

Reactions of adult female parasitoids, particularly Aphidius, to
chemical cues from the host plants of their aphid prey

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The role of the plant in host acceptance by the parasitoid <i>Aphidius rhopalosiphi</i> (Hymenoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 74	0.5	21
2	ELECTROANTENNOGRAM RESPONSES OF <i>LYSIPHLEBIA JAPONICA</i> ASHMEAD (HYMENOPTERA: APHIDIIDAE) TO SOME COTTON PLANT VOLATILES AND COTTON APHID PHEROMONES. <i>Insect Science</i> , 1995, 2, 253-264.	1.5	5
3	The role of physical cues in the regulation of host recognition and acceptance behavior of <i>Aphidius ervi</i> Haliday (Hymenoptera: Braconidae). <i>Journal of Insect Behavior</i> , 1995, 8, 739-750.	0.4	50
4	Olfactory responses of the parasitoid <i>Diaeretiella rapae</i> (Hymenoptera: Aphidiidae) to odor of plants, aphids, and plant-aphid complexes. <i>Journal of Chemical Ecology</i> , 1995, 21, 407-418.	0.9	60
5	Host plant-Aphidophaga interactions. <i>Agriculture, Ecosystems and Environment</i> , 1995, 52, 3-11.	2.5	76
6	Hopkins' "host selection principle"™, another nail in its coffin. <i>Physiological Entomology</i> , 1996, 21, 325-328.	0.6	141
7	The influence of the host plant of diamond-back moth (<i>Plutella xylostella</i>) on the plant preferences of its parasitoid <i>Cotesia plufellae</i> in Sri Lanka. <i>Physiological Entomology</i> , 1996, 21, 93-96.	0.6	21
8	A survey of identified kairomones and synomones used by insect parasitoids to locate and accept their hosts. <i>Chemoecology</i> , 1996, 7, 121-131.	0.6	79
9	Aphid alarm pheromone (E)-?-farnesene: A host finding kairomone for the aphid primary parasitoid <i>Aphidius uzbekistanicus</i> (Hymenoptera: Aphidiinae). <i>Chemoecology</i> , 1996, 7, 132-139.	0.6	68
10	Relative importance of semiochemicals from first and second trophic levels in host foraging behavior of <i>Aphidius ervi</i> . <i>Journal of Chemical Ecology</i> , 1996, 22, 1591-1605.	0.9	201
11	Influence of wheat and oat cultivars on the development of the cereal aphid parasitoid <i>Aphidius rhopalosiphi</i> and the generalist aphid parasitoid <i>Ephedrus plagiator</i> . <i>Annals of Applied Biology</i> , 1996, 129, 181-187.	1.3	19
12	OLFACTORY RESPONSES OF <i>LYSIPHLEBIA JAPONICA</i> TO VOLATILE CHEMICALS AND FRESH LEAVES OF THE HOST PLANTS OF COTTON APHIDS IN OLFACTOMETER. <i>Insect Science</i> , 1996, 3, 49-57.	1.5	1
13	Behavioral and physiological responses of <i>Diaeretiella rapae</i> to semiochemicals. <i>Entomologia Experimentalis Et Applicata</i> , 1996, 78, 187-196.	0.7	55
14	INVITATION PAPER: C.P. Alexander Fund: HOST CHOICE BY APHIDIID PARASITOID (HYMENOPTERA: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 74 959-980.	0.4	110
15	Effect of Adult Experience on in-Flight Orientation to Plant and Plant-Host Complex Volatiles in <i>Aphidius ervi</i> Haliday (Hymenoptera, Braconidae). <i>Biological Control</i> , 1997, 10, 159-165.	1.4	44
16	EAG and orientation tests on the parasitoid <i>Lysiphlebia japonica</i> (Hym., Aphidiidae) to volatile chemicals extracted from host plants of cotton aphid <i>Aphis gossypii</i> (Hom., Aphidae). <i>Journal of Applied Entomology</i> , 1997, 121, 495-500.	0.8	14
17	Tritrophic interactions: Improving ecological understanding and biological control?. <i>Endeavour</i> , 1997, 21, 61-65.	0.1	36
18	Chemical signals mediating interactions between <i>Galeruca tanacetii</i> L. (Coleoptera, Chrysomelidae) and its egg parasitoid <i>Oomyzus galerucivorus</i> (Hedqvist) (Hymenoptera, Eulophidae). <i>Journal of Insect Behavior</i> , 1997, 10, 523-539.	0.4	28

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19	Studies on the host-finding ability of the aphid parasitoid, <i>Trioxys complanatus</i> (Hym.: Braconidae) in lucerne and clover. <i>Entomophaga</i> , 1997, 42, 173-183.	0.2	5
20	Aphid parasitoid responses to semiochemicals " Genetic, conditioned or learnt?. <i>Entomophaga</i> , 1997, 42, 193-199.	0.2	32
21	Host location in <i>Oomyzus gallerucae</i> (Hymenoptera: Eulophidae), an egg parasitoid of the elm leaf beetle <i>Xanthogaleruca luteola</i> (Coleoptera: Chrysomelidae). <i>Oecologia</i> , 1997, 112, 87-93.	0.9	110
22	Measuring the Arousal Space of a Sit-and-Wait Predator: A Comparison of Predictive Models. <i>Journal of Insect Behavior</i> , 1998, 11, 773-792.	0.4	1
23	Title is missing!. <i>Journal of Chemical Ecology</i> , 1998, 24, 1355-1368.	0.9	382
24	Title is missing!. <i>Journal of Chemical Ecology</i> , 1998, 24, 37-48.	0.9	22
25	Host selection by <i>Aphidius rosae</i> Haliday (Hym., Braconidae) with respect to assessment of host specificity in biological control. <i>Journal of Applied Entomology</i> , 1998, 122, 57-63.	0.8	18
26	Increased Parasitization of Aphids on Trap Plants Alongside Vials Releasing Synthetic Aphid Sex Pheromone and Effective Range of the Pheromone. <i>Biocontrol Science and Technology</i> , 1998, 8, 607-614.	0.5	32
27	Habitat manipulation and natural enemy efficiency. , 1998, , 155-183.		63
28	Differences in behavioral responses of <i>Sitobion avenae</i> (Hemiptera: Aphididae) to volatile compounds, following parasitism by <i>Aphidius ervi</i> (Hymenoptera: Braconidae). <i>Ecoscience</i> , 1998, 5, 334-337.	0.6	3
29	Semiochemicals associated to spacing behaviour of the bird cherry-oat aphid <i>Rhopalosiphum padi</i> L. (Hem., Aphididae) do not affect the olfactometric behaviour of the cereal aphid parasitoid <i>Aphidius rhopalosiphii</i> De Stephani-Perez (Hym., Braconidae). <i>Journal of Applied Entomology</i> , 1999, 123, 413-415.	0.8	8
30	Response of an aphid parasitoid, <i>Aphelinus asychis</i> to its host, plant, host-plant complex, and to malathion. <i>Entomologia Experimentalis Et Applicata</i> , 1999, 91, 449-457.	0.7	7
31	Title is missing!. <i>Journal of Chemical Ecology</i> , 1999, 25, 1247-1261.	0.9	129
32	Indirect interactions in aphid-parasitoid communities. <i>Researches on Population Ecology</i> , 1999, 41, 93-106.	0.9	92
33	The role of plant chemical cues in determining host preference in the generalist aphid parasitoid <i>Aphidius colemani</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2000, 97, 41-46.	0.7	165
34	A NO-CHOICE WIND TUNNEL OLFACTOMETER SYSTEM FOR EVALUATING THE ATTRACTIVENESS OF PLANT VOLATILES TO ADULT <i>HELICOVERPA ARMIGERA</i> (HÄœBNER) (LEPIDOPTERA:NOCTUIDAE). <i>Insect Science</i> , 2000, 7, 257-264.	1.5	0
35	Within-patch search flights by <i>Pachyneuron aphidis</i> (Hym., Pteromalidae): a potential strategy to compensate reduced foraging speed by foot. <i>Journal of Applied Entomology</i> , 2001, 125, 309-312.	0.8	3
36	Title is missing!. <i>Journal of Insect Behavior</i> , 2001, 14, 363-371.	0.4	8

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37	Title is missing!. Journal of Insect Behavior, 2001, 14, 557-572.	0.4	12
38	Aphid parasitoids detect that an alien plant was present nearby during their development. Physiological Entomology, 2002, 27, 199-205.	0.6	17
39	Patch and prey utilization behaviors by <i>Aphelinus albipodus</i> and <i>Diaeretiella rapae</i> (Hymenoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 24, 183-191.	1.4	17
40	Behavioural differences between <i>Aphidius ervi</i> populations from two tritrophic systems are due to phenotypic plasticity. Entomologia Experimentalis Et Applicata, 2002, 104, 321-328.	0.7	39
41	Differential attractiveness of induced odors emitted by eight maize varieties for the parasitoid <i>cotesia marginiventris</i> : is quality or quantity important?. Journal of Chemical Ecology, 2002, 28, 951-968.	0.9	164
42	Dietary specialization and infochemical use in carnivorous arthropods: testing a concept. Entomologia Experimentalis Et Applicata, 2003, 108, 133-148.	0.7	197
43	A maternal influence on the conditioning to plant cues of <i>Aphidius colemani</i> Viereck, parasitizing the aphid <i>Myzus persicae</i> Sulzer. Physiological Entomology, 2003, 28, 108-113.	0.6	29
44	Preimaginal learning determines adult response to chemical stimuli in a parasitic wasp. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 2623-2629.	1.2	112
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47	Occurrence and parasitism of aphids (Hemiptera: Aphididae) on cultivars of irrigated oat (<i>Avena</i> spp.) in SÃ£o Carlos, Brazil. Brazilian Archives of Biology and Technology, 2004, 47, 163-169.	0.5	8
48	The influence of cultivar and cultivar-aphid odours on the olfactory response of the parasitoid <i>Aphidius colemani</i> . Journal of Applied Entomology, 2004, 128, 120-125.	0.8	31
49	Olfactory response of two aphid parasitoids, <i>Lysiphlebus testaceipes</i> and <i>Aphidius colemani</i> , to aphid-infested plants from a distance. Entomologia Experimentalis Et Applicata, 2004, 110, 159-164.	0.7	30
50	Comparison of the olfactory sensitivity of two sympatric steppe grasshopper species (Orthoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 1.3 8	1.3	8
51	The Role of Honeydew in Host Searching of Aphid Hyperparasitoids. Journal of Chemical Ecology, 2004, 30, 273-285.	0.9	27
52	Attractiveness of tobacco volatiles induced by <i>Heli-overpa armigera</i> and <i>Heli-overpa assulta</i> to <i>Campoplex chloridae</i> . Science Bulletin, 2005, 50, 1334.	1.7	21
53	Foraging behaviour at the fourth trophic level: a comparative study of host location in aphid hyperparasitoids. Entomologia Experimentalis Et Applicata, 2005, 114, 107-117.	0.7	42
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55	Similar attractiveness of maize volatiles induced by <i>Helicoverpa armigera</i> and <i>Pseudaletia separata</i> to the generalist parasitoid <i>Campoletis chloridae</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2006, 118, 87-96.	0.7	39
56	Behavioural responses of the aphid parasitoid <i>Diaeretiella rapae</i> to volatiles from <i>Arabidopsis thaliana</i> induced by <i>Myzus persicae</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2006, 120, 1-9.	0.7	57
57	Electrophysiological and Behavioral Responses of a Parasitic Wasp to Plant Volatiles Induced by Two Leaf Miner Species. <i>Chemical Senses</i> , 2006, 31, 467-477.	1.1	59
58	Dietary complementation across life stages in the polyphagous lady beetle <i>Coleomegilla maculata</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2008, 126, 40-45.	0.7	23
59	Attraction to Herbivore-induced Plant Volatiles by the Host-foraging Parasitoid Fly <i>Exorista japonica</i> . <i>Journal of Chemical Ecology</i> , 2008, 34, 614-621.	0.9	25
60	Comparative Innate Responses of the Aphid Parasitoid <i>Diaeretiella rapae</i> to Alkenyl Glucosinolate Derived Isothiocyanates, Nitriles, and Epithionitriles. <i>Journal of Chemical Ecology</i> , 2008, 34, 1302-1310.	0.9	41
61	Host specialization in habitat specialists and generalists. <i>Oecologia</i> , 2008, 156, 905-912.	0.9	61
62	Plant characteristics mediated by growing conditions can impact parasitoid's ability to attack host aphids in winter canola. <i>Journal of Pest Science</i> , 2009, 82, 335-342.	1.9	33
63	Relationships of Natural Enemies and Non-Prey Foods. , 2009, , .		235
64	Learning is involved in the response of parasitic wasps <i>Aphidius ervi</i> (Hymenoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Acyrthosiphon pisum (Harris) (Homoptera: Aphididae). <i>Applied Entomology and Zoology</i> , 2009, 44, 23-28.	0.6	23
65	Lack of sequential radiation in a parasitoid of a host-associated aphid. <i>Entomologia Experimentalis Et Applicata</i> , 2011, 139, 154-160.	0.7	10
66	Different uses of plant semiochemicals in host location strategies of the two tachinid parasitoids. <i>Die Naturwissenschaften</i> , 2012, 99, 687-694.	0.6	11
67	Effects of organic and conventional fertilizer treatments on host selection by the aphid parasitoid <i>Diaeretiella rapae</i> . <i>Journal of Applied Entomology</i> , 2012, 136, 445-455.	0.8	19
68	Effects of learning experience on behaviour of the generalist parasitoid <i>Sclerodermus pupariae</i> to novel hosts. <i>Journal of Applied Entomology</i> , 2013, 137, 469-475.	0.8	17
69	Attract and reward™: Combining a herbivore-induced plant volatile with floral resource supplementation Multi-trophic level effects. <i>Biological Control</i> , 2013, 64, 106-115.	1.4	48
70	Comparative susceptibility to hyperparasitism of <i>Binodoxys communis</i> and <i>Aphidius colemani</i> , primary aphid parasitoids introduced to Hawaii. <i>Biological Control</i> , 2013, 65, 286-292.	1.4	11
71	Does rearing an aphid parasitoid on one host affect its ability to parasitize another species?. <i>Agricultural and Forest Entomology</i> , 2013, 15, 366-374.	0.7	5
72	Factors influencing egg parasitism in sub-social insects: insights from the treehopper <i>Alchisme grossa</i> (Hemiptera, Auchenorrhyncha, Membracidae). <i>Ecological Entomology</i> , 2014, 39, 58-65.	1.1	9

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74	An Attractant of the Aphidophagous Gall Midge <i>Aphidoletes aphidimyza</i> From Honeydew of <i>Aphis gossypii</i> . <i>Journal of Chemical Ecology</i> , 2016, 42, 149-155.	0.9	17
75	Early adult learning affects host preferences in the tephritid parasitoid <i>Psytalia concolor</i> (Hymenoptera: Braconidae). <i>Journal of Pest Science</i> , 2016, 89, 529-537.	1.9	15
76	Aphid parasitoid generalism: development, assessment, and implications for biocontrol. <i>Journal of Pest Science</i> , 2016, 89, 7-20.	1.9	28
77	The carabid <i>Pterostichus melanarius</i> uses chemical cues for opportunistic predation and saprophagy but not for finding healthy prey. <i>BioControl</i> , 2017, 62, 741-747.	0.9	14
78	Food web structure of aphids and their parasitoids in Belgian fruit agroecosystems. <i>Entomological Science</i> , 2018, 21, 279-291.	0.3	7
79	Ecological specialization in <i>Diaeretiella rapae</i> (Hymenoptera: Braconidae: Aphidiinae) on aphid species from wild and cultivated plants. <i>Bulletin of Entomological Research</i> , 2018, 108, 175-184.	0.5	11
80	Cultivar-specific plant odour preferences of a generalist aphid parasitoid <i>Aphidius colemani</i> and a possible mechanism for maternal priming of resistance to toxic plant chemistry. <i>Physiological Entomology</i> , 2019, 44, 1-10.	0.6	2
81	Herbivore-induced plant volatiles enhance field-level parasitism of the mirid bug <i>Apolygus lucorum</i> . <i>Biological Control</i> , 2019, 135, 41-47.	1.4	17
82	Genotypic Variation and Phenotypic Plasticity in Gene Expression and Emissions of Herbivore-Induced Volatiles, and their Potential Tritrophic Implications, in Cranberries. <i>Journal of Chemical Ecology</i> , 2019, 45, 298-312.	0.9	20
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87	Impact of water-deficit stress on tritrophic interactions in a wheat-aphid-parasitoid system. <i>PLoS ONE</i> , 2017, 12, e0186599.	1.1	20
88	Tritrophic interactions between cereals, aphids and parasitoids: Discrimination of different plant-host complexes by <i>Aphidius rhopalosiphi</i> (Hymenoptera: Aphidiidae). <i>European Journal of Entomology</i> , 2000, 97, 539-543.	1.2	14
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91	Principles of IPM. , 1996, , 69-166.		0
92	Fatty Acids. , 1998, , 16-41.		0
93	Chemical Cues From Honeydew and Cuticular Extracts of <i>Trialeurodes Vaporariorum</i> Serve as Kairomones for The Parasitoid <i>Encarsia Formosa</i> . <i>Journal of Chemical Ecology</i> , 2022, 48, 370-383.	0.9	8
94	Aphidá€parasitoids trophic relationship in a cereal crop succession system: Population oscillation and food webs. <i>Agricultural and Forest Entomology</i> , 0, , .	0.7	4
96	Host instars preference, density-dependent parasitism and behavioral perspective of parasitoids (<i>Aphidius colemani</i> , <i>Aphidius matricariae</i> and <i>Aphelinus abdominalis</i>) in <i>Aphis glycines</i> and <i>Aphis gossypii</i> . <i>Revista Brasileira De Entomologia</i> , 2022, 66, .	0.1	1
99	Functional analysis of odorant-binding proteins for the parasitic host location to implicate convergent evolution between the grain aphid and its parasitoid <i>Aphidius gifuensis</i> . <i>International Journal of Biological Macromolecules</i> , 2023, 226, 510-524.	3.6	5
100	Clever pest control? The role of cognition in biological pest regulation. <i>Animal Cognition</i> , 2023, 26, 189-197.	0.9	3