

Nelson G Hairston Jr

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2689629/nelson-g-hairston-jr-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

96
papers

10,554
citations

41
h-index

102
g-index

110
ext. papers

11,655
ext. citations

7.1
avg, IF

6.04
L-index

#	Paper	IF	Citations
96	What Causes Harmful Algal Blooms? A Case Study of Causal Attributions and Conflict in a Lakeshore Community.. <i>Environmental Management</i> , 2022 , 69, 588	3.1	0
95	Reversed evolution of grazer resistance to cyanobacteria. <i>Nature Communications</i> , 2021 , 12, 1945	17.4	3
94	A unified framework for herbivore-to-producer biomass ratio reveals the relative influence of four ecological factors. <i>Communications Biology</i> , 2021 , 4, 49	6.7	1
93	Eco-Evolutionary Dynamics in Freshwater Systems 2021 ,		1
92	Egg Banks, Bet-Hedging and Resurrection Ecology 2021 ,		
91	Consumer movement dynamics as hidden drivers of stream habitat structure: suckers as ecosystem engineers on the night shift. <i>Oikos</i> , 2020 , 129, 194-208	4	5
90	Rapid evolution with generation overlap: the double-edged effect of dormancy. <i>Theoretical Ecology</i> , 2019 , 12, 179-195	1.6	8
89	Consumer-resource dynamics is an eco-evolutionary process in a natural plankton community. <i>Nature Ecology and Evolution</i> , 2019 , 3, 1351-1358	12.3	22
88	Aquatic and terrestrial resources are not nutritionally reciprocal for consumers. <i>Functional Ecology</i> , 2019 , 33, 2042-2052	5.6	24
87	Fasting or fear: disentangling the roles of predation risk and food deprivation in the nitrogen metabolism of consumers. <i>Ecology</i> , 2018 , 99, 681-689	4.6	8
86	A shady phytoplankton paradox: when phytoplankton increases under low light. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018 , 285,	4.4	9
85	What genomic data can reveal about eco-evolutionary dynamics. <i>Nature Ecology and Evolution</i> , 2018 , 2, 9-15	12.3	43
84	Highly unsaturated fatty acids in nature: what we know and what we need to learn. <i>Oikos</i> , 2016 , 125, 749-760	4	124
83	Dissolved phosphorus concentrations in Cayuga Lake system and differences from two analytical protocols. <i>Lake and Reservoir Management</i> , 2016 , 32, 392-401	1.3	2
82	Can Population Genetics Adapt to Rapid Evolution?. <i>Trends in Genetics</i> , 2016 , 32, 408-418	8.5	108
81	Daphnia grazing, the clear water phase, and implications of minerogenic particles in Onondaga Lake. <i>Inland Waters</i> , 2015 , 5, 317-330	2.4	5
80	Cryptic eco-evolutionary dynamics. <i>Annals of the New York Academy of Sciences</i> , 2015 , 1360, 120-44	6.5	50

79	The Edmondson Egg Ratio Method: An Elegant Approach to Obtaining Birth and Death Rates for Field Populations. <i>Bulletin of the Ecological Society of America</i> , 2015 , 96, 215-217	0.7	1
78	A newly discovered role of evolution in previously published consumer-resource dynamics. <i>Ecology Letters</i> , 2014 , 17, 915-23	10	67
77	Is Mobility a Fixed Trait? Summer Movement Patterns of Catostomids using PIT Telemetry. <i>Transactions of the American Fisheries Society</i> , 2014 , 143, 1098-1111	1.7	10
76	Experimental blooms of the cyanobacterium <i>Gloeotrichia echinulata</i> increase phytoplankton biomass, richness and diversity in an oligotrophic lake. <i>Journal of Plankton Research</i> , 2014 , 36, 364-377	2.2	21
75	Trophic state mediates the effects of a large colonial cyanobacterium on phytoplankton dynamics. <i>Fundamental and Applied Limnology</i> , 2014 , 184, 247-260	1.9	5
74	Eco-Evolutionary Dynamics in a Three-Species Food Web with Intraguild Predation. <i>Advances in Ecological Research</i> , 2014 , 50, 41-73	4.6	20
73	The influence of resource limitation on the allelopathic effect of <i>Chlamydomonas reinhardtii</i> on other unicellular freshwater planktonic organisms. <i>Journal of Plankton Research</i> , 2013 , 35, 1339-1344	2.2	16
72	How mobile are fish populations? Diel movement, population turnover, and site fidelity in suckers. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2013 , 70, 666-677	2.4	20
71	Metagenomic identification, seasonal dynamics, and potential transmission mechanisms of a <i>Daphnia</i> -associated single-stranded DNA virus in two temperate lakes. <i>Limnology and Oceanography</i> , 2013 , 58, 1605-1620	4.8	28
70	Indirect bottom-up control of consumer-resource dynamics: Resource-driven algal quality alters grazer numerical response. <i>Limnology and Oceanography</i> , 2013 , 58, 827-838	4.8	11
69	The functional genomics of an eco-evolutionary feedback loop: linking gene expression, trait evolution, and community dynamics. <i>Ecology Letters</i> , 2012 , 15, 492-501	10	120
68	Mixotrophy and the toxicity of <i>Ochromonas</i> in pelagic food webs. <i>Freshwater Biology</i> , 2012 , 57, 2262-2271	3.1	17
67	A.C. REDFIELD LIFETIME ACHIEVEMENT AWARD TO Z. MACIEJ GLIWICZ AND WINFRIED LAMPERT. <i>Limnology and Oceanography Bulletin</i> , 2012 , 21, 62-63	0.9	
66	Modes and mechanisms of a <i>Daphnia</i> invasion. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012 , 279, 2936-44	4.4	24
65	Linking genes to communities and ecosystems: <i>Daphnia</i> as an ecogenomic model. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012 , 279, 1873-82	4.4	197
64	Does rapid evolution matter? Measuring the rate of contemporary evolution and its impacts on ecological dynamics. <i>Ecology Letters</i> , 2011 , 14, 603-14	10	184
63	Predator-dependent diel migration by <i>Halocaridina rubra</i> shrimp (Malacostraca: Atyidae) in Hawaiian anchialine pools. <i>Aquatic Ecology</i> , 2011 , 45, 35-41	1.9	20
62	Reduction of adaptive genetic diversity radically alters eco-evolutionary community dynamics. <i>Ecology Letters</i> , 2010 , 13, 989-97	10	162

61	THE LEGACY OF JAMES G. NEEDHAM: A CENTURY OF LIMNOLOGY AT CORNELL UNIVERSITY AND THE FIRST COURSE ON LIMNOLOGY IN THE AMERICAS. <i>Limnology and Oceanography Bulletin</i> , 2009 , 18, 30-32	0.9	
60	Behavioral Responses of the Endemic Shrimp <i>Halocaridina rubra</i> (Malacostraca: Atyidae) to an Introduced Fish, <i>Gambusia affinis</i> (Actinopterygii: Poeciliidae) and Implications for the Trophic Structure of Hawaiian Anchialine Ponds. <i>Pacific Science</i> , 2009 , 63, 27-37	0.9	24
59	Rapid contemporary evolution and clonal food web dynamics. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009 , 364, 1579-91	5.8	83
58	Daphnia Paleogenetics and Environmental Change: Deconstructing the Evolution of Plasticity. <i>International Review of Hydrobiology</i> , 2008 , 93, 578-592	2.3	18
57	Eco-evolutionary conservation biology: contemporary evolution and the dynamics of persistence. <i>Functional Ecology</i> , 2007 , 21, 444-454	5.6	276
56	Cryptic population dynamics: rapid evolution masks trophic interactions. <i>PLoS Biology</i> , 2007 , 5, e235	9.7	169
55	Prey evolution on the time scale of predator-prey dynamics revealed by allele-specific quantitative PCR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 10690-5	11.5	84
54	Ecology: mechanisms for consumer diversity. <i>Nature</i> , 2006 , 439, E1-2; discussion E2	50.4	1
53	Ecological and Evolutionary Dynamics of Experimental Plankton Communities. <i>Advances in Ecological Research</i> , 2005 , 37, 221-243	4.6	23
52	Rapid evolution and the convergence of ecological and evolutionary time. <i>Ecology Letters</i> , 2005 , 8, 1114-1127	11.27	651
51	SPECIES-SPECIFIC DAPHNIA PHENOTYPES: A HISTORY OF INDUSTRIAL POLLUTION AND PELAGIC ECOSYSTEM RESPONSE. <i>Ecology</i> , 2005 , 86, 1669-1678	4.6	21
50	Evolutionary trade-off between defence against grazing and competitive ability in a simple unicellular alga, <i>Chlorella vulgaris</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004 , 271, 1947-53	7.43	141
49	Planktonic biodiversity: Scaling up and down. <i>Limnology and Oceanography</i> , 2004 , 49, 1225-1228	4.8	
48	Rapid evolution drives ecological dynamics in a predator-prey system. <i>Nature</i> , 2003 , 424, 303-6	50.4	748
47	Evolution as a critical component of plankton dynamics. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003 , 270, 1015-22	4.4	107
46	Predator-prey cycles in an aquatic microcosm: testing hypotheses of mechanism. <i>Journal of Animal Ecology</i> , 2002 , 71, 802-815	4.7	71
45	Temporal dispersal: ecological and evolutionary aspects of zooplankton egg banks and the role of sediment mixing. <i>Integrative and Comparative Biology</i> , 2002 , 42, 481-91	2.8	79
44	MEETING ECOLOGICAL AND SOCIETAL NEEDS FOR FRESHWATER 2002 , 12, 1247-1260		360

43	MEETING ECOLOGICAL AND SOCIETAL NEEDS FOR FRESHWATER 2002 , 12, 1247		1
42	MEETING ECOLOGICAL AND SOCIETAL NEEDS FOR FRESHWATER 2002 , 12, 1247		7
41	Experimental evidence for changes in submersed macrophyte species composition caused by the herbivore <i>Acentria ephemerella</i> (Lepidoptera). <i>Oecologia</i> , 2001 , 127, 105-114	2.9	80
40	Paleogenetic evidence for a past invasion of Onondaga Lake, New York, by exotic <i>Daphnia curvirostris</i> using mtDNA from dormant eggs. <i>Limnology and Oceanography</i> , 2000 , 45, 1409-1414	4.8	35
39	The effect of diapause emergence on the seasonal dynamics of a zooplankton assemblage. <i>Freshwater Biology</i> , 2000 , 45, 133-145	3.1	97
38	Ecosystem size determines food-chain length in lakes. <i>Nature</i> , 2000 , 405, 1047-9	50.4	499
37	Crossing the hopf bifurcation in a live predator-prey system. <i>Science</i> , 2000 , 290, 1358-60	33.3	289
36	Rapid evolution revealed by dormant eggs. <i>Nature</i> , 1999 , 401, 446-446	50.4	290
35	THE ROLES OF FLUCTUATING SELECTION AND LONG-TERM DIAPAUSE IN MICROEVOLUTION OF DIAPAUSE TIMING IN A FRESHWATER COPEPOD. <i>Evolution; International Journal of Organic Evolution</i> , 1999 , 53, 111-122	3.8	31
34	Population biology of a failed invasion: Paleolimnology of <i>Daphnia exilis</i> in upstate New York. <i>Limnology and Oceanography</i> , 1999 , 44, 477-486	4.8	52
33	Copepod reproductive strategies: life-history theory, phylogenetic pattern and invasion of inland waters. <i>Journal of Marine Systems</i> , 1998 , 15, 23-34	2.7	42
32	Food limitation in a wild cyclopoid copepod population: direct and indirect life history responses. <i>Oecologia</i> , 1998 , 115, 320-330	2.9	22
31	Decline of the invasive submersed macrophyte <i>Myriophyllum spicatum</i> (Haloragaceae) associated with herbivory by larvae of <i>Acentria ephemerella</i> (Lepidoptera). <i>Aquatic Ecology</i> , 1997 , 31, 273-282	1.9	17
30	Phenotypic Variation in a Zooplankton Egg Bank. <i>Ecology</i> , 1996 , 77, 2382-2392	4.6	43
29	Distribution of crustacean diapause: micro- and macroevolutionary pattern and process. <i>Hydrobiologia</i> , 1996 , 320, 27-44	2.4	69
28	Particle transport by benthic invertebrates: its role in egg bank dynamics. <i>Hydrobiologia</i> , 1996 , 332, 63-70.4	70.4	24
27	Zooplankton egg banks as biotic reservoirs in changing environments. <i>Limnology and Oceanography</i> , 1996 , 41, 1087-1092	4.8	269
26	Age and Survivorship of Diapausing Eggs in a Sediment Egg Bank. <i>Ecology</i> , 1995 , 76, 1706-1711	4.6	255

25	Role of Overlapping Generations in Maintaining Genetic Variation in a Fluctuating Environment. <i>American Naturalist</i> , 1994 , 143, 403-417	3.7	311
24	Size-related Change in the Visual Resolution of Sunfish (<i>Lepomis</i> spp.). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1994 , 51, 2017-2026	2.4	27
23	Diapause dynamics of two diaptomid copepod species in a large lake. <i>Hydrobiologia</i> , 1994 , 292-293, 209-218	2.1	33
22	Cause-Effect Relationships in Energy Flow, Trophic Structure, and Interspecific Interactions. <i>American Naturalist</i> , 1993 , 142, 379-411	3.7	408
21	Growth-Related Constraints on Diet Selection by Sunfish. <i>Ecology</i> , 1992 , 73, 429-437	4.6	35
20	Environmental variability and the persistence of multiple emergence strategies. <i>Bulletin of Mathematical Biology</i> , 1992 , 54, 313-334	2.1	16
19	A Field Test for the Cues of Disapause in a Freshwater Copepod. <i>Ecology</i> , 1990 , 71, 2218-2223	4.6	37
18	A method for distinguishing subitaneous and diapausing eggs in preserved samples of the Calanoid copepod genus <i>Diaptomus</i> . <i>Limnology and Oceanography</i> , 1990 , 35, 763-767	4.8	14
17	FLUCTUATING SELECTION AND RESPONSE IN A POPULATION OF FRESHWATER COPEPODS. <i>Evolution; International Journal of Organic Evolution</i> , 1990 , 44, 1796-1805	3.8	129
16	Problems with perception of zooplankton research by colleagues outside aquatic sciences. <i>Limnology and Oceanography</i> , 1990 , 35, 1214-1216	4.8	3
15	Rate of evolution slowed by a dormant propagule pool. <i>Nature</i> , 1988 , 336, 239-242	50.4	197
14	Interannual variation in seasonal predation: Its origin and ecological importance ¹ . <i>Limnology and Oceanography</i> , 1988 , 33, 1245-1253	4.8	18
13	Perspective on prospective methods for obtaining life table data ¹ . <i>Limnology and Oceanography</i> , 1987 , 32, 517-520	4.8	6
12	PARTIAL PHOTOPERIODIC CONTROL OF DIAPAUSE IN THREE POPULATIONS OF THE FRESHWATER COPEPODDIAPTOMUS SANGUINEUS. <i>Biological Bulletin</i> , 1986 , 171, 135-142	1.5	27
11	An analysis of the feeding behavior of <i>Daphnia pulex</i> ¹ . <i>Limnology and Oceanography</i> , 1985 , 30, 862-870	4.8	17
10	Obtaining life table data from cohort analyses: A critique of current methods ¹ . <i>Limnology and Oceanography</i> , 1985 , 30, 886-893	4.8	28
9	Fish Size, Visula Resolution, and Prey Selectivity. <i>Ecology</i> , 1985 , 66, 1729-1735	4.6	73
8	Population differences in the timing of diapause: adaptation in a spatially heterogeneous environment. <i>Oecologia</i> , 1984 , 61, 42-48	2.9	99

7	The Timing of Copepod Diapause as an Evolutionarily Stable Strategy. <i>American Naturalist</i> , 1984 , 123, 733-751	3.7	150
6	The causes and consequences of sex-specific mortality in a freshwater copepod ¹ . <i>Limnology and Oceanography</i> , 1983 , 28, 935-947	4.8	66
5	On the diel variation of copepod pigmentation. <i>Limnology and Oceanography</i> , 1980 , 25, 742-747	4.8	8
4	Fitness, Survival, and Reproduction. <i>Systematic Zoology</i> , 1979 , 28, 392		3
3	The adaptive significance of color polymorphism in two species of Diaptomus (Copepoda) ¹ . <i>Limnology and Oceanography</i> , 1979 , 24, 15-37	4.8	95
2	The relationship between pigmentation and reproduction in two species of Diaptomus (Copepoda) ¹ . <i>Limnology and Oceanography</i> , 1979 , 24, 38-44	4.8	32
1	Community Structure, Population Control, and Competition. <i>American Naturalist</i> , 1960 , 94, 421-425	3.7	2408