

# Mattias C Larsson

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,416  
citations

394421

19  
h-index

345221

36  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1672  
citing authors

#	ARTICLE	IF	CITATIONS
1	Yeast, not fruit volatiles mediate <i>Drosophila melanogaster</i> attraction, oviposition and development. <i>Functional Ecology</i> , 2012, 26, 822-828.	3.6	355
2	Functional evolution of Lepidoptera olfactory receptors revealed by deorphanization of a moth repertoire. <i>Nature Communications</i> , 2017, 8, 15709.	12.8	154
3	Insect host plant selection in complex environments. <i>Current Opinion in Insect Science</i> , 2015, 8, 1-7.	4.4	115
4	Comparison of plant preference hierarchies of male and female moths and the impact of larval rearing hosts. <i>Ecology</i> , 2013, 94, 1744-1752.	3.2	80
5	“Do you remember the first time?” Host plant preference in a moth is modulated by experiences during larval feeding and adult mating. <i>Ecology Letters</i> , 2015, 18, 365-374.	6.4	69
6	Transcriptome Analysis of Gene Families Involved in Chemosensory Function in <i>Spodoptera littoralis</i> (Lepidoptera: Noctuidae). <i>BMC Genomics</i> , 2019, 20, 428.	2.8	69
7	Pheromone Monitoring of Rare and Threatened Insects: Exploiting a Pheromone-Kairomone System to Estimate Prey and Predator Abundance. <i>Conservation Biology</i> , 2009, 23, 1516-1525.	4.7	48
8	Pheromones and Other Semiochemicals for Monitoring Rare and Endangered Species. <i>Journal of Chemical Ecology</i> , 2016, 42, 853-868.	1.8	48
9	Specialized olfactory receptor neurons mediating intra- and interspecific chemical communication in leafminer moths <i>Eriocrania</i> spp. (Lepidoptera: Eriocraniidae). <i>Journal of Experimental Biology</i> , 2002, 205, 989-998.	1.7	43
10	Should I stay or should I go? Modelling dispersal strategies in saproxylic insects based on pheromone capture and radio telemetry: a case study on the threatened hermit beetle <i>Osmoderma eremita</i> . <i>Biodiversity and Conservation</i> , 2011, 20, 2883-2902.	2.6	40
11	Monitoring spatiotemporal variation in abundance and dispersal by a pheromone-kairomone system in the threatened saproxylic beetles <i>Osmoderma eremita</i> and <i>Elater ferrugineus</i> . <i>Journal of Insect Conservation</i> , 2011, 15, 891-902.	1.4	32
12	Attractiveness of fruit and flower odorants detected by olfactory receptor neurons in the fruit chafer <i>Pachnoda marginata</i> . <i>Journal of Chemical Ecology</i> , 2003, 29, 1253-1268.	1.8	31
13	Using Sex Pheromone and a Multi-Scale Approach to Predict the Distribution of a Rare Saproxylic Beetle. <i>PLoS ONE</i> , 2013, 8, e66149.	2.5	31
14	High-accuracy sampling of saproxylic diversity indicators at regional scales with pheromones: The case of <i>Elater ferrugineus</i> (Coleoptera, Elateridae). <i>Biological Conservation</i> , 2014, 171, 156-166.	4.1	26
15	A context-dependent induction of natal habitat preference in a generalist herbivorous insect. <i>Behavioral Ecology</i> , 2018, 29, 360-367.	2.2	26
16	Rural avenues as dispersal corridors for the vulnerable saproxylic beetle <i>Elater ferrugineus</i> in a fragmented agricultural landscape. <i>Journal of Insect Conservation</i> , 2015, 19, 567-580.	1.4	25
17	Conflicting selection pressures on reproductive functions and speciation in plants. <i>Evolutionary Ecology</i> , 2009, 23, 147-157.	1.2	24
18	Enantiomeric conservation of the male-produced sex pheromone facilitates monitoring of threatened European hermit beetles ( <i>Osmoderma</i> spp.). <i>Entomologia Experimentalis Et Applicata</i> , 2009, 133, 276-282.	1.4	23

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19	With or without you: Effects of the concurrent range expansion of an herbivore and its natural enemy on native species interactions. <i>Global Change Biology</i> , 2018, 24, 631-643.	9.5	21
20	Chemical ecology and insect conservation: optimising pheromone-based monitoring of the threatened saproxylic click beetle <i>Elater ferrugineus</i> . <i>Journal of Insect Conservation</i> , 2012, 16, 549-555.	1.4	20
21	Sex pheromones as a tool to overcome the Wallacean shortfall in conservation biology: a case of <i>Elater ferrugineus</i> Linnaeus, 1758 (Coleoptera: Elateridae). <i>Journal of Insect Conservation</i> , 2015, 19, 25-32.	1.4	16
22	The role of pollinators, pests and different yield components for organic and conventional white clover seed yields. <i>Field Crops Research</i> , 2017, 210, 1-8.	5.1	13
23	Revealing hidden species distribution with pheromones: the case of <i>Synanthedon vespiformis</i> (Lepidoptera: Sesiiidae) in Sweden. <i>Journal of Insect Conservation</i> , 2016, 20, 11-21.	1.4	11
24	Identification of the Aggregation-sex Pheromone of the Cerambycid Beetle <i>Phymatodes pusillus</i> ssp. <i>pusillus</i> and Evidence of a Synergistic Effect from a Heterospecific Pheromone Component. <i>Journal of Chemical Ecology</i> , 2018, 44, 987-998.	1.8	11
25	The Male-Produced Aggregation-Sex Pheromone of the Cerambycid Beetle <i>Plagionotus detritus</i> ssp. <i>detritus</i> . <i>Journal of Chemical Ecology</i> , 2019, 45, 28-36.	1.8	10
26	Clear-cuts are temporary habitats, not matrix, for endangered grassland burnet moths ( <i>Zygaena</i> spp.). <i>Journal of Insect Conservation</i> , 2020, 24, 269-277.	1.4	9
27	False positives from impurities result in incorrect functional characterization of receptors in chemosensory studies. <i>Progress in Neurobiology</i> , 2019, 181, 101661.	5.7	8
28	The aggregation-sex pheromones of the cerambycid beetles <i>Anaglyptus mysticus</i> and <i>Xylotrechus antilope</i> ssp. <i>antilope</i> : new model species for insect conservation through pheromone-based monitoring. <i>Chemoecology</i> , 2019, 29, 111-124.	1.1	7
29	Metapopulation dynamics over 25 years of a beetle, <i>Osmoderma eremita</i> , inhabiting hollow oaks. <i>Oecologia</i> , 2020, 194, 771-780.	2.0	7
30	Field Abundance Patterns and Odor-Mediated Host Choice by Clover Seed Weevils, <i>Apion fulvipes</i> and <i>Apion trifolii</i> (Coleoptera: Apionidae). <i>Journal of Economic Entomology</i> , 2015, 108, 492-503.	1.8	6
31	Common Cerambycid Pheromone Components as Attractants for Longhorn Beetles (Cerambycidae) Breeding in Ephemeral Oak Substrates in Northern Europe. <i>Journal of Chemical Ecology</i> , 2019, 45, 537-548.	1.8	6
32	Floral scent and pollinator visitation in relation to floral colour morph in the mixed-mating annual herb <i>Collinsia heterophylla</i> . <i>Nordic Journal of Botany</i> , 2021, 39, .	0.5	6
33	Making the invisible visible: determining an accurate national distribution of <i>Elater ferrugineus</i> in the United Kingdom using pheromones. <i>Insect Conservation and Diversity</i> , 2017, 10, 283-293.	3.0	5
34	Characterization of olfactory sensory neurons in the red clover seed weevil, <i>Protapion trifolii</i> (Coleoptera: Brentidae) and comparison to the closely related species <i>P. fulvipes</i> . <i>Journal of Insect Physiology</i> , 2019, 119, 103948.	2.0	5
35	Do plant ploidy and pollinator tongue length interact to cause low seed yield in red clover?. <i>Ecosphere</i> , 2021, 12, e03416.	2.2	4
36	Identification of the aggregation-sex pheromone of <i>Plagionotus arcuatus</i> ssp. <i>arcuatus</i> (Coleoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2019, 106, 18.	1.6	3

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37	A sensitive period for the induction of host plant preference in a generalist herbivorous insect. <i>Animal Behaviour</i> , 2020, 169, 1-8.	1.9	3
38	Dispersal and competitive release affect the management of native and invasive tephritid fruit flies in large and smallholder farms in Ethiopia. <i>Scientific Reports</i> , 2021, 11, 2690.	3.3	3
39	Dispersal and spatiotemporal distribution of <i>Protapion fulvipes</i> in white clover fields: implications for pest management. <i>Journal of Pest Science</i> , 2022, 95, 917-930.	3.7	2
40	Identification and Synthesis of Putative Pheromone Components of the Threatened Salt Marsh Bagworm Moth, <i>Whittleia retiella</i> (Lepidoptera: Psychidae). <i>Journal of Chemical Ecology</i> , 2020, 46, 115-127.	1.8	1