Sex Pheromones and Their Impact on Pest Managemen

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Citation Report

#	Article	IF	CITATIONS
2	Sex-specific odorant receptors of the tobacco hornworm Manduca sexta. Frontiers in Cellular Neuroscience, 2010, 4, .	1.8	38
3	Biological invasion of European tomato crops by Tuta absoluta: ecology, geographic expansion and prospects for biological control. Journal of Pest Science, 2010, 83, 197-215.	1.9	703
4	Trail Pheromone Disruption of Red Imported Fire Ant. Journal of Chemical Ecology, 2010, 36, 744-750.	0.9	18
5	Pheromone-based Mating and Aggregation in the Sorghum Chafer, Pachnoda interrupta. Journal of Chemical Ecology, 2010, 36, 768-777.	0.9	11
6	Darcin: a male pheromone that stimulates female memory and sexual attraction to an individual male's odour. BMC Biology, 2010, 8, 75.	1.7	281
7	Coding and interaction of sex pheromone and plant volatile signals in the antennal lobe of the codling moth <i>Cydia pomonella</i> . Journal of Experimental Biology, 2010, 213, 4291-4303.	0.8	64
8	Flight tunnel response of codling moth Cydia pomonella to blends of codlemone, codlemone antagonists and pear ester. Physiological Entomology, 2010, 35, 249-254.	0.6	14
9	Chemical Ecology and Management of Lobesia botrana (Lepidoptera: Tortricidae). Journal of Economic Entomology, 2011, 104, 1125-1137.	0.8	140
10	Comparison of volatile blends and gene sequences of two isolates of <i>Metarhizium anisopliae</i> of different virulence and repellency toward the termite <i>Macrotermes michaelseni</i> . Journal of Experimental Biology, 2011, 214, 956-962.	0.8	39
11	Delayed mating and reproduction in the autumn gum moth Mnesampela privata. Agricultural and Forest Entomology, 2011, 13, 341-347.	0.7	12
12	Effect of sex pheromone emission on the attraction of Lobesia botrana. Entomologia Experimentalis Et Applicata, 2011, 139, 250-257.	0.7	9
13	Evolutionary principles and their practical application. Evolutionary Applications, 2011, 4, 159-183.	1.5	230
14	Mating disruption for control of Plodia interpunctella (Hübner) (Lepidoptera: Pyralidae) in dried beans. Journal of Stored Products Research, 2011, 47, 216-221.	1.2	21
15	Monitoring spatiotemporal variation in abundance and dispersal by a pheromone-kairomone system in the threatened saproxylic beetles Osmoderma eremita and Elater ferrugineus. Journal of Insect Conservation, 2011, 15, 891-902.	0.8	32
16	Argentine Ant Trail Pheromone Disruption is Mediated by Trail Concentration. Journal of Chemical Ecology, 2011, 37, 1143-1149.	0.9	18
17	Attraction and Oviposition of Tuta absoluta Females in Response to Tomato Leaf Volatiles. Journal of Chemical Ecology, 2011, 37, 565-574.	0.9	110
18	Signal Honesty through Differential Quantity in the Female-Produced Sex Pheromone of the Moth Heliothis virescens. Journal of Chemical Ecology, 2011, 37, 717-723.	0.9	28
19	Efficient Mass Trapping: Catching the Pest, Calliphora vicina, (Diptera, Calliphoridae), of Norwegian Stockfish Production. Journal of Chemical Ecology, 2011, 37, 924-931.	0.9	24

#	Article	IF	CITATIONS
20	Evaluation and modeling of synergy to pheromone and plant kairomone in American palm weevil. Chemistry Central Journal, 2011, 5, 14.	2.6	9
21	An Expressed Sequence Tag collection from the male antennae of the Noctuid moth Spodoptera littoralis: a resource for olfactory and pheromone detection research. BMC Genomics, 2011, 12, 86.	1.2	145
22	Combined use of a synthetic trail pheromone and insecticidal bait provides effective control of an invasive ant. Pest Management Science, 2011, 67, 1230-1236.	1.7	33
23	Development of semiochemical attractants for monitoring bean seed beetle, <i>Bruchus rufimanus</i> . Pest Management Science, 2011, 67, 1303-1308.	1.7	32
24	First Microsatellites from <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae) and Their Potential use for Population Genetics. Annals of the Entomological Society of America, 2011, 104, 576-587.	1.3	18
25	Evaluation of Mass Trapping and Mating Disruption for Managing Prionus californicus (Coleoptera:) Tj ETQq1 1 (0.784314	rgBT_/Overloc
26	Fast Direct Injection Mass-Spectrometric Characterization of Stimuli for Insect Electrophysiology by Proton Transfer Reaction-Time of Flight Mass-Spectrometry (PTR-ToF-MS). Sensors, 2012, 12, 4091-4104.	2.1	10
27	Laparoscopic partial nephrectomy: The McMaster University experience. Canadian Urological Association Journal, 2012, 6, 233-237.	0.3	3
28	Combining Tactics to Exploit Allee Effects for Eradication of Alien Insect Populations. Journal of Economic Entomology, 2012, 105, 1-13.	0.8	83
29	Mating disruption by a synthetic sex pheromone in the white grub beetle <i>Dasylepida ishigakiensis</i> (Coleoptera: Scarabaeidae) in the laboratory and sugarcane fields. Bulletin of Entomological Research, 2012, 102, 157-164.	0.5	11
30	Attraction of the Gypsy Moth to Volatile Organic Compounds (VOCs) of Damaged Dahurian Larch. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2012, 67, 437-444.	0.6	4
31	Insecticides Mode of Action in Relation to Their Toxicity to Non-Target Organisms. , 0, s4, .		48
32	C. P. Alexander review. Canadian Entomologist, 2012, 144, 379-395.	0.4	21
33	Potential of Biopesticides in Sustainable Agriculture. , 2012, , 529-595.		8
34	Exclusion netting may alter reproduction of the codling moth (<i><scp>C</scp>ydia pomonella</i>) and prevent associated fruit damage to apple orchards. Entomologia Experimentalis Et Applicata, 2012, 145, 134-142.	0.7	54
35	Comparison of pheromone lures used in mass trapping to control the tomato leafminer <scp><i>T</i></scp> <i>uta absoluta</i> (<scp>M</scp> eyrick, 1917) in industrial tomato crops in <scp>K</scp> airouan (<scp>T</scp> unisia). EPPO Bulletin, 2012, 42, 241-248.	0.6	19
36	Homogeneous Photocatalytic Reactions with Organometallic and Coordination Compounds—Perspectives for Sustainable Chemistry. ChemSusChem, 2012, 5, 352-371.	3.6	119
37	Toward improved conservation management: a consideration of sensory ecology. Biodiversity and Conservation, 2012, 21, 3277-3286.	1.2	25

#	Article	IF	CITATIONS
38	Impact of a long-term mating-disruption management in crops on non-target insects in the surrounding area. Journal of Insect Conservation, 2012, 16, 757-762.	0.8	6
39	Stereoisomeric Separation of Derivatized 2-alkanols Using Gas Chromatography-Mass Spectrometry: Sex Pheromone Precursors Found in Pine Sawfly Species. Analytical Letters, 2012, 45, 1016-1027.	1.0	4
40	Aphid alarm pheromone: An overview of current knowledge on biosynthesis and functions. Insect Biochemistry and Molecular Biology, 2012, 42, 155-163.	1.2	112
41	Towards Integrated Pest Management in Red Clover Seed Production. Journal of Economic Entomology, 2012, 105, 1620-1628.	0.8	22
42	Monitoring Codling Moth (Lepidoptera: Tortricidae) in Sex Pheromone-Treated Orchards With (<l>E</l>)-4,8-Dimethyl-1,3,7-Nonatriene or Pear Ester in Combination With Codlemone and Acetic Acid. Environmental Entomology, 2012, 41, 407-414.	0.7	22
43	Communication disruption of light brown apple moth (Epiphyas postvittana) using a four-component sex pheromone blend. Crop Protection, 2012, 42, 327-333.	1.0	9
44	Identification and Field Bioassay of the Sex Pheromone of <i>Trichophysetis cretacea</i> (Lepidoptera:) Tj ETQqO	0.0 rgBT / 0.8	Oyerlock 10
45	Arthropod Management in Vineyards:. , 2012, , .		38
46	Using blends of cerambycid beetle pheromones and host plant volatiles to simultaneously attract a diversity of cerambycid species. Canadian Journal of Forest Research, 2012, 42, 1050-1059.	0.8	86
47	Exploitation of Insect Vibrational Signals Reveals a New Method of Pest Management. PLoS ONE, 2012, 7, e32954.	1.1	84
48	Small Cages with Insect Couples Provide a Simple Method for a Preliminary Assessment of Mating Disruption. Scientific World Journal, The, 2012, 2012, 1-8.	0.8	2
49	Development of singleâ€dispenser pheromone suppression of <i>Epiphyas postvittana, Planotortrix octo</i> and <i>Ctenopseustis obliquana</i> in New Zealand stone fruit orchards. Pest Management Science, 2012, 68, 928-934.	1.7	16
50	Ascaroside Signaling Is Widely Conserved among Nematodes. Current Biology, 2012, 22, 772-780.	1.8	177
51	Vineyard IPM in a Changing World: Adapting to New Pests, Tactics, and Challenges. , 2012, , 475-484.		4
52	Grape Berry Moths in Western European Vineyards and Their Recent Movement into the New World. , 2012, , 339-359.		32
53	Blending Synthetic Pheromones of Cerambycid Beetles to Develop Trap Lures That Simultaneously Attract Multiple Species. Journal of Economic Entomology, 2012, 105, 906-915.	0.8	38
54	"This is not an Appleâ€â€"Yeast Mutualism in Codling Moth. Journal of Chemical Ecology, 2012, 38, 949-957.	0.9	91
55	Exploiting intraspecific competitive mechanisms to control invasive cane toads (<i>Rhinella) Tj ETQq1 1 0.784314</i>	l rg₿T /Ov	erlock 10 Tr

#	Article	IF	CITATIONS
56	Chemical ecology and insect conservation: optimising pheromone-based monitoring of the threatened saproxylic click beetle Elater ferrugineus. Journal of Insect Conservation, 2012, 16, 549-555.	0.8	20
57	Novel Bioassay Demonstrates Attraction of the White Potato Cyst Nematode Globodera Pallida (Stone) to Non-volatile and Volatile Host Plant Cues. Journal of Chemical Ecology, 2012, 38, 795-801.	0.9	37
58	From IBM to IPM: Using individual-based models to design the spatial arrangement of traps and crops in integrated pest management strategies. Agriculture, Ecosystems and Environment, 2012, 146, 52-59.	2.5	28
59	Host selection by the wheat stem sawfly in winter wheat and the role of semiochemicals mediating oviposition preference. Entomologia Experimentalis Et Applicata, 2012, 143, 138-147.	0.7	14
60	Attraction of the tea aphid, <i><scp>T</scp>oxoptera aurantii</i> , to combinations of volatiles and colors related to tea plants. Entomologia Experimentalis Et Applicata, 2012, 144, 258-269.	0.7	32
61	Functional characterization of a sex pheromone receptor in the pest moth <i>Spodoptera littoralis</i> by heterologous expression in <i>Drosophila</i> . European Journal of Neuroscience, 2012, 36, 2588-2596.	1.2	86
62	Asymmetric Synthesis of Both Enantiomers of Disparlure. Chinese Journal of Chemistry, 2012, 30, 23-28.	2.6	14
63	Mating Disruption of Guatemalan Potato Moth Tecia Solanivora by Attractive and Non-Attractive Pheromone Blends. Journal of Chemical Ecology, 2012, 38, 63-70.	0.9	11
64	The Chemical Ecology of Cecidomyiid Midges (Diptera: Cecidomyiidae). Journal of Chemical Ecology, 2012, 38, 2-22.	0.9	56
65	Reduced Mating Success of Female Tortricid Moths Following Intense Pheromone Auto-Exposure Varies with Sophistication of Mating System. Journal of Chemical Ecology, 2012, 38, 168-175.	0.9	22
66	Combining Mutualistic Yeast and Pathogenic Virus — A Novel Method for Codling Moth Control. Journal of Chemical Ecology, 2013, 39, 1019-1026.	0.9	25
67	On-site airborne pheromone sensing. Analytical and Bioanalytical Chemistry, 2013, 405, 6389-6403.	1.9	12
68	Field bioassays of cerambycid pheromones reveal widespread parsimony of pheromone structures, enhancement by host plant volatiles, and antagonism by components from heterospecifics. Chemoecology, 2013, 23, 21-44.	0.6	115
69	A portable gas chromatograph with simultaneous detection by mass spectrometry and electroantennography for the highly sensitive in situ measurement of volatiles. Analytical and Bioanalytical Chemistry, 2013, 405, 7457-7467.	1.9	15
70	Mating disruption of the carpenter moth, Cossus insularis (Staudinger) (Lepidoptera: Cossidae) with synthetic sex pheromone in Japanese pear orchards. Journal of Asia-Pacific Entomology, 2013, 16, 251-255.	0.4	6
71	Fatal attraction: sexually cannibalistic invaders attract naive native mantids. Biology Letters, 2013, 9, 20130746.	1.0	28
72	Pheromonal control of the invasive brown treesnake: potency of female sexual attractiveness pheromone varies with ovarian state. International Journal of Pest Management, 2013, 59, 141-149.	0.9	13
73	Identification of genes expressed in the sex pheromone gland of the black cutworm Agrotis ipsilon with putative roles in sex pheromone biosynthesis and transport. BMC Genomics, 2013, 14, 636.	1.2	111

#	Article	IF	CITATIONS
74	Irregular Terpenoids as Mealybug and Scale Pheromones: Chemistry and Applications. ACS Symposium Series, 2013, , 125-143.	0.5	1
75	Volatile Natural Products for Monitoring the California Tree Nut Insect Pest <i>Amyelois transitella</i> . ACS Symposium Series, 2013, , 59-72.	0.5	3
76	When mating disruption does not disrupt mating: fitness consequences of delayed mating in moths. Entomologia Experimentalis Et Applicata, 2013, 146, 50-65.	0.7	38
77	Improving the Efficiency of Lepidopteran Pest Detection and Surveillance: Constraints and Opportunities for Multiple-Species Trapping. Journal of Chemical Ecology, 2013, 39, 50-58.	0.9	29
78	Influence of lure (food/sex pheromone) on young mated cigarette beetle (Lasioderma serricorne (F.)) (Coleoptera: Anobiidae) flight initiation. Journal of Stored Products Research, 2013, 53, 15-18.	1.2	4
79	Sex pheromone recognition and immunolocalization of three pheromone binding proteins in the black cutworm moth Agrotis ipsilon. Insect Biochemistry and Molecular Biology, 2013, 43, 237-251.	1.2	105
80	Assessment of synthetic chemicals for disruption of Rhynchophorus ferrugineus response to attractant-baited traps in an urban environment. Phytoparasitica, 2013, 41, 79-88.	0.6	32
81	Fruit aromas in mature fleshy fruits as signals of readiness for predation and seed dispersal. New Phytologist, 2013, 197, 36-48.	3.5	126
82	Reduction in the attraction of males to females after mating in the rice leaf bug <i><scp>T</scp>rigonotylus caelestialium</i> . Entomological Science, 2013, 16, 60-65.	0.3	4
85	Wireworms' Management: An Overview of the Existing Methods, with Particular Regards to Agriotes spp. (Coleoptera: Elateridae). Insects, 2013, 4, 117-152.	1.0	72
86	Neural coding merges sex and habitat chemosensory signals in an insect herbivore. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130267.	1.2	56
87	Identification of Sex Pheromone Components of Blueberry Spanworm Itame argillacearia (Lepidoptera:) Tj ETQq1	10,78431	4 _I gBT /Ove
88	Communication Disruption of Guava Moth (Coscinoptycha improbana) Using a Pheromone Analog Based on Chain Length. Journal of Chemical Ecology, 2013, 39, 1161-1168.	0.9	4
89	Efficacy of attractâ€endâ€kill devices for the control of <i>Ceratitis capitata</i> . Pest Management Science, 2013, 69, 478-482.	1.7	61
90	Pheromones and attractants of click beetles: an overview. Journal of Pest Science, 2013, 86, 3-17.	1.9	48
91	Efficient Management of Fruit Pests by Pheromone Nanogels. Scientific Reports, 2013, 3, 1294.	1.6	112
92	Pest control in postharvest nuts. , 2013, , 56-87.		7
93	Monitoring oak processionary moth <i>Thaumetopoea processionea</i> L. using pheromone traps: the influence of pheromone lure source, trap design and height above the ground on capture rates. Agricultural and Forest Entomology, 2013, 15, 126-134.	0.7	20

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#	Article	IF	CITATIONS
94	Research on the practical parameters of sex pheromone traps for the oriental fruit moth. Pest Management Science, 2013, 69, 1181-1186.	1.7	13
95	An approach to sense pheromone concentration by preâ€concentration and gas sensors. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 932-937.	0.8	5
96	A moth pheromone brewery: production of (Z)-11-hexadecenol by heterologous co-expression of two biosynthetic genes from a noctuid moth in a yeast cell factory. Microbial Cell Factories, 2013, 12, 125.	1.9	42
97	PHEROMONES FOR MONITORING AND CONTROL OF HORTICULTURAL PESTS: APPLICATIONS FOR WOODY ORNAMENTALS. Acta Horticulturae, 2013, , 39-46.	0.1	1
98	Effects of Delayed Mating and Access to Water on Oviposition and Longevity in Female Amyelois transitella. International Journal of Insect Science, 2014, 6, IJIS.S20688.	1.7	3
99	Geographic Variation in Sexual Attraction of Spodoptera frugiperda Corn- and Rice-Strain Males to Pheromone Lures. PLoS ONE, 2014, 9, e89255.	1.1	79
100	Crepuscular Flight Activity of an Invasive Insect Governed by Interacting Abiotic Factors. PLoS ONE, 2014, 9, e105945.	1.1	32
101	First Evidence of a Volatile Sex Pheromone in Lady Beetles. PLoS ONE, 2014, 9, e115011.	1.1	26
102	Synthetic blends of volatile, phytopathogen-induced odorants can be used to manipulate vector behavior. Frontiers in Ecology and Evolution, 2014, 2, .	1.1	35
104	Pesticides, Food Safety and Integrated Pest Management. , 2014, , 167-199.		11
106	Propensity of Three Tunisian Populations of the Tomato Leafminer <i>Tuta absoluta</i> (Lepidoptera:) Tj ETQq0 0	0 rgBT /C	verlock 10 Tf
107	Effect of Increased Male and Female Age at Mating on the Reproductive Performance of <l>Cnaphalocrocis medinalis</l> (Crambidae: Lepidoptera). Journal of Economic Entomology, 2014, 107, 1434-1439.	0.8	20
108	The Effect of Male and Female Age on <l>Lymantria dispar</l> (Lepidoptera: Lymantriidae) Fecundity. Journal of Economic Entomology, 2014, 107, 1076-1083.	0.8	6
109	Sex-specific triacylglycerides are widely conserved in Drosophila and mediate mating behavior. ELife, 2014, 3, e01751.	2.8	44
110	Mass trapping wild <i>Agriotes obscurus</i> and <i>Agriotes lineatus</i> males with pheromone traps in a permanent grassland population reservoir. Agricultural and Forest Entomology, 2014, 16, 227-239.	0.7	24
111	Development of a female attractant for the click beetle pest <i>Agriotes brevis</i> . Pest Management Science, 2014, 70, 610-614.	1.7	12
112	<i><scp>S</scp>irex noctilio</i> flight behavior: toward improving current monitoring techniques. Entomologia Experimentalis Et Applicata, 2014, 152, 135-140.	0.7	17

	Orientation of colonized sand fliesPhlebotomus papatasi, P. duboscqi, andLutzomyia		
113	longipalpis(Diptera: Psychodidae) to diverse honeys using a 3-chamber in-line olfactometer. Journal of	0.5	3
	Vector Ecology, 2014, 39, 94-102.		

#	Article	IF	CITATIONS
114	Questing activity in bed bug populations: male and female responses to host signals. Physiological Entomology, 2014, 39, 199-207.	0.6	28
115	Mating disruption of <i><scp>L</scp>asioderma serricorne</i> (<scp>C</scp> oleoptera:) Tj ETQq1 1 0.784314 of Applied Entomology, 2014, 138, 378-386.	rgBT /Over 0.8	lock 10 Tf 5 16
116	Antennal and behavioral responses of female <i><scp>M</scp>aruca vitrata</i> to the floral volatiles of <i><scp>V</scp>igna unguiculata</i> and <i><scp>L</scp>ablab purpureus</i> . Entomologia Experimentalis Et Applicata, 2014, 152, 248-257.	0.7	19
117	Toward the Identification of the Sex Pheromone of Diatraea indigenella Dyar & Heinrich (Lepidoptera:) Tj ETQq1 2014, 43, 526-531.	l 0.784314 0.5	1 rgBT /Ovei 3
118	Managing the white grub beetle Dasylepida ishigakiensis (Coleoptera: Scarabaeidae) in sugarcane fields on Miyako Island, Japan, using sex attractant pheromone: effects of mating delay on the reproductive ability of laboratory-reared and field-collected females. International Journal of Tropical Insect Science, 2014, 34, 32-40.	0.4	4
119	Sex-Pheromone-Mediated Mating Disruption Technology for the Oriental Fruit Moth, <i>Grapholita molesta</i> (Busck) (Lepidoptera: Tortricidae): Overview and Prospects. Psyche: Journal of Entomology, 2014, 2014, 1-8.	0.4	22
120	Female Moth Calling and Flight Behavior Are Altered Hours Following Pheromone Autodetection: Possible Implications for Practical Management with Mating Disruption. Insects, 2014, 5, 459-473.	1.0	29
121	Demonstration and Characterization of a Persistent Pheromone Lure for the Navel Orangeworm, Amyelois transitella (Lepidoptera: Pyralidae). Insects, 2014, 5, 596-608.	1.0	17
122	Intraspecific Variation in Female Sex Pheromone of the Codling Moth Cydia pomonella. Insects, 2014, 5, 705-721.	1.0	17
123	Perching Mate-Locating Strategy in <i>Paysandisia archon</i> (Lepidoptera: Castniidae): Behavioral and Morpho-Physiological Investigations. Journal of Economic Entomology, 2014, 107, 1009-1021.	0.8	9
124	Role of Semiochemicals in Integrated Pest Management. , 2014, , 93-109.		24
125	Use of Pheromones in Insect Pest Management, with Special Attention to Weevil Pheromones. , 2014, , 141-168.		43
126	Plant odour plumes as mediators of plant–insect interactions. Biological Reviews, 2014, 89, 68-81.	4.7	115
127	Conspecific transmission of insecticidal adhesive powder through mating in the Mediterranean fruit fly, Ceratitis capitata. Journal of Pest Science, 2014, 87, 361-369.	1.9	10
128	Pea plant volatiles guide host location behaviour in the pea moth. Arthropod-Plant Interactions, 2014, 8, 109-122.	0.5	25
129	The effects of mating status and time since mating on female sex pheromone levels in the rice leaf bug, Trigonotylus caelestialium. Die Naturwissenschaften, 2014, 101, 153-156.	0.6	5
130	Vespa velutina: a new invasive predator of honeybees in Europe. Journal of Pest Science, 2014, 87, 1-16.	1.9	231
131	Semiochemical and natural product-based approaches to control Spodoptera spp. (Lepidoptera:) Tj ETQq1 1 0.78	34314 rgB ⁻	Г /Qverlock

#	Article	IF	CITATIONS
132	Attraction of pea moth Cydia nigricana to pea flower volatiles. Phytochemistry, 2014, 100, 66-75.	1.4	14
133	Integrated Pest Management. , 2014, , .		43
134	From integrated pest management to integrated pest eradication: technologies and future needs. Pest Management Science, 2014, 70, 179-189.	1.7	64
135	Combination of the fungus <i><scp>B</scp>eauveria bassiana</i> and pheromone in an attractâ€andâ€kill strategy against the banana weevil, <i><scp>C</scp>osmopolites sordidus</i> . Entomologia Experimentalis Et Applicata, 2014, 151, 75-85.	0.7	25
136	The roles of kairomones, synomones and pheromones in the chemically-mediated behaviour of male mosquitoes. Acta Tropica, 2014, 132, S26-S34.	0.9	55
137	Wheat bulb fly, <i><scp>D</scp>elia coarctata</i> , larval attraction to phenolic components of hostâ€plant root exudates. Entomologia Experimentalis Et Applicata, 2014, 150, 166-173.	0.7	4
138	Female attraction to male scent and associative learning: the house mouse as a mammalian model. Animal Behaviour, 2014, 97, 313-321.	0.8	38
139	Mating disruption of pea moth (<i><scp>C</scp>ydia nigricana</i>) in organic peas (<i><scp>P</scp>isum sativum</i>). Entomologia Experimentalis Et Applicata, 2014, 150, 199-207.	0.7	7
140	Response profile of pheromone receptor neurons in male Grapholita molesta (Lepidoptera:) Tj ETQq0 0 0 rgBT /0	Overlock 10	0 Tf 50 422 1
141	Bioreplicated visual features of nanofabricated buprestid beetle decoys evoke stereotypical male mating flights. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14106-14111.	3.3	27
142	Using odour traps for population monitoring and dispersal analysis of the threatened saproxylic beetles Osmoderma eremita and Elater ferrugineus in central Italy. Journal of Insect Conservation, 2014, 18, 801-813.	0.8	26
143	Pheromone Research—Still Something to Write Home About. Journal of Chemical Ecology, 2014, 40, 215-215.	0.9	0
144	Efficacy and Mechanisms of Communication Disruption of the Red Clover Casebearer Moth (Coleophora deauratella) with Complete and Partial Pheromone Formulations. Journal of Chemical Ecology, 2014, 40, 577-589.	0.9	7
145	High-accuracy sampling of saproxylic diversity indicators at regional scales with pheromones: The case of Elater ferrugineus (Coleoptera, Elateridae). Biological Conservation, 2014, 171, 156-166.	1.9	26
146	Animal perception in gravel-bed rivers: scales of sensing and environmental controls on sensory information. Canadian Journal of Fisheries and Aquatic Sciences, 2014, 71, 945-957.	0.7	13
147	Seasonality of the common cutworm Spodoptera litura in a soybean ecosystem. Phytoparasitica, 2014, 42, 213-222.	0.6	20
148	Confuser® MM can be used as an attractant to enable monitoring of the peach leafminer moth, Lyonetia clerkella (Lepidoptera: Lyonetiidae), in peach orchards treated with a mating disrupter. Applied Entomology and Zoology, 2014, 49, 505-510.	0.6	1
149	Understanding Heliothine (Lepidoptera: Heliothinae) Pests: What is a Host Plant?. Journal of Economic Entomology, 2014, 107, 881-896.	0.8	157

#	Article	IF	CITATIONS
150	Observation of antennal sensilla in <i>Xylotrechus grayii</i> (Coleoptera: Cerambycidae) with scanning electron microscopy. Microscopy Research and Technique, 2014, 77, 264-273.	1.2	21
151	Further evidence that monochamol is attractive to <i>Monochamus</i> (Coleoptera: Cerambycidae) species, with attraction synergised by host plant volatiles and bark beetle (Coleoptera: Curculionidae) pheromones. Canadian Entomologist, 2015, 147, 564-579.	0.4	39
152	Sex pheromones and semiochemicals offer an elegant future for pest management and biosecurity. Acta Horticulturae, 2015, , 375-382.	0.1	0
153	Identification and comparative expression analysis of odorant binding protein genes in the tobacco cutworm Spodoptera litura. Scientific Reports, 2015, 5, 13800.	1.6	75
154	Feasibility of Mating Disruption for Agricultural Pest Eradication in an Urban Environment: Light Brown Apple Moth (Lepidoptera: Tortricidae) in Perth. Journal of Economic Entomology, 2015, 108, 1930-1935.	0.8	7
155	Chemical cues and pheromones in the sea lamprey (Petromyzon marinus). Frontiers in Zoology, 2015, 12, 32.	0.9	76
156	Attraction and oviposition preferences of Phlebotomus papatasi (Diptera: Psychodidae), vector of Old-World cutaneous leishmaniasis, to larval rearing media. Parasites and Vectors, 2015, 8, 663.	1.0	18
157	Mating disruption of <i>Spilonota ocellana</i> and other apple orchard tortricids using a multispecies reservoir dispenser. Pest Management Science, 2015, 71, 562-570.	1.7	15
158	Geometric isomers of sex pheromone components do not affect attractancy of <i><scp>C</scp>onopomorpha cramerella</i> in cocoa plantations. Journal of Applied Entomology, 2015, 139, 660-668.	0.8	8
159	Mating disruption of <i>Coleophora deauratella</i> (Lepidoptera: Coleophoridae) using laminate flakes in red clover seed production fields. Pest Management Science, 2015, 71, 1149-1157.	1.7	3
160	Integrated Fruit Production and Pest Management in Europe: The Apple Case Study and How Far We Are From the Original Concept?. Insects, 2015, 6, 626-657.	1.0	61
161	Can we replace toxicants, achieve biosecurity, and generate market position with semiochemicals?. Frontiers in Ecology and Evolution, 2015, 3, .	1.1	15
162	Using response surface methods to explore and optimize mating disruption of the leafminer Phyllocnistis citrella (Lepidoptera: Gracillariidae). Frontiers in Ecology and Evolution, 2015, 3, .	1.1	3
163	Flight attraction of Spodoptera littoralis (Lepidoptera, Noctuidae) to cotton headspace and synthetic volatile blends. Frontiers in Ecology and Evolution, 2015, 3, .	1.1	28
164	Forest tent caterpillar, Malacosoma disstria (Lepidoptera: Lasiocampidae), mate-finding behavior is greatest at intermediate population densities: implications for interpretation of moth capture in pheromone-baited traps. Frontiers in Ecology and Evolution, 2015, 3, .	1.1	9
165	Mating Disruption for the 21st Century: Matching Technology With Mechanism. Environmental Entomology, 2015, 44, 427-453.	0.7	127
166	Gut-Associated Bacteria of Dendroctonus valens and their Involvement in Verbenone Production. Microbial Ecology, 2015, 70, 1012-1023.	1.4	91
167	The effect of exposure to synthetic pheromone lures on male Zygaena filipendulae mating behaviour: implications for monitoring species of conservation interest. Journal of Insect Conservation, 2015, 19, 539-546.	0.8	8

	CITATION	N REPORT	
#	ARTICLE Impact of Trap Design and Density on Effectiveness of a Commercial Pheromone Lure for Monitoring	IF	CITATIONS
168	Navel Orangeworm (Lepidoptera: Pyralidae). Journal of Economic Entomology, 2015, 108, 600-610.	0.8	13
169	A network of sex and competition: The promiscuous mating system of an invasive weevil. Environmental Epigenetics, 2015, 61, 85-97.	0.9	30
170	Measurement of volatile plant compounds in field ambient air by thermal desorption–gas chromatography–mass spectrometry. Analytical and Bioanalytical Chemistry, 2015, 407, 9105-9114.	1.9	10
171	Factors Influencing Capture of Invasive Sea Lamprey in Traps Baited With a Synthesized Sex Pheromone Component. Journal of Chemical Ecology, 2015, 41, 913-923.	0.9	30
172	Hybrid Sex Pheromones of the Hibiscus Flower-bud Borer, Rehimena surusalis. Journal of Chemical Ecology, 2015, 41, 1043-1049.	0.9	10
173	The Role of Semiochemicals in Date Pest Management. , 2015, , 315-346.		11
174	Sustainable Pest Management in Date Palm: Current Status and Emerging Challenges. , 2015, , .		30
175	Geranyl hexanoate, the female-produced pheromone of Agriotes sordidus Illiger (Coleoptera:) Tj ETQq1 1 0.7	84314 rgBT /(0.8	Overlock 10 T
176	Challenges of Mating Disruption Using Aerosol-Emitting Pheromone Puffers in Red Clover Seed Production Fields to Control Coleophora deauratella (Lepidoptera: Coleophoridae). Environmental Entomology, 2015, 44, 34-43.	0.7	10
177	Using theories of sexual selection and sexual conflict to improve our understanding of plant ecology and evolution. AoB PLANTS, 2015, 7, .	1.2	46
178	Sexual Behavior of Drosophila suzukii. Insects, 2015, 6, 183-196.	1.0	76
179	Sources of volatiles mediating host location behaviour of Glypta haesitator, a larval parasitoid of Cydia nigricana. Biological Control, 2015, 90, 128-140.	1.4	10
180	Insect pheromones: An overview of function, form, and discovery. Progress in Lipid Research, 2015, 59, 88-105.	5.3	166
181	Periodical and Age-Related Variation in Sexual Communication of the Legume Pod Borer, <i>Maruca vitrata</i> (Lepidoptera: Crambidae). African Entomology, 2015, 23, 101-109.	0.6	3
182	Interference of plant volatiles on pheromone receptor neurons of male Grapholita molesta (Lepidoptera: Tortricidae). Journal of Insect Physiology, 2015, 81, 118-128.	0.9	18
183	Identification of the Aggregation Pheromone of the Date Palm Root Borer Oryctes agamemnon. Journal of Chemical Ecology, 2015, 41, 446-457.	0.9	9
184	Similar worldwide patterns in the sex pheromone signal and response in the oriental fruit moth, <i>Grapholita molesta</i> (Lepidoptera: Tortricidae). Bulletin of Entomological Research, 2015, 105, 23-31.	0.5	16
185	Holistic Approach in Invasive Species Research: The Case of the Tomato Leaf Miner in the Mediterranean Basin. Agroecology and Sustainable Food Systems, 2015, 39, 436-468.	1.0	14

#	Article	IF	CITATIONS
186	Transcriptome and expression profiling analysis link patterns of gene expression to antennal responses in Spodoptera litura. BMC Genomics, 2015, 16, 269.	1.2	34
187	Decrypting Cryptic Click Beetle Species by Analysis of Sex Pheromones. Journal of Chemical Ecology, 2015, 41, 740-745.	0.9	5
188	Seasonal phenology of Tuta absoluta (Lepidoptera: Gelechiidae) in protected and open-field crops under Mediterranean climatic conditions. Phytoparasitica, 2015, 43, 713-724.	0.6	31
189	Spatial analysis of mass trapping: how close is close enough?. Pest Management Science, 2015, 71, 1452-1461.	1.7	34
190	A Review of Biopesticides and Their Mode of Action Against Insect Pests. , 2015, , 49-63.		101
191	Pheromone Reception in Moths. Progress in Molecular Biology and Translational Science, 2015, 130, 109-128.	0.9	81
192	First evidence of acoustic communication in the pear psyllid Cacopsylla pyri L. (Hemiptera: Psyllidae). Journal of Pest Science, 2015, 88, 87-95.	1.9	27
193	What happens when crops are turned on? Simulating constitutive volatiles for tritrophic pest suppression across an agricultural landscape. Pest Management Science, 2015, 71, 139-150.	1.7	18
194	The raison d'être of chemical ecology. Ecology, 2015, 96, 617-630.	1.5	83
195	Evaluation of semiochemicals for their potential application in mass trapping of Frankliniella occidentalis (Pergande) in roses. Crop Protection, 2015, 67, 130-135.	1.0	30
196	Assessing trap and lure effectiveness for the monitoring of <i>Sirex noctilio</i> . Agricultural and Forest Entomology, 2015, 17, 64-70.	0.7	31
197	Determination of Tuta absoluta pheromones in water and tomato samples by headspace–gas chromatography–mass spectrometry. Analytical and Bioanalytical Chemistry, 2015, 407, 795-802.	1.9	3
198	Using Semiochemicals for Coleopterean Pests in Sustainable Plant Protection. , 0, , .		2
199	Semiochemicals. , 2016, , 563-611.		12
200	Neuroethology of Olfactory-Guided Behavior and Its Potential Application in the Control of Harmful Insects. Frontiers in Physiology, 2016, 7, 271.	1.3	42
201	Comparison of fecundity and longevity of <i>Anoplophora malasiaca</i> (Coleoptera: Cerambycidae) adults fed on three different hostâ€plants. Entomological Science, 2016, 19, 201-206.	0.3	8
202	Shortâ€chain alkanes synergise responses of moth pests to their sex pheromones. Pest Management Science, 2016, 72, 870-876.	1.7	3
203	Mating Disruption of a Carpenter Moth, Cossus insularis (Lepidoptera: Cossidae) in Apple Orchards with Synthetic Sex Pheromone, and Registration of the Pheromone as an Agrochemical. Journal of Chemical Ecology, 2016, 42, 606-611.	0.9	13

#	Article	IF	CITATIONS
204	Synthetic pheromones as a management technique – dispensers reduce <i>Linepithema humile</i> activity in a commercial vineyard. Pest Management Science, 2016, 72, 719-724.	1.7	15
205	Variability in the efficacy of sex pheromone lures for monitoring oriental fruit moth (Lepidoptera:) Tj ETQq1 1 0.7	84314 rgE 0.8	3T 10verlock
206	A pear esterâ€based femaleâ€ŧargeted synthetic lure for the chestnut tortrix, <i><scp>C</scp>ydia splendana</i> . Entomologia Experimentalis Et Applicata, 2016, 159, 370-374.	0.7	3
207	A novel bio-engineering approach to generate an eminent surface-functionalized template for selective detection of female sex pheromone of Helicoverpa armigera. Scientific Reports, 2016, 6, 37355.	1.6	22
208	An improved female-targeted semiochemical lure for the European corn borer Ostrinia nubilalis Hbn Acta Phytopathologica Et Entomologica Hungarica, 2016, 51, 247-254.	0.1	11
209	The influence of Canadian research on semiochemical-based management of forest insect pests in Canada. Canadian Entomologist, 2016, 148, S170-S209.	0.4	9
210	Insect-Pests in Dryland Agriculture and their Integrated Management. , 2016, , 143-186.		0
211	Pheromone-Based Monitoring of Spruce Budworm (Lepidoptera: Tortricidae) Larvae in Relation to Trap Position. Journal of Economic Entomology, 2016, 109, 717-723.	0.8	14
212	Using plant volatile traps to estimate the diversity of natural enemy communities in orchard ecosystems. Biological Control, 2016, 102, 66-76.	1.4	5
213	Effects of different animal manures on attraction and reproductive behaviors of common house fly, Musca domestica L. Parasitology Research, 2016, 115, 3585-3598.	0.6	22
214	Disruption of Vector Host Preference with Plant Volatiles May Reduce Spread of Insect-Transmitted Plant Pathogens. Journal of Chemical Ecology, 2016, 42, 357-367.	0.9	29
215	Age-dependent pattern of calling behavior in Atheloca subrufella (Hulst) (Lepidoptera: Phycitidae). Journal of Insect Behavior, 2016, 29, 190-198.	0.4	6
216	Phenyl Propionate and Sex Pheromone for Monitoring Navel Orangeworm (Lepidoptera: Pyralidae) in the Presence of Mating Disruption. Journal of Economic Entomology, 2016, 109, 958-961.	0.8	10
217	The Active Space of Mexican Rice Borer Pheromone Traps. Journal of Chemical Ecology, 2016, 42, 888-895.	0.9	6
218	In vivo real-time monitoring of aphrodisiac pheromone release of small white cabbage butterflies (Pieris rapae). Journal of Insect Physiology, 2016, 91-92, 107-112.	0.9	7
219	Key Residues Involved in the Interaction between <i>Cydia pomonella</i> Pheromone Binding Protein 1 (CpomPBP1) and Codlemone. Journal of Agricultural and Food Chemistry, 2016, 64, 7994-8001.	2.4	31
220	Developing a Bioacoustic Method for Mating Disruption of a Leafhopper Pest in Grapevine. , 2016, , 165-190.		9
221	Mating disruption method against the vine mealybug, <i><scp>P</scp>lanococcus ficus</i> : effect of sequential treatment on infested vines. Entomologia Experimentalis Et Applicata, 2016, 161, 65-69.	0.7	34

#	Article	IF	CITATIONS
222	The Long-Term Effects of Reduced Competitive Ability on Foraging Success of an Invasive Pest Species. Journal of Economic Entomology, 2016, 109, 1628-1635.	0.8	0
223	Communication interference in sympatrically occurring moth species. Entomologia Experimentalis Et Applicata, 2016, 158, 25-33.	0.7	5
224	Insect science – a vulnerable discipline?. Entomologia Experimentalis Et Applicata, 2016, 159, 121-134.	0.7	6
225	Developing Bisexual Attract-and-Kill for Polyphagous Insects: Ecological Rationale versus Pragmatics. Journal of Chemical Ecology, 2016, 42, 666-675.	0.9	27
226	Non-Target Impacts of an Attract-and-Kill Formulation Based on Plant Volatiles: Responses of some Generalist Predators. Journal of Chemical Ecology, 2016, 42, 676-688.	0.9	8
227	Pheromone-Based Pest Management in China: Past, Present, and Future Prospects. Journal of Chemical Ecology, 2016, 42, 557-570.	0.9	32
228	Principles of IPM in Cultivated Crops and Implementation of Innovative Strategies for Sustainable Plant Protection. , 2016, , 9-26.		14
229	Manipulation of Insect Reproductive Systems as a Tool in Pest Control. , 2016, , 93-119.		5
230	The Effect of Plant Within-Species Variation on Aphid Ecology. , 2016, , 162-180.		7
231	Delivering on the Promise of Pheromones. Journal of Chemical Ecology, 2016, 42, 553-556.	0.9	12
232	Advances in Insect Control and Resistance Management. , 2016, , .		10
233	Placement Density and Longevity of Pheromone Traps for Monitoring of the Citrus Leafminer (Lepidoptera: Gracillariidae). Florida Entomologist, 2016, 99, 196-202.	0.2	4
234	Pheromones and Other Semiochemicals for Monitoring Rare and Endangered Species. Journal of Chemical Ecology, 2016, 42, 853-868.	0.9	48
235	Semiochemicals in the Natural History of Southern Pine Beetle Dendroctonus frontalis Zimmermann and Their Role in Pest Management. Advances in Insect Physiology, 2016, 50, 129-193.	1.1	19
236	The Evolution of Aggregation Pheromone Diversity in Bark Beetles. Advances in Insect Physiology, 2016, 50, 195-234.	1.1	23
237	The scent of love: how important are semiochemicals in the sexual behavior of lady beetles?. Journal of Pest Science, 2016, 89, 347-358.	1.9	18
238	Palm Weevil Pheromones – Discovery and Use. Journal of Chemical Ecology, 2016, 42, 617-630.	0.9	31
239	Singleâ€Layered Hybrid Materials Based on 1D Associated Metalorganic Nanoribbons for Controlled Release of Pheromones, Angewandte Chemie - International Edition, 2016, 55, 11026-11030.	7.2	14

#	Article	IF	Citations
240	Discovery and Development of Chemical Attractants Used to Trap Pestiferous Social Wasps (Hymenoptera: Vespidae). Journal of Chemical Ecology, 2016, 42, 655-665.	0.9	30
241	Theory and Application of Semiochemicals in Nuisance Fish Control. Journal of Chemical Ecology, 2016, 42, 698-715.	0.9	31
242	Optimizing the Point-Source Emission Rates and Geometries of Pheromone Mating Disruption Mega-Dispensers. Journal of Chemical Ecology, 2016, 42, 896-907.	0.9	4
243	Sex pheromone recognition and characterization of three pheromone-binding proteins in the legume pod borer, Maruca vitrata Fabricius (Lepidoptera: Crambidae). Scientific Reports, 2016, 6, 34484.	1.6	22
244	Antennal transcriptome and differential expression of olfactory genes in the yellow peach moth, Conogethes punctiferalis (Lepidoptera: Crambidae). Scientific Reports, 2016, 6, 29067.	1.6	50
245	Single‣ayered Hybrid Materials Based on 1D Associated Metalorganic Nanoribbons for Controlled Release of Pheromones. Angewandte Chemie, 2016, 128, 11192-11196.	1.6	4
246	Factors driving growers' selection and implementation of an apple crop protection strategy at the farm level. Crop Protection, 2016, 88, 109-117.	1.0	10
247	First record of Tuta absoluta (Lepidoptera: Gelechiidae) in Uganda. International Journal of Tropical Insect Science, 2016, 36, 135-139.	0.4	14
248	Potential application of digital image-processing method and fitted logistic model to the control of oriental fruit moths (<i>Grapholita molesta</i> Busck). Bulletin of Entomological Research, 2016, 106, 457-463.	0.5	4
249	Female Sex Pheromone in Trails of the Minute Pirate Bug, Orius minutus (L). Journal of Chemical Ecology, 2016, 42, 433-443.	0.9	5
250	The organic vineyard as a balanced ecosystem: Improved organic grape management and impacts on wine quality. Scientia Horticulturae, 2016, 208, 43-56.	1.7	75
252	Plant-Herbivore Interactions in the Era of Big Data. , 2016, , 3-48.		2
253	Learning and Applications of Chemical Signals in Vertebrates for Human–Wildlife Conflict Mitigation. , 2016, , 499-510.		9
254	Automatic moth detection from trap images for pest management. Computers and Electronics in Agriculture, 2016, 123, 17-28.	3.7	250
255	Foraging wireworms are attracted to root-produced volatile aldehydes. Journal of Pest Science, 2017, 90, 69-76.	1.9	26
256	Desiccant dust and the use of CO2 gas as a mobility stimulant for bed bugs: a potential control solution?. Journal of Pest Science, 2017, 90, 249-259.	1.9	14
257	Enhanced yeast feeding following mating facilitates control of the invasive fruit pest <i>Drosophila suzukii</i> . Journal of Applied Ecology, 2017, 54, 170-177.	1.9	73
258	Identification of differentially expressed genes from Trichoderma atroviride strain SS003 in the presence of cell wall of Cronartium ribicola. Genes and Genomics, 2017, 39, 473-484.	0.5	4

#	Article	IF	CITATIONS
260	An Efficient Total Synthesis of (–)â€(<i>R</i>), (+)â€(<i>S</i>)â€Lavandulol Pheromones and Their Derivatives through Proline Catalyzed Asymmetric αâ€Aminooxylation and [3,3] Claisen Rearrangement. ChemistrySelect, 2017, 2, 1262-1266.	0.7	6
261	Electrospun Micro/Nanofibers as Controlled Release Systems for Pheromones of Bactrocera oleae and Prays oleae. Journal of Chemical Ecology, 2017, 43, 254-262.	0.9	29
262	Field evaluation of 3â€hydroxyâ€2â€hexanone and ethanol as attractants for the cerambycid beetle pest of vineyards, <i>Xylotrechus arvicola</i> . Pest Management Science, 2017, 73, 1598-1603.	1.7	6
263	Role of plant volatiles and hetero-specific pheromone components in the wind tunnel response of male <i>Grapholita molesta</i> (Lepidoptera: Tortricidae) to modified sex pheromone blends. Bulletin of Entomological Research, 2017, 107, 573-582.	0.5	9
264	Global range expansion of pest Lepidoptera requires socially acceptable solutions. Biological Invasions, 2017, 19, 1107-1119.	1.2	38
265	Sex pheromone of the jumping plant bug, Halticus minutus Reuter (Hemiptera: Miridae). Journal of Asia-Pacific Entomology, 2017, 20, 319-323.	0.4	4
266	Caterpillar-Induced Plant Volatiles Attract Adult Tortricidae. Journal of Chemical Ecology, 2017, 43, 487-492.	0.9	4
267	Design and deployment of semiochemical traps for capturing Anthonomus rubi Herbst (Coleoptera:) Tj ETQq1 1 0 Protection, 2017, 99, 1-9.	0.784314 r 1.0	gBT /Overlo 9
268	Use of substrate-borne vibrational signals to attract the Brown Marmorated Stink Bug, Halyomorpha halys. Journal of Pest Science, 2017, 90, 1219-1229.	1.9	53
269	Development and optimisation of a sex pheromone lure for monitoring populations of saddle gall midge, <i><scp>H</scp>aplodiplosis marginata</i> . Entomologia Experimentalis Et Applicata, 2017, 163, 82-92.	0.7	8
270	Maximizing Information Yield From Pheromone-Baited Monitoring Traps: Estimating Plume Reach, Trapping Radius, and Absolute Density of <i>Cydia pomonella</i> (Lepidoptera: Tortricidae) in Michigan Apple. Journal of Economic Entomology, 2017, 110, tow258.	0.8	34
271	Optimizing components of pheromone-baited trap for the management of red palm weevil, Rhynchophorus ferrugineus (Coleoptera: Curculionidae) in date palm agro-ecosystem. Journal of Plant Diseases and Protection, 2017, 124, 279-287.	1.6	17
272	Cost–benefit analysis of controlling the spotted wing drosophila (<i>Drosophila suzukii</i>) Tj ETQq0 0 0 rgBT Science, 2017, 73, 2318-2327.	/Overlock 1.7	10 Tf 50 26 32
273	Design of a candidate vibrational signal for mating disruption against the glassyâ€winged sharpshooter, <i>Homalodisca vitripennis</i> . Pest Management Science, 2017, 73, 2328-2333.	1.7	24
274	Line-Trapping of Codling Moth (Lepidoptera: Tortricidae): A Novel Approach to Improving the Precision of Capture Numbers in Traps Monitoring Pest Density. Journal of Economic Entomology, 2017, 110, 1508-1511.	0.8	7
275	Nitrate analogs as attractants for soybean cyst nematode. Bioscience, Biotechnology and Biochemistry, 2017, 81, 1542-1547.	0.6	10
276	Plant Volatiles Increase Sex Pheromone Attraction of Holotrichia parallela (Coleoptera:) Tj ETQq0 0 0 rgBT /Overlo	ck 10 Tf 5	0 102 Td (S

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#	Article	IF	CITATIONS
278	Making the invisible visible: determining an accurate national distribution of <i>Elater ferrugineus</i> in the United Kingdom using pheromones. Insect Conservation and Diversity, 2017, 10, 283-293.	1.4	5
279	Development of kairomone-based lures and traps targeting <i>Spilonota ocellana</i> (Lepidoptera:) Tj ETQq1 1	0.784314 0.4	rgBT /Overlo
280	Male-Produced Aggregation Pheromone of Coffee Bean Weevil, Araecerus fasciculatus. Journal of Chemical Ecology, 2017, 43, 978-985.	0.9	10
281	Eco-Friendly and Industrially Scalable Synthesis of the Sex Pheromone of <i>Lobesia botrana</i> . Important Progress for the Eco-Protection of Vineyard. Organic Process Research and Development, 2017, 21, 1542-1546.	1.3	17
282	Production, identification, and field evaluation of sex pheromone from calling females in Diaphania angustalis (Lepidoptera: Crambidae). Environmental Science and Pollution Research, 2017, 24, 24485-24493.	2.7	8
283	Attractiveness of male azuki bean beetle to the synthetic blends of 2E- and 2Z-homofarnesals. Journal of Asia-Pacific Entomology, 2017, 20, 1183-1189.	0.4	8
284	Degree-day based phenological forecasting model of saddle gall midge (Haplodiplosis marginata) (Diptera: Cecidomyiidae) emergence. Crop Protection, 2017, 102, 154-160.	1.0	3
285	Sublethal Effects of Neonicotinoid Insecticide on Calling Behavior and Pheromone Production of Tortricid Moths. Journal of Chemical Ecology, 2017, 43, 881-890.	0.9	23
286	Biotechnological potential of insect fatty acid-modifying enzymes. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2017, 72, 387-403.	0.6	17
287	Thigmotaxis Mediates Trail Odour Disruption. Scientific Reports, 2017, 7, 1670.	1.6	2
288	Altered sexâ€specific mortality and female mating success: ecological effects and evolutionary responses. Ecosphere, 2017, 8, e01820.	1.0	7
289	Mathematical model for pest–insect control using mating disruption and trapping. Applied Mathematical Modelling, 2017, 52, 437-457.	2.2	26
290	Trapping Pandemis limitata (Lepidoptera: Tortricidae) moths with mixtures of acetic acid, caterpillar-induced apple-leaf volatiles, and sex pheromone. Canadian Entomologist, 2017, 149, 813-822.	0.4	7
291	Editorial overview: Insect pheromones: making sense of a rapidly diversifying field of study. Current Opinion in Insect Science, 2017, 24, vii-ix.	2.2	1
292	Protocol for the evaluation of data concerning the necessity of the application of insecticide†active substances to control a serious danger to plant health which cannot be contained by other available means, including nonâ€chemical methods. EFSA Supporting Publications, 2017, 14, 1201E.	0.3	9
293	Delayed Mating Impacts on the Reproductive Performance ofEctropis obliqua(Lepidoptera:) Tj ETQq1 1 0.7843	14 rgBT /Ov	verlock 10 Ti
294	Chemical Composition of Female Sexual Glands of <i>Spodoptera frugiperda</i> Corn and Rice Strains from Tolima, Colombia. Southwestern Entomologist, 2017, 42, 375-394.	0.1	5
295	Optimization of Pheromone Traps for Coryphodema tristis (Lepidoptera: Cossidae). Journal of Economic Entomology, 2017, 110, 1603-1610.	0.8	3

#	Article	IF	CITATIONS
296	Field background odour should be taken into account when formulating a pest attractant based on plant volatiles. Scientific Reports, 2017, 7, 41818.	1.6	29
297	Monitoring Mexican Rice Borer (Lepidoptera: Crambidae) Populations in Sugarcane and Rice With Conventional and Electronic Pheromone Traps. Journal of Economic Entomology, 2017, 110, tow264.	0.8	7
298	Application of Pheromone Traps for Managing Hessian Fly (Diptera: Cecidomyiidae) in the Southern Great Plains. Journal of Economic Entomology, 2017, 110, 1052-1061.	0.8	5
299	A Conceptual Framework for Integrated Pest Management. Trends in Plant Science, 2017, 22, 759-769.	4.3	188
300	Hydrodynamic properties and distribution of bait downstream of a zooplankton trap. Journal of Plankton Research, 2017, 39, 1020-1027.	0.8	4
301	Use of Mixture Designs to Investigate Contribution of Minor Sex Pheromone Components to Trap Catch of the Carpenterworm Moth, Chilecomadia valdiviana. Journal of Chemical Ecology, 2017, 43, 1046-1055.	0.9	3
302	Characterization of Spodoptera litura (Lepidoptera: Noctuidae) Takeout Genes and Their Differential Responses to Insecticides and Sex Pheromone. Journal of Insect Science, 2017, 17, .	0.6	8
303	Does Background Odor in Tea Gardens Mask Attractants? Screening and Application of Attractants for Empoasca onukii Matsuda. Journal of Economic Entomology, 2017, 110, 2357-2363.	0.8	19
305	One-Pot Multi-Enzymatic Synthesis of the Four Stereoisomers of 4-Methylheptan-3-ol. Molecules, 2017, 22, 1591.	1.7	12
306	Determination of the Three Main Components of the Grapevine Moth Pest Pheromone in Grape-Related Samples by Headspace-Gas Chromatography-Mass Spectrometry. Separations, 2017, 4, 31.	1.1	3
307	Pheromones and Other Chemical Communication in Animals \hat{a} †. , 2017, , .		0
308	Field Attraction of Carob Moth to Host Plants and Conspecific Females. Journal of Economic Entomology, 2017, 110, 2076-2083.	0.8	8
309	Identification of the pheromone biosynthesis genes from the sex pheromone gland transcriptome of the diamondback moth, Plutella xylostella. Scientific Reports, 2017, 7, 16255.	1.6	10
310	Editorial – A new era for Entomologia Generalis. Entomologia Generalis, 2017, 37, 1-5.	1.1	0
311	Tomato Leafminer, Tuta absoluta (Meyrick 1917), an emerging agricultural pest in Sub-Saharan Africa: Current and prospective management strategies. African Journal of Agricultural Research Vol Pp, 2017, 12, 389-396.	0.2	8
312	Substrate-borne vibrations disrupt the mating behaviors of the neotropical brown stink bug, Euschistus heros: implications for pest management. Journal of Pest Science, 2018, 91, 995-1004.	1.9	20
313	Bivariate Pheromone-based Monitoring of Spruce Budworm Larvae (Lepidoptera: Tortricidae). Journal of Economic Entomology, 2018, 111, 277-282.	0.8	2
314	Female Responses to Synthetic Pheromone and Plant Compounds in Agriotes brevis Candeze (Coleoptera: Elateridae). Journal of Insect Behavior, 2018, 31, 106-117.	0.4	10

#	Article	IF	CITATIONS
315	Does mating disruption of <i>Planococcus ficus and Lobesia botrana</i> affect the diversity, abundance and composition of natural enemies in Israeli vineyards?. Pest Management Science, 2018, 74, 1837-1844.	1.7	11
316	Calcineurin is required for male sex pheromone biosynthesis and female acceptance. Insect Molecular Biology, 2018, 27, 373-382.	1.0	19
317	Delay in Mating Reduces Reproductivity but Increases Life Span in Tobacco Cutworm, Spodoptera litura Fabricius (Lepidoptera: Noctuidae). Journal of Economic Entomology, 2018, 111, 1650-1657.	0.8	19
318	The role of cuticular hydrocarbons in mate recognition in Drosophila suzukii. Scientific Reports, 2018, 8, 4996.	1.6	55
319	Towards pesticide-free farming? Sharing needs and knowledge promotes Integrated Pest Management. Environmental Science and Pollution Research, 2018, 25, 13439-13445.	2.7	52
320	A Technique for Determining the Mating Status of <i>Chilo suppressalis</i> (Lepidoptera: Crambidae) Males ¹ . Journal of Entomological Science, 2018, 53, 11-16.	0.2	0
321	The effects of non-host plant extracts on electroantennogram responses, behavior and egg hatching of codling moth, Cydia pomonella. Journal of Pest Science, 2018, 91, 681-690.	1.9	8
322	Identification of the Female-Produced Sex Pheromone of an Invasive Greenhouse Pest, the European Pepper Moth (Duponchelia fovealis). Journal of Chemical Ecology, 2018, 44, 257-267.	0.9	5
323	Design and placement of synthetic sex pheromone traps for cacao mirids in Ghana. International Journal of Tropical Insect Science, 2018, 38, 122-131.	0.4	12
324	Population dynamics of the diamondback moth, <i>Plutella xylostella</i> (L.), in northern China: the effects of migration, cropping patterns and climate. Pest Management Science, 2018, 74, 1845-1853.	1.7	15
325	Challenges of pheromone-based mating disruption of Cydia strobilella and Dioryctria abietella in spruce seed orchards. Journal of Pest Science, 2018, 91, 639-650.	1.9	16
326	Captures of oriental fruit moth, Grapholita molesta (Lepidoptera: Tortricidae), in traps baited with host-plant volatiles in Chile. Applied Entomology and Zoology, 2018, 53, 193-204.	0.6	16
327	Eco-friendly pheromone dispensers—a green route to manage the European grapevine moth?. Environmental Science and Pollution Research, 2018, 25, 9426-9442.	2.7	36
328	Evaluation of commercial and prototype traps for <i>Xylotrechus arvicola</i> (Coleoptera:) Tj ETQq1 1 0.784314 2018, 24, 190-196.	rgBT /Ove 1.0	rlock 10 Tf 50 4
329	Chemicals released by male sea cucumber mediate aggregation and spawning behaviours. Scientific Reports, 2018, 8, 239.	1.6	26
330	Attraction of Moths of Two Noctuidae Species to Field Traps Baited With a Mixture of two to three Homologous Acetates in Poland. Journal of Economic Entomology, 2018, 111, 1664-1673.	0.8	1
331	Damage-associated molecular patterns (DAMPs) as future plant vaccines that protect crops from pests. Scientia Horticulturae, 2018, 237, 207-220.	1.7	51
332	Body Odor and Sex: Do Cuticular Hydrocarbons Facilitate Sexual Attraction in the Small Hairy Maggot Blowfly?. Journal of Chemical Ecology, 2018, 44, 248-256.	0.9	11

#	Article	IF	CITATIONS
333	Monitoring and mass-trapping methodologies using pheromones: the lesser date moth <i>Batrachedra amydraula</i> . Bulletin of Entomological Research, 2018, 108, 58-68.	0.5	14
334	Female sex pheromone of <i>Athetis lepigone</i> (Lepidoptera: Noctuidae): Identification and field evaluation. Journal of Applied Entomology, 2018, 142, 125-130.	0.8	17
335	Semiochemical-based alternatives to synthetic toxicant insecticides for pollen beetle management. Arthropod-Plant Interactions, 2018, 12, 835-847.	0.5	20
336	Advances in Attract-and-Kill for Agricultural Pests: Beyond Pheromones. Annual Review of Entomology, 2018, 63, 453-470.	5.7	103
337	Trichogramma parasitoids can distinguish between fertilized and unfertilized host eggs. Journal of Pest Science, 2018, 91, 771-780.	1.9	17
338	Environmentally sustainable pest control options for <i>Drosophila suzukii</i> . Journal of Applied Entomology, 2018, 142, 3-17.	0.8	72
339	Determination of <i>Agriotes obscurus</i> (<scp>C</scp> oleoptera: <scp>E</scp> lateridae) sex pheromone attraction range using target male behavioural responses. Agricultural and Forest Entomology, 2018, 20, 228-233.	0.7	9
340	An ordinal day model of spruce beetle trap capture phenology in northern Colorado. Journal of Applied Entomology, 2018, 142, 277-281.	0.8	1
341	Factors affecting catch of the black-headed caterpillar, Opisina arenosella Walker in sex pheromone-baited traps and evidence for population suppression by mass trapping. Oriental Insects, 2018, 52, 143-158.	0.1	4
342	Factors affecting trap catch in pheromoneâ€based monitoring of saddle gall midge <i>Haplodiplosis marginata</i> (Diptera: Cecidomyiidae). Pest Management Science, 2018, 74, 406-412.	1.7	4
343	Automatic in-trap pest detection using deep learning for pheromone-based Dendroctonus valens monitoring. Biosystems Engineering, 2018, 176, 140-150.	1.9	56
344	PENYEK: Automated brown planthopper detection from imperfect sticky pad images using deep convolutional neural network. PLoS ONE, 2018, 13, e0208501.	1.1	14
345	Identification and field evaluation of female sex pheromone of leaf-eating caterpillar, Opisina arenosella (Lepidoptera: Oecophoridae). International Journal of Tropical Insect Science, 2018, 38, 274-282.	0.4	2
346	Chemical analysis of the female sex pheromone in Palpita nigropunctalis (Lepidoptera: Crambidae). Journal of Asia-Pacific Entomology, 2018, 21, 1283-1288.	0.4	2
347	Molecular Characterization of MbraOR16, a Candidate Sex Pheromone Receptor in Mamestra brassicae (Lepidoptera: Noctuidae). Journal of Insect Science, 2018, 18, .	0.6	4
348	The Invasive Vespidae in South Africa: Potential Management Strategies and Current Status. African Entomology, 2018, 26, 267-285.	0.6	7
349	Ultrastructural Observations of Antennal Sensilla inPhauda flammansWalker (Lepidoptera:) Tj ETQq0 0 0 rgBT /O	verlock 10 0.2	Tf 50 102 To

350	New Long-Life Semiochemical Lures for Rats. Proceedings of the Vertebrate Pest Conference, 0, 28, .	0.1	0	
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#	Article	IF	CITATIONS
351	Disrupting mating of Lobesia botrana using sex pheromone aerosol devices. Environmental Science and Pollution Research, 2018, 25, 22196-22204.	2.7	26
352	Integrated Pest Management for Sustainable Agriculture. Handbook of Environmental Chemistry, 2018, , 215-234.	0.2	3
353	Identification of attractive blend for spotted wing drosophila, Drosophila suzukii, from apple juice. Journal of Pest Science, 2018, 91, 1251-1267.	1.9	36
354	The Identification of Sea Lamprey Pheromones Using Bioassay-Guided Fractionation. Journal of Visualized Experiments, 2018, , .	0.2	2
355	Asymmetric Total Synthesis of Four Stereoisomers of the Sex Pheromone of the Western Corn Rootworm. Molecules, 2018, 23, 667.	1.7	7
356	Alcohol Contributes to Attraction of Heliothis (= Chloridea) virescens Males to Females. Journal of Chemical Ecology, 2018, 44, 621-630.	0.9	12
357	Advances in the Chemical Ecology of the Spotted Wing Drosophila (Drosophila suzukii) and its Applications. Journal of Chemical Ecology, 2018, 44, 922-939.	0.9	94
358	Multiple-Lure Surveillance Trapping for Ips Bark Beetles, Monochamus Longhorn Beetles, and Halyomorpha halys (Hemiptera: Pentatomidae). Journal of Economic Entomology, 2018, 111, 2255-2263.	0.8	12
359	Lobesia botrana males mainly fly at dusk: video camera-assisted pheromone traps and implications for mating disruption. Journal of Pest Science, 2018, 91, 1327-1334.	1.9	23
360	Influence of mating disruption on the reproductive biology of the vine mealybug, <i>Planococcus ficus</i> (Hemiptera: Pseudococcidae), under field conditions. Pest Management Science, 2018, 74, 2806-2816.	1.7	21
361	Waxy bloom on grape berry surface is one important factor for oviposition of European grapevine moths. Journal of Pest Science, 2018, 91, 1225-1239.	1.9	23
362	Identification and Field Evaluation of the Sex Pheromone of Orthaga achatina (Lepidoptera: Pyralidae). Journal of Chemical Ecology, 2018, 44, 886-893.	0.9	9
363	A simple, cost-effective emitter for controlled release of fish pheromones: Development, testing, and application to management of the invasive sea lamprey. PLoS ONE, 2018, 13, e0197569.	1.1	5
364	Tools for detecting insect semiochemicals: a review. Analytical and Bioanalytical Chemistry, 2018, 410, 4091-4108.	1.9	42
365	A novel, easy method for estimating pheromone trap attraction range: application to the pine sawyer beetle <i>Monochamus galloprovincialis</i> . Agricultural and Forest Entomology, 2019, 21, 8-14.	0.7	19
366	The Addition of a Pheromone to a Floral Lure Increases Catches of Females of the Click Beetle Agriotes ustulatus (Schaller) (Coleoptera: Elateridae). Journal of Chemical Ecology, 2019, 45, 667-672.	0.9	9
367	Volatile profiles of three tree species in the northeastern China and associated effects on <i>Sirex noctilio</i> activity. Journal of Plant Interactions, 2019, 14, 334-339.	1.0	12
368	Insect Odorscapes: From Plant Volatiles to Natural Olfactory Scenes. Frontiers in Physiology, 2019, 10, 972.	1.3	132

ARTICLE

A duplex ddPCR assay for simultaneously detecting Ips sexdentatus and Ips typographus (Coleoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 T 369

370	The complex barnacle perfume: identification of waterborne pheromone homologues in <i>Balanus improvisus</i> and their differential expression during settlement. Biofouling, 2019, 35, 416-428.	0.8	5
371	The relationship between pheromone trap catch and local population density of the oak processionary moth Thaumetopoea processionea (Lepidoptera: Thaumetopoeidae). Agricultural and Forest Entomology, 2019, 21, 424-430.	0.7	6
372	The Effect of Photoperiods and Light Intensity on Mating Behavior and Reproduction of Grapholita molesta (Lepidoptera: Tortricidae). Environmental Entomology, 2019, 48, 1035-1041.	0.7	11
373	Improving Bisexual Lures for the Silver Y Moth Autographa gamma L. and Related Plusiinae (Lepidoptera: Noctuidae). Acta Phytopathologica Et Entomologica Hungarica, 2019, 54, 137-146.	0.1	9
374	Two Sympatric Spodoptera Species Could Mutually Recognize Sex Pheromone Components for Behavioral Isolation. Frontiers in Physiology, 2019, 10, 1256.	1.3	13
375	Diel patterns of emergence and reproductive behaviour in the invasive swede midge (Diptera:) Tj ETQq0 0 0 rgBT	Overlock	19 Tf 50 5
376	Female volatiles as sex attractants in the invasive population of Vespa velutina nigrithorax. Journal of Insect Physiology, 2019, 119, 103952.	0.9	10
377	A New System for Detecting Initial Colonization by Invasive Pests and Their Locations. Journal of Economic Entomology, 2019, 112, 2976-2983.	0.8	3
970	Molecular Characterization and Key Binding Sites of Sex Pheromone-Binding Proteins from the	0.4	10

	12685-12695.		
379	Sex Pheromone Aerosol Devices for Mating Disruption: Challenges for a Brighter Future. Insects, 2019, 10, 308.	1.0	55
380	Sustainable Management of Insect-Pests. , 2019, , 287-335.		6
381	Sugar–Acetic Acid–Ethanol–Water Mixture as a Potent Attractant for Trapping the Oriental Fruit Moth (Lepidoptera: Tortricidae) in Peach–Apple Mixed-Planting Orchards. Plants, 2019, 8, 401.	1.6	4
382	Chemical Ecology and Ecotoxicology. , 2019, , 1-31.		0
383	Ground application of mating disruption against the gypsy moth (Lepidoptera: Erebidae). Journal of Applied Entomology, 2019, 143, 1154-1160.	0.8	1
384	Catholic Survival in Protestant Ireland, 1660–1711: Colonel John Browne, Landownership and the Articles of Limerick, by Eoin Kinsella. English Historical Review, 2019, 134, 1559-1561.	0.0	0

Temporal pattern of adult emergence and sexual behavior of Scopula subpunctaria (Lepidoptera:) Tj ETQq0 0 0 rgBT $_{0.6}^{10}$ Voerlock 10 Tf 50 385

386	A new synthetic lure for management of the invasive giant African snail, Lissachatina fulica. PLoS ONE, 2019, 14, e0224270.	1.1	1	
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#	Article	IF	CITATIONS
387	Yeast Volatomes Differentially Affect Larval Feeding in an Insect Herbivore. Applied and Environmental Microbiology, 2019, 85, .	1.4	31
388	Analysis and optimization based on a sex pheromone and pesticide pest model with gestation delay. International Journal of Biomathematics, 2019, 12, 1950054.	1.5	7
389	Extremely low neonicotinoid doses alter navigation of pest insects along pheromone plumes. Scientific Reports, 2019, 9, 8150.	1.6	7
390	A counting method for the number of Sternolophus rufipes and Hydrochara affinis in a noisy trap image. Journal of Asia-Pacific Entomology, 2019, 22, 802-806.	0.4	1
391	Semiochemicals for Integrated Pest Management. , 2019, , 85-112.		8
392	Dissecting sex pheromone communication of Mythimna separata (Walker) in North China from receptor molecules and antennal lobes to behavior. Insect Biochemistry and Molecular Biology, 2019, 111, 103176.	1.2	26
393	Alternatives to neonicotinoids. Environment International, 2019, 129, 423-429.	4.8	103
394	Molecular Basis of Pheromonogenesis Regulation in Moths. , 2019, , 151-202.		3
395	Behavioural responses of the parasitoid Aphytis melinus to volatiles organic compounds (VOCs) from Aonidiella aurantii on its host fruit Tahitian lime fruit Citrus latifolia. Biological Control, 2019, 133, 103-109.	1.4	17
396	Structural investigation of selective binding dynamics for the pheromoneâ€binding protein 1 of the grapevine moth, Lobesia botrana. Archives of Insect Biochemistry and Physiology, 2019, 101, e21557.	0.6	13
397	Invader control: factors influencing the attraction of cane toad (Rhinella marina) larvae to adult parotoid exudate. Biological Invasions, 2019, 21, 1895-1904.	1.2	5
398	Approaches for the isolation and identification of hydrophilic, light-sensitive, volatile and minor natural products. Natural Product Reports, 2019, 36, 981-1004.	5.2	15
399	Importance of trap liner adhesive selection for male moth catch (Lepidoptera: Tortricidae) with bisexual attractants. Journal of Applied Entomology, 2019, 143, 95-104.	0.8	6
400	The aggregation-sex pheromones of the cerambycid beetles Anaglyptus mysticus and Xylotrechus antilope ssp. antilope: new model species for insect conservation through pheromone-based monitoring. Chemoecology, 2019, 29, 111-124.	0.6	7
401	Mating Disruption for Managing Prionus californicus (Coleoptera: Cerambycidae) in Hop and Sweet Cherry. Journal of Economic Entomology, 2019, 112, 1130-1137.	0.8	3
402	Managing the vine mealybug, Planococcus ficus, through pheromone-mediated mating disruption. Environmental Science and Pollution Research, 2019, 26, 10708-10718.	2.7	23
403	Little effect of delayed mating on fecundity or fertility of female fungus gnats <i>Lycoriella ingenua</i> . Physiological Entomology, 2019, 44, 60-64.	0.6	3
404	Pesticides and environmental ecology. , 2019, , 1-38.		6

#	Article	IF	CITATIONS
405	Strategies for preventing and controlling pesticide toxicity. , 2019, , 265-304.		0
406	Pest-Inspector: An Insect Detection System by Learning Data Representations. , 2019, , .		1
407	Defense of Scots pine against sawfly eggs (<i>Diprion pini</i>) is primed by exposure to sawfly sex pheromones. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24668-24675.	3.3	31
408	Recent Advances in Management by Pheromones of Thaumetopoea Moths in Urban Parks and Woodland Recreational Areas. Insects, 2019, 10, 395.	1.0	7
409	Biotremology: Studying Vibrational Behavior. Animal Signals and Communication, 2019, , .	0.4	32
410	Exposure to Conspecific and Heterospecific Sex-Pheromones Modulates Gustatory Habituation in the Moth Agrotis ipsilon. Frontiers in Physiology, 2019, 10, 1518.	1.3	12
411	Biological alternatives to pesticides to control wireworms (Coleoptera: Elateridae). Agri Gene, 2019, 11, 100080.	1.9	7
412	Male Burmese pythons follow female scent trails and show sexâ€specific behaviors. Integrative Zoology, 2019, 14, 460-469.	1.3	4
413	Massâ€ŧrapping trials for the control of pine processionary moth in a pine woodland recreational area. Journal of Applied Entomology, 2019, 143, 129-136.	0.8	4
414	Electrophysiological and behavioural responses of the Eucalyptus weevil, Gonipterus platensis, to host plant volatiles. Journal of Pest Science, 2019, 92, 221-235.	1.9	13
415	Management of Sirex noctilio populations in exotic pine plantations: critical issues explaining invasion success and damage levels in South America. Journal of Pest Science, 2019, 92, 131-142.	1.9	24
416	Relationship between efficacy of mating disruption and gypsy moth density. International Journal of Pest Management, 2019, 65, 44-52.	0.9	11
417	Evaluation of attract-and-kill strategy for management of cocoa pod borer, Conopomorpha cramerella, in Malaysia cocoa plantation. International Journal of Pest Management, 2020, 66, 155-162.	0.9	4
418	Photoselective exclusion netting in apple orchards: effectiveness against pests and impact on beneficial arthropods, fungal diseases and fruit quality. Pest Management Science, 2020, 76, 179-187.	1.7	24
419	Visual cues from different trap colours affect catches of Sahlbergella singularis (Hemiptera: Miridae) in sex pheromone traps in Cameroon cocoa plantations. Crop Protection, 2020, 127, 104959.	1.0	10
420	Identification of Δ6â€unsaturated, monoenyl type I pheromone compounds from the cashew stem borer <i>Anthistarcha binocularis</i> (Lepidoptera: Gelechiidae). Pest Management Science, 2020, 76, 1435-1442.	1.7	5
421	Controlled Release of Pesticides for Sustainable Agriculture. , 2020, , .		6
422	Exploiting chemical ecology to manage hyperparasitoids in biological control of arthropod pests. Pest Management Science, 2020, 76, 432-443.	1.7	39

#	Article	IF	CITATIONS
423	Healthcare access for asylum seekers and refugees in England: a mixed methods study exploring service users' and health care professionals' awareness. European Journal of Public Health, 2020, 30, 527-532.	0.1	12
424	Parasite attractants: Identifying trap baits for parasite management in aquaculture. Aquaculture, 2020, 516, 734557.	1.7	12
425	Male age affects female mating preference but not fitness in the monandrous moth <i>Dendrolimus punctatus</i> Walker (Lepidoptera: Lasiocampidae). Physiological Entomology, 2020, 45, 22-29.	0.6	11
426	Chemosensation: Hate Mosquitoes? Peel Beetroots!. Current Biology, 2020, 30, R12-R14.	1.8	2
427	Functional characterization of one sex pheromone receptor (AlucOR4) in Apolygus lucorum (Meyer-Dür). Journal of Insect Physiology, 2020, 120, 103986.	0.9	9
428	Development of a Mating Disruption Program for a Mealybug, Planococcus ficus, in Vineyards. Insects, 2020, 11, 635.	1.0	14
429	Essential role for SNMP1 in detection of sex pheromones in Helicoverpa armigera. Insect Biochemistry and Molecular Biology, 2020, 127, 103485.	1.2	15
430	Tuta absoluta (Meyrick) (Lepidoptera: Gelechiidae) on the "Offensive―in Africa: Prospects for Integrated Management Initiatives. Insects, 2020, 11, 764.	1.0	20
431	Progress Toward an Attract-and-Kill Device for Asian Citrus Psyllid (Hemiptera: Liviidae) Using Volatile Signatures of Citrus Infected With Huanglongbing as the Attractant. Journal of Insect Science, 2020, 20, .	0.6	8
432	Ultrastructure of the Antennae and Sensilla of <i>Nyssomyia intermedia</i> (Diptera: Psychodidae), Vector of American Cutaneous Leishmaniasis. Journal of Medical Entomology, 2020, 57, 1722-1734.	0.9	6
433	Chemical Communication between Organometallic Singleâ€Chain Polymer Nanoparticles. Chemistry - A European Journal, 2020, 26, 15835-15838.	1.7	2
434	Automatic Field Detection of Western Corn Rootworm (Diabrotica virgifera virgifera; Coleoptera:) Tj ETQq1 1 0.7	'84314 rgE 1.0	3T ₃ Overlock
435	Moth Detection from Pheromone Trap Images Using Deep Learning Object Detectors. Agriculture (Switzerland), 2020, 10, 170.	1.4	36
436	Sharpening the Precision of Pest Management Decisions: Assessing Variability Inherent in Catch Number and Absolute Density Estimates Derived from Pheromone-Baited Traps Monitoring Insects Moving Randomly. Journal of Economic Entomology, 2020, 113, 2052-2060.	0.8	11
437	Conspecific chemical cues facilitate mate trailing by invasive Argentine black and white tegus. PLoS ONE, 2020, 15, e0236660.	1.1	3
438	Persistence of Mating Suppression of the Indian Meal Moth Plodia Interpunctella in the Presence and Absence of Commercial Mating Disruption Dispensers. Insects, 2020, 11, 701.	1.0	10
439	Bumble Bees (Hymenoptera: Apidae) Respond to Moth (Lepidoptera: Noctuidae) Pheromone Components, Leading to Bee Bycatch in Monitoring Traps Targeting Moth Pests. Frontiers in Ecology and Evolution, 2020, 8, .	1.1	10
440	Making sense of Integrated Pest Management (IPM) in the light of evolution. Evolutionary Applications, 2020, 13, 1791-1805.	1.5	52

#	Article	IF	CITATIONS
441	Effect of Pheromone-Mediated Mating Disruption on Pest Population Density of Maruca vitrata (Fabricius) (Crambidae: Lepidoptera). Insects, 2020, 11, 558.	1.0	4
442	Can Mating Disruption Be a Possible Route to Control Plum Fruit Moth in Mediterranean Environments?. Insects, 2020, 11, 589.	1.0	8
443	Synthesis of Dacus Pheromone, 1,7-Dioxaspiro[5.5]Undecane and Its Encapsulation in PLLA Microspheres for Their Potential Use as Controlled Release Devices. Agronomy, 2020, 10, 1053.	1.3	9
444	Identification of the Female-Produced Sex Pheromone of the Dotted White Geometrid Naxa seriaria (Lepidoptera: Geometridae). Journal of Chemical Ecology, 2020, 46, 927-934.	0.9	3
445	Antennal sensitivity to female sex pheromone compounds of Spodoptera frugiperda males (Lepidoptera: Noctuidae) and associated field behaviour. Physiological Entomology, 2020, 45, 140-146.	0.6	1
446	Integrative Biological Control. Progress in Biological Control, 2020, , .	0.5	6
447	Insect chemical ecology: chemically mediated interactions and novel applications in agriculture. Arthropod-Plant Interactions, 2020, 14, 671-684.	0.5	8
448	Microbiome Innovation in Agriculture: Development of Microbial Based Tools for Insect Pest Management. Frontiers in Sustainable Food Systems, 2020, 4, .	1.8	30
449	Local Depletion of Click Beetle Populations by Pheromone Traps Is Weather and Species Dependent. Environmental Entomology, 2020, 49, 449-460.	0.7	8
450	The evolution of (non)species-specific pheromones. Evolutionary Ecology, 2020, 34, 455-468.	0.5	10
452	Airborne Pheromone Quantification in Treated Vineyards with Different Mating Disruption Dispensers against Lobesia botrana. Insects, 2020, 11, 289.	1.0	15
453	Geographic variation in sexual communication in the cotton bollworm, <scp><i>Helicoverpa armigera</i></scp> . Pest Management Science, 2020, 76, 3596-3605.	1.7	9
454	Delayed Mating with Multiple Partners Decreases Indexes of Mating in Female and Male Spodoptera litura (Lepidoptera: Noctuidae). Environmental Entomology, 2020, 49, 789-795.	0.7	2
455	Short and Easily Scalable Synthesis of the Sex Pheromone of the Horse-Chestnut Leaf Miner (<i>Cameraria ohridella</i>) Relying on a Key Ligand- and Additive-Free Iron-Catalyzed Cross-Coupling. Organic Process Research and Development, 2020, 24, 1335-1340.	1.3	7
456	Miniâ€review: recent advances in the identification and application of sex pheromones of gall midges (Diptera: Cecidomyiidae). Pest Management Science, 2020, 76, 3905-3910.	1.7	7
457	Assessment of Available Tools for Monitoring Wheat Midge (Diptera: Cecidomyiidae). Environmental Entomology, 2020, 49, 627-637.	0.7	6
458	Electroantennogram responses of <i>Plutella xylostella</i> (L.), to sex pheromone components and host plant volatile semiochemicals. Journal of Applied Entomology, 2020, 144, 396-406.	0.8	8
459	Efficacy of mating disruption compared with chemical insecticides for controlling Tuta absoluta (Lepidoptera: Gelechiidae) in Kuwait. Applied Entomology and Zoology, 2020, 55, 213-221.	0.6	9

ARTICLE IF CITATIONS # Practical Synthesis and Field Application of the Synthetic Sex Pheromone of Rice Stem Borer, Chilo 460 0.9 3 suppressalis (Lepidoptera: Pyralidae). Journal of Ćhemistry, 2020, 2020, 1-9. Identification of a General Odorant Receptor for Repellents in the Asian Corn Borer Ostrinia 1.3 furnacalis. Frontiers in Physiology, 2020, 11, 176. Attraction and Electrophysiological Response to Identified Rectal Gland Volatiles in Bactrocera 462 1.7 14 frauenfeldi (Schiner). Molecules, 2020, 25, 1275. Technical efficacy and practicability of mass trapping for insect control in Bangladesh. Agronomy for Sustainable Development, 2020, 40, 1. Effects of disruption of Grapholita molesta (Lepidoptera: Tortricidae) using sex pheromone on moth 464 0.6 4 pests and insect communities in orchards. Applied Entomology and Zoology, 2020, 55, 367-377. Evaluation of commercial trap types and lures on the population dynamics of <i>Helicoverpa armigera </i> (Hubner) (Lepidoptera: Noctuidae) and its effects on non-targets insects. Cogent Food and Agriculture, 2020, 6, 1771116. Mating Disruption of Chilo suppressalis From Sex Pheromone of Another Pyralid Rice Pest 466 0.6 11 Cnaphalocrocis medinalis (Lepidoptera: Pyralidae). Journal of Insect Science, 2020, 20, . Odorant receptor phylogeny confirms conserved channels for sex pheromone and host plant signals 467 0.8 in tortricid moths. Ecology and Evolution, 2020, 10, 7334-7348. 468 Controlling mosquitoes with semiochemicals: a review. Parasites and Vectors, 2020, 13, 80. 1.0 62 TRPA1 modulates noxious odor responses in Lygus hesperus. Journal of Insect Physiology, 2020, 122, 104038. Sexual communication of Spodoptera frugiperda from West Africa: Adaptation of an invasive species 470 1.6 23 and implications for pest management. Scientific Reports, 2020, 10, 2892. Identification and Synthesis of Putative Pheromone Components of the Threatened Salt Marsh Bagworm Moth, Whittleia retiella (Lepidoptera: Psychidae). Journal of Chemical Ecology, 2020, 46, 471 115-127. Traps and Attractants for Monitoring Navel Orangeworm (Lepidoptera: Pyralidae) in the Presence of 472 0.8 6 Mating Disruption. Journal of Economic Entomology, 2020, 113, 1270-1278. Identification of putative Type-I sex pheromone biosynthesis-related genes expressed in the female 1.1 pheromone gland of Streltzoviella insularis. PLoS ONE, 2020, 15, e0227666. Rectal Gland Chemistry, Volatile Emissions, and Antennal Responses of Male and Female Banana Fruit 474 1.0 12 Fly, Bactrocera musae. Insects, 2020, 11, 32. Floral Odors Can Interfere With the Foraging Behavior of Parasitoids Searching for Hosts. Frontiers in Ecology and Evolution, 2020, 8, . Behavioral effects of different attractants on adult male and female oriental fruit moths, 476 1.7 19 <i>Grapholita molesta</i>. Pest Management Science, 2020, 76, 3225-3235. Orchid sexual deceit affects pollinator sperm transfer. Functional Ecology, 2020, 34, 1336-1344.

ARTICLE

Field efficacy of entomopathogens and plant extracts on Tuta absoluta Meyrick (Lepidoptera:) Tj ETQq0 0 0 rgBT /Qverlock 10 Tf 50 742

479	Temporal distribution and management of the tomato leaf miner. International Journal of Vegetable Science, 2021, 27, 120-130.	0.6	0
480	Overview of Bruchus rufimanus Boheman 1833 (Coleoptera: Chrysomelidae): Biology, chemical ecology and semiochemical opportunities in integrated pest management programs. Crop Protection, 2021, 140, 105411.	1.0	12
481	Chemical defence in Brassicaceae against pollen beetles revealed by metabolomics and flower bud manipulation approaches. Plant, Cell and Environment, 2021, 44, 519-534.	2.8	10
482	First example of engineered β-cyclodextrinylated MEMS devices for volatile pheromone sensing of olive fruit pests. Biosensors and Bioelectronics, 2021, 173, 112728.	5.3	17
483	Synthetic pheromone exposure increases calling and reduces subsequent mating in female <i>Contarinia nasturtii</i> (<scp>Diptera: Cecidomyiidae</scp>). Pest Management Science, 2021, 77, 548-556.	1.7	3
484	Optimization and field demonstration of the <scp><i>Lygus pratensis</i></scp> (<scp>Hemiptera:) Tj ETQq0 0 0</scp>	rgBT /Ove 1.7	rlock 10 Tf S
485	Identification and application of bacterial volatiles to attract a generalist aphid parasitoid: from laboratory to greenhouse assays. Pest Management Science, 2021, 77, 930-938.	1.7	18
486	Control of Tuta absoluta (Meyrick) (Lepidoptera: Gelechiidae) in open field tomato crops using the mating disruption technique. Phytoparasitica, 2021, 49, 385-396.	0.6	7
487	Efecto Sinérgico de la Feromona, Volátiles del Hospedero, y Etanol en la Atracción de Scyphophorus acupunctatus Gyllenhal1. Southwestern Entomologist, 2021, 45, .	0.1	1
488	Mathematical Modelling of Lesser Date Moth Using Sex Pheromone Traps and Natural Enemies. Mathematical Problems in Engineering, 2021, 2021, 1-14.	0.6	2
489	Exploiting common senses: sensory ecology meets wildlife conservation and management. , 2021, 9, coab002.		18
490	Smart nanotextiles for application in sustainable agriculture. , 2021, , 203-227.		2
491	Biorational method for controlling the abundance of <i>Cydia pomonella L.</i> in apple agrocenoses of the Krasnodar region. BIO Web of Conferences, 2021, 34, 04013.	0.1	2
492	Mating Disruption of the California Red Scale, <i>Aonidiella aurantii</i> (Hemiptera: Diaspididae) in Central California Citrus. Journal of Economic Entomology, 2021, 114, 2421-2429.	0.8	1
493	A Review on Bio-computational Measures for the Control of Invasive Pest: Tuta absoluta (Tomato Leaf) Tj ETQq1 2	l 0.78431 0.5	4 rgBT /Ovei
494	Comparison of New Kairomone-Based Lures for Cydia pomonella (Lepidoptera: Tortricidae) in Italy and USA. Insects, 2021, 12, 72.	1.0	11
495	Toxic Bait as an Alternative Tool in the Management of Spodoptera frugiperda in Second Corn Crops. Journal of Agricultural Science, 2021, 13, 102.	0.1	1

#	Article		CITATIONS
496	Individual and Additive Effects of Insecticide and Mating Disruption in Integrated Management of Navel Orangeworm in Almonds. Insects, 2021, 12, 188.	1.0	4
497	Chemically-mediated colonization of black cherry by the peach bark beetle, Phloeotribus liminaris. Journal of Chemical Ecology, 2021, 47, 303-312.	0.9	1
498	Derivation of Pheromone-Based Larval Thresholds in Spruce Budworm Accounting for Distance to Defoliated Forest Stands. Journal of Economic Entomology, 2021, 114, 769-775.	0.8	1
499	Towards developing areawide semiochemicalâ€mediated, behaviorallyâ€based integrated pest management programs for stored product insects. Pest Management Science, 2021, 77, 2667-2682.	1.7	39
500	When is it biological control? A framework of definitions, mechanisms, and classifications. Journal of Pest Science, 2021, 94, 665-676.	1.9	86
501	An Overview of Antennal Esterases in Lepidoptera. Frontiers in Physiology, 2021, 12, 643281.	1.3	14
502	First Multi-Target Application of Exclusion Net in Nectarine Orchards: Effectiveness against Pests and Impact on Beneficial Arthropods, Postharvest Rots and Fruit Quality. Insects, 2021, 12, 210.	1.0	8
503	Biosynthesis of the Sex Pheromone Component (E,Z)-7,9-Dodecadienyl Acetate in the European Grapevine Moth, Lobesia botrana, Involving â^†11 Desaturation and an Elusive â^†7 Desaturase. Journal of Chemical Ecology, 2021, 47, 248-264.	0.9	8
504	Time ourse in attractiveness of pheromone lure on the smaller tea tortrix moth: A generalized additive mixed model approach. Ecological Research, 2021, 36, 603-616.	0.7	1
506	Behavioural Evidence and Chemical Identification of a Female Sex Pheromone in Anagrus atomus (Hymenoptera: Mymaridae). Journal of Chemical Ecology, 2021, 47, 534-543.	0.9	1
507	Functional Characterization of Sex Pheromone Neurons and Receptors in the Armyworm, Mythimna separata (Walker). Frontiers in Neuroanatomy, 2021, 15, 673420.	0.9	8
508	Mating Disruption of Pseudococcus calceolariae (Maskell) (Hemiptera, Pseudococcidae) in Fruit Crops. Insects, 2021, 12, 343.	1.0	6
509	Sex Pheromone of the Alfalfa Plant Bug, Adelphocoris lineolatus: Pheromone Composition and Antagonistic Effect of 1-Hexanol (Hemiptera: Miridae). Journal of Chemical Ecology, 2021, 47, 525-533.	0.9	6
510	Evolution of the codling moth pheromone via an ancient gene duplication. BMC Biology, 2021, 19, 83.	1.7	10
511	Mating Disruption for Managing the Honeydew Moth, Cryptoblabes gnidiella (Millière), in Mediterranean Vineyards. Insects, 2021, 12, 390.	1.0	2
512	Antennal transcriptome sequencing and identification of candidate chemoreceptor proteins from an invasive pest, the American palm weevil, Rhynchophorus palmarum. Scientific Reports, 2021, 11, 8334.	1.6	17
513	Estimating the proportion of resistance alleles from bulk Sanger sequencing, circumventing the variability of individual DNA. Journal of Pesticide Sciences, 2021, 46, 160-167.	0.8	1
514	Field trials of synthetic sex attractants of Illiberis pruni in China. Entomologia Experimentalis Et Applicata, 2021, 169, 640-645.	0.7	4

#	Article	IF	CITATIONS
515	Improvement of pest control in stone fruits within an areawide strategy. Agrociencia Uruguay, 2021, 25, .	0.1	0
516	Response of Trichogramma brassicae (Hym.: Trichogrammatidae) to temperature: Utilizing thermodynamic models to describe curvilinear development. Crop Protection, 2021, 143, 105562.	1.0	4
517	Alternative Strategies for Controlling Wireworms in Field Crops: A Review. Agriculture (Switzerland), 2021, 11, 436.	1.4	24
518	The protein and volatile components of trail mucus in the Common Garden Snail, Cornu aspersum. PLoS ONE, 2021, 16, e0251565.	1.1	9
519	Remote monitoring of <i>Cydia pomonella</i> adults among an assemblage of nontargets in sex pheromoneâ€kairomoneâ€baited smart traps. Pest Management Science, 2021, 77, 4084-4090.	1.7	9
520	Latest Developments in Insect Sex Pheromone Research and Its Application in Agricultural Pest Management. Insects, 2021, 12, 484.	1.0	60
521	Potential of cold plasma to control Callosobruchus chinensis (Chrysomelidae: Bruchinae) in chickpea cultivars during four year storage. Scientific Reports, 2021, 11, 13425.	1.6	9
522	Comparison of Sex Pheromone and Kairomone-Enhanced Pheromone Lures for Monitoring Oriental Fruit Moth (Lepidoptera: Tortricidae) in Mating Disruption and Non-Disruption Tree Fruit Orchards. Environmental Entomology, 2021, 50, 1063-1074.	0.7	3
523	Optimizing early detection strategies: defining the effective attraction radius of attractants for emerald ash borer <scp><i>Agrilus planipennis</i></scp> Fairmaire. Agricultural and Forest Entomology, 2021, 23, 527-535.	0.7	3
524	Monitoring Chilecomadia valdiviana (Lepidoptera: Cossidae) Using Sex Pheromone-Baited Traps in Apple Orchards in Chile. Insects, 2021, 12, 511.	1.0	4
525	Effects of Delayed Mating on the Reproductive Performance of Henosepilachna vigintioctopunctata (F.) (Coleoptera: Coccinellidae). Insects, 2021, 12, 629.	1.0	0
526	Preliminary data on attractiveness of phenylacetaldehyde-based lures on economically important plant bug pests (Hemiptera: Miridae). International Journal of Horticultural Science, 0, 27, 87-94.	0.2	1
527	Electrophysiological Responses of Bactrocera kraussi (Hardy) (Tephritidae) to Rectal Gland Secretions and Headspace Volatiles Emitted by Conspecific Males and Females. Molecules, 2021, 26, 5024.	1.7	2
528	Reverse chemical ecology in a moth: machine learning on odorant receptors identifies new behaviorally active agonists. Cellular and Molecular Life Sciences, 2021, 78, 6593-6603.	2.4	11
529	Using Chemical Ecology to Enhance Weed Biological Control. Insects, 2021, 12, 695.	1.0	8
530	Assessment of the Attraction Range of Sex Pheromone Traps to Agriotes (Coleoptera, Elateridae) Male Click Beetles in South-Eastern Europe. Insects, 2021, 12, 733.	1.0	5
531	Automated Pest Detection With DNN on the Edge for Precision Agriculture. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2021, 11, 458-467.	2.7	53
533	Transcriptome Analysis of Ostrinia furnacalis Female Pheromone Gland: Esters Biosynthesis and Requirement for Mating Success. Frontiers in Endocrinology, 2021, 12, 736906.	1.5	7

#	Article	IF	CITATIONS
534	Novel Technologies and Their Application for Protected Area Management: A Supporting Approach in Biodiversity Monitoring. , 0, , .		2
535	Identification and functional characterization of sex pheromone receptors in mirid bugs (Heteroptera: Miridae). Insect Biochemistry and Molecular Biology, 2021, 136, 103621.	1.2	6
536	Development and first evaluation of an attractant impregnated adhesive tape against bloodâ€sucking flies. Insect Science, 2022, 29, 603-612.	1.5	2
537	A Review of the Scientific Literature on the Use of Reproductive Pheromones in the Management of <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae). Journal of Entomological Science, 2021, 56, 475-486.	0.2	1
538	Optimization of the sex pheromone-based method for trapping field populations of Phthorimaea operculella (Zeller) in South China. Journal of Integrative Agriculture, 2021, 20, 2727-2733.	1.7	3
539	Effectiveness of bio-insecticides and mass trapping based on population fluctuations for controlling Tuta absoluta under greenhouse conditions in Albania. Heliyon, 2021, 7, e05753.	1.4	10
540	Pheromone Deployment Strategies for Mating Disruption of a Vineyard Mealybug. Journal of Economic Entomology, 2021, 114, 2439-2451.	0.8	3
541	Biopesticides: Microbes for Agricultural Sustainability. Sustainable Development and Biodiversity, 2021, , 471-501.	1.4	5
542	Biological production of insect pheromones in cell and plant factories. , 2021, , 89-121.		9
543	Management of Navel Orangeworm (Lepidoptera: Pyralidae) Using Four Commercial Mating Disruption Systems in California Almonds. Journal of Economic Entomology, 2021, 114, 238-247.	0.8	8
544	Biopesticides: An Alternative to Synthetic Insecticides. , 2021, , 439-466.		6
545	Mating Disruption by Vibrational Signals: State of the Field and Perspectives. Animal Signals and Communication, 2019, , 331-354.	0.4	16
546	Can Vibrational Playback Improve Control of an Invasive Stink Bug?. Animal Signals and Communication, 2019, , 375-398.	0.4	6
547	Controlled Release Pesticides as a Route to Sustainable Crop Production. , 2020, , 111-125.		2
548	Innovation in Sustainable Management of Plant Diseases and Pests, and Effects on the Environment. , 2020, , 601-616.		2
549	Bio-Pesticides: Application and Possible Mechanism of Action. , 2020, , 97-119.		2
550	Research Progress of Conogethes punctiferalis (Lepidoptera: Crambidae) in China. , 2018, , 45-66.		2
551	Pest monitoring and forecasting , 2012, , 41-57.		26

		CITATION R	EPORT	
#	Article		IF	CITATIONS
552	Integrated pest management in temperate horticulture: seeing the wood for the trees Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources, 0, , 1-1	CAB Reviews: .3.	0.6	1
553	The application of rapid evaporative ionization mass spectrometry in the analysis of <i>species—a potential new tool in entomology. Open Biology, 2020, 10, 200196.</i>	Drosophila	1.5	7
554	Chapter 4 Communication as the Basis for Biorational Control. , 2017, , 78-94.			1
556	Cerambycidae of the World. , 0, , .			56
557	How much is a pheromone worth?. F1000Research, 2016, 5, 1763.		0.8	11
558	Putative Chemosensory Receptors of the Codling Moth, Cydia pomonella, Identified by Transcriptome Analysis. PLoS ONE, 2012, 7, e31620.	Antennal	1.1	166
559	Can Mass Trapping Reduce Thrips Damage and Is It Economically Viable? Management of Flower Thrips in Strawberry. PLoS ONE, 2013, 8, e80787.	of the Western	1.1	63
560	Fine Structure of Antennal Sensilla of Paysandisia archon and Electrophysiological Resp Volatile Compounds Associated with Host Palms. PLoS ONE, 2015, 10, e0124607.	onses to	1.1	27
561	Identification and Differential Expression of a Candidate Sex Pheromone Receptor in Na Populations of Spodoptera litura. PLoS ONE, 2015, 10, e0131407.	tural	1.1	7
562	Chlorantraniliprole as a candidate pesticide used in combination with the attracticides f lepidopteran moths. PLoS ONE, 2017, 12, e0180255.	ior	1.1	17
563	Linear relationship between peak and season-long abundances in insects. PLoS ONE, 20)18, 13, e0193110.	1.1	6
564	Plant volatiles challenge inhibition by structural analogs of the sex pheromone in Lobesi (Lepidoptera: Tortricidae). European Journal of Entomology, 0, 113, 579-586.	ia botrana	1.2	8
565	One Decade's Research Efforts in Hungary to Develop a Bisexual Lure for the Cotto Helicoverpa armigera Hübner. Acta Phytopathologica Et Entomologica Hungarica, 20	n Bollworm 20, 55, 79-88.	0.1	7
566	Identification and field evaluation of a new blend of the sex pheromone of Hypsipyla gra Pesquisa Agropecuaria Brasileira, 2017, 52, 977-986.	andella.	0.9	4
567	A study of the Zygaenidae (Lepidoptera) fauna of Central Anatolia, Turkey. Turkiye Ento 0, , 189-199.	moloji Dergisi,	0.1	15
568	Advances in understanding and managing insect pests of forest trees. Burleigh Dodds S Agricultural Science, 2019, , 515-584.	eries in	0.1	7
569	Impacts of Agricultural Pesticides on Terrestrial Ecosystems. , 2011, , 63-87.			50
570	Cebos feromonales para la captura de Spodoptera frugiperda (J. E. Smith) (Lepidoptera: cultivos de maÃz adyacentes a cultivos de fresas. Acta Zoológica Mexicana, 0, , 1-15.	Noctuidae) en	1.1	5

#	Article	IF	Citations
571	A pheromone lure for catching fall armyworm males (Lepidoptera: Noctuidae) in Mexico. Acta Zoológica Mexicana, 0, , 1-11.	1.1	6
572	Vai trò cá»§a hydrocarbon biểu bì trong pheromone giá»›i tÃnh cá»§a sâu đục dây khoai lang Omphisa Gueneé (Lepidoptera: Crambidae). Tap Chi Khoa Hoc = Journal of Science, 2017, 53, 97.	anastom 0.1	oşalis
574	Development and commercialisation of pheromone products in New Zealand. New Zealand Plant Protection, 0, 65, 267-273.	0.3	4
575	Promoting innovation through a new group standard for straightchained lepidopteran sex pheromones. New Zealand Plant Protection, 0, 65, 274-280.	0.3	3
576	Physiological and Pathogenical Characterization of Beauveria bassiana and Metarhizium anisopliae Isolates for Management of Adult Spodoptera frugiperda1. Southwestern Entomologist, 2019, 44, 409.	0.1	10
578	Seasonal Adult Occurrence of Four Clearwing Moths in Suwon Orchards. Korean Journal of Applied Entomology, 2012, 51, 443-447.	0.3	3
579	Perspectives for Diagnosis and Control of Leishmaniasis Based on Volatile Organic Compounds. , 0, , .		1
580	Biological Invasion of Tomato Leaf Miner, Tuta absoluta (Meyrick) in Nigeria: Problems and Management Strategies Optimization: A Review. Asian Journal of Agricultural and Horticultural Research, 2018, 1, 1-14.	0.2	7
581	Pheromone-Mediated Mating Disruption as Management Option for Cydia spp. in Chestnut Orchard. Insects, 2021, 12, 905.	1.0	4
582	Molecular characterization of sex pheromone binding proteins from Holotrichia oblita (Coleoptera:) Tj ETQq1 1 0.	784314 rg 3.6	gBT /Overlo
583	Production of Volatile Moth Sex Pheromones in Transgenic <i>Nicotiana benthamiana</i> Plants. Biodesign Research, 2021, 2021, .	0.8	14
584	Multiple species mating disruption of leafrollers in cherries in Central Otago. New Zealand Plant Protection, 0, 66, 132-137.	0.3	0
585	Is Mass Trapping Technique useful for the Control of the Tomato Leafminer, Tuta absoluta (Lepidoptera: Gelechiidae)?. Greener Journal of Agronomy Forestry and Horticulture, 2014, 2, 044-061.	0.0	0
586	Comparison of Pheromone lures used in mass trapping to control the tomato leafminer Tuta Absoluta (Meyrick, 1917) in industrial tomato crops in Plovdiv (Bulgaria). Agricultural Sciences, 2016, VIII, 53-60.	0.1	1
587	Effect of larval diet on females` attraction of Ectomyelois Ceratoniae Zeller (Lepidoptera: Pyralidae) in pheromone traps. , 2016, 14, 39-46.		2
588	Mating Disruption: Progress and Perspective for Application to Non-lepidopteran Insects. Japanese Journal of Applied Entomology and Zoology, 2017, 61, 63-71.	0.5	2
590	Pheromone. , 2018, , 1-11.		1
591	FEROMONA SEXUAL Y HONGOS ENTOMOPATÓGENOS: UN PLUS EN SU APROVECHAMIENTO EN EL MANEJO INTEGRADO DE PLAGAS. Biotecnia, 2018, 20, 28-34.	0.1	1

#	TICLE		CITATIONS
592	War against old world bollworm, helicoverpa armigera (HUBNER): past, present and future. Progressive Agriculture, 2019, 19, 186.	0.1	0
595	Efficacy of communication disruption of Thaumetopoea pityocampa (Lepidoptera: Thaumetopoeidae) with low pheromone formulation. Hellenic Plant Protection Journal, 2020, 13, 42-53.	0.4	0
596	Comparing Performance of Synthetic Sex Attractants and a Semisynthetic Bisexual Lure in Orthosia and Conistra Species (Lepidoptera: Noctuidae). Acta Phytopathologica Et Entomologica Hungarica, 2020, 55, 115-122.	0.1	4
597	Sensing of Airborne Infochemicals for Green Pest Management: What Is the Challenge?. ACS Sensors, 2021, 6, 3824-3840.	4.0	13
598	Biosynthesis of 2-Heptanone, a Volatile Organic Compound with a Protective Role against Honey Bee Pathogens, by Hive Associated Bacteria. Microorganisms, 2021, 9, 2218.	1.6	4
599	Behavioral manipulation of <i>Drosophila suzukii</i> for pest control: high attraction to yeast enhances insecticide efficacy when applied on leaves. Pest Management Science, 2022, 78, 896-904.	1.7	12
600	Integrated pest management of Tuta absoluta: practical implementations across different worldÂregions. Journal of Pest Science, 2022, 95, 17-39.	1.9	95
602	Integrated Pest Management: AÂParadigm for Modern Age. , 0, , .		5
603	Leds and semiochemicals vs. sex pheromones: tests of the european corn borer attractivity in the Krasnodar territory. , 2020, 103, 269-273.	0.4	2
604	Morphological Characterization of the Antennal Sensilla of the Afrotropical Sand Fly, <i>Phlebotomus duboscqi</i> (Diptera: Psychodidae). Journal of Medical Entomology, 2021, 58, 634-645.	0.9	3
605	Progress and Challenges in Building Monitoring Systems for Drosophila suzukii. , 2020, , 111-132.		5
606	Functional Diversity of Infochemicals in Agri-Ecological Networks. , 2020, , 187-208.		3
608	Nonchemical Pest Management Approaches in Tea Ecosystem: Evading the Pesticide Trap. , 2020, , 255-272.		1
609	Current Knowledge on the Migratory Moth Autographa gamma as Basis for Future Chemo-ecological Research. Progress in Biological Control, 2020, , 191-200.	0.5	1
610	Non-Target Insects Captured in Sex Pheromone Traps of Spodoptera frugiperda in Sorghum Surrounded by Other Crops and Weeds. Southwestern Entomologist, 2020, 45, .	0.1	1
612	Pheromones as management tools for non-Scolytinae Curculionidae: development and implementation considerations. Southern Forests, 2020, 82, 202-214.	0.2	0
614	Biopesticides for management of arthropod pests and weeds. , 2022, , 7-18.		3
615	Developments in Fatty Acid-Derived Insect Pheromone Production Using Engineered Yeasts. Frontiers in Microbiology, 2021, 12, 759975.	1.5	2

#	Article	IF	CITATIONS
616	Total Stereospecific Synthesis of (3E,7Z)-Tetradecadienyl Acetate, the Major Sex Pheromone Component of the Potato Pest Symmetrischema tangolias. Chemistry of Natural Compounds, 2021, 57, 1000-1004.	0.2	1
617	Both male―and femaleâ€produced pheromones influence Colorado potato beetle movement in the field. Pest Management Science, 2022, 78, 3795-3803.	1.7	4
618	Developments in the Catalytic Asymmetric Synthesis of Agrochemicals and Their Synthetic Importance. Journal of Agricultural and Food Chemistry, 2021, 69, 14761-14780.	2.4	13
619	Green Chemistry Production of Codlemone, the Sex Pheromone of the Codling Moth (Cydia) Tj ETQq1 1 0.784314 Chemical Ecology, 2021, 47, 950-967.	⊦rgBT /Ov 0.9	erlock 10 T 12
620	PROTECTION OF THE SOYBEAN CROP AGROECOSYSTEM THROUGH INNOVATIVE TECHNOLOGIES. , 0, 13, 68-75.		0
621	Enhancement of attraction to sex pheromone of Grapholita molesta (Busck) (Lepidoptera: Tortricidae) by structurally unrelated sex pheromone compounds of Conogethes punctiferalis (Guenée) (Lepidoptera: Crambidae). Journal of Asia-Pacific Entomology, 2022, 25, 101859.	0.4	1
622	Sensing of pheromones from Euschistus heros (F.) stink bugs by nanosensors. Sensors and Actuators Reports, 2022, 4, 100071.	2.3	3
623	The importance of direct and indirect trophic interactions in determining the presence of a locally rare day-flying moth. Oecologia, 2022, 198, 531.	0.9	0
624	Volatile Organic Compound Profiles From Wheat Diseases Are Pathogen-Specific and Can Be Exploited for Disease Classification. Frontiers in Microbiology, 2021, 12, 803352.	1.5	7
625	Behavior of female adult Pacific lamprey (Entosphenus tridentatus) exposed to natural and synthesized odors. Journal of Fish and Wildlife Management, 0, , .	0.4	1
626	Biotremology: Vibrational communication of Psylloidea. Arthropod Structure and Development, 2022, 66, 101138.	0.8	6
627	Laboratory investigation of pheromone preâ€exposure in Lobesia botrana males indicates minor role of desensitization in the field. Physiological Entomology, 0, , .	0.6	0
628	Influence of weather conditions on Lobesia botrana (Lepidoptera: Tortricidae) mating disruption dispensers' emission rates and efficacy. Crop Protection, 2022, 155, 105926.	1.0	7
629	Trends in the study of insect sex pheromones and their use in pest management. Journal of Japan Association on Odor Environment, 2022, 53, 25-36.	0.1	0
630	Nano-pesticides: the lunch-box principle—deadly goodies (semio-chemical functionalised) Tj ETQq0 0 0 rgBT /Ove 13.	erlock 10 ⁻ 4.2	Tf 50 187 T 13
631	Development of Temporal Model for Forecasting of <i>Helicoverpa armigera</i> (Noctuidae:) Tj ETQq1 1 0.78431	4_rgBT /O\ 0.8	verlock 10 T
632	Sex Pheromone Receptors of Lepidopteran Insects. Frontiers in Ecology and Evolution, 2022, 10, .	1.1	4
633	Precisely forecasting population dynamics of agricultural pests based on an interval type-2 fuzzy logic system: case study for oriental fruit flies and the tobacco cutworms. Precision Agriculture, 0, , 1.	3.1	5

#	Article	IF	CITATIONS
635	Sex Pheromones of the Potato Tuber Moth (Phthorimaea operculella). Frontiers in Chemistry, 2022, 10, 882400.	1.8	0
636	Release of moth pheromone compounds from Nicotiana benthamiana upon transient expression of heterologous biosynthetic genes. BMC Biology, 2022, 20, 80.	1.7	8
637	Identification of giant hornet Vespa mandarinia queen sex pheromone components. Current Biology, 2022, 32, R211-R212.	1.8	1
638	Mitigating an Epidemic of Resistance with Integrated Disease Management Tactics: Conflicting Management Recommendations from Insecticide Resistance and Epidemiological Models. Phytopathology, 2022, 112, 1753-1765.	1.1	3
639	<i>Hanseniaspora uvarum</i> Attracts <i>Drosophila suzukii</i> (Diptera: Drosophilidae) With High Specificity. Journal of Economic Entomology, 2022, 115, 999-1007.	0.8	5
640	Long term stability of cantilever gas nanosensors to detect Euschistus heros (F.) pheromone release by rubber septa. Sensors and Actuators B: Chemical, 2022, 359, 131566.	4.0	4
641	Expressional and functional comparisons of five clustered odorant binding proteins in the brown marmorated stink bug Halyomorpha halys. International Journal of Biological Macromolecules, 2022, 206, 759-767.	3.6	8
642	Organic Control Strategies for Use in IPM of Invertebrate Pests in Apple and Pear Orchards. Insects, 2021, 12, 1106.	1.0	10
643	Addition of 4â€oxoisophorone improves performance of bisexual lure for <i>Autographa gamma</i> (L.) (Lepidoptera: Noctuidae). Journal of Applied Entomology, 2022, 146, 328-334.	0.8	6
644	Enantiomeric Discrimination in Insects: The Role of OBPs and ORs. Insects, 2022, 13, 368.	1.0	14
648	Pest control strategies for <i>Leucinodes orbonalis</i> Guene-a review. International Journal of Pest Management, 0, , 1-14.	0.9	0
649	Substrateâ€borne vibrational signals and stridulatory organs for sexual communication in leafminer, <i>Liriomyza sativae</i> (Diptera: Agromyzidae). Insect Science, 2022, , .	1.5	1
650	THE DYNAMICS OF TOMATO LEAFMINER TUTA ABSOLUTA (MEYRICH, 1917) (LEPIDOPTERA: GELECHIIDAE) IN PROTECTED TOMATO CROPS FROM MUNTENIA REGION (ROMANIA). , 0, 14, 141-148.		0
651	Combination of the Systemin peptide with the beneficial fungus <i>Trichoderma afroharzianum</i> T22 improves plant defense responses against pests and diseases. Journal of Plant Interactions, 2022, 17, 569-579.	1.0	6
653	Pheromone. , 2022, , 5215-5226.		0
654	Not Only Systemin: Prosystemin Harbors Other Active Regions Able to Protect Tomato Plants. Frontiers in Plant Science, 2022, 13, .	1.7	2
656	Biopesticidal potentials of animal and plant exudates and chemical communicators. , 2022, , 181-194.		0
659	Unveiling Chemical Cues of Insect-Tree and Insect-Insect Interactions for the Eucalyptus Weevil and Its Egg Parasitoid by Multidimensional Gas Chromatographic Methods. Molecules, 2022, 27, 4042.	1.7	1

#	Article	IF	CITATIONS
660	Spodoptera frugiperda (Lepidoptera: Noctuidae) Females Can Detect the Sex Pheromone Emitted by Conspecific Females. Florida Entomologist, 2022, 105, .	0.2	2
661	Comparison of Navel Orangeworm Adults Detected with Optical Sensors and Captured with Conventional Sticky Traps. AgriEngineering, 2022, 4, 523-532.	1.7	1
663	Population dynamic monitoring of Phyllocnistis citrella (Lepidoptera: Gracillariidae) using immature stages sampling and male moth pheromone-baited traps. International Journal of Tropical Insect Science, 2022, 42, 3107-3113.	0.4	1
664	Identification and Functional Characterization of Sex Pheromone Receptors in the Oriental Fruit Moth, <i>Grapholita molesta</i> (Lepidoptera: Tortricidae). Journal of Agricultural and Food Chemistry, 2022, 70, 9845-9855.	2.4	0
665	The effect of inactivation of aldehyde dehydrogenase on pheromone production by a gut bacterium of an invasive bark beetle, <i>Dendroctonus valens</i> . Insect Science, 2023, 30, 459-472.	1.5	3
666	Repellence or attraction: secondary metabolites in pepper mediate attraction and defense against <i>Spodoptera litura</i> . Pest Management Science, 2022, 78, 4859-4870.	1.7	4
667	The Use of Biopesticides for Sustainable Farming: Way Forward toward Sustainable Development Goals (SDGs). , 2022, , 571-596.		1
668	Field tests of candidate pheromone blends show promise for mating disruption of the invasive swede midge (Diptera: Cecidomyiidae). Canadian Entomologist, 2022, 154, .	0.4	0
669	Development of a high-efficiency sex pheromone formula to control Euproctis pseudoconspersa. Journal of Integrative Agriculture, 2022, , .	1.7	0
670	Comparative assessment of Auto Regressive Integrated Moving Average with Explanatory variable (ARIMAX) and Neural Network Autoregressive models with Exogeneous inputs (NNARX) for forecasting the old-world bollworm, Helicoverpa armigera (Lepidoptera: Noctuidae) in India. International lournal of Tropical Insect Science, 0,	0.4	0
672	Comparison of intercept trap fluids and aerial spore collectors to survey fungal spores. Frontiers in Forests and Global Change, 0, 5, .	1.0	1
673	Systematic Mapping and Review of Landscape Fire Smoke (LFS) Exposure Impacts on Insects. Environmental Entomology, 2022, 51, 871-884.	0.7	3
675	Male <i>Grapholita molesta</i> (Busck) adults responding to various component combinations of synthetic female sex pheromone. Entomological Research, 2022, 52, 394-403.	0.6	0
676	Management of yellow stem borer in a paddy ecosystem using SPLAT mating disruption techniques. Cereal Research Communications, 2023, 51, 495-508.	0.8	1
677	Insect pest management with sex pheromone precursors from engineered oilseed plants. Nature Sustainability, 2022, 5, 981-990.	11.5	11
678	A traça-da-uva, <i>Lobesia botrana</i> , na Região Demarcada do Douro: Efeito da sub-região, ano, geração e casta, na intensidade do ataque da praga. Ciencia E Tecnica Vitivinicola, 2022, 37, 126-138.	0.3	0
679	Complementary Strategies for Biological Control of Aphids and Related Virus Transmission in Sugar Beet to Replace Neonicotinoids. Agriculture (Switzerland), 2022, 12, 1663.	1.4	1
680	Origin, structure and functional transition of sex pheromone components in a false widow spider. Communications Biology, 2022, 5, .	2.0	3

		EPUKI	
#	Article	IF	CITATIONS
681	Dispensers for pheromonal pest control. Journal of Environmental Management, 2023, 325, 116590.	3.8	2
682	Identification and Field Evaluation of Sex Pheromone Components and Its Antagonist Produced by a Major Tea Pest, Archips strojny (Lepidoptera: Tortricidae). Insects, 2022, 13, 1056.	1.0	2
683	A Chemical Lure for Trapping Both Sexes of Amata phegea L. Insects, 2022, 13, 1051.	1.0	1
684	Asian corn borer (Ostrinia furnacalis Gn., Lepidoptera: Crambidae): Attraction to a bisexual lure and comparison of performance with synthetic sex pheromone. Acta Phytopathologica Et Entomologica Hungarica, 2022, 57, 148-164.	0.1	1
685	Sustainable Agriculture and Cultivation Practices. , 2023, , .		1
686	Knockout of the odorant receptor co-receptor, orco, impairs feeding, mating and egg-laying behavior in the fall armyworm Spodoptera frugiperda. Insect Biochemistry and Molecular Biology, 2023, 152, 103889.	1.2	8
687	Male attraction of <i>Gymnandrosoma aurantianum</i> (Lepidoptera: Tortricidae), from Guatemala, to its sex pheromone major component is not affected by the addition of secondary components. Canadian Entomologist, 2022, 154, .	0.4	1
688	Responses of green lacewings to semiochemicals: species- and sex-specificity (Neuroptera:) Tj ETQq1 1 0.78431	4 rgBT /O	verlock 10 Tf
689	Development of a pheromone monitoring system for the goosefoot groundling moth, Scrobipalpa atriplicella (von RA¶slerstamm) in quinoa, Chenopodium quinoa (Willdenow). Crop Protection, 2023, 165, 106166.	1.0	1
690	Functional conservation of Anopheline linalool receptors through 100 million years of evolution. Chemical Senses, 2022, 47, .	1.1	1
692	Metal–Organic Frameworks as Potential Agents for Extraction and Delivery of Pesticides and Agrochemicals. ACS Omega, 2022, 7, 45910-45934.	1.6	12
693	Monitoring of the diamondback moth (<i>Plutella xylostella</i> L.) on the <i>Brassica oleracea</i> L. collection in the vicinity of St. Petersburg. Proceedings on Applied Botany, Genetics and Breeding, 2022, 183, 219-228.	0.1	1
694	Identification and determination of (Z)-11-hexadecenal in sex pheromone of Helicoverpa armigera by GC–MS and bacterial bioluminescence methods. Journal of the Iranian Chemical Society, 0, , .	1.2	0
695	Insect Pest Pheromone Lures May Enhance the Activity of Insectivorous Bats in Mediterranean Vineyards and Apple Orchards. Sustainability, 2022, 14, 16566.	1.6	3
696	Intertwining Olefin Thianthrenation with Kornblum/Ganem Oxidations: Eneâ€ŧype Oxidation to Furnish α,βâ€Unsaturated Carbonyls. Angewandte Chemie, 0, , .	1.6	0
697	Intertwining Olefin Thianthrenation with Kornblum/Ganem Oxidations: Eneâ€ŧype Oxidation to Furnish α,βâ€Unsaturated Carbonyls. Angewandte Chemie - International Edition, 2023, 62, .	7.2	13
698	1-octadecene, A Female Produced Aggregation Pheromone of the Coffee White Stem Borer (Xylotrechus quadripes). Horticulturae, 2023, 9, 173.	1.2	1
699	A Deep-Learning-Based Detection Approach for the Identification of Insect Species of Economic Importance. Insects, 2023, 14, 148.	1.0	9

		CHAHON REPORT	
#	Article	IF	CITATIONS
700	Automatic Detection of Moths (Lepidoptera) with a Funnel Trap Prototype. Insects, 2023, 14	ł, 381. 1.0	4
701	Controlling the Behavior of Harmful Insects: Light and Chemical Signals and Their Combined Entomological Review, 2022, 102, 782-819.	Action. 0.1	0
702	Big Data and Machine Learning to Improve European Grapevine Moth (Lobesia botrana) Pred Plants, 2023, 12, 633.	lictions. 1.6	2
703	An application of the synthetic sex attractants from the series "EFETOV-2―for studying Italy (Lepidoptera: Zygaenidae). , 2020, 48, 733-749.	Procridinae in	6
704	Performance of pheromone and light traps in monitoring and management of tomato leafmi absoluta (Lepidoptera: Gelechiidae). Journal of the Saudi Society of Agricultural Sciences, 20	ner, Tuta 1.0 23, , .	0
705	Total synthesis of insect sex pheromones: recent improvements based on iron-mediated cros chemistry. Beilstein Journal of Organic Chemistry, 0, 19, 158-166.	s-coupling 1.3	1
707	Moonlight and Rainfall Influence Efficacy of Sex Pheromones in Controlling Spodoptera exig (Lepidoptera: Noctuidae) on Shallot. IOP Conference Series: Earth and Environmental Scienc 1165, 012009.	Ja e, 2023, 0.2	0
708	Development and commercialization of pheromone-based biopesticides. , 2023, , 37-56.		0
722	Pheromone-Based Techniques in Sustainable Pest Management. , 0, , .		0
729	Emerging trends in insect sex pheromones and traps for sustainable management of key agr pests in Asia: beyond insecticides—a comprehensive review. International Journal of Tropica Science, 2023, 43, 1867-1882.	icultural al Insect 0.4	2
736	Disrupting pest reproduction techniques can replace pesticides in vineyards. A review. Agron Sustainable Development, 2023, 43, .	omy for 2.2	2
742	Ecofriendly Management of Insect Pests for Sustainable Agriculture. , 2023, , 931-957.		0
747	An IoT-Based Pest Detection and Alert System for Farmers Using CNN-LSTM Approach. , 202	3, , .	0