

Maya Evenden

List of Publications by Year in descending order

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103
papers

1,413
citations

361413

20
h-index

454955

30
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103
all docs

103
docs citations

103
times ranked

1089
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical similarity between historical and novel host plants promotes range and host expansion of the mountain pine beetle in a naïve host ecosystem. <i>New Phytologist</i> , 2014, 201, 940-950.	7.3	115
2	Factors Influencing Flight Capacity of the Mountain Pine Beetle (Coleoptera: Curculionidae). <i>Overlook 10 If 50 702 T</i>	1.4	59
3	Effect of Water Stress and Fungal Inoculation on Monoterpene Emission from an Historical and a New Pine Host of the Mountain Pine Beetle. <i>Journal of Chemical Ecology</i> , 2011, 37, 1013-1026.	1.8	47
4	Effects of nutrition and methoprene treatment upon reproductive diapause in <i>Caloptilia fraxinella</i> (Lepidoptera: Gracillariidae). <i>Physiological Entomology</i> , 2007, 32, 275-282.	1.5	42
5	Mating Disruption of Two Sympatric, Orchard-Inhabiting Tortricids, <i>Choristoneura rosaceana</i> and <i>Pandemis limitata</i> (Lepidoptera: Tortricidae), with Pheromone Components of Both Species' Blends. <i>Journal of Economic Entomology</i> , 1999, 92, 380-390.	1.8	41
6	Pheromone-mediated mating disruption of <i>Choristoneura rosaceana</i> : is the most attractive blend really the most effective?. <i>Entomologia Experimentalis Et Applicata</i> , 1999, 90, 37-47.	1.4	39
7	When mating disruption does not disrupt mating: fitness consequences of delayed mating in moths. <i>Entomologia Experimentalis Et Applicata</i> , 2013, 146, 50-65.	1.4	38
8	Water-deficit and fungal infection can differentially affect the production of different classes of defense compounds in two host pines of mountain pine beetle. <i>Tree Physiology</i> , 2017, 37, 338-350.	3.1	35
9	Title is missing!. <i>Journal of Chemical Ecology</i> , 1999, 25, 501-517.	1.8	33
10	The Lodgepole – Jack Pine Hybrid Zone in Alberta, Canada: A Stepping Stone for the Mountain Pine Beetle on its Journey East Across the Boreal Forest?. <i>Journal of Chemical Ecology</i> , 2013, 39, 1209-1220.	1.8	32
11	Factors influencing dispersal by flight in bark beetles (Coleoptera: Curculionidae: Scolytinae): from genes to landscapes. <i>Canadian Journal of Forest Research</i> , 2019, 49, 1024-1041.	1.7	31
12	Potential for the evolution of resistance to pheromone-based mating disruption tested using two pheromone strains of the cabbage looper, <i>Trichoplusia ni</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2001, 100, 131-134.	1.4	27
13	Title is missing!. <i>Journal of Insect Behavior</i> , 2000, 13, 499-510.	0.7	26
14	The Effect of Water Limitation on Volatile Emission, Tree Defense Response, and Brood Success of <i>Dendroctonus ponderosae</i> in Two Pine Hosts, Lodgepole, and Jack Pine. <i>Frontiers in Ecology and Evolution</i> , 2016, 4, .	2.2	26
15	Aggregation and a strong alle effect in a cooperative outbreak insect. <i>Ecological Applications</i> , 2016, 26, 2623-2636.	3.8	25
16	Factors influencing the effectiveness of an attracticide formulation against the Oriental fruit moth, <i>Grapholita molesta</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2004, 112, 89-97.	1.4	23
17	Influence of Seeding Rate, Nitrogen Management, and Micronutrient Blend Applications on Pith Expression in Solid-STEMMED Spring Wheat. <i>Crop Science</i> , 2012, 52, 1316-1329.	1.8	23
18	Predictive Capabilities of a Pheromone-Based Monitoring System for Western Hemlock Looper (Lepidoptera: Geometridae). <i>Environmental Entomology</i> , 1995, 24, 933-943.	1.4	22

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19	Male Oriental Fruit Moth Response to a Combined Pheromone-Based Attracticide Formulation Targeting Both Oriental Fruit Moth and Codling Moth (Lepidoptera: Tortricidae). <i>Journal of Economic Entomology</i> , 2005, 98, 317-325.	1.8	22
20	Progress Toward Integrated Pest Management of Pea Leaf Weevil: A Review. <i>Annals of the Entomological Society of America</i> , 2018, 111, 144-153.	2.5	22
21	Development of a Pheromone-Based Monitoring System for Western Hemlock Looper (Lepidoptera: Tortricidae). <i>Journal of Economic Entomology</i> , 2013, 106, 923-932.	1.4	21
22	Body Size, Age, and Disease Influence Female Reproductive Performance in <i>Choristoneura conflictana</i> (Lepidoptera: Tortricidae). <i>Annals of the Entomological Society of America</i> , 2006, 99, 837-844.	2.5	21
23	Factors influencing flight potential of <i>Choristoneura conflictana</i> . <i>Physiological Entomology</i> , 2009, 34, 71-78.	1.5	21
24	Development of a Combined Sex Pheromone-based Monitoring System for <i>Malacosoma disstria</i> (Lepidoptera: Lasiocampidae) and <i>Choristoneura conflictana</i> (Lepidoptera: Tortricidae). <i>Journal of Economic Entomology</i> , 2010, 103, 537-544.	1.4	20
25	A synomone imparting distinct sex pheromone communication channels for <i>Choristoneura rosaceana</i> (Harris) and <i>Pandemis limitata</i> (Robinson) (Lepidoptera: Tortricidae). <i>Chemoecology</i> , 1999, 9, 73-80.	1.1	19
26	Peripheral and behavioral plasticity of pheromone response and its hormonal control in a long-lived moth. <i>Journal of Experimental Biology</i> , 2009, 212, 2000-2006.	1.7	19
27	Factors Affecting Pheromone-Baited Trap Capture of Male <i>Coleophora deauratella</i> , an Invasive Pest of Clover in Canada. <i>Journal of Economic Entomology</i> , 2013, 106, 844-854.	1.8	19
28	Initial Development of an Attracticide Formulation Against the Oriental Fruit Moth, <i>Grapholita molesta</i> (Lepidoptera: Tortricidae). <i>Environmental Entomology</i> , 2004, 33, 213-220.	1.4	18
29	Inheritance and evolution of male response to sex pheromone in <i>Trichoplusia ni</i> (Lepidoptera: Tortricidae). <i>Journal of Economic Entomology</i> , 2011, 104, 17-24.	1.1	17
30	Plasticity of male response to sex pheromone depends on physiological state in a long-lived moth. <i>Animal Behaviour</i> , 2008, 75, 663-672.	1.9	16
31	The effect of flight on reproduction in an outbreeding forest lepidopteran. <i>Physiological Entomology</i> , 2012, 37, 219-226.	1.5	16
32	Effect of horticultural oil on oviposition behaviour and egg survival in the obliquebanded leafroller (Lepidoptera: Tortricidae). <i>Canadian Entomologist</i> , 2009, 141, 86-94.	0.8	15
33	Efficacy of Chlorantraniliprole Seed Treatments Against Armyworm (<i>Mythimna unipuncta</i>) on Corn. <i>Journal of Economic Entomology</i> , 2013, 106, 188-195.	1.8	15
34	Phoretic mite associates of mountain pine beetle at the leading edge of an infestation in northwestern Alberta, Canada. <i>Canadian Entomologist</i> , 2011, 143, 44-55.	0.8	14
35	The potential for pheromone-based monitoring to predict larval populations of diamondback moth, <i>Plutella xylostella</i> (L.), in canola (<i>Brassica napus</i> L.). <i>Crop Protection</i> , 2013, 45, 89-97.	2.1	14
36	Biology and management of North American cone-feeding <i>Dioryctria</i> species. <i>Canadian Entomologist</i> , 2011, 143, 1-34.	0.8	13

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37	Resource Allocation to Flight in an Outbreking Forest Defoliator <i>Malacosoma disstria</i> . <i>Environmental Entomology</i> , 2015, 44, 835-845.	1.4	13
38	Evaluation of Semiochemical-Baited Traps for Monitoring the Pea Leaf Weevil, <i>Sitona lineatus</i> (Coleoptera: Curculionidae) in Field Pea Crops. <i>Environmental Entomology</i> , 2018, 47, 93-106.	1.4	13
39	Diversity and abundance of arthropod by-catch in semiochemical-baited traps targeting apple clearwing moth (Lepidoptera: Sesiidae) in organic and conventional apple orchards in British Columbia, Canada. <i>Canadian Entomologist</i> , 2015, 147, 227-243.	0.8	12
40	Environmental conditions terminate reproductive diapause and influence pheromone perception in the long-lived moth <i>Caloptilia fraxinella</i> . <i>Physiological Entomology</i> , 2015, 40, 30-42.	1.5	12
41	Potential for semiochemical-based monitoring of the pea leaf weevil (Coleoptera: Curculionidae) on field pea (Fabaceae) in the Canadian Prairie Provinces. <i>Canadian Entomologist</i> , 2016, 148, 595-602.	0.8	12
42	Morphological variation associated with dispersal capacity in a tree-killing bark beetle <i>Dendroctonus ponderosae</i> Hopkins. <i>Agricultural and Forest Entomology</i> , 2019, 21, 79-87.	1.3	12
43	Genetic diversity and population structure identify the potential source of the invasive red clover casebearer moth, <i>Coleophora deauratella</i> , in North America. <i>Biological Invasions</i> , 2016, 18, 3595-3609.	2.4	11
44	Disruption of Pheromone Communication of <i>Choristoneura rosaceana</i> (Lepidoptera: Tortricidae). <i>Environmental Entomology</i> , 2007, 36, 1189-1198.	1.4	10
45	Ecological applications of pheromone trapping of <i>Malacosoma disstria</i> and <i>Choristoneura conflictana</i> . <i>Canadian Entomologist</i> , 2008, 140, 573-581.	0.8	10
46	Biology of <i>Caloptilia fraxinella</i> (Lepidoptera: Gracillariidae) on ornamental green ash, <i>Fraxinus pennsylvanica</i> (Oleaceae). <i>Canadian Entomologist</i> , 2009, 141, 31-39.	0.8	10
47	Sex pheromone of the red clover casebearer moth, <i>Coleophora deauratella</i> , an invasive pest of clover in Canada. <i>Entomologia Experimentalis Et Applicata</i> , 2010, 137, 255-261.	1.4	10
48	Relationships among male <i>Coleophora deauratella</i> (Lepidoptera: Tortricidae) phenology. <i>Agricultural and Forest Entomology</i> , 2014, 16, 207-215.	1.3	10
49	Challenges of Mating Disruption Using Aerosol-Emitting Pheromone Puffers in Red Clover Seed Production Fields to Control <i>Coleophora deauratella</i> (Lepidoptera: Coleophoridae). <i>Environmental Entomology</i> , 2015, 44, 34-43.	1.4	10
50	The costs of colour: plasticity of melanin pigmentation in an outbreaking polymorphic forest moth. <i>Entomologia Experimentalis Et Applicata</i> , 2015, 154, 242-250.	1.4	10
51	The effect of cold storage of mass-reared codling moths (Lepidoptera: Tortricidae) on subsequent flight capacity. <i>Canadian Entomologist</i> , 2017, 149, 391-398.	0.8	10
52	Semiochemical-Based Management of the Pea Leaf Weevil (Coleoptera: Curculionidae). <i>Annals of the Entomological Society of America</i> , 2018, 111, 154-160.	2.5	10
53	Bumble Bees (Hymenoptera: Apidae) Respond to Moth (Lepidoptera: Noctuidae) Pheromone Components, Leading to Bee Bycatch in Monitoring Traps Targeting Moth Pests. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	10
54	Assessing the Mating Status of Male Obliquebanded Leafrollers <i>Choristoneura rosaceana</i> (Lepidoptera: Tortricidae) by Dissection of Male and Female Moths. <i>Annals of the Entomological Society of America</i> , 2003, 96, 217-224.	2.5	9

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55	Mechanisms of Pheromone Communication Disruption in <i>Choristoneura rosaceana</i> Exposed to Microencapsulated (Z)-11-tetradecenyl Acetate Formulated with and Without Horticultural Oil. <i>Journal of Chemical Ecology</i> , 2008, 34, 1096-1106.	1.8	9
56	Assessment of Commercially Available Pheromone Lures for Monitoring Diamondback Moth (Lepidoptera: Plutellidae) in Canola. <i>Journal of Economic Entomology</i> , 2010, 103, 654-661.	1.8	9
57	Factors Influencing Male <i>Plutella xylostella</i> (Lepidoptera: Plutellidae) Capture Rates in Sex Pheromone-Baited Traps on Canola in Western Canada. <i>Journal of Economic Entomology</i> , 2014, 107, 2067-2076.	1.8	9
58	Forest tent caterpillar, <i>Malacosoma disstria</i> (Lepidoptera: Lasiocampidae), mate-finding behavior is greatest at intermediate population densities: implications for interpretation of moth capture in pheromone-baited traps. <i>Frontiers in Ecology and Evolution</i> , 2015, 3, .	2.2	9
59	The influence of Canadian research on semiochemical-based management of forest insect pests in Canada. <i>Canadian Entomologist</i> , 2016, 148, S170-S209.	0.8	9
60	Energy use by the mountain pine beetle (Coleoptera: Curculionidae: Scolytinae) for dispersal by flight. <i>Physiological Entomology</i> , 2019, 44, 200-208.	1.5	9
61	Canola Nutrition and Variety Affect Oviposition and Offspring Performance in the Generalist Herbivore, <i>Mamestra configurata</i> (Lepidoptera: Noctuidae). <i>Journal of Economic Entomology</i> , 2018, 111, 1702-1710.	1.8	8
62	Sex pheromone of the large aspen tortrix, <i>Choristoneura conflictana</i> (Lepidoptera: Tortricidae). <i>Chemoecology</i> , 2006, 16, 115-122.	1.1	7
63	The use of plant volatiles for host location by an ash (<i>Fraxinus</i>) specialist, <i>Caloptilia fraxinella</i> . <i>Chemoecology</i> , 2014, 24, 229-242.	1.1	7
64	Efficacy and Mechanisms of Communication Disruption of the Red Clover Casebearer Moth (<i>Coleophora deauratella</i>) with Complete and Partial Pheromone Formulations. <i>Journal of Chemical Ecology</i> , 2014, 40, 577-589.	1.8	7
65	State-Dependent Plasticity in Response to Host-Plant Volatiles in a Long-Lived Moth, <i>Caloptilia fraxinella</i> (Lepidoptera: Gracillariidae). <i>Journal of Chemical Ecology</i> , 2018, 44, 276-287.	1.8	7
66	Effects of Exposure to Pheromone and Insecticide Constituents of an Attracticide Formulation on Reproductive Behavior of Oriental Fruit Moth (Lepidoptera: Tortricidae). <i>Journal of Economic Entomology</i> , 2005, 98, 334-341.	1.8	6
67	Potential for combining sex pheromones for the forest tent caterpillar (Lepidoptera: Lasiocampidae) and the large aspen tortrix (Lepidoptera: Tortricidae) within monitoring traps targeting both species. <i>Canadian Entomologist</i> , 2005, 137, 615-619.	0.8	6
68	Do Interactions between Residue Management and Direct Seeding System Affect Wheat Stem Sawfly and Grain Yield?. <i>Agronomy Journal</i> , 2011, 103, 1635-1644.	1.8	6
69	Differential parasitism by a generalist parasitoid is mediated by volatile organic chemicals of the herbivore's host. <i>Arthropod-Plant Interactions</i> , 2015, 9, 515-527.	1.1	6
70	Herbivore-induced plants do not affect oviposition but do affect fitness of subsequent herbivores on canola. <i>Entomologia Experimentalis Et Applicata</i> , 2019, 167, 341-349.	1.4	6
71	Infection of canola by the root pathogen <i>Plasmodiophora brassicae</i> increases resistance to aboveground herbivory by bertha armyworm, <i>Mamestra configurata</i> Walker (Lepidoptera: Noctuidae). <i>Plant Science</i> , 2020, 300, 110625.	3.6	6
72	Local and Landscape-Scale Features Influence Bumble Bee (Hymenoptera: Apidae) Bycatch in Bertha Armyworm <i>Mamestra configurata</i> (Lepidoptera: Noctuidae) Pheromone-Baited Monitoring Traps. <i>Environmental Entomology</i> , 2020, 49, 1127-1136.	1.4	6

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73	Assessment of Available Tools for Monitoring Wheat Midge (Diptera: Cecidomyiidae). <i>Environmental Entomology</i> , 2020, 49, 627-637.	1.4	6
74	Small plot studies comparing pheromone and juice baits for mass trapping invasive <i>Synanthedon myopaeformis</i> in Canada. <i>Entomologia Experimentalis Et Applicata</i> , 2012, 145, 102-114.	1.4	5
75	Parasitoid complex and bionomics of <i>Apanteles polychrosidis</i> (Hymenoptera: Braconidae) on the ash leaf-cone roller (Lepidoptera: Gracillariidae). <i>Canadian Entomologist</i> , 2013, 145, 416-429.	0.8	5
76	Host plant preference and offspring performance of a leaf-mining moth, <i>Caloptilia fraxinella</i> , on two <i>Fraxinus</i> species. <i>Entomologia Experimentalis Et Applicata</i> , 2016, 159, 311-326.	1.4	5
77	Size and protein content of accessory glands in adult male <i>Caloptilia fraxinella</i> in different physiological states. <i>Physiological Entomology</i> , 2016, 41, 74-82.	1.5	5
78	Testing for trade-offs between flight and reproduction in the mountain pine beetle (Coleoptera: Tj ETQq0 0 0 rgBT /Overlock_10 Tf 50 5	0.8	5
79	Attractiveness and toxicity of an attracticide formulation on adult males of ash leaf cone roller, <i>Caloptilia fraxinella</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2008, 127, 30-38.	1.4	4
80	Patterns of Diversity in the Symbiotic Mite Assemblage of the Mountain Pine Beetle, <i>Dendroctonus Ponderosae</i> Hopkins. <i>Forests</i> , 2020, 11, 1102.	2.1	4
81	Mechanisms and consequences of flight polyphenisms in an outbreaking bark beetle species. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	4
82	Modeling the dispersal-reproduction trade-off in an expanding population. <i>Theoretical Population Biology</i> , 2020, 134, 147-159.	1.1	4
83	Cocoon-spinning larvae of Oriental fruit moth and Indianmeal moth do not produce aggregation pheromone. <i>Agricultural and Forest Entomology</i> , 2009, 11, 205-212.	1.3	3
84	Mating disruption of <i>Coleophora deauratella</i> (Lepidoptera: Coleophoridae) using laminate flakes in red clover seed production fields. <i>Pest Management Science</i> , 2015, 71, 1149-1157.	3.4	3
85	The roles of juvenile hormone and biogenic amines on pheromone response plasticity and diapause termination in male <i>Caloptilia fraxinella</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2016, 158, 184-201.	1.4	3
86	Olfactory host-finding behaviour of <i>Oulema melanopus</i> (Coleoptera: Chrysomelidae) and its parasitoid, <i>Tetrastichus julis</i> (Hymenoptera: Eulophidae). <i>Journal of Applied Entomology</i> , 2017, 141, 740-750.	1.8	3
87	Influence of Host Plant Species and Fertilization Regime on Larval Performance and Feeding Preference of the Redbacked Cutworm and the Pale Western Cutworm (Lepidoptera: Noctuidae). <i>Journal of Economic Entomology</i> , 2020, 113, 731-741.	1.8	3
88	Biology and management of the generalist herbivore, the bertha armyworm, <i>Mamestra configurata</i> (Lepidoptera: Noctuidae), on canola in western Canada. , 0, , 114-129.		3
89	Effect of Environmental Conditions on Flight Capacity in Mountain Pine Beetle (Coleoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 5	0.7	2
90	Influence of crop variety and fertilization on oviposition preference and larval performance of a generalist herbivore, the true armyworm, <i>Mythimna unipuncta</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2020, 168, 266-278.	1.4	2

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91	Management of Pea Leaf Weevil (Coleoptera: Curculionidae) and Development of a Nominal Threshold in Faba Beans. <i>Journal of Economic Entomology</i> , 2021, 114, 1597-1606.	1.8	2
92	Male Oriental Fruit Moth Response to a Combined Pheromone-Based Attracticide Formulation Targeting Both Oriental Fruit Moth and Codling Moth (Lepidoptera: Tortricidae). <i>Journal of Economic Entomology</i> , 2005, 98, 317-325.	1.8	2
93	Effects of Exposure to Pheromone and Insecticide Constituents of an Attracticide Formulation on Reproductive Behavior of Oriental Fruit Moth (Lepidoptera: Tortricidae). <i>Journal of Economic Entomology</i> , 2005, 98, 334-341.	1.8	2
94	Developmental and Behavioral Effects and Retention of Incremental Rates of Rubidium Fed to <i>Grapholita molesta</i> (Lepidoptera: Tortricidae) in Dietary Medium. <i>Journal of Entomological Science</i> , 2012, 47, 316-326.	0.3	1
95	Effect of semiochemical exposure on flight propensity and flight capacity of <i>Dendroctonus ponderosae</i> in laboratory bioassays. <i>Arthropod-Plant Interactions</i> , 2021, 15, 551-562.	1.1	1
96	Host Plant Volatile Lures Attract <i>Apanteles polychrosidis</i> (Hymenoptera: Braconidae) to Ash Trees Infested With <i>Caloptilia fraxinella</i> (Lepidoptera: Gracillariidae). <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	1
97	Seasonal emergence patterns of <i>Sitodiplosis mosellana</i> (Diptera: Cecidomyiidae) in the Peace River region, Alberta, Canada. <i>Canadian Entomologist</i> , 2021, 153, 222-236.	0.8	1
98	Wing polymorphisms of <i>Pterostichus melanarius</i> (Coleoptera: Carabidae) (Illiger, 1978) in Alberta pulse crops. <i>Alberta Academic Review</i> , 2019, 2, 23-24.	0.0	1
99	Identification of genes and gene expression associated with dispersal capacity in the mountain pine beetle, <i>Dendroctonus ponderosae</i> Hopkins (Coleoptera: Curculionidae). <i>PeerJ</i> , 2021, 9, e12382.	2.0	1
100	Nutrition, sex and season contribute to variation in fat and glycerol levels in the long-lived moth <i>Caloptilia fraxinella</i> . <i>Physiological Entomology</i> , 2016, 41, 67-73.	1.5	0
101	The influence of Canadian research on semiochemical-based management of forest insect pests in Canada—ERRATUM. <i>Canadian Entomologist</i> , 2017, 149, 139-139.	0.8	0
102	Bugs 101: Insect-Human Interactions; Developing and Implementing a General Entomology MOOC (Massive Open Online Course). <i>American Entomologist</i> , 2020, 66, 55-60.	0.2	0
103	OUP accepted manuscript. <i>Environmental Entomology</i> , 2022, , .	1.4	0