Alison M Derry

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/367911/publications.pdf

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43 papers	1,600 citations	361413 20 h-index	330143 37 g-index
47 all docs	47 docs citations	47 times ranked	2389 citing authors

#	Article	IF	Citations
1	Oxic water column methanogenesis as a major component of aquatic CH4 fluxes. Nature Communications, 2014, 5, 5350.	12.8	222
2	Metaâ€analysis supports further refinement of eDNA for monitoring aquatic speciesâ€specific abundance in nature. Environmental DNA, 2019, 1, 5-13.	5.8	165
3	Global patterns and drivers of ecosystem functioning in rivers and riparian zones. Science Advances, 2019, 5, eaav0486.	10.3	133
4	Ecology in the age of <scp>DNA</scp> barcoding: the resource, the promise and the challenges ahead. Molecular Ecology Resources, 2014, 14, 221-232.	4.8	99
5	Causes of maladaptation. Evolutionary Applications, 2019, 12, 1229-1242.	3.1	85
6	Environmental RNA: A Revolution in Ecological Resolution?. Trends in Ecology and Evolution, 2021, 36, 601-609.	8.7	84
7	Evolution of rotifers in saline and subsaline lakes: A molecular phylogenetic approach. Limnology and Oceanography, 2003, 48, 675-685.	3.1	81
8	The relationship between eDNA particle concentration and organism abundance in nature is strengthened by allometric scaling. Molecular Ecology, 2021, 30, 3068-3082.	3.9	68
9	Understanding Maladaptation by Uniting Ecological and Evolutionary Perspectives. American Naturalist, 2019, 194, 495-515.	2.1	60
10	The evolutionary ecology of fattyâ€acid variation: Implications for consumer adaptation and diversification. Ecology Letters, 2021, 24, 1709-1731.	6.4	53
11	Current water quality guidelines across North America and Europe do not protect lakes from salinization. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	49
12	Title is missing!. Biodiversity and Conservation, 1999, 8, 205-221.	2.6	46
13	Title is missing!. World Journal of Microbiology and Biotechnology, 1998, 14, 571-578.	3.6	42
14	Conservation through the lens of (mal)adaptation: Concepts and metaâ€analysis. Evolutionary Applications, 2019, 12, 1287-1304.	3.1	41
15	Integrating physiology and environmental dynamics to operationalize environmental DNA (eDNA) as a means to monitor freshwater macroâ€organism abundance. Molecular Ecology, 2021, 30, 6531-6550.	3.9	38
16	The recovery of acidâ€damaged zooplankton communities in Canadian Lakes: the relative importance of abiotic, biotic and spatial variables. Freshwater Biology, 2012, 57, 741-758.	2.4	28
17	ADAPTIVE REVERSALS IN ACID TOLERANCE IN COPEPODS FROM LAKES RECOVERING FROM HISTORICAL STRESS. , 2007, 17, 1116-1126.		26
18	Ecological linkages between community and genetic diversity in zooplankton among boreal shield lakes. Ecology, 2009, 90, 2275-2286.	3.2	26

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19	Effects of humic stress on the zooplankton from clear and <scp>DOC</scp>â€rich lakes. Freshwater Biology, 2015, 60, 1263-1278.	2.4	24
20	Taxonomic implications for diaptomid copepods based on contrasting patterns of mitochondrial DNA sequence divergences in four morphospecies. Hydrobiologia, 2008, 614, 197-207.	2.0	22
21	Evolutionary shifts in copepod acid tolerance in an acid-recovering lake indicated by resurrected resting eggs. Evolutionary Ecology, 2010, 24, 133-145.	1.2	22
22	Lake salinization drives consistent losses of zooplankton abundance and diversity across coordinated mesocosm experiments. Limnology and Oceanography Letters, 2023, 8, 19-29.	3.9	21
23	Major contribution of both zooplankton and protists to the top-down regulation of freshwater aerobic anoxygenic phototrophic bacteria. Aquatic Microbial Ecology, 2015, 76, 71-83.	1.8	17
24	Effects of freshwater salinization on a saltâ€naÃ¯ve planktonic eukaryote community. Limnology and Oceanography Letters, 2023, 8, 38-47.	3.9	16
25	Zooplankton community response to experimental acidification in boreal shield lakes with different ecological histories. Canadian Journal of Fisheries and Aquatic Sciences, 2007, 64, 887-898.	1.4	15
26	Allometric scaling of eDNA production in streamâ€dwelling brook trout (Salvelinus fontinalis) inferred from population size structure. Environmental DNA, 2021, 3, 553-560.	5.8	15
27	Global Patterns and Controls of Nutrient Immobilization on Decomposing Cellulose in Riverine Ecosystems. Global Biogeochemical Cycles, 2022, 36, .	4.9	12
28	Cladoceran diversity dynamics in lakes from a northern mining region: responses to multiple stressors characterized by alpha and beta diversity. Canadian Journal of Fisheries and Aquatic Sciences, 2017, 74, 1654-1667.	1.4	11
29	Different refuge types dampen exotic invasion and enhance diversity at the whole ecosystem scale in a heterogeneous river system. Biological Invasions, 2021, 23, 443-460.	2.4	11
30	Climate alters intraspecific variation in copepod effect traits through pond food webs. Ecology, 2015, 97, 1239-50.	3.2	8
31	Freshwater zooplankton metapopulations and metacommunities respond differently to environmental and spatial variation. Ecology, 2021, 102, e03224.	3.2	8
32	Rotenone for exotic trout eradication: nontarget impacts on aquatic communities in a mountain lake. Lake and Reservoir Management, 2021, 37, 323-338.	1.3	8
33	Two decades since first invasion: Revisiting round goby impacts on nearshore aquatic communities in the Upper St. Lawrence River. Journal of Great Lakes Research, 2022, 48, 581-592.	1.9	7
34	Possible influences of plasticity and genetic/maternal effects on species coexistence: native <scp>G</scp>ammarus fasciatus facing exotic amphipods. Functional Ecology, 2013, 27, 1212-1223.	3.6	6
35	Neutral and adaptive drivers of genomic change in introduced brook trout (Salvelinus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	1.9	6
36	Phenotypeâ€“environment mismatch in metapopulationsâ€”Implications for the maintenance of maladaptation at the regional scale. Evolutionary Applications, 2019, 12, 1475-1486.	3.1	5

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37	Phenotypic stability in scalar calcium of freshwater fish across a wide range of aqueous calcium availability in nature. Ecology and Evolution, 2021, 11, 6053-6065.	1.9	5
38	Variation in calanoid copepod resting egg abundance among lakes with different acidification histories. Hydrobiologia, 2008, 614, 275-284.	2.0	4
39	The impact of regional landscape context on local maladaptive trait divergence: a field test using freshwater copepod acid tolerance. Evolutionary Ecology, 2016, 30, 841-859.	1.2	3
40	The coevolution of adult body mass and excretion rate between genetically size-divergent brook trout populations. Canadian Journal of Fisheries and Aquatic Sciences, 2019, 76, 438-446.	1.4	2
41	Response of Prokaryotic Communities to Freshwater Salinization. Applied Microbiology, 2022, 2, 330-346.	1.6	2
42	A fish-mediated trophic cascade on freshwater calanoid copepod abundance is concealed by food web fatty acid availability, functional traits and population sex ratio. Journal of Plankton Research, 2018, 40, 197-208.	1.8	1
43	A continuum of genetic mixing for conservation management along the (mal)adaptation spectrum: A comment on Hoffmann et al.. Evolutionary Applications, 2021, 14, 1213-1215.	3.1	0