Lawrence M Hanks

List of Publications by Year
in descending order

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Version: 2024-02-01

58 papers	2,155 citations	186265 28 h-index	233421 45 g-index
58 all docs	58 docs citations	58 times ranked	728 citing authors

#	Article	IF	Citations
1	Sex and Aggregation-Sex Pheromones of Cerambycid Beetles: Basic Science and Practical Applications. Journal of Chemical Ecology, 2016, 42, 631-654.	1.8	123
2	Male-Produced Aggregation Pheromone of the Cerambycid Beetle Neoclytus acuminatus acuminatus. Journal of Chemical Ecology, 2004, 30, 1493-1507.	1.8	122
3	Treating Panel Traps With a Fluoropolymer Enhances Their Efficiency in Capturing Cerambycid Beetles. Journal of Economic Entomology, 2010, 103, 641-647.	1.8	118
4	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.	1.1	115
5	A Male-Produced Aggregation Pheromone of Monochamus alternatus (Coleoptera: Cerambycidae), a Major Vector of Pine Wood Nematode. Journal of Economic Entomology, 2011, 104, 1592-1598.	1.8	92
6	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.	1.7	86
7	Body size influences mating success of the Eucalyptus longhorned borer (Coleoptera: Cerambycidae). Journal of Insect Behavior, 1996, 9, 369-382.	0.7	73
8	Mating behavior of the eucalyptus longhorned borer (Coleoptera: Cerambycidae) and the adaptive significance of long â€œhornsâ€• Journal of Insect Behavior, 1996, 9, 383-393.	0.7	72
9	Cerambycid Beetle Species with Similar Pheromones are Segregated by Phenology and Minor Pheromone Components. Journal of Chemical Ecology, 2015, 41, 431-440.	1.8	71
10	Response of the Woodborers <I>Monochamus carolinensis</I> and <I>Monochamus titillator</I> (Coleoptera: Cerambycidae) to Known Cerambycid Pheromones in the Presence and Absence of the Host Plant Volatile Î±-Pinene. Environmental Entomology, 2012, 41, 1587-1596.	1.4	69
11	(Z)-9-Pentacosene ? contact sex pheromone of the locust borer, Megacyllene robiniae. Chemoecology, 2003, 13, 135-141.	1.1	67
12	Male-produced aggregation pheromone of the cerambycid beetle Neoclytus mucronatus mucronatus. Entomologia Experimentalis Et Applicata, 2007, 122, 171-179.	1.4	67
13	Male-Produced Aggregation Pheromones of the Cerambycid Beetles Xylotrechus colonus and Sarosesthes fulminans. Journal of Chemical Ecology, 2009, 35, 733-740.	1.8	67
14	Title is missing!. Journal of Insect Behavior, 2003, 16, 181-187.	0.7	63
15	Predicted taxonomic patterns in pheromone production by longhorned beetles. Die Naturwissenschaften, 2006, 93, 543-550.	1.6	62
16	A Male-produced Aggregation Pheromone Blend Consisting of Alkanediols, Terpenoids, and an Aromatic Alcohol from the Cerambycid Beetle Megacyllene caryae. Journal of Chemical Ecology, 2008, 34, 408-417.	1.8	61
17	Fuscumol and fuscumol acetate are general attractants for many species of cerambycid beetles in the subfamily Lamiinae. Entomologia Experimentalis Et Applicata, 2011, 141, 71-77.	1.4	61
18	Multi-component blends for trapping native and exotic longhorn beetles at potential points-of-entry and in forests. Journal of Pest Science, 2019, 92, 281-297.	3.7	55

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19	Male-Produced Aggregation Pheromone of the Cerambycid Beetle Rosalia funebris. Journal of Chemical Ecology, 2009, 35, 96-103.	1.8	50
20	Seasonal Phenology of the Cerambycid Beetles of East Central Illinois. Annals of the Entomological Society of America, 2014, 107, 211-226.	2.5	46
21	Generic Lures Attract Cerambycid Beetles in a Tropical Montane Rain Forest in Southern China. Journal of Economic Entomology, 2014, 107, 259-267.	1.8	45
22	cis-Vaccenyl Acetate, A Female-Produced Sex Pheromone Component of Ortholeptura valida, A Longhorned Beetle in the Subfamily Lepturinae. Journal of Chemical Ecology, 2011, 37, 173-178.	1.8	36
23	2-Undecyloxy-1-ethanol in combination with other semiochemicals attracts three Monochamus species (Coleoptera: Cerambycidae) in British Columbia, Canada. Canadian Entomologist, 2012, 144, 764-768.	0.8	32
24	Blends of (R)-3-hydroxyhexan-2-one and alkan-2-ones identified as potential pheromones produced by three species of cerambycid beetles. Chemoecology, 2013, 23, 121-127.	1.1	32
25	Identification of a Male-Produced Pheromone Component of the Citrus Longhorned Beetle, Anoplophora chinensis. PLoS ONE, 2015, 10, e0134358.	2.5	32
26	Influence of Trap Height and Bait Type on Abundance and Species Diversity of Cerambycid Beetles Captured in Forests of East-Central Illinois. Journal of Economic Entomology, 2016, 109, 1750-1757.	1.8	32
27	Synergism between Enantiomers Creates Species-Specific Pheromone Blends and Minimizes Cross-Attraction for Two Species of Cerambycid Beetles. Journal of Chemical Ecology, 2016, 42, 1181-1192.	1.8	31
28	Identifying Possible Pheromones of Cerambycid Beetles by Field Testing Known Pheromone Components in Four Widely Separated Regions of the United States. Journal of Economic Entomology, 2018, 111, 252-259.	1.8	31
29	Identification of a Pheromone Component and a Critical Synergist for the Invasive BeetleCallidiellum rufipenne(Coleoptera: Cerambycidae). Environmental Entomology, 2016, 45, 216-222.	1.4	28
30	Calling Behavior of the Cerambycid Beetle Neoclytus acuminatus acuminatus (F.). Journal of Insect Behavior, 2007, 20, 117-128.	0.7	23
31	The Role of Minor Pheromone Components in Segregating 14 Species of Longhorned Beetles (Coleoptera: Cerambycidae) of the Subfamily Cerambycinae. Journal of Economic Entomology, 2019, 112, 2236-2252.	1.8	22
32	(2S,4E)-2-Hydroxy-4-octen-3-one, a Male-Produced Attractant Pheromone of the Cerambycid Beetle Tylonotus bimaculatus. Journal of Chemical Ecology, 2015, 41, 670-677.	1.8	18
33	Likely Aggregation-Sex Pheromones of the Invasive BeetleCallidiellum villosulum, and the Related Asian SpeciesAllotraeus asiaticus,Semanotus bifasciatus, andXylotrechus buqueti(Coleoptera: Cerambycidae). Journal of Economic Entomology, 2016, 109, 2243-2246.	1.8	18
34	(6E,8Z)-6,8-Pentadecadienal, a Novel Attractant Pheromone Produced by Males of the Cerambycid Beetles Chlorida festiva and Chlorida costata. Journal of Chemical Ecology, 2016, 42, 1082-1085.	1.8	17
35	Aggregation-Sex Pheromones and Likely Pheromones of 11 South American Cerambycid Beetles, and Partitioning of Pheromone Channels. Frontiers in Ecology and Evolution, 2017, 5, .	2.2	17
36	Pheromone identification by proxy: identification of aggregation-sex pheromones of North American cerambycid beetles as a strategy to identify pheromones of invasive Asian congeners. Journal of Pest Science, 2019, 92, 213-220.	3.7	17

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37	10-Methyldodecanal, a Novel Attractant Pheromone Produced by Males of the South American Cerambycid Beetle Eburodacrys vittata. PLoS ONE, 2016, 11, e0160727.	2.5	16
38	Pheromone Composition and Chemical Ecology of Six Species of Cerambycid Beetles in the Subfamily Lamiinae. Journal of Chemical Ecology, 2020, 46, 30-39.	1.8	16
39	(S)-Sulcatol Is a Pheromone Component for Two Species of Cerambycid Beetles in the Subfamily Lamiinae. Journal of Chemical Ecology, 2019, 45, 447-454.	1.8	14
40	The Rare North American Cerambycid Beetle Dryobius sexnotatus Shares a Novel Pyrrole Pheromone Component with Species in Asia and South America. Journal of Chemical Ecology, 2017, 43, 739-744.	1.8	13
41	Interspecific Cross-Attraction between the South American Cerambycid Beetles Cotyclytus curvatus and Megacyllene acuta is Averted by Minor Pheromone Components. Journal of Chemical Ecology, 2018, 44, 268-275.	1.8	13
42	The Common Natural Products (S)-Î±-Terpineol and (E)-2-Hexenol are Important Pheromone Components of Megacyllene antennata (Coleoptera: Cerambycidae). Environmental Entomology, 2018, 47, 1547-1552.	1.4	13
43	Complex Blends of Synthetic Pheromones are Effective Multi-Species Attractants for Longhorned Beetles (Coleoptera: Cerambycidae). Journal of Economic Entomology, 2020, 113, 2269-2275.	1.8	13
44	Evaluation of Methods Used in Testing Attraction of Cerambycid Beetles to Pheromone-Baited Traps. Journal of Economic Entomology, 2017, 110, 2269-2274.	1.8	12
45	(2E,6Z,9Z)-2,6,9-Pentadecatrienal as a Male-Produced Aggregation-Sex Pheromone of the Cerambycid Beetle Elaphidion mucronatum. Journal of Chemical Ecology, 2017, 43, 1056-1065.	1.8	11
46	(Z)-7-Hexadecene is an Aggregation-Sex Pheromone Produced by Males of the South American Cerambycid Beetle Susuacanga octoguttata. Journal of Chemical Ecology, 2018, 44, 1115-1119.	1.8	9
47	Evidence of Aggregationâ€“Sex Pheromone Use by Longhorned Beetles (Coleoptera: Cerambycidae) Species Native to Africa. Environmental Entomology, 2019, 48, 189-192.	1.4	8
48	Rapid Assessment of Cerambycid Beetle Biodiversity in a Tropical Rainforest in Yunnan Province, China, Using a Multicomponent Pheromone Lure. Insects, 2021, 12, 277.	2.2	8
49	MaleMegacyllene robiniae(Coleoptera: Cerambycidae) Use Multiple Tactics When Aggressively Competing for Mates. Environmental Entomology, 2009, 38, 425-432.	1.4	7
50	Variations on a Theme: Two Structural Motifs Create Species-Specific Pheromone Channels for Multiple Species of South American Cerambycid Beetles. Insects, 2020, 11, 222.	2.2	7
51	Common Cerambycid Pheromone Components as Attractants for Longhorn Beetles (Cerambycidae) Breeding in Ephemeral Oak Substrates in Northern Europe. Journal of Chemical Ecology, 2019, 45, 537-548.	1.8	6
52	Molecular Validation of a Morphological Character for Distinguishing Between the Armored Scale Insects <I>Chionaspis pinifoliae</I> and <I>Chionaspis heterophyllae</I> (Hemiptera: Diaspididae). Annals of the Entomological Society of America, 2009, 102, 381-385.	2.5	5
53	Enantiomers of fuscumol acetate comprise the aggregationâ€sex pheromone of the South American cerambycid beetle Psapharochrus maculatissimus , and likely pheromones of the cerambycids Eupromerella plaumanni and Hylettus seniculus. Entomologia Experimentalis Et Applicata, 2019, 167, 915-921.	1.4	5
54	Field Trials With Blends of Pheromones of Native and Invasive Cerambycid Beetle Species. Environmental Entomology, 2021, 50, 1294-1298.	1.4	4

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55	3-Hydroxyhexan-2-one and 3-Methylthiopropan-1-ol as Pheromone Candidates for the South American Cerambycid Beetles Stizocera phtisica and Chydarteres dimidiatus dimidiatus, and Six Related Species. Journal of Chemical Ecology, 2021, 47, 941-949.	1.8	2
56	A Novel Trisubstituted Tetrahydropyran as a Possible Pheromone Component for the South American Cerambycid Beetle Macropophora accentifer. Journal of Chemical Ecology, 2022, 48, 569-582.	1.8	2
57	2-Nonanone is a Critical Pheromone Component for Cerambycid Beetle Species Native to North and South America. Environmental Entomology, 2021, 50, 599-604.	1.4	0
58	Methionol, a Sulfur-Containing Pheromone Component from the North American Cerambycid Beetle Knulliana cincta cincta. Journal of Chemical Ecology, 2022, , 1.	1.8	0