

Alan L Knight

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

1,501
citations

304743

22
h-index

345221

36
g-index

57
all docs

57
docs citations

57
times ranked

870
citing authors

#	ARTICLE	IF	CITATIONS
1	A pear-derived kairomone with pheromonal potency that attracts male and female codling moth, <i>Cydia pomonella</i> (L.). <i>Die Naturwissenschaften</i> , 2001, 88, 333-338.	1.6	222
2	“This is not an Apple” – Yeast Mutualism in Codling Moth. <i>Journal of Chemical Ecology</i> , 2012, 38, 949-957.	1.8	91
3	Survey of Azinphosmethyl Resistance in Codling Moth (Lepidoptera: Tortricidae) in Washington and Utah. <i>Journal of Economic Entomology</i> , 1994, 87, 285-292.	1.8	88
4	Attractants from Bartlett pear for codling moth, <i>Cydia pomonella</i> (L.), larvae. <i>Die Naturwissenschaften</i> , 2001, 88, 339-342.	1.6	77
5	Factors affecting the efficacy of a vinegar trap for <i>Drosophila suzukii</i> (Diptera: Drosophilidae). <i>Journal of Applied Entomology</i> , 2013, 137, 561-570.	1.8	62
6	Neural coding merges sex and habitat chemosensory signals in an insect herbivore. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20130267.	2.6	56
7	Identifying (E-)-4,8-Dimethyl-1,3,7-Nonatriene Plus Acetic Acid as a New Lure for Male and Female Codling Moth (Lepidoptera: Tortricidae). <i>Environmental Entomology</i> , 2011, 40, 420-430.	1.4	49
8	Specificity of Codling Moth (Lepidoptera: Tortricidae) for the Host Plant Kairomone, Ethyl (2E,4Z)-2,4-Decadienoate: A Field Bioassays with Pome Fruit Volatiles, Analogue, and Isomeric Compounds. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 4046-4053.	5.2	43
9	Vertical distribution of codling moth adults in pheromone-treated and untreated plots. <i>Entomologia Experimentalis Et Applicata</i> , 1995, 77, 271-275.	1.4	39
10	Caterpillar-induced plant volatiles attract conspecific adults in nature. <i>Scientific Reports</i> , 2016, 6, 37555.	3.3	39
11	Factors Affecting the Differential Capture of Male and Female Codling Moth (Lepidoptera: Tortricidae) in Traps Baited with Ethyl (E)-2,4-Decadienoate. <i>Environmental Entomology</i> , 2005, 34, 1161-1169.	1.4	35
12	Factors Affecting the Differential Capture of Male and Female Codling Moth (Lepidoptera: Tortricidae) in Traps Baited with Ethyl (E)-2,4-Decadienoate. <i>Environmental Entomology</i> , 2005, 34, 1161-1169.	1.4	34
13	Improved Monitoring of Female Codling Moth (Lepidoptera: Tortricidae) With Pear Ester Plus Acetic Acid in Sex Pheromone-Treated Orchards. <i>Environmental Entomology</i> , 2010, 39, 1283-1290.	1.4	31
14	Emission of Volatile Compounds from Apple Plants Infested with <i>Pandemis heparana</i> Larvae, Antennal Response of Conspecific Adults, and Preliminary Field Trial. <i>Journal of Chemical Ecology</i> , 2016, 42, 1265-1280.	1.8	30
15	Adding yeasts with sugar to increase the number of effective insecticide classes to manage <i>Drosophila suzukii</i> (Matsumura) (Diptera: Drosophilidae) in cherry. <i>Pest Management Science</i> , 2016, 72, 1482-1490.	3.4	27
16	Increased Catch of Codling Moth (Lepidoptera: Tortricidae) in Semiochemical-Baited Orange Plastic Delta-Shaped Traps. <i>Environmental Entomology</i> , 2006, 35, 1597-1602.	1.4	26
17	Combining Mutualistic Yeast and Pathogenic Virus – A Novel Method for Codling Moth Control. <i>Journal of Chemical Ecology</i> , 2013, 39, 1019-1026.	1.8	25
18	Monitoring oriental fruit moth and codling moth (Lepidoptera: Tortricidae) with combinations of pheromones and kairomones. <i>Journal of Applied Entomology</i> , 2014, 138, 783-794.	1.8	24

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19	Monitoring Codling Moth (Lepidoptera: Tortricidae) with Passive Interception Traps in Sex Pheromone-Treated Apple Orchards. <i>Journal of Economic Entomology</i> , 2000, 93, 1744-1751.	1.8	23
20	Baseline Monitoring of Codling Moth (Lepidoptera: Tortricidae) Larval Response to Benzoylhydrazine Insecticides. <i>Journal of Economic Entomology</i> , 2001, 94, 264-270.	1.8	23
21	Cross-resistance between azinphos-methyl and acetamiprid in populations of codling moth, <i>Cydia pomonella</i> (L.) (Lepidoptera: Tortricidae), from Washington State. <i>Pest Management Science</i> , 2010, 66, 865-874.	3.4	23
22	Apple Volatiles Synergize the Response of Codling Moth to Pear Ester. <i>Journal of Chemical Ecology</i> , 2013, 39, 643-652.	1.8	23
23	Volatiles of Grape Inoculated with Microorganisms: Modulation of Grapevine Moth Oviposition and Field Attraction. <i>Microbial Ecology</i> , 2018, 76, 751-761.	2.8	23
24	Monitoring Codling Moth (Lepidoptera: Tortricidae) in Sex Pheromone-Treated Orchards With (E,E)-4,8-Dimethyl-1,3,7-Nonatriene or Pear Ester in Combination With Codlemone and Acetic Acid. <i>Environmental Entomology</i> , 2012, 41, 407-414.	1.4	22
25	Increased Catch of Female Codling Moth (Lepidoptera: Tortricidae) in Kairomone-Baited Clear Delta Traps. <i>Environmental Entomology</i> , 2010, 39, 583-590.	1.4	20
26	Mating Disruption of <i>Pandemis</i> spp. (Lepidoptera: Tortricidae). <i>Environmental Entomology</i> , 1999, 28, 81-87.	1.4	19
27	Modeling codling moth (Lepidoptera: Tortricidae) phenology and predicting egg hatch in apple orchards of the Maule Region, Chile. <i>Chilean Journal of Agricultural Research</i> , 2015, 75, 57-62.	1.1	19
28	Addition of terpenoids to pear ester plus acetic acid increases catches of codling moth (Lepidoptera: Tortricidae) in traps. <i>Journal of Applied Entomology</i> , 2018, 142, 731-744.	1.8	19
29	Diel rhythms in the volatile emission of apple and grape foliage. <i>Phytochemistry</i> , 2017, 138, 104-115.	2.9	17
30	Microbial control of lepidopteran pests of apple orchards. <i>Journal of Applied Entomology</i> , 2007, 141, 729-739.		17
31	Improved monitoring of oriental fruit moth (Lepidoptera: Tortricidae) with terpinyl acetate plus acetic acid membrane lures. <i>Journal of Applied Entomology</i> , 2018, 142, 731-744.	1.8	14
32	Development of 2-phenylethanol plus acetic acid lures to monitor obliquebanded leafroller (Lepidoptera: Tortricidae) under mating disruption. <i>Journal of Applied Entomology</i> , 2017, 141, 729-739.	1.8	13
33	Assessing the Mating Status of Female Codling Moth (Lepidoptera: Tortricidae) in Orchards Treated with Sex Pheromone Using Traps Baited with Ethyl (E,Z)-2,4-Decadienoate. <i>Environmental Entomology</i> , 2006, 35, 894-900.	1.4	12
34	Targeting <i>Cydia pomonella</i> (L.) (Lepidoptera: Tortricidae) adults with low-volume applications of insecticides alone and in combination with sex pheromone. <i>Pest Management Science</i> , 2010, 66, 709-717.	3.4	12
35	Microencapsulated Pear Ester Enhances Insecticide Efficacy in Walnuts for Codling Moth (Lepidoptera: Tortricidae) and Navel Orangeworm (Lepidoptera: Pyralidae). <i>Journal of Economic Entomology</i> , 2011, 104, 1309-1315.	1.8	12
36	Combined approaches using sex pheromone and pear ester for behavioural disruption of codling moth (Lepidoptera: Tortricidae). <i>Journal of Applied Entomology</i> , 2014, 138, 96-108.	1.8	12

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37	Improving the Performance of the Granulosis Virus of Codling Moth (Lepidoptera: Tortricidae) by Adding the Yeast <i>Saccharomyces cerevisiae</i> with Sugar. <i>Environmental Entomology</i> , 2015, 44, 252-259.	1.4	12
38	Development of kairomone-based lures and traps targeting <i>Spilonota ocellana</i> (Lepidoptera: Tortricidae) in apple orchards. <i>Environmental Entomology</i> , 2017, 46, 1010-1017.	0.8	12
39	Monitoring codling moth (Lepidoptera: Tortricidae) with a four-component volatile blend compared to a sex pheromone-based blend. <i>Journal of Applied Entomology</i> , 2019, 143, 942-947.	1.8	12
40	Adding microencapsulated pear ester to insecticides for control of <i>Cydia pomonella</i> (Lepidoptera: Tortricidae) in apple. <i>Pest Management Science</i> , 2013, 69, 66-74.	3.4	11
41	Monitoring oriental fruit moth (Lepidoptera: Tortricidae) with the Ajar bait trap in orchards under mating disruption. <i>Journal of Applied Entomology</i> , 2013, 137, 650-660.	1.8	11
42	Survey of conspecific herbivore-induced volatiles from apple as possible attractants for <i>Pandemis pyrusana</i> (Lepidoptera: Tortricidae). <i>Pest Management Science</i> , 2017, 73, 1837-1845.	3.4	11
43	Comparison of New Kairomone-Based Lures for <i>Cydia pomonella</i> (Lepidoptera: Tortricidae) in Italy and USA. <i>Insects</i> , 2021, 12, 72.	2.2	11
44	Evaluating Dispensers Loaded With Codlemone and Pear Ester for Disruption of Codling Moth (Lepidoptera: Tortricidae). <i>Environmental Entomology</i> , 2012, 41, 399-406.	1.4	10
45	A Binary Host Plant Volatile Lure Combined With Acetic Acid to Monitor Codling Moth (Lepidoptera: Tortricidae) in Apple Orchards. <i>Environmental Entomology</i> , 2017, 46, 1010-1017.	1.4	10
46	Variability in the efficacy of sex pheromone lures for monitoring oriental fruit moth (Lepidoptera: Tortricidae) in apple orchards. <i>Environmental Entomology</i> , 2017, 46, 1010-1017.	1.8	10
47	Measuring Local Genetic Variability in Populations of Codling Moth (Lepidoptera: Tortricidae) Across an Unmanaged and Commercial Orchard Interface. <i>Environmental Entomology</i> , 2014, 43, 520-527.	1.4	8
48	Evaluating the Use of Phenylacetonitrile Plus Acetic Acid to Monitor <i>Pandemis pyrusana</i> and <i>Cydia pomonella</i> (Lepidoptera: Tortricidae) in Apple. <i>Florida Entomologist</i> , 2017, 100, 761-766.	0.5	8
49	Pear Ester "From Discovery to Delivery for Improved Codling Moth Management. <i>ACS Symposium Series</i> , 2018, , 83-113.	0.5	8
50	Improved Monitoring of <i>Grapholita molesta</i> (Lepidoptera: Tortricidae) in Stone Fruit Orchards with a Pheromone-Kairomone Combination Lure. <i>Insects</i> , 2020, 11, 412.	2.2	8
51	Acetic acid lure placement within traps affects moth catches of codling moth (Lepidoptera: Tortricidae) in apple orchards. <i>Environmental Entomology</i> , 2017, 46, 1010-1017.	1.8	7
52	Trapping <i>Pandemis limitata</i> (Lepidoptera: Tortricidae) moths with mixtures of acetic acid, caterpillar-induced apple-leaf volatiles, and sex pheromone. <i>Canadian Entomologist</i> , 2017, 149, 813-822.	0.8	7
53	An evaluation of orange and clear traps with pear ester to monitor codling moth (Lepidoptera: Tortricidae) in apple orchards. <i>Environmental Entomology</i> , 2017, 46, 1010-1017.	0.2	7
54	Importance of trap liner adhesive selection for male moth catch (Lepidoptera: Tortricidae) with bisexual attractants. <i>Journal of Applied Entomology</i> , 2019, 143, 95-104.	1.8	6

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55	Addition of Pear Ester With Sex Pheromone Enhances Disruption of Mating by Female Codling Moth (Lepidoptera: Tortricidae) in Walnut Orchards Treated with Meso Dispensers. <i>Environmental Entomology</i> , 2017, 46, 319-327.	1.4	5
56	Monitoring and discrimination of Pandemis moths in apple orchards using semiochemicals, wing pattern morphology and DNA barcoding. <i>Crop Protection</i> , 2020, 132, 105110.	2.1	5
57	Creating Point Sources for Codling Moth (Lepidoptera: Tortricidae) with Low-Volume Sprays of a Microencapsulated Sex Pheromone Formulation. <i>Environmental Entomology</i> , 2008, 37, 1136-1144.	1.4	1