

# Leena Lindström

## List of Publications by Year in descending order

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Version: 2024-02-01

71  
papers

3,876  
citations

117625

34  
h-index

128289

60  
g-index

72  
all docs

72  
docs citations

72  
times ranked

2608  
citing authors

#	ARTICLE	IF	CITATIONS
1	The voyage of an invasive species across continents: genetic diversity of North American and European Colorado potato beetle populations. <i>Molecular Ecology</i> , 2005, 14, 4207-4219.	3.9	221
2	Multiple benefits of gregariousness cover detectability costs in aposematic aggregations. <i>Nature</i> , 2001, 413, 512-514.	27.8	209
3	Can aposematic signals evolve by gradual change?. <i>Nature</i> , 1999, 397, 249-251.	27.8	188
4	Does predation maintain eyespot plasticity in <i>Bicyclus anynana</i> ?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 279-283.	2.6	188
5	Imperfect Batesian mimicry—the effects of the frequency and the distastefulness of the model. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1997, 264, 149-153.	2.6	180
6	Strong antiapostatic selection against novel rare aposematic prey. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 9181-9184.	7.1	166
7	Reactions of hand-reared and wild-caught predators toward warningly colored, gregarious, and conspicuous prey. <i>Behavioral Ecology</i> , 1999, 10, 317-322.	2.2	139
8	Co-mimics have a mutualistic relationship despite unequal defences. <i>Nature</i> , 2007, 448, 64-67.	27.8	137
9	Seasonal changes in predator community switch the direction of selection for prey defences. <i>Nature Communications</i> , 2014, 5, 5016.	12.8	108
10	Predator experience on cryptic prey affects the survival of conspicuous aposematic prey. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001, 268, 357-361.	2.6	100
11	Does colour matter? The importance of colour in avoidance learning, memorability and generalisation. <i>Behavioral Ecology and Sociobiology</i> , 2006, 60, 482-491.	1.4	99
12	THERMOREGULATION CONSTRAINS EFFECTIVE WARNING SIGNAL EXPRESSION. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 469-478.	2.3	98
13	Alternative prey can change model-mimic dynamics between parasitism and mutualism. <i>Ecology Letters</i> , 2003, 6, 1068-1076.	6.4	94
14	Pyrazine odour makes visually conspicuous prey aversive. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001, 268, 159-162.	2.6	93
15	The importance of pattern similarity between Müllerian mimics in predator avoidance learning. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 407-413.	2.6	89
16	THE EFFECT OF ALTERNATIVE PREY ON THE DYNAMICS OF IMPERFECT BATESIAN AND MÜLLERIAN MIMICRIES. <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 1294-1302.	2.3	77
17	Energy use, diapause behaviour and northern range expansion potential in the invasive Colorado potato beetle. <i>Functional Ecology</i> , 2011, 25, 527-536.	3.6	70
18	DIET QUALITY AFFECTS WARNING COLORATION INDIRECTLY: EXCRETION COSTS IN A GENERALIST HERBIVORE. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 68-78.	2.3	64

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19	Transgenerational effects of insecticides – implications for rapid pest evolution in agroecosystems. <i>Current Opinion in Insect Science</i> , 2018, 26, 34-40.	4.4	63
20	Experimental Approaches to Studying the Initial Evolution of Conspicuous Aposematic Signalling. <i>Evolutionary Ecology</i> , 1999, 13, 605-618.	1.2	62
21	Conceptual Frameworks and Methods for Advancing Invasion Ecology. <i>Ambio</i> , 2013, 42, 527-540.	5.5	62
22	Hairiness and warning colours as components of antipredator defence: additive or interactive benefits?. <i>Animal Behaviour</i> , 2008, 75, 1703-1713.	1.9	61
23	Investigating Müllerian mimicry: predator learning and variation in prey defences. <i>Journal of Evolutionary Biology</i> , 2007, 20, 780-791.	1.7	60
24	Sequencing, De Novo Assembly and Annotation of the Colorado Potato Beetle, <i>Leptinotarsa decemlineata</i> , Transcriptome. <i>PLoS ONE</i> , 2014, 9, e86012.	2.5	60
25	Latitudinal differences in diapause related photoperiodic responses of European Colorado potato beetles ( <i>Leptinotarsa decemlineata</i> ). <i>Evolutionary Ecology</i> , 2015, 29, 269-282.	1.2	60
26	PERSPECTIVE: Underutilized resources for studying the evolution of invasive species during their introduction, establishment, and lag phases. <i>Evolutionary Applications</i> , 2010, 3, 203-219.	3.1	56
27	Northward range expansion requires synchronization of both overwintering behaviour and physiology with photoperiod in the invasive Colorado potato beetle ( <i>Leptinotarsa decemlineata</i> ). <i>Oecologia</i> , 2014, 176, 57-68.	2.0	53
28	Life-history constraints and warning signal expression in an arctiid moth. <i>Functional Ecology</i> , 2007, 21, 1162-1167.	3.6	51
29	Can ultraviolet cues function as aposematic signals?. <i>Behavioral Ecology</i> , 2001, 12, 65-70.	2.2	45
30	Sublethal Pyrethroid Insecticide Exposure Carries Positive Fitness Effects Over Generations in a Pest Insect. <i>Scientific Reports</i> , 2019, 9, 11320.	3.3	44
31	Relative importance of taste and visual appearance for predator education in Müllerian mimicry. <i>Animal Behaviour</i> , 2006, 72, 323-333.	1.9	43
32	Ultraviolet reflection and predation risk in diurnal and nocturnal Lepidoptera. <i>Behavioral Ecology</i> , 2004, 15, 982-987.	2.2	42
33	Photoperiodic effects on diapause-associated gene expression trajectories in European <i>Leptinotarsa decemlineata</i> populations. <i>Insect Molecular Biology</i> , 2014, 23, 566-578.	2.0	42
34	Quantitative genetic approach for assessing invasiveness: geographic and genetic variation in life-history traits. <i>Biological Invasions</i> , 2008, 10, 1135-1145.	2.4	39
35	Adaptation to fluctuations in temperature by nine species of bacteria. <i>Ecology and Evolution</i> , 2018, 8, 2901-2910.	1.9	39
36	Pre-invasion history and demography shape the genetic variation in the insecticide resistance-related acetylcholinesterase 2 gene in the invasive Colorado potato beetle. <i>BMC Evolutionary Biology</i> , 2013, 13, 13.	3.2	38

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37	Responses in metabolic rate to changes in temperature in diapausing Colorado potato beetle <i>Leptinotarsa decemlineata</i> from three European populations. <i>Physiological Entomology</i> , 2015, 40, 123-130.	1.5	37
38	Variation in Hsp70 Levels after Cold Shock: Signs of Evolutionary Responses to Thermal Selection among <i>Leptinotarsa decemlineata</i> Populations. <i>PLoS ONE</i> , 2012, 7, e31446.	2.5	35
39	Negatively condition dependent predation cost of a positively condition dependent sexual signalling. <i>Journal of Evolutionary Biology</i> , 2006, 19, 649-656.	1.7	34
40	Population dependent effects of photoperiod on diapause related physiological traits in an invasive beetle ( <i>Leptinotarsa decemlineata</i> ). <i>Journal of Insect Physiology</i> , 2012, 58, 1146-1158.	2.0	32
41	Propagule pressure increase and phylogenetic diversity decrease community's susceptibility to invasion. <i>BMC Ecology</i> , 2017, 17, 15.	3.0	30
42	The Diapause Lipidomes of Three Closely Related Beetle Species Reveal Mechanisms for Tolerating Energetic and Cold Stress in High-Latitude Seasonal Environments. <i>Frontiers in Physiology</i> , 2020, 11, 576617.	2.8	30
43	Can experienced birds select for Müllerian mimicry?. <i>Behavioral Ecology</i> , 2008, 19, 362-368.	2.2	29
44	Prolonged diapause has sex-specific fertility and fitness costs. <i>Evolutionary Ecology</i> , 2020, 34, 41-57.	1.2	29
45	Inheritance patterns of photoperiodic diapause induction in <i>Leptinotarsa decemlineata</i> . <i>Physiological Entomology</i> , 2016, 41, 218-223.	1.5	26
46	Characterizing the pigment composition of a variable warning signal of <i>Parasemia plantaginis</i> larvae. <i>Functional Ecology</i> , 2010, 24, 759-766.	3.6	25
47	Evolutionary constraints of warning signals: A genetic trade-off between the efficacy of larval and adult warning coloration can maintain variation in signal expression. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 2562-2572.	2.3	25
48	Are European White Butterflies Aposematic?. <i>Evolutionary Ecology</i> , 1999, 13, 709.	1.2	24
49	Sublethal effects of deltamethrin exposure of parental generations on physiological traits and overwintering in <i>Leptinotarsa decemlineata</i> . <i>Journal of Applied Entomology</i> , 2014, 138, 149-158.	1.8	23
50	Comparative Ecophysiology of Cold-Tolerance-Related Traits: Assessing Range Expansion Potential for an Invasive Insect at High Latitude. <i>Physiological and Biochemical Zoology</i> , 2015, 88, 254-265.	1.5	23
51	Stress for invasion success? Temperature stress of preceding generations modifies the response to insecticide stress in an invasive pest insect. <i>Evolutionary Applications</i> , 2013, 6, 313-323.	3.1	22
52	Butterfly effects in mimicry? Combining signal and taste can twist the relationship of Müllerian co-mimics. <i>Behavioral Ecology and Sociobiology</i> , 2008, 62, 1267-1276.	1.4	21
53	Genetic variation in growth and development time under two selection regimes in <i>Leptinotarsa decemlineata</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2008, 127, 157-167.	1.4	20
54	Cold tolerance during larval development: effects on the thermal distribution limits of <i>Leptinotarsa decemlineata</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2009, 133, 92-99.	1.4	20

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55	Resting metabolic rate can vary with age independently from body mass changes in the Colorado potato beetle, <i>Leptinotarsa decemlineata</i> . <i>Journal of Insect Physiology</i> , 2010, 56, 277-282.	2.0	17
56	Evolutionary Considerations in Potato Pest Management. , 2013, , 543-571.		16
57	Variability in host plant chemistry: behavioural responses and life-history parameters of the Colorado potato beetle ( <i>Leptinotarsa decemlineata</i> ). <i>Chemoecology</i> , 2007, 17, 51-56.	1.1	15
58	Agroecosystems shape population genetic structure of the greenhouse whitefly in Northern and Southern Europe. <i>BMC Evolutionary Biology</i> , 2014, 14, 165.	3.2	13
59	Glyphosate-based herbicide has soil-mediated effects on potato glycoalkaloids and oxidative status of a potato pest. <i>Chemosphere</i> , 2020, 258, 127254.	8.2	13
60	Responses of a native plant species from invaded and uninvaded areas to allelopathic effects of an invader. <i>Ecology and Evolution</i> , 2019, 9, 6116-6123.	1.9	11
61	Invasion triple trouble: environmental fluctuations, fluctuation-adapted invaders and fluctuation-mal-adapted communities all govern invasion success. <i>BMC Evolutionary Biology</i> , 2019, 19, 42.	3.2	11
62	Effects of a glyphosate-based herbicide on survival and oxidative status of a non-target herbivore, the Colorado potato beetle ( <i>Leptinotarsa decemlineata</i> ). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019, 215, 47-55.	2.6	11
63	How Did the Cuckoo Get Its Polymorphic Plumage?. <i>Science</i> , 2012, 337, 532-533.	12.6	10
64	Variation in mortality among populations is higher for pymetrozine than for imidacloprid and spiromesifen in <i>Trialeurodes vaporariorum</i> in greenhouses in Finland. <i>Pest Management Science</i> , 2014, 70, 1524-1530.	3.4	8
65	Sequence variation and regulatory variation in acetylcholinesterase genes contribute to insecticide resistance in different populations of <i>Leptinotarsa decemlineata</i> . <i>Ecology and Evolution</i> , 2021, 11, 15995-16005.	1.9	7
66	THE EFFECT OF ALTERNATIVE PREY ON THE DYNAMICS OF IMPERFECT BATESIAN AND MÄLLERIAN MIMICRIES. <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 1294.	2.3	6
67	Can Indirect Herbicide Exposure Modify the Response of the Colorado Potato Beetle to an Organophosphate Insecticide?. <i>Journal of Economic Entomology</i> , 2019, 112, 2316-2323.	1.8	5
68	Is a change in juvenile hormone sensitivity involved in range expansion in an invasive beetle?. <i>Frontiers in Zoology</i> , 2015, 12, 20.	2.0	2
69	Preconditioning of the generalist herbivore <i>Trialeurodes vaporariorum</i> to greenhouse monocultures and its subsequent performance on wild polycultures. <i>Entomologia Experimentalis Et Applicata</i> , 2016, 159, 1-16.	1.4	2
70	Repeated exposure of fluazinam fungicides affects gene expression profiles yet carries no costs on a nontarget pest. <i>Insect Science</i> , 2022, 29, 1373-1386.	3.0	2
71	Evolutionary considerations in potato pest management. , 2022, , 429-450.		2