

# Lia Hemerik

## List of Publications by Year in descending order

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Version: 2024-02-01

87  
papers

4,225  
citations

136740

32  
h-index

118652

62  
g-index

90  
all docs

90  
docs citations

90  
times ranked

6639  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intensive agriculture reduces soil biodiversity across Europe. <i>Global Change Biology</i> , 2015, 21, 973-985.	4.2	641
2	Soil food web properties explain ecosystem services across European land use systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 14296-14301.	3.3	520
3	SEED MASS AND MAST SEEDING ENHANCE DISPERSAL BY A NEOTROPICAL SCATTER-HOARDING RODENT. <i>Ecological Monographs</i> , 2004, 74, 569-589.	2.4	316
4	Telomere length behaves as biomarker of somatic redundancy rather than biological age. <i>Aging Cell</i> , 2013, 12, 330-332.	3.0	178
5	Amazonian rainforest tree mortality driven by climate and functional traits. <i>Nature Climate Change</i> , 2019, 9, 384-388.	8.1	159
6	Heteroclinic orbits indicate overexploitation in predator-prey systems with a strong Allee effect. <i>Mathematical Biosciences</i> , 2007, 209, 451-469.	0.9	140
7	Effects of land use on soil microbial biomass, activity and community structure at different soil depths in the Danube floodplain. <i>European Journal of Soil Biology</i> , 2017, 79, 14-20.	1.4	118
8	Adaptive Superparasitism and Patch Time Allocation in Solitary Parasitoids: An ESS Model. <i>Journal of Animal Ecology</i> , 1992, 61, 93.	1.3	109
9	Effect of local weather on butterfly flight behaviour, movement, and colonization: significance for dispersal under climate change. <i>Biodiversity and Conservation</i> , 2011, 20, 483-503.	1.2	97
10	The time and egg budget of <i>Leptopilina clavipes</i> , a parasitoid of larval <i>Drosophila</i> . <i>Ecological Entomology</i> , 1992, 17, 17-27.	1.1	92
11	Temperature effects on pitfall catches of epigeal arthropods: a model and method for bias correction. <i>Journal of Applied Ecology</i> , 2013, 50, 181-189.	1.9	86
12	A new statistical tool to predict phenology under climate change scenarios. <i>Global Change Biology</i> , 2005, 11, 600-606.	4.2	82
13	Effects of Intra-Patch Experiences on Patch Time, Search Time and Searching Efficiency of the Parasitoid <i>Leptopilina clavipes</i> . <i>Journal of Animal Ecology</i> , 1993, 62, 33.	1.3	79
14	An experimental test of the independent action hypothesis in virus-insect pathosystems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 2233-2242.	1.2	76
15	Patch exploitation by the parasitoids <i>Cotesia rubecula</i> and <i>Cotesia glomerata</i> in multi-patch environments with different host distributions. <i>Journal of Animal Ecology</i> , 1998, 67, 774-783.	1.3	71
16	The interaction between dispersal, the Allee effect and scramble competition affects population dynamics. <i>Ecological Modelling</i> , 2002, 148, 153-168.	1.2	70
17	<i>Drosophila</i> Species, Breeding in the Stinkhorn ( <i>Phallus Impudicus</i> Pers.) and Their Larval Parasitoids. <i>Animal Biology</i> , 1989, 40, 409-427.	0.4	49
18	Predicting the temperature-dependent natural population expansion of the western corn rootworm, <i>Diabrotica virgifera</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2004, 111, 59-69.	0.7	47

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19	Evolutionary Trajectory of White Spot Syndrome Virus (WSSV) Genome Shrinkage during Spread in Asia. <i>PLoS ONE</i> , 2010, 5, e13400.	1.1	47
20	Functional Responses of Three Neotropical Mirid Predators to Eggs of <i>Tuta absoluta</i> on Tomato. <i>Insects</i> , 2016, 7, 34.	1.0	47
21	Plants under multiple herbivory: consequences for parasitoid search behaviour and foraging efficiency. <i>Animal Behaviour</i> , 2012, 83, 501-509.	0.8	46
22	Valuing Supporting Soil Ecosystem Services in Agriculture: A Natural Capital Approach. <i>Agronomy Journal</i> , 2015, 107, 1809-1821.	0.9	45
23	Food web stability and weighted connectance: the complexity-stability debate revisited. <i>Theoretical Ecology</i> , 2016, 9, 49-58.	0.4	44
24	Increased aridity drives post-fire recovery of Mediterranean forests towards open shrublands. <i>New Phytologist</i> , 2020, 225, 1500-1515.	3.5	44
25	Mode of overwintering of invasive <i>Harmonia axyridis</i> in the Netherlands. <i>BioControl</i> , 2012, 57, 71-84.	0.9	42
26	Baculovirus-induced tree-top disease: how extended is the role of <i>egt</i> as a gene for the extended phenotype?. <i>Molecular Ecology</i> , 2015, 24, 249-258.	2.0	42
27	Diversity of soil macro-invertebrates in grasslands under restoration succession. <i>European Journal of Soil Biology</i> , 2002, 38, 145-150.	1.4	39
28	Time allocation of a parasitoid foraging in heterogeneous vegetation: implications for host-parasitoid interactions. <i>Journal of Animal Ecology</i> , 2007, 76, 845-853.	1.3	39
29	Shifts in dynamic regime of an invasive lady beetle are linked to the invasion and insecticidal management of its prey. <i>Ecological Applications</i> , 2015, 25, 1807-1818.	1.8	39
30	Soil multifunctionality: Synergies and trade-offs across European climatic zones and land uses. <i>European Journal of Soil Science</i> , 2021, 72, 1640-1654.	1.8	39
31	Superparasitism as an ESS: to reject or not to reject, that is the question. <i>Journal of Theoretical Biology</i> , 1990, 146, 467-482.	0.8	36
32	Aggregative Responses of Parasitoids and Parasitism in Populations of <i>Drosophila</i> Breeding in Fungi. <i>Oikos</i> , 1991, 61, 96.	1.2	35
33	Linking foraging behavior to lifetime reproductive success for an insect parasitoid: adaptation to host distributions. <i>Behavioral Ecology</i> , 2003, 14, 236-245.	1.0	34
34	Diapause and post-diapause quiescence demonstrated in overwintering <i>Harmonia axyridis</i> (Coleoptera: Tj ETQq 0,0 rgBT /Overlock 10	1.2	33
35	Secondary succession of terrestrial isopod, centipede, and millipede communities in grasslands under restoration. <i>Biology and Fertility of Soils</i> , 2004, 40, 163.	2.3	32
36	Food Preference of Wireworms Analyzed with Multinomial Logit Models. <i>Journal of Insect Behavior</i> , 2003, 16, 647-665.	0.4	29

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37	Winter survival of <i>Harmonia axyridis</i> in The Netherlands. <i>Biological Control</i> , 2012, 60, 68-76.	1.4	28
38	Outbreak analysis with a logistic growth model shows COVID-19 suppression dynamics in China. <i>PLoS ONE</i> , 2020, 15, e0235247.	1.1	27
39	Heterogeneous Host Susceptibility Enhances Prevalence of Mixed-Genotype Micro-Parasite Infections. <i>PLoS Computational Biology</i> , 2011, 7, e1002097.	1.5	25
40	Inbreeding, Allee effects and stochasticity might be sufficient to account for Neanderthal extinction. <i>PLoS ONE</i> , 2019, 14, e0225117.	1.1	25
41	Brochosome influence on parasitisation efficiency of <i>Homalodisca coagulata</i> (Say) (Hemiptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Entomology, 2005, 30, 485-496.	1.1	24
42	Reduced top-down control of phytoplankton in warmer climates can be explained by continuous fish reproduction. <i>Ecological Modelling</i> , 2007, 206, 205-212.	1.2	24
43	Host Selection Behaviour of the Parasitoid <i>Leptopilina Cla Vipés</i> , in Relation To Survival in Hosts. <i>Animal Biology</i> , 1990, 41, 99-111.	0.4	23
44	Mixed infections and the competitive fitness of faster-acting genetically modified viruses. <i>Evolutionary Applications</i> , 2009, 2, 209-221.	1.5	23
45	Reproduction now or later: optimal host-handling strategies in the whitefly parasitoid <i>Encarsia formosa</i> . <i>Oikos</i> , 2004, 106, 117-130.	1.2	21
46	Life history of the harlequin ladybird, <i>Harmonia axyridis</i> : a global meta-analysis. <i>BioControl</i> , 2017, 62, 283-296.	0.9	21
47	Model Selection for Nondestructive Quantification of Fruit Growth in Pepper. <i>Journal of the American Society for Horticultural Science</i> , 2012, 137, 71-79.	0.5	20
48	Flexible larval development and the timing of destructive feeding by a solitary endoparasitoid: an optimal foraging problem in evolutionary perspective. <i>Ecological Entomology</i> , 1999, 24, 308-315.	1.1	19
49	Time allocation of <i>Orius sauteri</i> in attacking <i>Thrips palmi</i> on an eggplant leaf. <i>Entomologia Experimentalis Et Applicata</i> , 2005, 117, 177-184.	0.7	19
50	Fruit Set and Yield Patterns in Six <i>Capsicum</i> Cultivars. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2009, 44, 1296-1301.	0.5	19
51	Organic matter reduces the amount of detectable environmental DNA in freshwater. <i>Ecology and Evolution</i> , 2020, 10, 3647-3654.	0.8	17
52	Movement Behaviour of the Carabid Beetle <i>Pterostichus melanarius</i> in Crops and at a Habitat Interface Explains Patterns of Population Redistribution in the Field. <i>PLoS ONE</i> , 2014, 9, e115751.	1.1	14
53	The Eclipse of Species Ranges. <i>Acta Biotheoretica</i> , 2007, 54, 255-266.	0.7	13
54	Scaling up from individual behaviour of <i>Orius sauteri</i> foraging on <i>Thrips palmi</i> to its daily functional response. <i>Population Ecology</i> , 2011, 53, 563-572.	0.7	13

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55	Patterns in intraspecific interaction strengths and the stability of food webs. <i>Theoretical Ecology</i> , 2016, 9, 95-106.	0.4	13
56	Egg distributions and the information a solitary parasitoid has and uses for its oviposition decisions. <i>Acta Biotheoretica</i> , 2002, 50, 167-188.	0.7	12
57	The Effect of Chemical Information on the Spatial Distribution of Fruit Flies: I Model Results. <i>Bulletin of Mathematical Biology</i> , 2008, 70, 1827-1849.	0.9	12
58	Flexible Use of Patch-Leaving Mechanisms in a Parasitoid Wasp. <i>Journal of Insect Behavior</i> , 2006, 19, 155-170.	0.4	11
59	On the risk of extinction of a wild plant species through spillover of a biological control agent: Analysis of an ecosystem compartment model. <i>Ecological Modelling</i> , 2010, 221, 1934-1943.	1.2	11
60	Enter the matrix: How to analyze the structure of behavior. <i>Behavior Research Methods</i> , 2006, 38, 357-363.	2.3	10
61	Analysing Population Numbers of the House Sparrow in the Netherlands With a Matrix Model and Suggestions for Conservation Measures. <i>Acta Biotheoretica</i> , 2006, 54, 161-178.	0.7	10
62	Diagnosing declining grassland wader populations using simple matrix models. <i>Animal Biology</i> , 2009, 59, 127-144.	0.6	9
63	Dispersal of a carabid beetle in farmland is driven by habitat-specific motility and preference at habitat interfaces. <i>Entomologia Experimentalis Et Applicata</i> , 2019, 167, 741-754.	0.7	9
64	Odor-mediated aggregation enhances the colonization ability of <i>Drosophila melanogaster</i> . <i>Journal of Theoretical Biology</i> , 2009, 258, 363-370.	0.8	8
65	Effects of Climate Change on Pest-Parasitoid Dynamics: Development of a Simulation Model and First Results. <i>Journal of Plant Diseases and Protection</i> , 2015, 122, 28-35.	1.6	8
66	Rapid Diversity Loss of Competing Animal Species in Well-Connected Landscapes. <i>PLoS ONE</i> , 2015, 10, e0132383.	1.1	8
67	Genotype assembly, biological activity and adaptation of spatially separated isolates of <i>Spodoptera litura</i> nucleopolyhedrovirus. <i>Journal of Invertebrate Pathology</i> , 2018, 153, 20-29.	1.5	8
68	Advances in Understanding and Managing Catastrophic Ecosystem Shifts in Mediterranean Ecosystems. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	1.1	8
69	The Effect of Chemical Information on the Spatial Distribution of Fruit Flies: II Parameterization, Calibration, and Sensitivity. <i>Bulletin of Mathematical Biology</i> , 2008, 70, 1850-1868.	0.9	7
70	Demography of European Honey Buzzards <i>Pernis apivorus</i> . <i>Ardea</i> , 2012, 100, 163-177.	0.3	7
71	The theoretical value of encounters with parasitized hosts for parasitoids. <i>Behavioral Ecology and Sociobiology</i> , 2006, 61, 291-304.	0.6	6
72	A Demo-Genetic Analysis of a Small Reintroduced Carnivore Population: The Otter ( <i>Lutra lutra</i> ) in The Netherlands. <i>International Journal of Ecology</i> , 2011, 2011, 1-11.	0.3	6

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73	Rapid Establishment of a Regular Distribution of Adult Tropical <i>Drosophila</i> Parasitoids in a Multi-Patch Environment by Patch Defence Behaviour. <i>PLoS ONE</i> , 2011, 6, e20870.	1.1	6
74	Egg distributions of solitary parasitoids revisited. <i>Entomologia Experimentalis Et Applicata</i> , 2003, 107, 81-86.	0.7	5
75	Conserving declining species using incomplete demographic information: what help can we expect from the use of matrix population models?. <i>Animal Biology</i> , 2006, 56, 519-533.	0.6	4
76	Survival, reproduction, and immigration explain the dynamics of a local Red-backed Shrike population in the Netherlands. <i>Journal of Ornithology</i> , 2015, 156, 35-46.	0.5	4
77	Capturing variation in floral shape: a virtual3D based morphospace for <i>Pelargonium</i> . <i>PeerJ</i> , 2020, 8, e8823.	0.9	4
78	Exploitation of Chemical Signaling by Parasitoids: Impact on Host Population Dynamics. <i>Journal of Chemical Ecology</i> , 2013, 39, 752-763.	0.9	3
79	Soil biodiversity: stress and change in grasslands under restoration succession. , 2005, , 343-362.		2
80	Predicting the potential establishment of two insect species using the simulation environment <i>INSIM</i> ( <i>IN</i> sect- <i>SIM</i> ulation). <i>Entomologia Experimentalis Et Applicata</i> , 2016, 159, 222-229.	0.7	2
81	Title is missing!. <i>Environmental and Ecological Statistics</i> , 2002, 9, 201-213.	1.9	1
82	Relating ultrasonic vocalizations from a pair of rats to individual behavior: A composite link model approach. <i>Statistica Neerlandica</i> , 2019, 73, 139-156.	0.9	1
83	The Founder and Allee Effects in the Patch Occupancy Metapopulation Model. , 2005, , 203-232.		0
84	Outbreak analysis with a logistic growth model shows COVID-19 suppression dynamics in China. , 2020, 15, e0235247.		0
85	Outbreak analysis with a logistic growth model shows COVID-19 suppression dynamics in China. , 2020, 15, e0235247.		0
86	Outbreak analysis with a logistic growth model shows COVID-19 suppression dynamics in China. , 2020, 15, e0235247.		0
87	Outbreak analysis with a logistic growth model shows COVID-19 suppression dynamics in China. , 2020, 15, e0235247.		0