

Micael Jonsson

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

3,635
citations

201674

27
h-index

182427

51
g-index

53
all docs

53
docs citations

53
times ranked

5789
citing authors

#	ARTICLE	IF	CITATIONS
1	Higher levels of multiple ecosystem services are found in forests with more tree species. <i>Nature Communications</i> , 2013, 4, 1340.	12.8	1,034
2	Ecological effects of pharmaceuticals in aquatic systems – impacts through behavioural alterations. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130580.	4.0	352
3	Ecosystem process rate increases with animal species richness: evidence from leaf-eating, aquatic insects. <i>Oikos</i> , 2000, 89, 519-523.	2.7	220
4	Linking vegetation change, carbon sequestration and biodiversity: insights from island ecosystems in a long-term natural experiment. <i>Journal of Ecology</i> , 2012, 100, 16-30.	4.0	191
5	Simulating species loss following perturbation: assessing the effects on process rates. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 1047-1052.	2.6	117
6	Patchy field sampling biases understanding of climate change impacts across the Arctic. <i>Nature Ecology and Evolution</i> , 2018, 2, 1443-1448.	7.8	112
7	Leaf litter breakdown rates in boreal streams: does shredder species richness matter?. <i>Freshwater Biology</i> , 2001, 46, 161-171.	2.4	111
8	Bioaccumulation of five pharmaceuticals at multiple trophic levels in an aquatic food web - Insights from a field experiment. <i>Science of the Total Environment</i> , 2016, 568, 208-215.	8.0	110
9	Structural equation modelling reveals plant-community drivers of carbon storage in boreal forest ecosystems. <i>Biology Letters</i> , 2010, 6, 116-119.	2.3	107
10	Mechanisms behind positive diversity effects on ecosystem functioning: testing the facilitation and interference hypotheses. <i>Oecologia</i> , 2003, 134, 554-559.	2.0	103
11	Land-use effects on terrestrial consumers through changed size structure of aquatic insects. <i>Freshwater Biology</i> , 2015, 60, 136-149.	2.4	69
12	Context dependency of litter-mixing effects on decomposition and nutrient release across a long-term chronosequence. <i>Oikos</i> , 2008, 117, 1674-1682.	2.7	68
13	Patterns of invertebrate density and taxonomic richness across gradients of area, isolation, and vegetation diversity in a lake-island system. <i>Ecography</i> , 2009, 32, 963-972.	4.5	64
14	Climate change modifies the size structure of assemblages of emerging aquatic insects. <i>Freshwater Biology</i> , 2015, 60, 78-88.	2.4	58
15	GABAergic anxiolytic drug in water increases migration behaviour in salmon. <i>Nature Communications</i> , 2016, 7, 13460.	12.8	57
16	Levels of forest ecosystem services depend on specific mixtures of commercial tree species. <i>Nature Plants</i> , 2019, 5, 141-147.	9.3	57
17	Screening of benzodiazepines in thirty European rivers. <i>Chemosphere</i> , 2017, 176, 324-332.	8.2	52
18	Importance of species identity and number for process rates within different stream invertebrate functional feeding groups. <i>Journal of Animal Ecology</i> , 2003, 72, 453-459.	2.8	45

#	ARTICLE	IF	CITATIONS
19	Per- and Polyfluoroalkyl-Contaminated Freshwater Impacts Adjacent Riparian Food Webs. <i>Environmental Science & Technology</i> , 2020, 54, 11951-11960.	10.0	45
20	Direct and Indirect Drivers of Moss Community Structure, Function, and Associated Microfauna Across a Successional Gradient. <i>Ecosystems</i> , 2015, 18, 154-169.	3.4	43
21	Composition of riparian litter input regulates organic matter decomposition: Implications for headwater stream functioning in a managed forest landscape. <i>Ecology and Evolution</i> , 2017, 7, 1068-1077.	1.9	41
22	Point source characterization of per- and polyfluoroalkyl substances (PFASs) and extractable organofluorine (EOF) in freshwater and aquatic invertebrates. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 1887-1898.	3.5	35
23	The influence of freshwater-lake subsidies on invertebrates occupying terrestrial vegetation. <i>Acta Oecologica</i> , 2009, 35, 698-704.	1.1	34
24	Effect of bioconcentration and trophic transfer on realized exposure to oxazepam in 2 predators, the dragonfly larvae (<i>Aeshna grandis</i>) and the Eurasian perch (<i>Perca fluviatilis</i>). <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 930-937.	4.3	33
25	Drug-Induced Behavioral Changes: Using Laboratory Observations to Predict Field Observations. <i>Frontiers in Environmental Science</i> , 2016, 4, .	3.3	32
26	Species richness and composition effects in a detrital processing chain. <i>Journal of the North American Benthological Society</i> , 2005, 24, 798-806.	3.1	31
27	Land use influences macroinvertebrate community composition in boreal headwaters through altered stream conditions. <i>Ambio</i> , 2017, 46, 311-323.	5.5	31
28	Stand age and climate influence forest ecosystem service delivery and multifunctionality. <i>Environmental Research Letters</i> , 2020, 15, 0940a8.	5.2	30
29	Nitrogen limitation of heterotrophic biofilms in boreal streams. <i>Freshwater Biology</i> , 2015, 60, 1237-1251.	2.4	26
30	Direct and indirect effects of area, energy and habitat heterogeneity on breeding bird communities. <i>Journal of Biogeography</i> , 2011, 38, 1186-1196.	3.0	25
31	Upscaling behavioural studies to the field using acoustic telemetry. <i>Aquatic Toxicology</i> , 2016, 170, 384-389.	4.0	24
32	Biodiversity effects in real ecosystems – a response to Duffy. <i>Frontiers in Ecology and the Environment</i> , 2010, 8, 10-11.	4.0	22
33	Title is missing!. <i>Biological Invasions</i> , 2002, 4, 441-446.	2.4	21
34	The old and the new: evaluating performance of acoustic telemetry systems in tracking migrating Atlantic salmon (<i>Salmo salar</i>) smolt and European eel (<i>Anguilla anguilla</i>) around hydropower facilities. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2020, 77, 177-187.	1.4	21
35	The effect of lead (Pb) and zinc (Zn) contamination on aquatic insect community composition and metamorphosis. <i>Science of the Total Environment</i> , 2020, 734, 139406.	8.0	21
36	Reduced breeding success of pied flycatchers (<i>Ficedula hypoleuca</i>) along regulated rivers. <i>Ibis</i> , 2013, 155, 348-356.	1.9	20

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37	Quantification of Biodriven Transfer of Per- and Polyfluoroalkyl Substances from the Aquatic to the Terrestrial Environment via Emergent Insects. <i>Environmental Science & Technology</i> , 2021, 55, 7900-7909.	10.0	19
38	Effects of an antihistamine on carbon and nutrient recycling in streams. <i>Science of the Total Environment</i> , 2015, 538, 240-245.	8.0	18
39	Above-ground and below-ground responses to long-term nutrient addition across a retrogressive chronosequence. <i>Journal of Ecology</i> , 2016, 104, 545-560.	4.0	18
40	True autochthony and allochthony in aquatic-terrestrial resource fluxes along a landuse gradient. <i>Freshwater Science</i> , 2016, 35, 882-894.	1.8	18
41	Less anxious salmon smolt become easy prey during downstream migration. <i>Science of the Total Environment</i> , 2019, 687, 488-493.	8.0	16
42	Drivers of inter-year variability of plant production and decomposers across contrasting island ecosystems. <i>Ecology</i> , 2012, 93, 521-531.	3.2	13
43	Influences of river regulation and environmental variables on upland bird assemblages in northern Sweden. <i>Ecological Research</i> , 2012, 27, 945-954.	1.5	11
44	Catchment properties predict autochthony in stream filter feeders. <i>Hydrobiologia</i> , 2018, 815, 83-95.	2.0	10
45	High-speed imaging reveals how antihistamine exposure affects escape behaviours in aquatic insect prey. <i>Science of the Total Environment</i> , 2019, 648, 1257-1262.	8.0	10
46	Impacts of Oxazepam on Perch (<i>Perca fluviatilis</i>) Behavior: Fish Familiarized to Lake Conditions Do Not Show Predicted Anti-anxiety Response. <i>Environmental Science & Technology</i> , 2021, 55, 3624-3633.	10.0	9
47	Home alone—The effects of isolation on uptake of a pharmaceutical contaminant in a social fish. <i>Aquatic Toxicology</i> , 2016, 180, 71-77.	4.0	8
48	Availability of specific prey types impact pied flycatcher (<i>Ficedula hypoleuca</i>) nestling health in a moderately lead contaminated environment in northern Sweden. <i>Environmental Pollution</i> , 2020, 257, 113478.	7.5	8
49	Divergent responses of diversity among organism groups to a strong environmental gradient. <i>Ecosphere</i> , 2016, 7, e01535.	2.2	6
50	Environmentally relevant concentrations of the common anxiolytic pharmaceutical oxazepam do not have acute effect on spawning behavior in mature male Atlantic salmon (<i>Salmo salar</i>) parr. <i>Journal of Applied Ichthyology</i> , 2020, 36, 105-112.	0.7	3
51	Seasonal variation in the coupling of microbial activity and leaf litter decomposition in a boreal stream network. <i>Freshwater Biology</i> , 2022, 67, 812-827.	2.4	3