Judith H Myers

List of Publications by Year
in descending order

133 papers	7,289 citations	61857 43 h-index	60497 81 g-index
138 all docs	138 docs citations	138 times ranked	4888 citing authors

#	Article	IF	Citations
1	Population Cycles in Small Mammals. Advances in Ecological Research, 1974, , 267-399.	1.4	699
2	Eradication revisited: dealing with exotic species. Trends in Ecology and Evolution, 2000, 15, 316-320.	4.2	686
3	Multiple agents in biological control: improving the odds?. Biological Control, 2002, 24, 20-30.	1.4	317
4	Genetic, Behavioral, and Reproductive Attributes of Dispersing Field Voles Microtus pennsylvanicus and Microtus ochrogaster. Ecological Monographs, 1971, 41, 53-78.	2.4	273
5	The Ecology and Evolution of Insect Baculoviruses. Annual Review of Ecology, Evolution, and Systematics, 2003, 34, 239-272.	3.8	259
6	Sex Ratio Adjustment Under Food Stress: Maximization of Quality or Numbers of Offspring?. American Naturalist, 1978, 112, 381-388.	1.0	250
7	ERADICATION AND PEST MANAGEMENT. Annual Review of Entomology, 1998, 43, 471-491.	5.7	220
8	Can a General Hypothesis Explain Population Cycles of Forest Lepidoptera?. Advances in Ecological Research, 1988, 18, 179-242.	1.4	218
9	SYNCHRONY IN OUTBREAKS OF FOREST LEPIDOPTERA: A POSSIBLE EXAMPLE OF THE MORAN EFFECT. Ecology, 1998, 79, 1111-1117.	1.5	141
10	Selecting a Measure of Dispersion. Environmental Entomology, 1978, 7, 619-621.	0.7	140
11	How Many Insect Species are Necessary for the Biological Control of Insects?. Environmental Entomology, 1989, 18, 541-547.	0.7	123
12	Previous herbivore attack of red alder may improve food quality for fall webworm larvae. Oecologia, 1984, 63, 166-170.	0.9	112
13	Population Cycles in Forest Lepidoptera Revisited. Annual Review of Ecology, Evolution, and Systematics, 2013, 44, 565-592.	3.8	99
14	Adaptation of alarm pheromone responses of the pea aphid Acyrthosiphon pisum (Harris). Canadian Journal of Zoology, 1978, 56, 103-108.	0.4	96
15	Debilitating Effects of Viral Diseases on Host Lepidoptera. Journal of Invertebrate Pathology, 1996, 67, 1-10.	1.5	93
16	The cost of resistance to Bacillus thuringiensis varies with the host plant of Trichoplusia ni. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 1031-1038.	1.2	88
17	Mechanism of Resistance to Bacillus thuringiensis Toxin Cry1Ac in a Greenhouse Population of the Cabbage Looper, Trichoplusia ni. Applied and Environmental Microbiology, 2007, 73, 1199-1207.	1.4	88
18	Ophryocystis elektroscirrhasp. n., a Neogregarine Pathogen of the Monarch ButterflyDanaus plexippus(L.) and the Florida Queen ButterflyD. gilippus bereniceCramer1. Journal of Protozoology, 1970, 17, 300-305.	0.9	87

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19	Genetic and Social Structure of Feral House Mouse Populations on Grizzly Island, California. Ecology, 1974, 55, 747-759.	1.5	84
20	BEHAVIOURAL AND PHYSIOLOGICAL ADAPTATIONS OF PEA APHIDS (HOMOPTERA: APHIDIDAE) TO HIGH GROUND TEMPERATURES AND PREDATOR DISTURBANCE. Canadian Entomologist, 1979, 111, 515-519.	0.4	78
21	Egg clumping, host plant selection and population regulation in Cactoblastis cactorum (Lepidoptera). Oecologia, 1981, 51, 7-13.	0.9	77
22	Population Cycles in Rodents. Scientific American, 1974, 230, 38-46.	1.0	75
23	Indirect plant-mediated effects on insect immunity and disease resistance in a tritrophic system. Basic and Applied Ecology, 2010, 11, 15-22.	1.2	74
24	Inheritance of Resistance to Bacillus thuringiensis Cry1Ac Toxin in a Greenhouse-Derived Strain of Cabbage Looper (Lepidoptera: Noctuidae). Journal of Economic Entomology, 2004, 97, 2073-2078.	0.8	73
25	Distribution and dispersal in populations capable of resource depletion. Oecologia, 1976, 23, 255-269.	0.9	72
26	Population cycles: generalities, exceptions and remaining mysteries. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172841.	1.2	71
27	Ecology and evolution of pathogens in natural populations of Lepidoptera. Evolutionary Applications, 2016, 9, 231-247.	1.5	69
28	Maternal influences on size and emergence time of the cinnabar moth. Canadian Journal of Zoology, 1980, 58, 1452-1457.	0.4	68
29	Direct and indirect ecological effects of biological control. Trends in Ecology and Evolution, 2000, 15, 137-139.	4.2	68
30	Plant nitrogen and fluctuations of insect populations: A test with the cinnabar moth?tansy ragwort system. Oecologia, 1981, 48, 151-156.	0.9	66
31	Population Cycles of Western Tent Caterpillars: Experimental Introductions and Synchrony of Fluctuations. Ecology, 1990, 71, 986-995.	1.5	62
32	Adaptation in an insect host-plant pathogen interaction. Ecology Letters, 2004, 7, 632-639.	3.0	58
33	A behavioural analysis of the courtship pheromone receptors of the Queen butterfly, Danaus gilippus berenice. Journal of Insect Physiology, 1969, 15, 2117-2130.	0.9	57
34	Sublethal Nucleopolyhedrovirus Infection Effects on Female Pupal Weight, Egg Mass Size, and Vertical Transmission in Gypsy Moth (Lepidoptera: Lymantriidae). Environmental Entomology, 2000, 29, 1268-1272.	0.7	57
35	Impacts of Insect Herbivores on Plant Populations. Annual Review of Entomology, 2017, 62, 207-230.	5.7	57
36	Nucleopolyhedroviruses of forest and western tent caterpillars: cross-infectivity and evidence for activation of latent virus in high-density field populations. Ecological Entomology, 2003, 28, 41-50.	1.1	55

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37	The structure of the antennae of the Florida Queen butterfly,Danaus gilippus berenice (Cramer). Journal of Morphology, 1968, 125, 315-328.	0.6	54
38	Is the insect or the plant the driving force in the cinnabar moth ? Tansy ragwort system?. Oecologia, 1980, 47, 16-21.	0.9	50
39	Is decreased generalized immunity a cost of Bt resistance in cabbage loopers Trichoplusia ni?. Journal of Invertebrate Pathology, 2009, 100, 61-67.	1.5	50
40	Sex Ratios in Open and Enclosed Vole Populations: Demographic Implications. American Naturalist, 1971, 105, 325-344.	1.0	49
41	Does tent caterpillar attack reduce the food quality of red alder foliage?. Oecologia, 1984, 62, 74-79.	0.9	49
42	Sex Ratio Patterns and Population Dynamics of Western Flower Thrips (Thysanoptera: Thripidae). Environmental Entomology, 1992, 21, 322-330.	0.7	47
43	Strength in numbers? Effects of multiple natural enemy species on plant performance. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122756.	1.2	46
44	Spinosad Interacts Synergistically with the Insect Pathogen <I>Metarhizium anisopliae</I> Against the Exotic Wireworms <I>Agriotes lineatus</I> and <I>Agriotes obscurus</I> (Coleoptera: Elateridae). Journal of Economic Entomology, 2007, 100, 31-38.	0.8	45
45	Relationships between Scotch broom (CytisusÂscoparius), soil nutrients, and plant diversity in the Garry oak savannah ecosystem. Plant Ecology, 2010, 207, 81-91.	0.7	44
46	Distribution and dispersal in populations capable of resource depletion. Oecologia, 1976, 24, 7-20.	0.9	41
47	Improved insect performance from hostâ€plant defoliation: winter moth on oak and apple. Ecological Entomology, 1987, 12, 409-414.	1.1	41
48	Variable success of biological control of Lythrum salicaria in British Columbia. Biological Control, 2005, 32, 269-279.	1.4	40
49	Influence of Larval Age on the Lethal and Sublethal Effects of the Nucleopolyhedrovirus ofTrichoplusia niin the Cabbage Looper. Biological Control, 1998, 12, 119-126.	1.4	39
50	Virulence and transmission of infectious diseases in humans and insects: evolutionary and demographic patterns. Trends in Ecology and Evolution, 1995, 10, 194-198.	4.2	37
51	Lack of Short or Long Term Inducible Defenses in the Red Alder: Western Tent Caterpillar System. Oikos, 1987, 48, 73.	1.2	36
52	Changes in the fecundity of tent caterpillars: a correlated character of disease resistance or sublethal effect of disease?. Oecologia, 1995, 103, 475-480.	0.9	36
53	Population Dynamics of Western Flower Thrips (Thysanoptera: Thripidae) in Nectarine Orchards in British Columbia. Journal of Economic Entomology, 2000, 93, 264-275.	0.8	36
54	Within and between population variation in disease resistance in cyclic populations of western tent caterpillars: a test of the disease defence hypothesis. Journal of Animal Ecology, 2009, 78, 646-655.	1.3	36

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55	Hierarchical spatial structure of genetically variable nucleopolyhedroviruses infecting cyclic populations of western tent caterpillars. Molecular Ecology, 2003, 12, 881-890.	2.0	35
56	Nuclear Polyhedrosis Virus Treatment Effect on Reproductive Potential of Western Tent Caterpillar (Lepidoptera: Lasiocampidae). Environmental Entomology, 1994, 23, 864-869.	0.7	33
57	Climate and outbreaks of the forest tent caterpillar. Ecography, 1995, 18, 353-362.	2.1	33
58	MATERNAL EFFECTS IN GYPSY MOTH: ONLY SEX RATIO VARIES WITH POPULATION DENSITY. Ecology, 1998, 79, 305-314.	1.5	33
59	Inheritance of Resistance to Bacillus thuringiensis subsp. kurstaki in Trichoplusia ni. Applied and Environmental Microbiology, 2004, 70, 5859-5867.	1.4	33
60	Resource concentration by insects and implications for plant populations. Journal of Ecology, 2012, 100, 923-931.	1.9	33
61	The effect of food limitation on immunity factors and disease resistance in the western tent caterpillar. Oecologia, 2011, 167, 647-655.	0.9	32
62	Successful biological control of diffuse knapweed, Centaurea diffusa, in British Columbia, Canada. Biological Control, 2009, 50, 66-72.	1.4	31
63	Thermal ecology of western tent caterpillars Malacosoma californicum pluviale and infection by nucleopolyhedrovirus. Ecological Entomology, 2002, 27, 665-673.	1.1	30
64	NESTING AGGREGATIONS OF THE EUGLOSSINE BEE EUPLUSIA SURINAMENSIS (HYMENOPTERA: APIDAE): INDIVIDUAL INTERACTIONS AND THE ADVANTAGE OF LIVING TOGETHER. Canadian Entomologist, 1976, 108, 1-6.	0.4	27
65	Larval survival, host plant preferences and developmental responses of the diamondback moth Plutella xylostella (Lepidoptera: Plutellidae) on wild brassicaceous species. Entomological Science, 2011, 14, 20-30.	0.3	27
66	Manipulation of oviposition patterns of the parasitoidCyzenis albicans (Tachinidae) in the field using plant extracts. Journal of Insect Behavior, 1989, 2, 487-503.	0.4	26
67	Spatial and Temporal Patterns of Dispersal of Western Flower Thrips (Thysanoptera: Thripidae) in Nectarine Orchards in British Columbia. Journal of Economic Entomology, 2001, 94, 831-843.	0.8	26
68	The effects of experimental warming on the timing of a plantâ€“insect herbivore interaction. Journal of Animal Ecology, 2015, 84, 785-796.	1.3	26
69	The effect of Sphenoptera jugoslavica Obenb. (Col., Buprestidae) on its host plant Centaurea diffusa Lam. (Compositae). Journal of Applied Entomology, 1988, 106, 25-45.	0.8	24
70	DIFFUSE KNAPWEED INVASION INTO RANGELAND IN THE DRY INTERIOR OF BRITISH COLUMBIA. Canadian Journal of Plant Science, 1983, 63, 981-987.	0.3	23
71	The Induced Defense Hypothesis: Does It Apply to the Population Dynamics of Insects?. , 1988, , 345-365.		23
72	The development of larval resistance to a nucleopolyhedrovirus is not accompanied by an increased virulence in the virus. Evolutionary Ecology, 2000, 14, 645-664.	0.5	22

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73	Costs and stability of cabbage looper resistance to a nucleopolyhedrovirus. Evolutionary Ecology, 2002, 16, 369-385.	0.5	22
74	Pheromones and Courtship Behavior in Butterflies. American Zoologist, 1972, 12, 545-551.	0.7	21
75	Head flicking by tent caterpillars: a defensive response to parasite sounds. Canadian Journal of Zoology, 1978, 56, 1628-1631.	0.4	21
76	Spatial and temporal changes in genetic structure of greenhouse and field populations of cabbage looper,Trichoplusia ni. Molecular Ecology, 2010, 19, 1122-1133.	2.0	20
77	Genetic analysis of cabbage loopers,Trichoplusia ni(Lepidoptera: Noctuidae), a seasonal migrant in western North America. Evolutionary Applications, 2011, 4, 89-99.	1.5	20
78	Nutrient Availability and the Deployment of Mechanical Defenses in Grazed Plants: A New Experimental Approach to the Optimal Defense Theory. Oikos, 1987, 49, 350.	1.2	19
79	The Relationship between Parasite Fitness and Host Condition in an Insect - Virus System. PLoS ONE, 2014, 9, e106401.	1.1	19
80	Modified Bacillus thuringiensis Toxins and a Hybrid B. thuringiensis Strain Counter Greenhouse-Selected Resistance in Trichoplusia ni. Applied and Environmental Microbiology, 2009, 75, 5739-5741.	1.4	18
81	Plant community changes after the reduction of an invasive rangeland weed, diffuse knapweed, Centaurea diffusa. Biological Control, 2009, 51, 140-146.	1.4	18
82	Is fecundity correlated with resistance to viral disease in the western tent caterpillar?. Ecological Entomology, 1996, 21, 396-398.	1.1	17
83	Evaluation of Sampling Methodology for Determining the Phenology, Relative Density, and Dispersion of Western Flower Thrips (Thysanoptera: Thripidae) in Nectarine Orchards. Journal of Economic Entomology, 2000, 93, 494-502.	0.8	17
84	Interactions between predatory ground beetles, the winter moth and an introduced parasitoid on the Lower Mainland of British Columbia. Pedobiologia, 2004, 48, 23-35.	0.5	17
85	Cyzenis albicans(Diptera: Tachinidae) Does Not Prevent the Outbreak of Winter Moth (Lepidoptera: Geometridae) in Birch Stands and Blueberry Plots on the Lower Mainland of British Columbia. Environmental Entomology, 1999, 28, 96-107.	0.7	16
86	Population Density and Transmission of Virus in Experimental Populations of the Western Tent Caterpillar (Lepidoptera: Lasiocampidae). Environmental Entomology, 1999, 28, 1107-1113.	0.7	16
87	Resistance of Trichoplusia ni Populations Selected by Bacillus thuringiensis Sprays to Cotton Plants Expressing Pyramided Bacillus thuringiensis Toxins Cry1Ac and Cry2Ab. Applied and Environmental Microbiology, 2015, 81, 1884-1890.	1.4	16
88	Biological Control Agents: Invasive Species or Valuable Solutions?. , 2017, , 191-202.		16
89	Genetic Similarity of Island Populations of Tent Caterpillars during Successive Outbreaks. PLoS ONE, 2014, 9, e96679.	1.1	16
90	EXPERIMENTAL MANIPULATION OF THE PHENOLOGY OF EGG HATCH IN CYCLIC POPULATIONS OF TENT CATERPILLARS. Canadian Entomologist, 1992, 124, 737-742.	0.4	15

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91	Dynamics of Viral Disease and Population Fluctuations in Western Tent Caterpillars (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock	0.7	15
92	The influences of host plant and genetic resistance to Bacillus thuringiensis on trade-offs between offspring number and growth rate in cabbage loopers, Trichoplusia ni. Ecological Entomology, 2006, 31, 172-178.	1.1	15
93	DNA Hybridization Assay for Detection of Nuclear Polyhedrosis Virus in Tent Caterpillars. Journal of Invertebrate Pathology, 1995, 66, 231-236.	1.5	14
94	Competition between Lythrum salicaria and a rare species: combining evidence from experiments and long-term monitoring. Plant Ecology, 2007, 191, 153-161.	0.7	14
95	INDIRECT MEASURES OF LARVAL DISPERSAL IN THE CINNABAR MOTH, TYRIA JACOBAEAE (LEPIDOPTERA:) Tj ETQq1 1 0.784314 rgBT O	0.4	13
96	Prevalence and Persistence of Nuclear Polyhedrosis Virus in Fluctuating Populations of Forest Tent Caterpillars (Lepidoptera: Lasiocampidae) in the Area of Prince George, British Columbia. Environmental Entomology, 1997, 26, 882-887.	0.7	13
97	The effect of host plant species on performance and movement behaviour of the cabbage looper Trichoplusia ni and their potential influences on infection by Autographa californica multiple nucleopolyhedrovirus. Agricultural and Forest Entomology, 2011, 13, 157-164.	0.7	13
98	Olfaction in the Florida Queen butterfly: Honey odour receptors. Journal of Insect Physiology, 1970, 16, 573-578.	0.9	12
99	Microtus Population Densities and Soil Nutrients in Southern Indiana Grasslands. Ecology, 1971, 52, 660-663.	1.5	12
100	Cabbage Looper Resistance to a Nucleopolyhedrovirus Confers Cross-Resistance to Two Granuloviruses: Table 1.. Environmental Entomology, 2003, 32, 286-289.	0.7	12
101	A search for behavioural variation in first and last laid eggs of western tent caterpillar and an attempt to prevent a population decline. Canadian Journal of Zoology, 1978, 56, 2359-2363.	0.4	11
102	Genetic variation in fitness parameters associated with resistance to Bacillus thuringiensis in male and female Trichoplusia ni. Journal of Invertebrate Pathology, 2011, 107, 27-32.	1.5	10
103	Early childhood nutrition concerns, resources and services for Aboriginal families in Victoria. Australian and New Zealand Journal of Public Health, 2014, 38, 370-376.	0.8	10
104	The effects of food quantity and quality on emergence time in the cinnabar moth. Canadian Journal of Zoology, 1979, 57, 1150-1156.	0.4	9
105	Refuges in reverse: the spread of Bacillus thuringiensis resistance to unselected greenhouse populations of cabbage loopers Trichoplusia ni. Agricultural and Forest Entomology, 2008, 10, 119-127.	0.7	9
106	Lifeâ€history consequences and disease resistance of western tent caterpillars in response to localised, herbivoreâ€induced changes in alder leaf quality. Ecological Entomology, 2013, 38, 61-67.	1.1	9
107	Early childhood nutrition, active outdoor play and sources of information for families living in highly socially disadvantaged locations. Journal of Paediatrics and Child Health, 2015, 51, 287-293.	0.4	9
108	Resistance to Bacillus thuringiensis in the cabbage looper (Trichoplusia ni) increases susceptibility to a nucleopolyhedrovirus. Journal of Invertebrate Pathology, 2010, 105, 204-206.	1.5	8

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109	Multiple Mating and Family Structure of the Western Tent Caterpillar, Malacosoma californicum pluviale: Impact on Disease Resistance. PLoS ONE, 2012, 7, e37472.	1.1	8
110	Tent caterpillars are robust to variation in leaf phenology and quality in two thermal environments. Bulletin of Entomological Research, 2013, 103, 522-529.	0.5	8
111	Avoidance of the host immune response by a generalist parasitoid,Compsilura concinnataMeigen. Ecological Entomology, 2008, 33, 517-522.	1.1	7
112	A multi-scale framework for evaluating the benefits and costs of alternative management strategies against invasive plants. Journal of Environmental Planning and Management, 2013, 56, 412-434.	2.4	7
113	Phylloplane bacteria increase the negative impact of food limitation on insect fitness. Ecological Entomology, 2017, 42, 411-421.	1.1	7
114	Reproductive isolation between Urophora affinis and U. quadrifasciata (Diptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.4	6
115	Temporal and spatial variability of rosy apple aphid Dysaphis plantaginea populations: is there a role of the alternate host plant Plantago major?. Agricultural and Forest Entomology, 2010, 12, 333-341.	0.7	6
116	Testing biological control agent compatibility: Cyphocleonus achates and Larinus minutus on diffuse knapweed. Biological Control, 2014, 70, 48-53.	1.4	6
117	DNA polymerase gene sequences indicate western and forest tent caterpillar viruses form a new taxonomic group within baculoviruses. Journal of Invertebrate Pathology, 2002, 81, 131-147.	1.5	5
118	Comment on â€œPrecipitation drives global variation in natural selectionâ€• Science, 2018, 359, .	6.0	5
119	Influences of two lifeâ€history stages of the weevil, Larinus minutus, on its host plant Centaurea diffusa. Ecological Entomology, 2013, 38, 40-48.	1.1	4
120	Biological control of introduced plants. , 2003, , 164-194.		2
121	Distinguishing Between Laboratory-Reared and Greenhouse- and Field-Collected <I>Trichoplusia ni</I> (Lepidoptera: Noctuidae) Using the Amplified Fragment Length Polymorphism Method. Annals of the Entomological Society of America, 2009, 102, 151-157.	1.3	2
122	Eradication. , 2002, , .		2
123	Predicting invasiveness from life history characteristics. , 2003, , 89-119.		1
124	Post-release genetic assessment of two congeneric weed biological control agents. Biological Control, 2021, 152, 104462.	1.4	1
125	Population Cycles. Ecology, 1982, 63, 591-592.	1.5	0
126	Planet of Weeds: exotic plants in the landscape. , 2003, , 14-50.		0

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127	Biological invasions in the context of plant communities. , 2003, , 51-88.		0
128	Population ecology and introduced plants. , 2003, , 120-146.		0
129	Introduced plant diseases. , 2003, , 147-163.		0
130	Modeling invasive plants and their control. , 2003, , 195-223.		0
131	Action against non-indigenous species. , 2003, , 224-243.		0
132	Genetically modified plants and final conclusions. , 2003, , 244-250.		0
133	Tips for Effective Communication in Ecology. Bulletin of the Ecological Society of America, 2007, 88, 206-215.	0.2	0