Mattias Jonsson

List of Publications by Year in Descending Order

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 is it biological control? A framework of definitions, mechanisms, and classifications. *Journal of Pest Science*, **2021**, 94, 665-676	5.5	13
61	Factors affecting smallholder adoption of adaptation and coping measures to deal with rainfall variability. *International Journal of Agricultural Sustainability*, **2021**, 19, 175-198	2.2	4
60	Integrated pest and pollinator management expanding the concept. *Frontiers in Ecology and the Environment*, **2021**, 19, 283-291	5.5	11
59	Landscape complexity promotes resilience of biological pest control to climate change. *Proceedings of the Royal Society B: Biological Sciences*, **2021**, 288, 20210547	4.4	2
58	High agricultural intensity at the landscape scale benefits pests, but low intensity practices at the local scale can mitigate these effects. *Agriculture, Ecosystems and Environment*, **2021**, 306, 107199	5.7	3
57	Models of natural pest control: Towards predictions across agricultural landscapes. *Biological Control*, **2021**, 163, 104761	3.8	2
56	Effects of Agroforestry and Other Sustainable Practices in the Kenya Agricultural Carbon Project (KACP). *Land*, **2020**, 9, 389	3.5	5
55	Agroforestry boosts soil health in the humid and sub-humid tropics: A meta-analysis. *Agriculture, Ecosystems and Environment*, **2020**, 295, 106899	5.7	47
54	The role of trees and livestock in ecosystem service provision and farm priorities on smallholder farms in the Rift Valley, Kenya. *Agricultural Systems*, **2020**, 181, 102815	6.1	6
53	The effectiveness of flower strips and hedgerows on pest control, pollination services and crop yield: a quantitative synthesis. *Ecology Letters*, **2020**, 23, 1488-1498	10	115
52	Agroforestry delivers a win-win solution for ecosystem services in sub-Saharan Africa. A meta-analysis. *Agronomy for Sustainable Development*, **2019**, 39, 1	6.8	52
51	Assessing the resilience of biodiversity-driven functions in agroecosystems under environmental change. *Advances in Ecological Research*, **2019**, 59-123	4.6	14
50	Ecosystem function in predator-prey food webs-confronting dynamic models with empirical data. *Journal of Animal Ecology*, **2019**, 88, 196-210	4.7	31
49	Resilience of ecosystem processes: a new approach shows that functional redundancy of biological control services is reduced by landscape simplification. *Ecology Letters*, **2019**, 22, 1568-1577	10	13
48	A global synthesis reveals biodiversity-mediated benefits for crop production. *Science Advances*, **2019**, 5, eaax0121	14.3	259
47	Introduction: Special issue on species interactions, ecological networks and community dynamics - Untangling the entangled bank using molecular techniques. *Molecular Ecology*, **2019**, 28, 157-164	5.7	8
46	Shade trees decrease pest abundances on brassica crops in Kenya. *Agroforestry Systems*, **2019**, 93, 641-652	2	13

45	Predictive power of food web models based on body size decreases with trophic complexity. *Ecology Letters*, **2018**, 21, 702-712	10	24
44	Contribution of trees to the conservation of biodiversity and ecosystem services in agricultural landscapes. *International Journal of Biodiversity Science, Ecosystem Services & Management*, **2018**, 14, 1-16		65
43	Crop pests and predators exhibit inconsistent responses to surrounding landscape composition. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E7863-E7870	11.5	265
42	Habitat heterogeneity induces rapid changes in the feeding behaviour of generalist arthropod predators. *Functional Ecology*, **2018**, 32, 809-819	5.6	33
41	High Redundancy as well as Complementary Prey Choice Characterize Generalist Predator Food Webs in Agroecosystems. *Scientific Reports*, **2018**, 8, 8054	4.9	34
40	Relationships between natural enemy diversity and biological control. *Current Opinion in Insect Science*, **2017**, 20, 1-6	5.1	57
39	Diet of generalist predators reflects effects of cropping period and farming system on extra- and intraguild prey **2017**, 27, 1167-1177		53
38	Methods to identify the prey of invertebrate predators in terrestrial field studies. *Ecology and Evolution*, **2017**, 7, 1942-1953	2.8	57
37	When natural habitat fails to enhance biological pest control Five hypotheses. *Biological Conservation*, **2016**, 204, 449-458	6.2	273
36	Diagnostic PCR assays to unravel food web interactions in cereal crops with focus on biological control of aphids. *Journal of Pest Science*, **2016**, 89, 281-293	5.5	33
35	Suction-trap catches partially predict infestations of the grain aphid Sitobion avenae in winter wheat fields. *Journal of Applied Entomology*, **2016**, 140, 553-557	1.7	3
34	Trees in agricultural landscapes enhance provision of ecosystem services in Sub-Saharan Africa. *International Journal of Biodiversity Science, Ecosystem Services & Management*, **2016**, 1-19		25
33	Relating shading levels and distance from natural vegetation with hemipteran pests and predators occurrence on coffee. *Journal of Applied Entomology*, **2015**, 139, 669-678	1.7	11
32	Additive effects of predator diversity on pest control caused by few interactions among predator species. *Ecological Entomology*, **2015**, 40, 362-371	2.1	23
31	Effects of agroforestry on pest, disease and weed control: A meta-analysis. *Basic and Applied Ecology*, **2015**, 16, 573-582	3.2	78
30	Experimental evidence that the effectiveness of conservation biological control depends on landscape complexity. *Journal of Applied Ecology*, **2015**, 52, 1274-1282	5.8	63
29	Contrasting effects of shade level and altitude on two important coffee pests. *Journal of Pest Science*, **2015**, 88, 281-287	5.5	31
28	Effects of landscape complexity and habitat management on stemborer colonization, parasitism and damage to maize. *Agriculture, Ecosystems and Environment*, **2014**, 188, 289-293	5.7	37

27	Ecological production functions for biological control services in agricultural landscapes. *Methods in Ecology and Evolution*, **2014**, 5, 243-252	7.7	42
26	Solution Scanning as a Key Policy Tool: Identifying Management Interventions to Help Maintain and Enhance Regulating Ecosystem Services. *Ecology and Society*, **2014**, 19,	4.1	52
25	Least-cost allocation of measures to increase the amount of coarse woody debris in forest estates. *Journal of Forest Economics*, **2013**, 19, 267-285	1.1	5
24	Attract and reward Combining a herbivore-induced plant volatile with floral resource supplementation Multi-trophic level effects. *Biological Control*, **2013**, 64, 106-115	3.8	42
23	Flow and stability of natural pest control services depend on complexity and crop rotation at the landscape scale. *Journal of Applied Ecology*, **2013**, 50, 345-354	5.8	138
22	Agricultural intensification drives landscape-context effects on host parasitoid interactions in agroecosystems. *Journal of Applied Ecology*, **2012**, 49, no-no	5.8	25
21	The Ecology and Utility of Local and Landscape Scale Effects in Pest Management **2012**, 106-120		2
20	Modelled impact of Norway spruce logging residue extraction on biodiversity in Sweden. *Canadian Journal of Forest Research*, **2011**, 41, 1220-1232	1.9	48
19	Cost-effectiveness of silvicultural measures to increase substrate availability for wood-dwelling species: A comparison among boreal tree species. *Scandinavian Journal of Forest Research*, **2010**, 25, 46-60	1.7	18
18	Habitat manipulation to mitigate the impacts of invasive arthropod pests. *Biological Invasions*, **2010** , 12, 2933-2945	2.7	59
17	Effects of an herbivore-induced plant volatile on arthropods from three trophic levels in brassicas. *Biological Control*, **2010**, 53, 62-67	3.8	58
16	The impact of floral resources and omnivory on a four trophic level food web. *Bulletin of Entomological Research*, **2009**, 99, 275-85	1.7	33
15	Implications of floral resources for predation by an omnivorous lacewing. *Basic and Applied Ecology*, **2008**, 9, 172-181	3.2	46
14	Recent advances in conservation biological control of arthropods by arthropods. *Biological Control*, **2008**, 45, 172-175	3.8	197
13	Economics and adoption of conservation biological control. *Biological Control*, **2008**, 45, 272-280	3.8	91
12	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. *Journal for Nature Conservation*, **2007**, 15, 120-130	2.3	15
11	Cost-effectiveness of silvicultural measures to increase substrate availability for red-listed wood-living organisms in Norway spruce forests. *Biological Conservation*, **2006**, 127, 443-462	6.2	53
10	Insect Colonisation of Fruiting Bodies of the Wood-decaying Fungus Fomitopsis pinicola at Different Distances from an Old-growth Forest. *Biodiversity and Conservation*, **2006**, 15, 295-309	3.4	20

9	Insect colonisation of fruiting bodies of the wood-decaying fungus Fomitopsis pinicola at different distances from an old-growth forest **2006**, 281-295		1
8	Cost-efficiency of measures to increase the amount of coarse woody debris in managed Norway spruce forests. *Forest Ecology and Management*, **2005**, 206, 119-133	3.9	44
7	Comparative Genetic Structure of the Threatened Tenebrionid Beetle Oplocephala haemorrhoidalis and its Common Relative Bolitophagus reticulatus. *Journal of Insect Conservation*, **2003**, 7, 111-124	2.1	16
6	Modelling mating success of saproxylic beetles in relation to search behaviour, population density and substrate abundance. *Animal Behaviour*, **2003**, 65, 1069-1076	2.8	9
5	Colonisation ability of the threatened tenebrionid beetle Oplocephala haemorrhoidalis and its common relative Bolitophagus reticulatus. *Ecological Entomology*, **2003**, 28, 159-167	2.1	43
4	Colonization Patterns of Insects Breeding in Wood-Decaying Fungi. *Journal of Insect Conservation*, **1999**, 3, 145-161	2.1	71
3	Pheromones affecting flying beetles colonizing the polypores Fomes fomentarius and Fomitopsis pinicola. *Entomologica Fennica*, **1997**, 8, 161-165	1	9
2	Effects of management practices on legume productivity in smallholder farming systems in sub-Saharan Africa. *Food and Energy Security*,	4.1	1
1	Influence of drought on interactions between Rhopalosiphum padi and ground dwelling predators A mesocosm study. *Journal of Applied Entomology*,	1.7	0