

Mattias Jonsson

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

2,902

citations

31

h-index

53

g-index

68

ext. papers

3,691

ext. citations

4.4

avg, IF

5.1

L-index

#	Paper	IF	Citations
62	When natural habitat fails to enhance biological pest control [Five hypotheses. <i>Biological Conservation</i> , 2016 , 204, 449-458	6.2	273
61	Crop pests and predators exhibit inconsistent responses to surrounding landscape composition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E7863-E7870	11.5	265
60	A global synthesis reveals biodiversity-mediated benefits for crop production. <i>Science Advances</i> , 2019 , 5, eaax0121	14.3	259
59	Recent advances in conservation biological control of arthropods by arthropods. <i>Biological Control</i> , 2008 , 45, 172-175	3.8	197
58	Flow and stability of natural pest control services depend on complexity and crop rotation at the landscape scale. <i>Journal of Applied Ecology</i> , 2013 , 50, 345-354	5.8	138
57	The effectiveness of flower strips and hedgerows on pest control, pollination services and crop yield: a quantitative synthesis. <i>Ecology Letters</i> , 2020 , 23, 1488-1498	10	115
56	Economics and adoption of conservation biological control. <i>Biological Control</i> , 2008 , 45, 272-280	3.8	91
55	Effects of agroforestry on pest, disease and weed control: A meta-analysis. <i>Basic and Applied Ecology</i> , 2015 , 16, 573-582	3.2	78
54	Colonization Patterns of Insects Breeding in Wood-Decaying Fungi. <i>Journal of Insect Conservation</i> , 1999 , 3, 145-161	2.1	71
53	Contribution of trees to the conservation of biodiversity and ecosystem services in agricultural landscapes. <i>International Journal of Biodiversity Science, Ecosystem Services & Management</i> , 2018 , 14, 1-16		65
52	Experimental evidence that the effectiveness of conservation biological control depends on landscape complexity. <i>Journal of Applied Ecology</i> , 2015 , 52, 1274-1282	5.8	63
51	Habitat manipulation to mitigate the impacts of invasive arthropod pests. <i>Biological Invasions</i> , 2010 , 12, 2933-2945	2.7	59
50	Effects of an herbivore-induced plant volatile on arthropods from three trophic levels in brassicas. <i>Biological Control</i> , 2010 , 53, 62-67	3.8	58
49	Relationships between natural enemy diversity and biological control. <i>Current Opinion in Insect Science</i> , 2017 , 20, 1-6	5.1	57
48	Methods to identify the prey of invertebrate predators in terrestrial field studies. <i>Ecology and Evolution</i> , 2017 , 7, 1942-1953	2.8	57
47	Diet of generalist predators reflects effects of cropping period and farming system on extra- and intraguild prey 2017 , 27, 1167-1177		53
46	Cost-effectiveness of silvicultural measures to increase substrate availability for red-listed wood-living organisms in Norway spruce forests. <i>Biological Conservation</i> , 2006 , 127, 443-462	6.2	53

45	Agroforestry delivers a win-win solution for ecosystem services in sub-Saharan Africa. A meta-analysis. <i>Agronomy for Sustainable Development</i> , 2019 , 39, 1	6.8	52
44	Solution Scanning as a Key Policy Tool: Identifying Management Interventions to Help Maintain and Enhance Regulating Ecosystem Services. <i>Ecology and Society</i> , 2014 , 19,	4.1	52
43	Modelled impact of Norway spruce logging residue extraction on biodiversity in Sweden. <i>Canadian Journal of Forest Research</i> , 2011 , 41, 1220-1232	1.9	48
42	Agroforestry boosts soil health in the humid and sub-humid tropics: A meta-analysis. <i>Agriculture, Ecosystems and Environment</i> , 2020 , 295, 106899	5.7	47
41	Implications of floral resources for predation by an omnivorous lacewing. <i>Basic and Applied Ecology</i> , 2008 , 9, 172-181	3.2	46
40	Cost-efficiency of measures to increase the amount of coarse woody debris in managed Norway spruce forests. <i>Forest Ecology and Management</i> , 2005 , 206, 119-133	3.9	44
39	Colonisation ability of the threatened tenebrionid beetle <i>Oplocephala haemorrhoidalis</i> and its common relative <i>Bolitophagus reticulatus</i> . <i>Ecological Entomology</i> , 2003 , 28, 159-167	2.1	43
38	Ecological production functions for biological control services in agricultural landscapes. <i>Methods in Ecology and Evolution</i> , 2014 , 5, 243-252	7.7	42
37	Attract and reward Combining a herbivore-induced plant volatile with floral resource supplementation Multi-trophic level effects. <i>Biological Control</i> , 2013 , 64, 106-115	3.8	42
36	Effects of landscape complexity and habitat management on stemborer colonization, parasitism and damage to maize. <i>Agriculture, Ecosystems and Environment</i> , 2014 , 188, 289-293	5.7	37
35	High Redundancy as well as Complementary Prey Choice Characterize Generalist Predator Food Webs in Agroecosystems. <i>Scientific Reports</i> , 2018 , 8, 8054	4.9	34
34	Diagnostic PCR assays to unravel food web interactions in cereal crops with focus on biological control of aphids. <i>Journal of Pest Science</i> , 2016 , 89, 281-293	5.5	33
33	The impact of floral resources and omnivory on a four trophic level food web. <i>Bulletin of Entomological Research</i> , 2009 , 99, 275-85	1.7	33
32	Habitat heterogeneity induces rapid changes in the feeding behaviour of generalist arthropod predators. <i>Functional Ecology</i> , 2018 , 32, 809-819	5.6	33
31	Ecosystem function in predator-prey food webs-confronting dynamic models with empirical data. <i>Journal of Animal Ecology</i> , 2019 , 88, 196-210	4.7	31
30	Contrasting effects of shade level and altitude on two important coffee pests. <i>Journal of Pest Science</i> , 2015 , 88, 281-287	5.5	31
29	Agricultural intensification drives landscape-context effects on host-parasitoid interactions in agroecosystems. <i>Journal of Applied Ecology</i> , 2012 , 49, no-no	5.8	25
28	Trees in agricultural landscapes enhance provision of ecosystem services in Sub-Saharan Africa. <i>International Journal of Biodiversity Science, Ecosystem Services & Management</i> , 2016 , 1-19		25

27	Predictive power of food web models based on body size decreases with trophic complexity. <i>Ecology Letters</i> , 2018 , 21, 702-712	10	24
26	Additive effects of predator diversity on pest control caused by few interactions among predator species. <i>Ecological Entomology</i> , 2015 , 40, 362-371	2.1	23
25	Insect Colonisation of Fruiting Bodies of the Wood-decaying Fungus <i>Fomitopsis pinicola</i> at Different Distances from an Old-growth Forest. <i>Biodiversity and Conservation</i> , 2006 , 15, 295-309	3.4	20
24	Cost-effectiveness of silvicultural measures to increase substrate availability for wood-dwelling species: A comparison among boreal tree species. <i>Scandinavian Journal of Forest Research</i> , 2010 , 25, 46-60	1.7	18
23	Comparative Genetic Structure of the Threatened Tenebrionid Beetle <i>Oplocephala haemorrhoidalis</i> and its Common Relative <i>Bolitophagus reticulatus</i> . <i>Journal of Insect Conservation</i> , 2003 , 7, 111-124	2.1	16
22	Theoretical expectations for thresholds in the relationship between number of wood-living species and amount of coarse woody debris: A study case in spruce forests. <i>Journal for Nature Conservation</i> , 2007 , 15, 120-130	2.3	15
21	Assessing the resilience of biodiversity-driven functions in agroecosystems under environmental change. <i>Advances in Ecological Research</i> , 2019 , 59-123	4.6	14
20	Resilience of ecosystem processes: a new approach shows that functional redundancy of biological control services is reduced by landscape simplification. <i>Ecology Letters</i> , 2019 , 22, 1568-1577	10	13
19	When is it biological control? A framework of definitions, mechanisms, and classifications. <i>Journal of Pest Science</i> , 2021 , 94, 665-676	5.5	13
18	Shade trees decrease pest abundances on brassica crops in Kenya. <i>Agroforestry Systems</i> , 2019 , 93, 641-652		13
17	Relating shading levels and distance from natural vegetation with hemipteran pests and predators occurrence on coffee. <i>Journal of Applied Entomology</i> , 2015 , 139, 669-678	1.7	11
16	Integrated pest and pollinator management [Expanding the concept. <i>Frontiers in Ecology and the Environment</i> , 2021 , 19, 283-291	5.5	11
15	Modelling mating success of saproxylic beetles in relation to search behaviour, population density and substrate abundance. <i>Animal Behaviour</i> , 2003 , 65, 1069-1076	2.8	9
14	Pheromones affecting flying beetles colonizing the polypores <i>Fomes fomentarius</i> and <i>Fomitopsis pinicola</i> . <i>Entomologica Fennica</i> , 1997 , 8, 161-165	1	9
13	Introduction: Special issue on species interactions, ecological networks and community dynamics - Untangling the entangled bank using molecular techniques. <i>Molecular Ecology</i> , 2019 , 28, 157-164	5.7	8
12	The role of trees and livestock in ecosystem service provision and farm priorities on smallholder farms in the Rift Valley, Kenya. <i>Agricultural Systems</i> , 2020 , 181, 102815	6.1	6
11	Effects of Agroforestry and Other Sustainable Practices in the Kenya Agricultural Carbon Project (KACP). <i>Land</i> , 2020 , 9, 389	3.5	5
10	Least-cost allocation of measures to increase the amount of coarse woody debris in forest estates. <i>Journal of Forest Economics</i> , 2013 , 19, 267-285	1.1	5

9	Factors affecting smallholder adoption of adaptation and coping measures to deal with rainfall variability. <i>International Journal of Agricultural Sustainability</i> , 2021 , 19, 175-198	2.2	4
8	Suction-trap catches partially predict infestations of the grain aphid <i>Sitobion avenae</i> in winter wheat fields. <i>Journal of Applied Entomology</i> , 2016 , 140, 553-557	1.7	3
7	High agricultural intensity at the landscape scale benefits pests, but low intensity practices at the local scale can mitigate these effects. <i>Agriculture, Ecosystems and Environment</i> , 2021 , 306, 107199	5.7	3
6	The Ecology and Utility of Local and Landscape Scale Effects in Pest Management 2012 , 106-120		2
5	Landscape complexity promotes resilience of biological pest control to climate change. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021 , 288, 20210547	4.4	2
4	Models of natural pest control: Towards predictions across agricultural landscapes. <i>Biological Control</i> , 2021 , 163, 104761	3.8	2
3	Effects of management practices on legume productivity in smallholder farming systems in sub-Saharan Africa. <i>Food and Energy Security</i> ,	4.1	1
2	Insect colonisation of fruiting bodies of the wood-decaying fungus <i>Fomitopsis pinicola</i> at different distances from an old-growth forest 2006 , 281-295		1
1	Influence of drought on interactions between <i>Rhopalosiphum padi</i> and ground dwelling predators in a mesocosm study. <i>Journal of Applied Entomology</i> ,	1.7	0