i>Functional Ecology</i> , 2013 , 27, 599-609	5.6	135
441	Consequences of variation in plant defense for biodiversity at higher trophic levels. <i>Trends in Plant Science</i> , 2008 , 13, 534-41	13.1	133
440	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, 2575-87	7	132
439	Chemical information transfer between plants: <i>Biochemical Systematics and Ecology</i> , 2001 , 29, 981-994	1.4	132
438	Leaf age affects composition of herbivore-induced synomones and attraction of predatory mites. <i>Journal of Chemical Ecology</i> , 1994 , 20, 373-86	2.7	132
437	Plant volatiles and the environment. <i>Plant, Cell and Environment</i> , 2014 , 37, 1905-8	8.4	129
436	Hyperparasitoids use herbivore-induced plant volatiles to locate their parasitoid host. <i>PLoS Biology</i> , 2012 , 10, e1001435	9.7	127
435	Plants talk, but are they deaf?. <i>Trends in Plant Science</i> , 2003 , 8, 403-5	13.1	127
434	How To Hunt for Hiding Hosts: the Reliability-Detectability Problem in Foraging Parasitoids. <i>Animal Biology</i> , 1990 , 41, 202-213		126
433	Combined transcript and metabolite analysis reveals genes involved in spider mite induced volatile formation in cucumber plants. <i>Plant Physiology</i> , 2004 , 135, 2012-24	6.6	125
432	Indirect defence of plants against herbivores: using <i>Arabidopsis thaliana</i> as a model plant. <i>Plant Biology</i> , 2004 , 6, 387-401	3.7	124
431	Plant-Phytoseiid Interactions Mediated by Herbivore-Induced Plant Volatiles: Variation in Production of Cues and in Responses of Predatory Mites. <i>Experimental and Applied Acarology</i> , 1998 , 22, 311-333	2.1	123
430	The effects of herbivore-induced plant volatiles on interactions between plants and flower-visiting insects. <i>Phytochemistry</i> , 2011 , 72, 1647-54	4	121
429	Location of resistance factors in the leaves of potato and wild tuber-bearing <i>Solanum</i> species to the aphid <i>Myzus persicae</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2006 , 121, 145-157	2.1	120
428	Plant volatiles induced by herbivore egg deposition affect insects of different trophic levels. <i>PLoS ONE</i> , 2012 , 7, e43607	3.7	118

427	Plant-mediated facilitation between a leaf-feeding and a phloem-feeding insect in a brassicaceous plant: from insect performance to gene transcription. <i>Functional Ecology</i> , 2012 , 26, 156-166	5.6	118
426	Using fractal dimensions for characterizing tortuosity of animal trails. <i>Physiological Entomology</i> , 1988 , 13, 393-398	1.9	118
425	Rewiring of the Jasmonate Signaling Pathway in Arabidopsis during Insect Herbivory. <i>Frontiers in Plant Science</i> , 2011 , 2, 47	6.2	117
424	Isoprene interferes with the attraction of bodyguards by herbaceous plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 17430-5	11.5	117
423	Herbivory induces systemic production of plant volatiles that attract predators of the herbivore: Extraction of endogenous elicitor. <i>Journal of Chemical Ecology</i> , 1993 , 19, 581-99	2.7	117
422	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, 1831-44	2.7	114
421	Transcriptome dynamics of Arabidopsis during sequential biotic and abiotic stresses. <i>Plant Journal</i> , 2016 , 86, 249-67	6.9	112
420	Response of predatory mites with different rearing histories to volatiles of uninfested plants. <i>Entomologia Experimentalis Et Applicata</i> , 1992 , 64, 187-193	2.1	111
419	Induced parasitoid attraction by Arabidopsis thaliana: involvement of the octadecanoid and the salicylic acid pathway. <i>Journal of Experimental Botany</i> , 2002 , 53, 1793-9	7	110
418	Direct and indirect cues of predation risk influence behavior and reproduction of prey: a case for acarine interactions. <i>Behavioral Ecology</i> , 1999 , 10, 422-427	2.3	107
417	Natural variation in learning rate and memory dynamics in parasitoid wasps: opportunities for converging ecology and neuroscience. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011 , 278, 889-97	4.4	106
416	Induction of direct and indirect plant responses by jasmonic acid, low spider mite densities, or a combination of jasmonic acid treatment and spider mite infestation. <i>Journal of Chemical Ecology</i> , 2003 , 29, 2651-66	2.7	105
415	Innate responses of the parasitoids <i>Cotesia glomerata</i> and <i>C. rubecula</i> (Hymenoptera: Braconidae) to volatiles from different plant-herbivore complexes. <i>Journal of Insect Behavior</i> , 1996 , 9, 525-538	1.1	105
414	Chemical diversity in <i>Brassica oleracea</i> affects biodiversity of insect herbivores. <i>Ecology</i> , 2009 , 90, 1863-76	7.7	103
413	Significance of terpenoids in induced indirect plant defence against herbivorous arthropods. <i>Plant, Cell and Environment</i> , 2008 , 31, 575-85	8.4	103
412	Allee effect in larval resource exploitation in <i>Drosophila</i> : an interaction among density of adults, larvae, and micro-organisms. <i>Ecological Entomology</i> , 2002 , 27, 608-617	2.1	103
411	Spider mite-induced (3S)-(E)-nerolidol synthase activity in cucumber and lima bean. The first dedicated step in acyclic C11-homoterpene biosynthesis. <i>Plant Physiology</i> , 1999 , 121, 173-80	6.6	103
410	Host microhabitat location by stem-borer parasitoid <i>Cotesia flavipes</i> : the role of herbivore volatiles and locally and systemically induced plant volatiles. <i>Journal of Chemical Ecology</i> , 1995 , 21, 525-39	2.7	102

409	Do plants tap SOS signals from their infested neighbours?. <i>Trends in Ecology and Evolution</i> , 1995 , 10, 167-70	10.9	100
408	Genetic architecture of plant stress resistance: multi-trait genome-wide association mapping. <i>New Phytologist</i> , 2017 , 213, 1346-1362	9.8	99
407	Learning to discriminate between infochemicals from different plant-host complexes by the parasitoids <i>Cotesia glomerata</i> and <i>C. rubecula</i> . <i>Entomologia Experimentalis Et Applicata</i> , 1998 , 86, 241-252 ¹	2.1	98
406	Trichomes and spider-mite webbing protect predatory mite eggs from intraguild predation. <i>Oecologia</i> , 2000 , 125, 428-435	2.9	98
405	Response of the braconid parasitoid <i>Cotesia</i> (=Apanteles) <i>glomerata</i> to volatile infochemicals: effects of bioassay set-up, parasitoid age and experience and barometric flux. <i>Entomologia Experimentalis Et Applicata</i> , 1992 , 63, 163-175	2.1	98
404	International scientists formulate a roadmap for insect conservation and recovery. <i>Nature Ecology and Evolution</i> , 2020 , 4, 174-176	12.3	98
403	Oviposition-induced plant cues: do they arrest <i>Trichogramma</i> wasps during host location?. <i>Entomologia Experimentalis Et Applicata</i> , 2005 , 115, 207-215	2.1	97
402	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, 10033-8	11.5	96
401	Birds exploit herbivore-induced plant volatiles to locate herbivorous prey. <i>Ecology Letters</i> , 2013 , 16, 1348-55	4.5	94
400	Volatile spider-mite pheromone and host-plant kairomone, involved in spaced-out gregariousness in the spider mite <i>Tetranychus urticae</i> . <i>Physiological Entomology</i> , 1986 , 11, 251-262	1.9	93
399	Consequences of constitutive and induced variation in plant nutritional quality for immune defence of a herbivore against parasitism. <i>Oecologia</i> , 2009 , 160, 299-308	2.9	90
398	Plant pathogens structure arthropod communities across multiple spatial and temporal scales. <i>Functional Ecology</i> , 2013 , 27, 633-645	5.6	89
397	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, 2203-17	7	88
396	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	8.4	88
395	Volatile infochemicals used in host and host habitat location by <i>Cotesia flavipes</i> Cameron and <i>Cotesia sesamiae</i> (Cameron) (Hymenoptera: Braconidae), larval parasitoids of stemborers on gramineae. <i>Journal of Chemical Ecology</i> , 1996 , 22, 307-23	2.7	88
394	Herbivore-induced plant volatiles and tritrophic interactions across spatial scales. <i>New Phytologist</i> , 2017 , 216, 1054-1063	9.8	87
393	Two-way plant mediated interactions between root-associated microbes and insects: from ecology to mechanisms. <i>Frontiers in Plant Science</i> , 2013 , 4, 414	6.2	87
392	Ecological and phytohormonal aspects of plant volatile emission in response to single and dual infestations with herbivores and phytopathogens. <i>Functional Ecology</i> , 2013 , 27, 587-598	5.6	86

391	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	9.8	85
390	Volatiles from damaged plants as major cues in long-range host-searching by the specialist parasitoid <i>Cotesia rubecula</i> . <i>Entomologia Experimentalis Et Applicata</i> , 1994 , 73, 289-297	2.1	84
389	Infection of potato plants with potato leafroll virus changes attraction and feeding behaviour of <i>Myzus persicae</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2007 , 125, 135-144	2.1	82
388	Prey and non-prey arthropods sharing a host plant: effects on induced volatile emission and predator attraction. <i>Journal of Chemical Ecology</i> , 2008 , 34, 281-90	2.7	82
387	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	2.5	82
386	Ecology of plant volatiles: taking a plant community perspective. <i>Plant, Cell and Environment</i> , 2014 , 37, 1845-53	8.4	80
385	Root herbivore effects on aboveground multitrophic interactions: patterns, processes and mechanisms. <i>Journal of Chemical Ecology</i> , 2012 , 38, 755-67	2.7	80
384	Chemical communication: butterfly anti-aphrodisiac lures parasitic wasps. <i>Nature</i> , 2005 , 433, 704	50.4	80
383	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	2.1	79
382	Foraging behaviour by parasitoids in multiherbivore communities. <i>Animal Behaviour</i> , 2013 , 85, 1517-1528	2.8	78
381	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	5.6	78
380	Insects to feed the world. <i>Journal of Insects As Food and Feed</i> , 2015 , 1, 3-5	4.4	77
379	Exposure of lima bean leaves to volatiles from herbivore-induced conspecific plants results in emission of carnivore attractants: active or passive process?. <i>Journal of Chemical Ecology</i> , 2004 , 30, 1305-17	2.7	77
378	Herbivore-induced plant volatiles mediate in-flight host discrimination by parasitoids. <i>Journal of Chemical Ecology</i> , 2005 , 31, 2033-47	2.7	77
377	Formation of simple nitriles upon glucosinolate hydrolysis affects direct and indirect defense against the specialist herbivore, <i>Pieris rapae</i> . <i>Journal of Chemical Ecology</i> , 2008 , 34, 1311-21	2.7	76
376	Long-Distance Assessment of Patch Profitability through Volatile Infochemicals by the Parasitoids <i>Cotesia glomerata</i> and <i>C. rubecula</i> (Hymenoptera: Braconidae). <i>Biological Control</i> , 1998 , 11, 113-121	3.8	76
375	Influence of larval density and dietary nutrient concentration on performance, body protein, and fat contents of black soldier fly larvae (<i>L. delausi</i>). <i>Entomologia Experimentalis Et Applicata</i> , 2018 , 166, 761-770	2.1	76
374	Parasitoid-specific induction of plant responses to parasitized herbivores affects colonization by subsequent herbivores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 19647-52	11.5	75

373	The parasitoid <i>Cotesia glomerata</i> (Hymenoptera: Braconidae) discriminates between first and fifth larval instars of its host <i>Pieris brassicae</i> , on the basis of contact cues from frass, silk, and herbivore-damaged leaf tissue. <i>Journal of Insect Behavior</i> , 1995 , 8, 485-498	1.1	75
372	Phytohormone mediation of interactions between herbivores and plant pathogens. <i>Journal of Chemical Ecology</i> , 2014 , 40, 730-41	2.7	74
371	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	2.7	73
370	Rhizobacteria modify plant-aphid interactions: a case of induced systemic susceptibility. <i>Plant Biology</i> , 2012 , 14 Suppl 1, 83-90	3.7	73
369	Smelling the wood from the trees: non-linear parasitoid responses to volatile attractants produced by wild and cultivated cabbage. <i>Journal of Chemical Ecology</i> , 2011 , 37, 795-807	2.7	73
368	Exploiting natural variation to identify insect-resistance genes. <i>Plant Biotechnology Journal</i> , 2011 , 9, 819-25	11.6	71
367	Transgenic plants as vital components of integrated pest management. <i>Trends in Biotechnology</i> , 2009 , 27, 621-7	15.1	71
366	Ecological genomics of plant-insect interactions: from gene to community. <i>Plant Physiology</i> , 2008 , 146, 812-7	6.6	71
365	Mixed blends of herbivore-induced plant volatiles and foraging success of carnivorous arthropods. <i>Oikos</i> , 2003 , 101, 38-48	4	71
364	The herbivore-induced plant volatile methyl salicylate negatively affects attraction of the parasitoid <i>Diadegma semiclausum</i> . <i>Journal of Chemical Ecology</i> , 2010 , 36, 479-89	2.7	69
363	Natural variation in herbivore-induced volatiles in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2010 , 61, 3041-56	7	66
362	Jasmonic acid-induced changes in <i>Brassica oleracea</i> affect oviposition preference of two specialist herbivores. <i>Journal of Chemical Ecology</i> , 2007 , 33, 655-68	2.7	66
361	Within-plant circulation of systemic elicitor of induced defence and release from roots of elicitor that affects neighbouring plants. <i>Biochemical Systematics and Ecology</i> , 2001 , 29, 1075-1087	1.4	66
360	Are population differences in plant quality reflected in the preference and performance of two endoparasitoid wasps?. <i>Oikos</i> , 2009 , 118, 733-742	4	65
359	Differences among plant species in acceptance by the spider mite <i>Tetranychus urticae</i> Koch. <i>Journal of Applied Entomology</i> , 2003 , 127, 177-183	1.7	64
358	Herbivore-mediated effects of glucosinolates on different natural enemies of a specialist aphid. <i>Journal of Chemical Ecology</i> , 2012 , 38, 100-15	2.7	63
357	Variation in herbivory-induced volatiles among cucumber (<i>Cucumis sativus</i> L.) varieties has consequences for the attraction of carnivorous natural enemies. <i>Journal of Chemical Ecology</i> , 2011 , 37, 150-60	2.7	63
356	Chemical ecology of interactions between human skin microbiota and mosquitoes. <i>FEMS Microbiology Ecology</i> , 2010 , 74, 1-9	4.3	63

355	Leaf pubescence and two-spotted spider mite webbing influence phytoseiid behavior and population density. <i>Oecologia</i> , 2001 , 129, 551-560	2.9	63
354	Sensitivity and speed of induced defense of cabbage (<i>Brassica oleracea</i> L.): dynamics of BoLOX expression patterns during insect and pathogen attack. <i>Molecular Plant-Microbe Interactions</i> , 2007 , 20, 1332-45	3.6	62
353	Analysis of prey preference in phytoseiid mites by using an olfactometer, predation models and electrophoresis. <i>Experimental and Applied Acarology</i> , 1988 , 5, 225-241	2.1	62
352	AtWRKY22 promotes susceptibility to aphids and modulates salicylic acid and jasmonic acid signalling. <i>Journal of Experimental Botany</i> , 2016 , 67, 3383-96	7	62
351	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, 3289-98	7	61
350	Coexistence and niche segregation by field populations of the parasitoids <i>Cotesia glomerata</i> and <i>C. rubecula</i> in the Netherlands: predicting field performance from laboratory data. <i>Oecologia</i> , 2000 , 124, 55-63	2.9	61
349	Role of volatile inforchemicals emitted by feces of larvae in host-searching behavior of parasitoid <i>Cotesia rubecula</i> (Hymenoptera: Braconidae): A behavioral and chemical study. <i>Journal of Chemical Ecology</i> , 1995 , 21, 1789-811	2.7	61
348	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, 1169-80	2.9	60
347	Insect herbivore-associated organisms affect plant responses to herbivory. <i>New Phytologist</i> , 2014 , 204, 315-321	9.8	60
346	Caterpillar-induced plant volatiles remain a reliable signal for foraging wasps during dual attack with a plant pathogen or non-host insect herbivore. <i>Plant, Cell and Environment</i> , 2014 , 37, 1924-35	8.4	60
345	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	11.5	59
344	Canopy light cues affect emission of constitutive and methyl jasmonate-induced volatile organic compounds in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2013 , 200, 861-874	9.8	59
343	Redefining plant systems biology: from cell to ecosystem. <i>Trends in Plant Science</i> , 2011 , 16, 183-90	13.1	59
342	Drought stress affects plant metabolites and herbivore preference but not host location by its parasitoids. <i>Oecologia</i> , 2015 , 177, 701-713	2.9	58
341	Symbionts protect aphids from parasitic wasps by attenuating herbivore-induced plant volatiles. <i>Nature Communications</i> , 2017 , 8, 1860	17.4	58
340	Responses of <i>Brassica oleracea</i> cultivars to infestation by the aphid <i>Brevicoryne brassicae</i> : an ecological and molecular approach. <i>Plant, Cell and Environment</i> , 2008 , 31, 1592-605	8.4	58
339	Impact of botanical pesticides derived from <i>Melia azedarach</i> and <i>Azadirachta indica</i> on the biology of two parasitoid species of the diamondback moth. <i>Biological Control</i> , 2005 , 33, 131-142	3.8	58
338	Genotypic variation in genome-wide transcription profiles induced by insect feeding: <i>Brassica oleracea</i> -- <i>Pieris rapae</i> interactions. <i>BMC Genomics</i> , 2007 , 8, 239	4.5	57

337	The Arabidopsis thaliana Transcription Factor AtMYB102 Functions in Defense Against the Insect Herbivore Pieris rapae. <i>Plant Signaling and Behavior</i> , 2006 , 1, 305-11	2.5	57
336	Jasmonic acid induces the production of gerbera volatiles that attract the biological control agent Phytoseiulus persimilis. <i>Entomologia Experimentalis Et Applicata</i> , 1999 , 93, 77-86	2.1	57
335	Predatory mites learn to discriminate between plant volatiles induced by prey and nonprey herbivores. <i>Animal Behaviour</i> , 2005 , 69, 869-879	2.8	56
334	Prey preference of the phytoseiid mite Typhlodromus pyri 1. Response to volatile kairomones. <i>Experimental and Applied Acarology</i> , 1988 , 4, 1-13	2.1	56
333	Phenotypic plasticity of plant response to herbivore eggs: effects on resistance to caterpillars and plant development. <i>Ecology</i> , 2013 , 94, 702-13	4.6	54
332	Offering offspring as food to cannibals: oviposition strategies of Amazonian poison frogs (Dendrobates ventrimaculatus). <i>Evolutionary Ecology</i> , 2007 , 21, 215-227	1.8	54
331	Larval parasitoid uses aggregation pheromone of adult hosts in foraging behaviour: a solution to the reliability-detectability problem. <i>Oecologia</i> , 1993 , 93, 145-148	2.9	53
330	Threshold temperatures and thermal requirements of black soldier fly Hermetia illucens: Implications for mass production. <i>PLoS ONE</i> , 2018 , 13, e0206097	3.7	53
329	Reproductive escape: annual plant responds to butterfly eggs by accelerating seed production. <i>Functional Ecology</i> , 2013 , 27, 245-254	5.6	51
328	Association mapping of plant resistance to insects. <i>Trends in Plant Science</i> , 2012 , 17, 311-9	13.1	51
327	Nitrogen Availability and Defense of Tomato Against Two-spotted Spider Mite. <i>Journal of Chemical Ecology</i> , 2000 , 26, 2697-2711	2.7	51
326	Covariation and phenotypic integration in chemical communication displays: biosynthetic constraints and eco-evolutionary implications. <i>New Phytologist</i> , 2018 , 220, 739-749	9.8	50
325	Bidirectional secretions from glandular trichomes of pyrethrum enable immunization of seedlings. <i>Plant Cell</i> , 2012 , 24, 4252-65	11.6	50
324	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	11.5	49
323	Temporal changes affect plant chemistry and tritrophic interactions. <i>Basic and Applied Ecology</i> , 2007 , 8, 421-433	3.2	49
322	Behavioural plasticity in support of a benefit for aggregation pheromone use in Drosophila melanogaster. <i>Entomologia Experimentalis Et Applicata</i> , 2002 , 103, 61-71	2.1	49
321	Attraction of the specialist parasitoid Cotesia rubecula to Arabidopsis thaliana infested by host or non-host herbivore species. <i>Entomologia Experimentalis Et Applicata</i> , 2003 , 107, 229-236	2.1	49
320	Plant Effects on Parasitoid Foraging: Differences between Two Tritrophic Systems. <i>Biological Control</i> , 1998 , 11, 97-103	3.8	49

319	Effects of aggregation pheromone on individual behaviour and food web interactions: a field study on <i>Drosophila</i> . <i>Ecological Entomology</i> , 2006 , 31, 216-226	2.1	48
318	Comparison of cultivars of ornamental crop <i>Gerbera jamesonii</i> on production of spider mite-induced volatiles, and their attractiveness to the predator <i>Phytoseiulus persimilis</i> . <i>Journal of Chemical Ecology</i> , 2001 , 27, 1355-72	2.7	48
317	Insects for sustainable animal feed: inclusive business models involving smallholder farmers. <i>Current Opinion in Environmental Sustainability</i> , 2019 , 41, 23-30	7.2	47
316	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, 820-5	11.5	46
315	Induction of indirect defence against spider-mites in uninfested lima bean leaves. <i>Phytochemistry</i> , 1991 , 30, 1459-1462	4	46
314	Visual and odour cues: plant responses to pollination and herbivory affect the behaviour of flower visitors. <i>Functional Ecology</i> , 2016 , 30, 431-441	5.6	46
313	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	4.9	45
312	Effects of glucosinolates on a generalist and specialist leaf-chewing herbivore and an associated parasitoid. <i>Phytochemistry</i> , 2012 , 77, 162-70	4	45
311	Inhibition of lipoxygenase affects induction of both direct and indirect plant defences against herbivorous insects. <i>Oecologia</i> , 2010 , 162, 393-404	2.9	45
310	Intrinsic rate of population increase of the spider mite <i>Tetranychus urticae</i> on the ornamental crop gerbera: intraspecific variation in host plant and herbivore. <i>Entomologia Experimentalis Et Applicata</i> , 1998 , 89, 159-168	2.1	45
309	Volatile-mediated foraging behaviour of three parasitoid species under conditions of dual insect herbivore attack. <i>Animal Behaviour</i> , 2016 , 111, 197-206	2.8	44
308	Folivory affects composition of nectar, floral odor and modifies pollinator behavior. <i>Journal of Chemical Ecology</i> , 2014 , 40, 39-49	2.7	44
307	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	9.8	44
306	Plant phenotypic plasticity in the phytobiome: a volatile issue. <i>Current Opinion in Plant Biology</i> , 2016 , 32, 17-23	9.9	43
305	Chemical stimuli in host-habitat location by <i>Leptopilina heterotoma</i> (Thomson) (Hymenoptera: Eucoilidae), a parasite of <i>Drosophila</i> . <i>Journal of Chemical Ecology</i> , 1984 , 10, 695-712	2.7	43
304	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	5.3	42
303	Insects as sources of iron and zinc in human nutrition. <i>Nutrition Research Reviews</i> , 2018 , 31, 248-255	7	42
302	Promises and challenges in insect-plant interactions. <i>Entomologia Experimentalis Et Applicata</i> , 2018 , 166, 319-343	2.1	42

301	Plants under multiple herbivory: consequences for parasitoid search behaviour and foraging efficiency. <i>Animal Behaviour</i> , 2012 , 83, 501-509	2.8	42
300	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	5.6	42
299	Chemical information transfer between wounded and unwounded plants: backing up the future. <i>Biochemical Systematics and Ecology</i> , 2001 , 29, 1103-1113	1.4	42
298	Generalist and Specialist Parasitoid Strategies of Using Odours of Adult Drosophilid Flies When Searching for Larval Hosts. <i>Oikos</i> , 1996 , 77, 390	4	42
297	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	2.3	41
296	Olfactory learning by predatory arthropods. <i>Animal Biology</i> , 2006 , 56, 143-155	0.7	41
295	Increased risk of parasitism as ecological costs of using aggregation pheromones: laboratory and field study of <i>Drosophila-Leptopilina</i> interaction. <i>Oikos</i> , 2003 , 100, 269-282	4	41
294	Regulation of the expression of <i>tufA</i> and <i>tufB</i> , the two genes coding for the elongation factor EF-Tu in <i>Escherichia coli</i> . <i>FEBS Letters</i> , 1982 , 139, 325-30	3.8	41
293	Defensive insect symbiont leads to cascading extinctions and community collapse. <i>Ecology Letters</i> , 2016 , 19, 789-99	10	41
292	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	4.5	40
291	Observations and model estimates of diurnal water temperature dynamics in mosquito breeding sites in western Kenya. <i>Hydrological Processes</i> , 2008 , 22, 4789-4801	3.3	40
290	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	2.1	40
289	Impact of botanical extracts derived from <i>Melia azedarach</i> and <i>Azadirachta indica</i> on populations of <i>Plutella xylostella</i> and its natural enemies: A field test of laboratory findings. <i>Biological Control</i> , 2006 , 39, 105-114	3.8	40
288	Experience with methyl salicylate affects behavioural responses of a predatory mite to blends of herbivore-induced plant volatiles. <i>Entomologia Experimentalis Et Applicata</i> , 2004 , 110, 181-189	2.1	40
287	Neonates know better than their mothers when selecting a host plant. <i>Oikos</i> , 2012 , 121, 1923-1934	4	39
286	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, 1373-81	2.7	39
285	Recognising one's enemies: a functional approach to risk assessment by prey. <i>Behavioral Ecology and Sociobiology</i> , 2000 , 47, 258-264	2.5	39
284	Do phytoseiid mites select the best prey species in terms of reproductive success?. <i>Experimental and Applied Acarology</i> , 1990 , 8, 161-173	2.1	39

283	Variation in plant-mediated interactions between rhizobacteria and caterpillars: potential role of soil composition. <i>Plant Biology</i> , 2015 , 17, 474-83	3.7	38
282	Early herbivore alert matters: plant-mediated effects of egg deposition on higher trophic levels benefit plant fitness. <i>Ecology Letters</i> , 2015 , 18, 927-36	10	38
281	Effects of volatiles from <i>Maruca vitrata</i> larvae and caterpillar-infested flowers of their host plant <i>Vigna unguiculata</i> on the foraging behavior of the parasitoid <i>Apanteles taragamae</i> . <i>Journal of Chemical Ecology</i> , 2010 , 36, 1083-91	2.7	38
280	Ecogenomic approach to the role of herbivore-induced plant volatiles in community ecology. <i>Journal of Ecology</i> , 2007 , 95, 17-26	6	38
279	Parasitoid load affects plant fitness in a tritrophic system. <i>Entomologia Experimentalis Et Applicata</i> , 2008 , 128, 172-183	2.1	38
278	Identification of Volatile Potato Sesquiterpenoids and Their Olfactory Detection by the Two-spotted Stinkbug <i>Perillus bioculatus</i> . <i>Journal of Chemical Ecology</i> , 2000 , 26, 1433-1445	2.7	38
277	Vitamin a deficiency modifies response of predatory mite <i>Amblyseius potentillae</i> to volatile kairomone of two-spotted spider mite, <i>Tetranychus urticae</i> . <i>Journal of Chemical Ecology</i> , 1986 , 12, 1389-96	3.7	38
276	Effect of prior drought and pathogen stress on <i>Arabidopsis</i> transcriptome changes to caterpillar herbivory. <i>New Phytologist</i> , 2016 , 210, 1344-56	9.8	38
275	Herbivore-induced volatiles of cabbage (<i>Brassica oleracea</i>) prime defence responses in neighbouring intact plants. <i>Plant Biology</i> , 2011 , 13, 276-84	3.7	37
274	Prey-mediated effects of glucosinolates on aphid predators. <i>Ecological Entomology</i> , 2011 , 36, 377-388	2.1	37
273	<i>Acaricomes phytoseiuli</i> gen. nov., sp. nov., isolated from the predatory mite <i>Phytoseiulus persimilis</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006 , 56, 465-469	2.2	37
272	Hierarchical structure in kairomone preference of the predatory mite <i>Amblyseius potentillae</i> : dietary component indispensable for diapause induction affects prey location behaviour. <i>Ecological Entomology</i> , 1986 , 11, 131-138	2.1	37
271	Soil environment and activity of soil microflora in the Negev desert. <i>Journal of Arid Environments</i> , 1982 , 5, 13-28	2.5	37
270	Effects of waste stream combinations from brewing industry on performance of Black Soldier Fly, (Diptera: Stratiomyidae). <i>PeerJ</i> , 2018 , 6, e5885	3.1	37
269	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	11.5	36
268	Genetic engineering of plant volatile terpenoids: effects on a herbivore, a predator and a parasitoid. <i>Pest Management Science</i> , 2013 , 69, 302-11	4.6	36
267	Electroantennogram Responses of a Predator, <i>Perillus bioculatus</i> , and its Prey, <i>Leptinotarsa decemlineata</i> , to Plant Volatiles. <i>Journal of Chemical Ecology</i> , 1999 , 25, 2313-2325	2.7	36
266	Attraction of egg-killing parasitoids toward induced plant volatiles in a multi-herbivore context. <i>Oecologia</i> , 2015 , 179, 163-74	2.9	35

265	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, 733-45	9.8	35
264	Functional response and life history parameters of <i>Apanteles taragamae</i> , a larval parasitoid of <i>Maruca vitrata</i> . <i>BioControl</i> , 2010 , 55, 363-378	2.3	35
263	The Response Specificity of <i>Trichogramma</i> Egg Parasitoids towards Infochemicals during Host Location. <i>Journal of Insect Behavior</i> , 2007 , 20, 53-65	1.1	35
262	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	2.1	35
261	Trading direct for indirect defense? Phytochrome B inactivation in tomato attenuates direct anti-herbivore defenses whilst enhancing volatile-mediated attraction of predators. <i>New Phytologist</i> , 2016 , 212, 1057-1071	9.8	35
260	Thrips advisor: exploiting thrips-induced defences to combat pests on crops. <i>Journal of Experimental Botany</i> , 2018 , 69, 1837-1848	7	34
259	Induced plant responses to microbes and insects. <i>Frontiers in Plant Science</i> , 2013 , 4, 475	6.2	34
258	Natural variation in learning and memory dynamics studied by artificial selection on learning rate in parasitic wasps. <i>Animal Behaviour</i> , 2011 , 81, 325-333	2.8	34
257	Induced defence in detached uninfested plant leaves: effects on behaviour of herbivores and their predators. <i>Oecologia</i> , 1992 , 91, 554-560	2.9	34
256	Variation in the specificity of plant volatiles and their use by a specialist and a generalist parasitoid. <i>Animal Behaviour</i> , 2012 , 83, 1231-1242	2.8	33
255	Indirect plant-mediated interactions among parasitoid larvae. <i>Ecology Letters</i> , 2011 , 14, 670-6	10	33
254	Genetic variation in jasmonic acid- and spider mite-induced plant volatile emission of cucumber accessions and attraction of the predator <i>Phytoseiulus persimilis</i> . <i>Journal of Chemical Ecology</i> , 2010 , 36, 500-12	2.7	32
253	Behavioural responses of diamondback moth <i>Plutella xylostella</i> (Lepidoptera: Plutellidae) to extracts derived from <i>Melia azedarach</i> and <i>Azadirachta indica</i> . <i>Bulletin of Entomological Research</i> , 2005 , 95, 457-65	1.7	32
252	The Response of <i>Phytoseiulus persimilis</i> to Spider Mite-Induced Volatiles from <i>Gerbera</i> : Influence of Starvation and Experience. <i>Journal of Chemical Ecology</i> , 1999 , 25, 2623-2641	2.7	32
251	Parasitism overrides herbivore identity allowing hyperparasitoids to locate their parasitoid host using herbivore-induced plant volatiles. <i>Molecular Ecology</i> , 2015 , 24, 2886-99	5.7	31
250	Do parasitized caterpillars protect their parasitoids from hyperparasitoids? A test of the 'Usurpation hypothesis'. <i>Animal Behaviour</i> , 2008 , 76, 701-708	2.8	31
249	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	1.9	30
248	Plant-mediated Interactions Among Insects within a Community Ecological Perspective 2014 , 309-337		30

247	Lima bean leaves exposed to herbivore-induced conspecific plant volatiles attract herbivores in addition to carnivores. <i>Applied Entomology and Zoology</i> , 2003 , 38, 365-368	1.5	30
246	Insects as feed and the Sustainable Development Goals. <i>Journal of Insects As Food and Feed</i> , 2018 , 4, 147-156	4.4	30
245	Volatiles of pathogenic and non-pathogenic soil-borne fungi affect plant development and resistance to insects. <i>Oecologia</i> , 2019 , 190, 589-604	2.9	29
244	Aggregation pheromones of <i>Drosophila immigrans</i> , <i>D. phalerata</i> , and <i>D. subobscura</i> . <i>Journal of Chemical Ecology</i> , 1996 , 22, 1835-44	2.7	29
243	Quality control of mass-reared arthropods: Nutritional effects on performance of predatory mites ¹ . <i>Journal of Applied Entomology</i> , 1989 , 108, 462-475	1.7	29
242	Intensification and prolongation of host searching in <i>Leptopilina heterotoma</i> (Thomson) (Hymenoptera: Eucoilidae) through a kairomone produced by <i>Drosophila melanogaster</i> . <i>Journal of Chemical Ecology</i> , 1985 , 11, 125-36	2.7	29
241	Symbiont-mediated adaptation by planthoppers and leafhoppers to resistant rice varieties. <i>Arthropod-Plant Interactions</i> , 2013 , 7, 591-605	2.2	28
240	Protecting the environment through insect farming as a means to produce protein for use as livestock, poultry, and aquaculture feed. <i>Journal of Insects As Food and Feed</i> , 2015 , 1, 307-309	4.4	28
239	Mixtures of plant secondary metabolites ⁵⁶⁻⁷⁷		28
238	The role of volatiles in aggregation and host-seeking of the haematophagous poultry red mite <i>Dermanyssus gallinae</i> (Acari: Dermanyssidae). <i>Experimental and Applied Acarology</i> , 2010 , 50, 191-9	2.1	28
237	The use of aggregation pheromone to enhance dissemination of <i>Beauveria bassiana</i> for the control of the banana weevil in Uganda. <i>Biocontrol Science and Technology</i> , 2007 , 17, 111-124	1.7	28
236	Does prey preference change as a result of prey species being presented together? Analysis of prey selection by the predatory mite <i>Typhlodromus pyri</i> (Acarina: Phytoseiidae). <i>Oecologia</i> , 1989 , 81, 302-309 ^{2.9}	2.9	28
235	Nutritional composition of black soldier fly larvae feeding on agro-industrial by-products. <i>Entomologia Experimentalis Et Applicata</i> , 2020 , 168, 472-481	2.1	27
234	Automated video tracking of thrips behavior to assess host-plant resistance in multiple parallel two-choice setups. <i>Plant Methods</i> , 2016 , 12, 1	5.8	27
233	Intra-specific variation in wild <i>Brassica oleracea</i> for aphid-induced plant responses and consequences for caterpillar-parasitoid interactions. <i>Oecologia</i> , 2014 , 174, 853-62	2.9	27
232	When does it pay off to prime for defense? A modeling analysis. <i>New Phytologist</i> , 2017 , 216, 782-797	9.8	27
231	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	2.1	27
230	Pyrethrins protect pyrethrum leaves against attack by western flower thrips, <i>Frankliniella occidentalis</i> . <i>Journal of Chemical Ecology</i> , 2012 , 38, 370-7	2.7	27

229	Transcriptional responses of <i>Brassica nigra</i> to feeding by specialist insects of different feeding guilds. <i>Insect Science</i> , 2011 , 18, 259-272	3.6	27
228	Herbivore-Induced Indirect Defense: From Induction Mechanisms to Community Ecology 2008 , 31-60		27
227	Induced response of tomato plants to injury by green and red strains of <i>Tetranychus urticae</i> . <i>Experimental and Applied Acarology</i> , 2000 , 24, 377-83	2.1	27
226	Host-age discrimination during host location by <i>Cotesia glomerata</i> , a larval parasitoid of <i>Pieris brassicae</i> . <i>Entomologia Experimentalis Et Applicata</i> , 1995 , 76, 37-48	2.1	27
225	Prey preference of the phytoseiid mite <i>Typhlodromus pyri</i> 2. Electrophoretic diet analysis. <i>Experimental and Applied Acarology</i> , 1988 , 4, 15-25	2.1	27
224	Next-generation biological control: the need for integrating genetics and genomics. <i>Biological Reviews</i> , 2020 , 95, 1838-1854	13.5	27
223	Variation in herbivore-induced plant volatiles corresponds with spatial heterogeneity in the level of parasitoid competition and parasitoid exposure to hyperparasitism. <i>Functional Ecology</i> , 2013 , 27, 1107-1116	5.6	26
222	Temporal changes in plant secondary metabolite production	34-55	26
221	The use of oviposition-induced plant cues by <i>Trichogramma</i> egg parasitoids. <i>Ecological Entomology</i> , 2010 , 35, 748-753	2.1	26
220	Orientation behaviour of the predatory hemipteran <i>Perillus bioculatus</i> to plant and prey odours. <i>Entomologia Experimentalis Et Applicata</i> , 2000 , 96, 51-58	2.1	26
219	Attraction of a predator to chemical information related to nonprey: when can it be adaptive?. <i>Behavioral Ecology</i> , 2000 , 11, 606-613	2.3	26
218	Parasitic wasp-associated symbiont affects plant-mediated species interactions between herbivores. <i>Ecology Letters</i> , 2018 , 21, 957-967	10	25
217	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, 621-31	2.7	25
216	Comparative analysis of <i>Solanum stoloniferum</i> responses to probing by the green peach aphid <i>Myzus persicae</i> and the potato aphid <i>Macrosiphum euphorbiae</i> . <i>Insect Science</i> , 2013 , 20, 207-27	3.6	25
215	Synergism in the effect of prior jasmonic acid application on herbivore-induced volatile emission by Lima bean plants: transcription of a monoterpene synthase gene and volatile emission. <i>Journal of Experimental Botany</i> , 2014 , 65, 4821-31	7	25
214	Intraspecific variation in herbivore community composition and transcriptional profiles in field-grown <i>Brassica oleracea</i> cultivars. <i>Journal of Experimental Botany</i> , 2010 , 61, 807-19	7	25
213	Combined effects of patch size and plant nutritional quality on local densities of insect herbivores. <i>Basic and Applied Ecology</i> , 2010 , 11, 396-405	3.2	25
212	Attraction of <i>Phytoseiulus persimilis</i> (Acari: Phytoseiidae) towards volatiles from various <i>Tetranychus urticae</i> -infested plant species. <i>Bulletin of Entomological Research</i> , 2002 , 92, 539-46	1.7	25

211	To be in time: egg deposition enhances plant-mediated detection of young caterpillars by parasitoids. <i>Oecologia</i> , 2015 , 177, 477-86	2.9	24
210	Varied responses by yeast-like symbionts during virulence adaptation in a monophagous phloem-feeding insect. <i>Arthropod-Plant Interactions</i> , 2015 , 9, 215-224	2.2	24
209	Change in Behavioral Response to Herbivore-induced Plant Volatiles in a Predatory Mite Population. <i>Journal of Chemical Ecology</i> , 2000 , 26, 1497-1514	2.7	24
208	Role of volatile infochemicals in foraging behavior of the leafminer parasitoid <i>Dacnusa sibirica</i> (Diptera: Agromyzidae). <i>Journal of Insect Behavior</i> , 1991 , 4, 489-500	1.1	24
207	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	4.4	24
206	SIEVE ELEMENT-LINING CHAPERONE1 Restricts Aphid Feeding on Arabidopsis during Heat Stress. <i>Plant Cell</i> , 2017 , 29, 2450-2464	11.6	23
205	Ecology of Plastic Flowers. <i>Trends in Plant Science</i> , 2019 , 24, 725-740	13.1	23
204	High-throughput phenotyping of plant resistance to aphids by automated video tracking. <i>Plant Methods</i> , 2015 , 11, 4	5.8	23
203	Comparison of thread-cutting behavior in three specialist predatory mites to cope with complex webs of Tetranychus spider mites. <i>Experimental and Applied Acarology</i> , 2009 , 47, 111-20	2.1	23
202	Change in foraging behaviour of the predatory mite <i>Phytoseiulus persimilis</i> after exposure to dead conspecifics and their products. <i>Entomologia Experimentalis Et Applicata</i> , 1998 , 88, 295-300	2.1	23
201	Effects of prey mite species on life history of the phytoseiid predators <i>Typhlodromalus manihoti</i> and <i>Typhlodromalus aripo</i> . <i>Experimental and Applied Acarology</i> , 2003 , 30, 265-78	2.1	23
200	Negative impact of drought stress on a generalist leaf chewer and a phloem feeder is associated with, but not explained by an increase in herbivore-induced indole glucosinolates. <i>Environmental and Experimental Botany</i> , 2016 , 123, 88-97	5.9	23
199	Plant-mediated interactions between two herbivores differentially affect a subsequently arriving third herbivore in populations of wild cabbage. <i>Plant Biology</i> , 2016 , 18, 981-991	3.7	23
198	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,	3.1	22
197	Impact of botanical pesticides derived from <i>Melia azedarach</i> and <i>Azadirachta indica</i> plants on the emission of volatiles that attract Parasitoids of the diamondback moth to cabbage plants. <i>Journal of Chemical Ecology</i> , 2006 , 32, 325-49	2.7	22
196	Infochemical-mediated intraguild interactions among three predatory mites on cassava plants. <i>Oecologia</i> , 2003 , 135, 84-90	2.9	22
195	Insights in the Global Genetics and Gut Microbiome of Black Soldier Fly, : Implications for Animal Feed Safety Control. <i>Frontiers in Microbiology</i> , 2020 , 11, 1538	5.7	21
194	Multidisciplinary approach to unravelling the relative contribution of different oxylipins in indirect defense of <i>Arabidopsis thaliana</i> . <i>Journal of Chemical Ecology</i> , 2009 , 35, 1021-31	2.7	21

193	Signal transduction downstream of salicylic and jasmonic acid in herbivory-induced parasitoid attraction by <i>Arabidopsis</i> is independent of JAR1 and NPR1. <i>Plant, Cell and Environment</i> , 2003 , 26, 1541-1548	8.4	21
192	Receptor cell responses in the anterior tarsi of <i>Phytoseiulus persimilis</i> to volatile kairomone components. <i>Experimental and Applied Acarology</i> , 1991 , 13, 53-58	2.1	21
191	Compatible and incompatible pathogen-plant interactions differentially affect plant volatile emissions and the attraction of parasitoid wasps. <i>Functional Ecology</i> , 2016 , 30, 1779-1789	5.6	21
190	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	2.2	21
189	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	4.9	20
188	Performance and feeding behaviour of two biotypes of the black currant-lettuce aphid, <i>Nasonovia ribisnigri</i> , on resistant and susceptible <i>Lactuca sativa</i> near-isogenic lines. <i>Bulletin of Entomological Research</i> , 2013 , 103, 511-21	1.7	20
187	Insect oviposition behavior affects the evolution of adaptation to Bt crops: consequences for refuge policies. <i>Evolutionary Ecology</i> , 2010 , 24, 1017-1030	1.8	20
186	Space Use of Amazonian Poison Frogs: Testing the Reproductive Resource Defense Hypothesis. <i>Journal of Herpetology</i> , 2008 , 42, 270-278	1.1	20
185	Information use by the predatory mite <i>Phytoseiulus persimilis</i> (Acari: Phytoseiidae), a specialised natural enemy of herbivorous spider mites. <i>Applied Entomology and Zoology</i> , 2005 , 40, 1-12	1.5	20
184	Microbial Symbionts of Parasitoids. <i>Annual Review of Entomology</i> , 2020 , 65, 171-190	21.8	20
183	Differential Costs of Two Distinct Resistance Mechanisms Induced by Different Herbivore Species in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2016 , 170, 891-906	6.6	19
182	Body odors of parasitized caterpillars give away the presence of parasitoid larvae to their primary hyperparasitoid enemies. <i>Journal of Chemical Ecology</i> , 2014 , 40, 986-95	2.7	19
181	Validation of an automated mite counter for <i>Dermanyssus gallinae</i> in experimental laying hen cages. <i>Experimental and Applied Acarology</i> , 2015 , 66, 589-603	2.1	19
180	Efficacy of plant extracts against the cowpea beetle, <i>Callosobruchus maculatus</i> . <i>International Journal of Pest Management</i> , 2004 , 50, 251-258	1.5	19
179	Ecology. Ecogenomics benefits community ecology. <i>Science</i> , 2004 , 305, 618-9	33.3	19
178	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	8.4	18
177	Caterpillars induce jasmonates in flowers and alter plant responses to a second attacker. <i>New Phytologist</i> , 2018 , 217, 1279-1291	9.8	18
176	Food plant and herbivore host species affect the outcome of intrinsic competition among parasitoid larvae. <i>Ecological Entomology</i> , 2014 , 39, 693-702	2.1	18

175	Silencing defense pathways in Arabidopsis by heterologous gene sequences from Brassica oleracea enhances the performance of a specialist and a generalist herbivorous insect. <i>Journal of Chemical Ecology</i> , 2011 , 37, 818-29	2.7	18
174	Plant-mediated species networks: the modulating role of herbivore density. <i>Ecological Entomology</i> , 2017 , 42, 449-457	2.1	17
173	Isoprene emission by poplar is not important for the feeding behaviour of poplar leaf beetles. <i>BMC Plant Biology</i> , 2015 , 15, 165	5.3	17
172	Smallholder farmers' knowledge and willingness to pay for insect-based feeds in Kenya. <i>PLoS ONE</i> , 2020 , 15, e0230552	3.7	17
171	Order of herbivore arrival on wild cabbage populations influences subsequent arthropod community development. <i>Oikos</i> , 2018 , 127, 1482-1493	4	17
170	Intraspecific variation in herbivore-induced plant volatiles influences the spatial range of plant-parasitoid interactions. <i>Oikos</i> , 2019 , 128, 77-86	4	17
169	Verified and potential pathogens of predatory mites (Acari: Phytoseiidae). <i>Experimental and Applied Acarology</i> , 2008 , 46, 307-28	2.1	17
168	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	2.1	17
167	Attraction of the predatory mites <i>Typhlodromalus manihoti</i> and <i>Typhlodromalus aripo</i> to cassava plants infested by cassava green mite. <i>Entomologia Experimentalis Et Applicata</i> , 2001 , 101, 291-298	2.1	17
166	Feeding guild of non-host community members affects host-foraging efficiency of a parasitic wasp. <i>Ecology</i> , 2016 , 97, 1388-99	4.6	17
165	Involvement of sweet pepper CaLOX2 in jasmonate-dependent induced defence against Western flower thrips. <i>Journal of Integrative Plant Biology</i> , 2019 , 61, 1085-1098	8.3	17
164	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	9.8	16
163	Tolerance of <i>Brassica nigra</i> to <i>Pieris brassicae</i> herbivory. <i>Botany</i> , 2008 , 86, 641-648	1.3	16
162	Oviposition preference of <i>Lygocoris pabulinus</i> (Het., Miridae) in relation to plants and conspecifics. <i>Journal of Applied Entomology</i> , 2003 , 127, 65-71	1.7	16
161	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	4.4	16
160	Genome-wide identification, classification and expression of lipoxygenase gene family in pepper. <i>Plant Molecular Biology</i> , 2018 , 98, 375-387	4.6	16
159	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,	4.3	15
158	Plant responses to butterfly oviposition partly explain preference-performance relationships on different brassicaceous species. <i>Oecologia</i> , 2020 , 192, 463-475	2.9	15

157	Consequences of constitutive and induced variation in the host's food plant quality for parasitoid larval development. <i>Journal of Insect Physiology</i> , 2012 , 58, 367-75	2.4	15
156	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	2.8	15
155	Comparing induction at an early and late step in signal transduction mediating indirect defence in Brassica oleracea. <i>Journal of Experimental Botany</i> , 2009 , 60, 2589-99	7	15
154	Plants under attack: multiple interactions with insects and microbes. <i>Plant Signaling and Behavior</i> , 2007 , 2, 527-9	2.5	15
153	A novel disease affecting the predatory mite <i>Phytoseiulus persimilis</i> (Acari, Phytoseiidae): 2. Disease transmission by adult females. <i>Experimental and Applied Acarology</i> , 2006 , 39, 85-103	2.1	15
152	Effects of two pheromone trap densities against banana weevil, <i>Cosmopolites sordidus</i> , populations and their impact on plant damage in Uganda. <i>Journal of Applied Entomology</i> , 2005 , 129, 265-271	1.7	15
151	Compatibility of Host Plant Resistance and Biological Control of the Two-Spotted Spider Mite <i>Tetranychus urticae</i> in the Ornamental Crop Gerbera. <i>Biological Control</i> , 1999 , 16, 155-163	3.8	15
150	Proximate mechanisms of drought resistance in <i>Phytoseiulus persimilis</i> eggs. <i>Experimental and Applied Acarology</i> , 2019 , 79, 279-298	2.1	15
149	Ecological interactions shape the adaptive value of plant defence: Herbivore attack versus competition for light. <i>Functional Ecology</i> , 2019 , 33, 129-138	5.6	15
148	LEDs Make It Resilient: Effects on Plant Growth and Defense. <i>Trends in Plant Science</i> , 2021 , 26, 496-508	13.1	15
147	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,	3	15
146	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	5.7	14
145	Defense of pyrethrum flowers: repelling herbivores and recruiting carnivores by producing aphid alarm pheromone. <i>New Phytologist</i> , 2019 , 223, 1607-1620	9.8	14
144	Are naïve birds attracted to herbivore-induced plant defences?. <i>Behaviour</i> , 2016 , 153, 353-366	1.4	14
143	Novel bacterial pathogen <i>Acaricomes phytoseiuli</i> causes severe disease symptoms and histopathological changes in the predatory mite <i>Phytoseiulus persimilis</i> (Acari, Phytoseiidae). <i>Journal of Invertebrate Pathology</i> , 2008 , 98, 127-35	2.6	14
142	Host plant odours enhance the responses of adult banana weevil to the synthetic aggregation pheromone <i>Cosmolure+</i> . <i>International Journal of Pest Management</i> , 2007 , 53, 127-137	1.5	14
141	A novel disease affecting the predatory mite <i>Phytoseiulus persimilis</i> (Acari, Phytoseiidae): 1. Symptoms in adult females. <i>Experimental and Applied Acarology</i> , 2006 , 38, 275-97	2.1	14
140	Foraging for patchily-distributed leaf miners by the parasitic wasp, <i>Dacnusa sibirica</i> . <i>Researches on Population Ecology</i> , 1990 , 32, 381-389		14

- 139 Understanding the long-lasting attraction of malaria mosquitoes to odor baits. *PLoS ONE*, **2015**, 10, e0121533 14
- 138 Leaf metabolic signatures induced by real and simulated herbivory in black mustard (*Brassica nigra*). *Metabolomics*, **2019**, 15, 130 4.7 13
- 137 Impacts of farmer field schools in the human, social, natural and financial domain: a qualitative review. *Food Security*, **2020**, 12, 1443-1459 6.7 13
- 136 Community structure and abundance of insects in response to early-season aphid infestation in wild cabbage populations. *Ecological Entomology*, **2016**, 41, 378-388 2.1 13
- 135 What makes a volatile organic compound a reliable indicator of insect herbivory?. *Plant, Cell and Environment*, **2019**, 42, 3308-3325 8.4 13
- 134 *Brevicoryne brassicae* aphids interfere with transcriptome responses of *Arabidopsis thaliana* to feeding by *Plutella xylostella* caterpillars in a density-dependent manner. *Oecologia*, **2017**, 183, 107-120 2.9 13
- 133 PCR-based identification of the pathogenic bacterium, *Acaricomes phytoseiuli*, in the biological control agent *Phytoseiulus persimilis* (Acari: Phytoseiidae). *Biological Control*, **2007**, 42, 316-325 3.8 13
- 132 Host preference of *Callosobruchus maculatus*: a comparison of life history characteristics for three strains of beetles on two varieties of cowpea. *Journal of Applied Entomology*, **2004**, 128, 390-396 1.7 13
- 131 Olfactory responses of banana weevil predators to volatiles from banana pseudostem tissue and synthetic pheromone. *Journal of Chemical Ecology*, **2005**, 31, 1537-53 2.7 13
- 130 Feeding behaviour and performance of different populations of the black currant-lettuce aphid, *Nasonovia ribisnigri*, on resistant and susceptible lettuce. *Entomologia Experimentalis Et Applicata*, **2013**, 148, 130-141 2.1 13
- 129 Quantitative resistance against *Bemisia tabaci* in *Solanum pennellii*: Genetics and metabolomics. *Journal of Integrative Plant Biology*, **2016**, 58, 397-412 8.3 13
- 128 Hyperparasitoids exploit herbivore-induced plant volatiles during host location to assess host quality and non-host identity. *Oecologia*, **2019**, 189, 699-709 2.9 12
- 127 Is the farmer field school still relevant? Case studies from Malawi and Indonesia. *Njas - Wageningen Journal of Life Sciences*, **2020**, 92, 1-13 7 12
- 126 Interactive Effects of Cabbage Aphid and Caterpillar Herbivory on Transcription of Plant Genes Associated with Phytohormonal Signalling in Wild Cabbage. *Journal of Chemical Ecology*, **2016**, 42, 793-805 2.7 12
- 125 Flexible parasitoid behaviour overcomes constraint resulting from position of host and nonhost herbivores. *Animal Behaviour*, **2016**, 113, 125-135 2.8 12
- 124 Chemical ecology of phytohormones: how plants integrate responses to complex and dynamic environments. *Journal of Chemical Ecology*, **2014**, 40, 653-6 2.7 12
- 123 The presence of webbing affects the oviposition rate of two-spotted spider mites, *Tetranychus urticae* (Acari: Tetranychidae). *Experimental and Applied Acarology*, **2009**, 49, 167-72 2.1 12
- 122 Why do plants balk? *Chemoecology*, **1994**, 5-6, 159-165 2 12

121	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	8.4	12
120	Use of visual and olfactory cues of flowers of two brassicaceous species by insect pollinators. <i>Ecological Entomology</i> , 2020 , 45, 45-55	2.1	12
119	Oviposition preference but not adult feeding preference matches with offspring performance in the bronze bug <i>Thaumastocoris peregrinus</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2017 , 163, 101-111	2.1	11
118	The soil microbial community and plant foliar defences against insects	170-189	11
117	Increasing insight into induced plant defense mechanisms using elicitors and inhibitors. <i>Plant Signaling and Behavior</i> , 2010 , 5, 271-4	2.5	11
116	Bidirectional plant-mediated interactions between rhizobacteria and shoot-feeding herbivorous insects: a community ecology perspective. <i>Ecological Entomology</i> , 2021 , 46, 1-10	2.1	11
115	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	6.2	10
114	Induced plant volatiles: plant body odours structuring ecological networks. <i>New Phytologist</i> , 2016 , 210, 10-2	9.8	10
113	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	8.4	10
112	Context-Dependence and the Development of Push-Pull Approaches for Integrated Management of. <i>Insects</i> , 2019 , 10,	2.8	10
111	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	3.8	10
110	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	2.1	9
109	Factors influencing pheromone trap effectiveness in attracting the banana weevil, <i>Cosmopolites sordidus</i> . <i>International Journal of Pest Management</i> , 2005 , 51, 281-288	1.5	9
108	Insects In Western Art. <i>American Entomologist</i> , 2000 , 46, 228-237	0.6	9
107	Use of semiochemicals for surveillance and control of hematophagous insects. <i>Chemoecology</i> , 2020 , 30, 277-286	2	9
106	Direct and indirect genetic effects in life-history traits of flour beetles (<i>Tribolium castaneum</i>). <i>Evolution; International Journal of Organic Evolution</i> , 2016 , 70, 207-17	3.8	9
105	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	4.6	9
104	Volatiles from soil-borne fungi affect directional growth of roots. <i>Plant, Cell and Environment</i> , 2021 , 44, 339-345	8.4	9

103	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	4.4	9
102	Does Aphid Infestation Interfere with Indirect Plant Defense against Lepidopteran Caterpillars in Wild Cabbage?. <i>Journal of Chemical Ecology</i> , 2017 , 43, 493-505	2.7	8
101	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	2.7	8
100	Behavioral Ecology of Oviposition-Site Selection in Herbivorous True Bugs. <i>Advances in the Study of Behavior</i> , 2013 , 45, 175-207	3.4	8
99	Biodiversity analyses for risk assessment of genetically modified potato. <i>Agriculture, Ecosystems and Environment</i> , 2017 , 249, 196-205	5.7	8
98	Enhancing dissemination of <i>Beauveria bassiana</i> with host plant base incision trap for the management of the banana weevil <i>Cosmopolites sordidus</i> . <i>African Journal of Agricultural Research Vol Pp</i> , 2015 , 10, 3878-3884	0.5	8
97	Response of <i>Solanum tuberosum</i> to <i>Myzus persicae</i> infestation at different stages of foliage maturity. <i>Insect Science</i> , 2014 , 21, 727-40	3.6	8
96	CREB expression in the brains of two closely related parasitic wasp species that differ in long-term memory formation. <i>Insect Molecular Biology</i> , 2010 , 19, 367-79	3.4	8
95	Relationship between the ability to penetrate complex webs of <i>Tetranychus</i> spider mites and the ability of thread-cutting behavior in phytoseiid predatory mites. <i>Biological Control</i> , 2010 , 53, 273-279	3.8	8
94	Field trials with plant products to protect stored cowpea against insect damage. <i>International Journal of Pest Management</i> , 2004 , 50, 1-9	1.5	8
93	Prey-related odor preference of the predatory mites <i>Typhlodromalus manihoti</i> and <i>Typhlodromalus aripo</i> (Acari: Phytoseiidae). <i>Experimental and Applied Acarology</i> , 2002 , 27, 39-56	2.1	8
92	Volatile Stimuli Related to Feeding Activity of Nonprey Caterpillars, <i>Spodoptera exigua</i> , Affect Olfactory Response of the Predatory Mite <i>Phytoseiulus persimilis</i> . <i>Journal of Chemical Ecology</i> , 1999 , 25, 1585-1595	2.7	8
91	Evolution of Induced Indirect Defense of Plants 2021 , 62-88		8
90	Phenotypic variation in egg survival in the predatory mite <i>Phytoseiulus persimilis</i> under dry conditions. <i>Biological Control</i> , 2019 , 130, 88-94	3.8	8
89	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	2.9	7
88	Structured design of an automated monitoring tool for pest species. <i>Biosystems Engineering</i> , 2016 , 151, 126-140	4.8	7
87	Effect of <i>Maruca vitrata</i> (Lepidoptera: Crambidae) host plants on life-history parameters of the parasitoid <i>Apanteles taragamae</i> (Hymenoptera: Braconidae). <i>Insect Science</i> , 2012 , 19, 518-528	3.6	7
86	The potential of a population genomics approach to analyse geographic mosaics of plant--insect coevolution. <i>Evolutionary Ecology</i> , 2011 , 25, 977-992	1.8	7

85	Use of infochemicals in Pest Management with Special Reference to the Banana Weevil, <i>Cosmopolites sordidus</i> (Germar) (Coleoptera: Curculionidae). <i>International Journal of Tropical Insect Science</i> , 2002 , 22, 241-261	1	7
84	Factors influencing the occurrence of fall armyworm parasitoids in Zambia. <i>Journal of Pest Science</i> , 2021 , 94, 1133-1146	5.5	7
83	Herbivore species identity rather than diversity of the non-host community determines foraging behaviour of the parasitoid wasp <i>Cotesia glomerata</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2016 , 161, 20-30	2.1	7
82	Chemical Ecology from Genes to Communities 2006 , 175-189		7
81	Insect frass and exuviae to promote plant growth and health.. <i>Trends in Plant Science</i> , 2022 ,	13.1	7
80	Ecological significance of light quality in optimizing plant defence. <i>Plant, Cell and Environment</i> , 2019 , 42, 1065-1077	8.4	6
79	Cross-seasonal legacy effects of arthropod community on plant fitness in perennial plants. <i>Journal of Ecology</i> , 2019 , 107, 2451-2463	6	6
78	Endure and call for help: strategies of black mustard plants to deal with a specialized caterpillar. <i>Functional Ecology</i> , 2017 , 31, 325-333	5.6	6
77	Altered volatile profile associated with precopulatory mate guarding attracts spider mite males. <i>Journal of Chemical Ecology</i> , 2015 , 41, 187-93	2.7	6
76	Lack of correlation between constitutive and induced resistance to a herbivore in crucifer plants: real or flawed by experimental methods?. <i>Entomologia Experimentalis Et Applicata</i> , 2009 , 131, 58-66	2.1	6
75	The integrative roles of plant secondary metabolites in natural systems1-9		6
74	Infochemical-Mediated Niche Use by the Predatory Mites <i>Typhlodromalus manihoti</i> and <i>T. aripo</i> (Acari: Phytoseiidae). <i>Journal of Insect Behavior</i> , 2003 , 16, 523-535	1.1	6
73	Are herbivore-induced plant volatiles reliable indicators of herbivore identity to foraging carnivorous arthropods? 1999 , 131-142		6
72	IPM-recommended insecticides harm beneficial insects through contaminated honeydew. <i>Environmental Pollution</i> , 2020 , 267, 115581	9.3	6
71	Relative contributions of egg-associated and substrate-associated microorganisms to black soldier fly larval performance and microbiota. <i>FEMS Microbiology Ecology</i> , 2021 , 97,	4.3	6
70	Insect species richness affects plant responses to multi-herbivore attack. <i>New Phytologist</i> , 2021 , 231, 2333-2345	9.8	6
69	Plant-Mediated Interactions among Insects within a Community Ecological Perspective 2018 , 309-337		6
68	Does drought stress modify the effects of plant-growth promoting rhizobacteria on an aboveground chewing herbivore?. <i>Insect Science</i> , 2017 , 24, 1034-1044	3.6	5

67	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, 977-85	2.7	5
66	Natural selection for anti-herbivore plant secondary metabolites ¹⁰⁻³³		5
65	A novel disease affecting the predatory mite <i>Phytoseiulus persimilis</i> (Acari, Phytoseiidae): evidence for the involvement of bacteria. <i>Biocontrol Science and Technology</i> , 2008 , 18, 1-19	1.7	5
64	Insecticide-contaminated honeydew: risks for beneficial insects. <i>Biological Reviews</i> , 2021 ,	13.5	5
63	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	1.5	5
62	Density-mediated indirect interactions alter host foraging behaviour of parasitoids without altering foraging efficiency. <i>Ecological Entomology</i> , 2016 , 41, 562-571	2.1	5
61	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	3.8	5
60	Terpenoids in Plant Signaling: Chemical Ecology ¹		5
59	Insects for peace. <i>Current Opinion in Insect Science</i> , 2020 , 40, 85-93	5.1	4
58	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	4.3	4
57	Effect of the eucalypt lerp psyllid <i>Glycaspis brimblecombei</i> on adult feeding, oviposition-site selection, and offspring performance of the bronze bug, <i>Thaumastocoris peregrinus</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2018 , 166, 395-401	2.1	4
56	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	2.1	4
55	Asking the ecosystem if herbivory-inducible plant volatiles (HIPVs) have defensive functions ²⁸⁷⁻³⁰⁷		4
54	Assessing non-target effects and host feeding of the exotic parasitoid <i>Apanteles taragamae</i> , a potential biological control agent of the cowpea pod borer <i>Maruca vitrata</i> . <i>BioControl</i> , 2012 , 57, 415-425 ²⁻³		4
53	Different headspace profiles in wild crucifer species in response to <i>Plutella xylostella</i> herbivory and exogenous jasmonic acid application. <i>Insect Science</i> , 2010 , 17, 29-37	3.6	4
52	Dynamics of plant secondary metabolites and consequences for food chains and community dynamics ³⁰⁸⁻³²⁸		4
51	Reply from j. Bruin, m.w. Sabelis and m. Dicke. <i>Trends in Ecology and Evolution</i> , 1995 , 10, 371	10.9	4
50	Leading issues in implementation of farmer field schools: a global survey. <i>Journal of Agricultural Education and Extension</i> , 2021 , 27, 341-353	1.3	4

49	Maternal effect determines drought resistance of eggs in the predatory mite <i>Phytoseiulus persimilis</i> . <i>Oecologia</i> , 2020 , 192, 29-41	2.9	4
48	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	3.6	4
47	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	2.1	4
46	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	2.1	3
45	Spatial scale, neighbouring plants and variation in plant volatiles interactively determine the strength of host-parasitoid relationships. <i>Oikos</i> , 2020 , 129, 1429-1439	4	3
44	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	2.2	3
43	Phytochemicals as mediators of aboveground-belowground interactions in plants	190-203	3
42	Jasmonates differentially affect interconnected signal-transduction pathways of <i>Pieris rapae</i> -induced defenses in <i>Arabidopsis thaliana</i> . <i>Insect Science</i> , 2011 , 18, 249-258	3.6	3
41	Special Feature: Induced plant responses towards herbivory. <i>Basic and Applied Ecology</i> , 2003 , 4, 1-2	3.2	3
40	Bt crop risk assessment in the Netherlands. <i>Nature Biotechnology</i> , 2003 , 21, 973-4	44.5	3
39	Behavioural ecology of plant-phytoseiid interactions mediated by herbivore-induced plant volatiles	1999, 251-268	3
38	Fungal volatiles influence plant defence against above-ground and below-ground herbivory. <i>Functional Ecology</i> , 2020 , 34, 2259-2269	5.6	3
37	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	4.4	3
36	SLI1 confers broad-spectrum resistance to phloem-feeding insects. <i>Plant, Cell and Environment</i> , 2021 , 44, 2765-2776	8.4	3
35	Plant-phenotypic changes induced by parasitoid ichnoviruses enhance the performance of both unparasitized and parasitized caterpillars. <i>Molecular Ecology</i> , 2021 , 30, 4567-4583	5.7	3
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	5.6	3
33	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	9.8	3
32	Neonicotinoids from coated seeds toxic for honeydew-feeding biological control agents. <i>Environmental Pollution</i> , 2021 , 289, 117813	9.3	3

31	Specificity of herbivore-induced plant defences. <i>Novartis Foundation Symposium</i> , 1999 , 223, 43-54; discussion 54-9, 160-5		3
30	The Role of Microorganisms in TRI-Trophic Interactions in Systems Consisting of Plants, Herbivores, and Carnivores 1996 , 71-84		3
29	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	2.1	2
28	Exploitation of chemical signaling by parasitoids: impact on host population dynamics. <i>Journal of Chemical Ecology</i> , 2013 , 39, 752-63	2.7	2
27	Resistance to a new biotype of the lettuce aphid <i>Nasonovia ribisnigri</i> in <i>Lactuca virosa</i> accession IVT280. <i>Euphytica</i> , 2013 , 193, 265-275	2.1	2
26	Expression in Arabidopsis of a Strawberry Linalool Synthase Gene Under the Control of the Inducible Potato PI2 Promoter. <i>Agricultural Sciences in China</i> , 2008 , 7, 521-534		2
25	Next Generation Biological Control: The Need for Integrating Genetics and Evolution		2
24	Parasitism by endoparasitoid wasps alters the internal but not the external microbiome in host caterpillars. <i>Animal Microbiome</i> , 2021 , 3, 73	4.1	2
23	Herbivore-Induced Plant Volatiles as a Source of Information in Plant-Insect Networks 2020 , 327-346		2
22	Sensory Ecology of Arthropods Utilizing Plant Infochemicals 2001 , 253-270		2
21	Plant responses to butterfly oviposition partly explain preference-performance relationships on different brassicaceous species		2
20	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	6.2	2
19	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	1.7	2
18	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	2.7	2
17	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	4.4	2
16	Herbivore-Induced Plant Volatiles with Multifunctional Effects in Ecosystems: A Complex Pattern of Biotic Interactions 1997 , 131-145		2
15	Female response to predation risk alters conspecific male behaviour during pre-copulatory mate guarding. <i>Ethology</i> , 2018 , 124, 122-130	1.7	1
14	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	2.1	1

13	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	2.1	1
12	Volatile isoprenoids and abiotic stresses101-119		1
11	Evolutionary patterns and mechanisms in consumer-resource interactions. <i>Journal of Evolutionary Biology</i> , 1999 , 12, 419-420	2.3	1
10	Effects of NeemAzal-T/S on different developmental stages of rose aphid, <i>Macrosiphum rosae</i> . <i>Entomologia Experimentalis Et Applicata</i> ,	2.1	1
9	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	4.1	1
8	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	2.1	1
7	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 , e0008422	4.8	1
6	Herbivore-induced plant volatiles, not natural enemies, mediate a positive indirect interaction between insect herbivores.. <i>Oecologia</i> , 2022 , 198, 443	2.9	0
5	Verified and potential pathogens of predatory mites (Acari: Phytoseiidae) 2008 , 307-328		0
4	Leaf-chewing herbivores affect preference and performance of a specialist root herbivore.. <i>Oecologia</i> , 2022 , 1	2.9	0
3	Chemical ecology: body odor, behavior, and body building. <i>Journal of Chemical Ecology</i> , 2014 , 40, 313-4	2.7	
2	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> ,1	2.2	
1	Infochemicals that mediate plant-carnivore communication systemically induced by herbivory 1992 , 355-356		