

GÅrnan Englund

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

4,850
citations

117625

34
h-index

98798

67
g-index

78
all docs

78
docs citations

78
times ranked

5921
citing authors

#	ARTICLE	IF	CITATIONS
1	Emergent impacts of multiple predators on prey. <i>Trends in Ecology and Evolution</i> , 1998, 13, 350-355.	8.7	1,097
2	Temperature dependence of the functional response. <i>Ecology Letters</i> , 2011, 14, 914-921.	6.4	328
3	Patch area, population density and the scaling of migration rates: the resource concentration hypothesis revisited. <i>Ecology Letters</i> , 2005, 8, 1057-1065.	6.4	182
4	Environmental DNA Time Series in Ecology. <i>Trends in Ecology and Evolution</i> , 2018, 33, 945-957.	8.7	152
5	THE IMPORTANCE OF DATA-SELECTION CRITERIA: META-ANALYSES OF STREAM PREDATION EXPERIMENTS. <i>Ecology</i> , 1999, 80, 1132-1141.	3.2	146
6	Habitat use by crayfish in stream pools: influence of predators, depth and body size. <i>Freshwater Biology</i> , 2000, 43, 75-83.	2.4	142
7	Scale effects and extrapolation in ecological experiments. <i>Advances in Ecological Research</i> , 2003, 33, 161-213.	2.7	141
8	Functional responses and scaling in predator-prey interactions of marine fishes: contemporary issues and emerging concepts. <i>Ecology Letters</i> , 2011, 14, 1288-1299.	6.4	129
9	Non-native and native organisms moving into high elevation and high latitude ecosystems in an era of climate change: new challenges for ecology and conservation. <i>Biological Invasions</i> , 2016, 18, 345-353.	2.4	127
10	Effects of warming on predator-prey interactions - a resource-based approach and a theoretical synthesis. <i>Ecology Letters</i> , 2017, 20, 513-523.	6.4	126
11	IMPORTANCE OF SPATIAL SCALE AND PREY MOVEMENTS IN PREDATOR CAGING EXPERIMENTS. <i>Ecology</i> , 1997, 78, 2316-2325.	3.2	122
12	Lake Sedimentary DNA Research on Past Terrestrial and Aquatic Biodiversity: Overview and Recommendations. <i>Quaternary</i> , 2021, 4, 6.	2.0	121
13	A way forward with eco evo devo: an extended theory of resource polymorphism with postglacial fishes as model systems. <i>Biological Reviews</i> , 2019, 94, 1786-1808.	10.4	88
14	Effects of Disturbance on Stream Moss and Invertebrate Community Structure. <i>Journal of the North American Benthological Society</i> , 1991, 10, 143-153.	3.1	86
15	Temperature dependence of predation depends on the relative performance of predators and prey. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20142254.	2.6	78
16	Scale dependence of immigration rates: models, metrics and data. <i>Journal of Animal Ecology</i> , 2007, 76, 30-35.	2.8	76
17	Habitat specialization, body size, and family identity explain lepidopteran density-area relationships in a cross-continental comparison. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 8368-8373.	7.1	74
18	Scaling up the functional response for spatially heterogeneous systems. <i>Ecology Letters</i> , 2008, 11, 440-449.	6.4	74

#	ARTICLE	IF	CITATIONS
19	EFFECTS OF FLOW REGULATION, HABITAT AREA AND ISOLATION ON THE MACROINVERTEBRATE FAUNA OF RAPIDS IN NORTH SWEDISH RIVERS. <i>River Research and Applications</i> , 1996, 12, 433-445.	0.8	62
20	Fighting and assessment in the net-spinning caddis larva <i>Arctopsyche ladogensis</i> : a test of the sequential assessment game. <i>Animal Behaviour</i> , 1990, 39, 55-62.	1.9	60
21	Increased ecoefficiency and gross rebound effect: Evidence from USA and six European countries 1960–2002. <i>Ecological Economics</i> , 2009, 68, 879-887.	5.7	59
22	Network connectivity and dispersal barriers: using geographical information system (GIS) tools to predict landscape scale distribution of a key predator (<i>Esox lucius</i>) among lakes. <i>Journal of Applied Ecology</i> , 2007, 44, 1127-1137.	4.0	56
23	Effects of Fish on the Local Abundance of Crayfish in Stream Pools. <i>Oikos</i> , 1999, 87, 48.	2.7	54
24	Predation leads to assembly rules in fragmented fish communities. <i>Ecology Letters</i> , 2009, 12, 663-671.	6.4	54
25	Fish introductions reveal the temperature dependence of species interactions. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132641.	2.6	51
26	Effects of ownership status, weight asymmetry, and case fit on the outcome of case contests in two populations of <i>Agrypnia paigetana</i> (Trichoptera : Phryganeidae) larvae. <i>Behavioral Ecology and Sociobiology</i> , 1991, 29, 113-120.	1.4	46
27	Future Distribution of Arctic Char <i>Salvelinus alpinus</i> in Sweden under Climate Change: Effects of Temperature, Lake Size and Species Interactions. <i>Ambio</i> , 2012, 41, 303-312.	5.5	45
28	Application of a model of scale dependence to quantify scale domains in open predation experiments. <i>Oikos</i> , 2001, 92, 501-514.	2.7	43
29	A predator-prey game between bullheads and case-making caddis larvae. <i>Animal Behaviour</i> , 1995, 50, 785-792.	1.9	40
30	Small-scale spatial structure of Baltic Sea zoobenthos—inferring processes from patterns. <i>Journal of Experimental Marine Biology and Ecology</i> , 2002, 281, 123-136.	1.5	39
31	Contrasting effects of anthropogenic and natural acidity in streams: a meta-analysis. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 1143-1148.	2.6	38
32	Dispersal through stream networks: modelling climate-driven range expansions of fishes. <i>Diversity and Distributions</i> , 2011, 17, 641-651.	4.1	37
33	Effects of flow regulation on bryophytes in north Swedish rivers. <i>Biological Conservation</i> , 1997, 79, 79-86.	4.1	35
34	Dimensional approaches to designing better experimental ecosystems: a practitioners guide with examples. <i>Oecologia</i> , 2005, 145, 215-223.	2.0	35
35	Plugging Space into Predator–Prey Models: An Empirical Approach. <i>American Naturalist</i> , 2006, 167, 246-259.	2.1	35
36	Strong invaders are strong defenders – implications for the resistance of invaded communities. <i>Ecology Letters</i> , 2016, 19, 487-494.	6.4	35

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37	SCALE DEPENDENCE OF EMIGRATION RATES. <i>Ecology</i> , 2004, 85, 320-327.	3.2	34
38	Experimental scale and precipitation modify effects of nitrogen addition on a plant pathogen. <i>Journal of Ecology</i> , 2006, 94, 227-233.	4.0	34
39	Effects of light and microcrustacean prey on growth and investment in carnivory in <i>Utricularia vulgaris</i> . <i>Freshwater Biology</i> , 2003, 48, 786-794.	2.4	32
40	Estimating species colonization dates using <i>scp</i> DNA in lake sediment. <i>Methods in Ecology and Evolution</i> , 2018, 9, 535-543.	5.2	31
41	Climate mitigation forestry – temporal trade-offs. <i>Environmental Research Letters</i> , 2021, 16, 114037.	5.2	31
42	Estimating predation rates in experimental systems: scale-dependent effects of aggregative behaviour. <i>Oikos</i> , 2002, 97, 251-259.	2.7	30
43	Diet specialization in a fluctuating population of <i>Saduria entomon</i> : a consequence of resource or forager densities?. <i>Oikos</i> , 2011, 120, 848-854.	2.7	30
44	Spatial scale, heterogeneity and functional responses. <i>Journal of Animal Ecology</i> , 2004, 73, 487-493.	2.8	29
45	Scale-dependence of movement rates in stream invertebrates. <i>Oikos</i> , 2004, 105, 31-40.	2.7	27
46	Associations between water chemistry and fish community composition: a comparison between isolated and connected lakes in northern Sweden. <i>Freshwater Biology</i> , 2006, 51, 510-522.	2.4	27
47	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
48	Species abundance models and patterns in dragonfly communities: effects of fish predators. <i>Oikos</i> , 2006, 114, 27-36.	2.7	24
49	Presence of fish affects lake use and breeding success in ducks. <i>Hydrobiologia</i> , 2010, 641, 215-223.	2.0	24
50	Top-down and bottom-up effects on the spatiotemporal dynamics of cereal aphids: testing scaling theory for local density. <i>Oikos</i> , 2007, 116, 1995-2006.	2.7	23
51	Morphological and genetic divergence in Swedish postglacial stickleback (<i>Pungitius pungitius</i>) populations. <i>BMC Evolutionary Biology</i> , 2011, 11, 287.	3.2	23
52	Asymmetric competition between distant taxa: poeciliid fishes and water striders. <i>Oecologia</i> , 1992, 92, 498-502.	2.0	22
53	Effects of hydropower-induced flow perturbations on mayfly (Ephemeroptera) richness and abundance in north Swedish river rapids. <i>Hydrobiologia</i> , 1996, 341, 145-158.	2.0	22
54	Asymmetric resource competition in a filter-feeding stream insect (<i>Hydropsyche siltalai</i> ; Trichoptera). <i>Freshwater Biology</i> , 1991, 26, 425-432.	2.4	21

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55	Scale dependent effects of predatory fish on stream benthos. <i>Oikos</i> , 2005, 111, 19-30.	2.7	21
56	Biotic resistance in freshwater fish communities: species richness, saturation or species identity?. <i>Oikos</i> , 2015, 124, 1058-1064.	2.7	21
57	Geochemical identification of potential DNA-hotspots and DNA-infrared fingerprints in lake sediments. <i>Applied Geochemistry</i> , 2020, 122, 104728.	3.0	19
58	Weighted species richness outperforms species richness as predictor of biotic resistance. <i>Ecology</i> , 2016, 97, 262-271.	3.2	17
59	Interactions between Sculpins, Net-Spinning Caddis Larvae and Midge Larvae. <i>Oikos</i> , 1999, 85, 117.	2.7	16
60	The functional response of a predatory plant preying on swarming zooplankton. <i>Oikos</i> , 2001, 94, 175-181.	2.7	16
61	Assessing anthropogenic impact on boreal lakes with historical fish species distribution data and hydrogeochemical modeling. <i>Global Change Biology</i> , 2014, 20, 2752-2764.	9.5	16
62	Ecological speciation in European whitefish is driven by a large-gaped predator. <i>Evolution Letters</i> , 2020, 4, 243-256.	3.3	15
63	Pike predation affects breeding success and habitat selection of ducks. <i>Freshwater Biology</i> , 2011, 56, 579-589.	2.4	14
64	Using predictive models to estimate effects of flow regulation on net-spinning caddis larvae in North Swedish rivers. <i>Freshwater Biology</i> , 1997, 37, 687-697.	2.4	12
65	Innate responses of mallard ducklings towards aerial, aquatic and terrestrial predators. <i>Behaviour</i> , 2012, 149, 1299-1317.	0.8	12
66	The birth and death of lakes on young landscapes. <i>Geophysical Research Letters</i> , 2013, 40, 1340-1344.	4.0	11
67	Tracking mineral and geochemical characteristics of Holocene lake sediments: the case of Hotagen, west-central Sweden. <i>Journal of Soils and Sediments</i> , 2021, 21, 3150-3168.	3.0	9
68	Biotic and abiotic drivers of species loss rate in isolated lakes. <i>Journal of Animal Ecology</i> , 2019, 88, 881-891.	2.8	8
69	Population-level consequences of heterospecific density-dependent movements in predator-prey systems. <i>Journal of Theoretical Biology</i> , 2014, 342, 93-106.	1.7	7
70	Testing models of trophic dynamics: The problem of translating from model to nature. <i>Austral Ecology</i> , 2003, 28, 61-69.	1.5	6
71	Failed and successful intentional introductions of fish species into 821 Swedish lakes. <i>Ecology</i> , 2016, 97, 1364-1364.	3.2	6
72	EFFECTS OF FLOW REGULATION, HABITAT AREA AND ISOLATION ON THE MACROINVERTEBRATE FAUNA OF RAPIDS IN NORTH SWEDISH RIVERS. <i>River Research and Applications</i> , 1996, 12, 433-445.	0.8	6

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73	Integrating dispersal along freshwater ecosystems into species distribution models. Diversity and Distributions, 2020, 26, 1598-1611.	4.1	5
74	Predator-prey overlap in three dimensions: cod benefit from capelin coming near the seafloor. Ecography, 2021, 44, 802-815.	4.5	4
75	Space race functional responses. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142121.	2.6	3
76	Holocene extinctions of a top predator-Effects of time, habitat area and habitat subdivision. Journal of Animal Ecology, 2020, 89, 1202-1215.	2.8	3
77	Reply to Comment on "Climate mitigation forestry" temporal trade-offs. Environmental Research Letters, 2022, 17, 048002.	5.2	1
78	THE DYNAMICAL MODELS OF ACTIVATED SLUDGE SYSTEM: STOCHASTIC CELLULAR AUTOMATON AND DIFFERENTIAL EQUATIONS. International Journal of Biomathematics, 2012, 05, 1250048.	2.9	0