

Hans G Dam

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/536665/publications.pdf>

Version: 2024-02-01

92
papers

6,035
citations

76294

40
h-index

74108

75
g-index

99
all docs

99
docs citations

99
times ranked

4536
citing authors

#	ARTICLE	IF	CITATIONS
1	Loss of transcriptional plasticity but sustained adaptive capacity after adaptation to global change conditions in a marine copepod. <i>Nature Communications</i> , 2022, 13, 1147.	5.8	27
2	Cell-growth gene expression reveals a direct fitness cost of grazer-induced toxin production in red tide dinoflagellate prey. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20202480.	1.2	8
3	Negative relationship between thermal tolerance and plasticity in tolerance emerges during experimental evolution in a widespread marine invertebrate. <i>Evolutionary Applications</i> , 2021, 14, 2114-2123.	1.5	21
4	Global patterns in copepod thermal tolerance. <i>Journal of Plankton Research</i> , 2021, 43, 598-609.	0.8	23
5	Adaptation to simultaneous warming and acidification carries a thermal tolerance cost in a marine copepod. <i>Biology Letters</i> , 2021, 17, 20210071.	1.0	5
6	Rapid, but limited, zooplankton adaptation to simultaneous warming and acidification. <i>Nature Climate Change</i> , 2021, 11, 780-786.	8.1	30
7	Mercury and methylmercury uptake and trophic transfer from marine diatoms to copepods and field collected zooplankton. <i>Marine Environmental Research</i> , 2021, 170, 105446.	1.1	12
8	Fluctuating selection and global change: a synthesis and review on disentangling the roles of climate amplitude, predictability and novelty. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210727.	1.2	22
9	Antagonistic interplay between pH and food resources affects copepod traits and performance in a year-round upwelling system. <i>Scientific Reports</i> , 2020, 10, 62.	1.6	7
10	William (Bill) Peterson's contributions to ocean science, management, and policy. <i>Progress in Oceanography</i> , 2020, 182, 102241.	1.5	0
11	Genetic differentiation underlies seasonal variation in thermal tolerance, body size, and plasticity in a short-lived copepod. <i>Ecology and Evolution</i> , 2020, 10, 12200-12210.	0.8	23
12	Effect of diet on the coupling of ingestion and egg production in the ubiquitous copepod, <i>Acartia tonsa</i> . <i>Progress in Oceanography</i> , 2020, 186, 102346.	1.5	9
13	Formalin-preserved zooplankton are not reliable for historical reconstructions of methylmercury bioaccumulation. <i>Science of the Total Environment</i> , 2020, 738, 139803.	3.9	3
14	Complex interactions between local adaptation, phenotypic plasticity and sex affect vulnerability to warming in a widespread marine copepod. <i>Royal Society Open Science</i> , 2019, 6, 182115.	1.1	17
15	Integrating patterns of thermal tolerance and phenotypic plasticity with population genetics to improve understanding of vulnerability to warming in a widespread copepod. <i>Global Change Biology</i> , 2019, 25, 4147-4164.	4.2	49
16	Relative importance of nitrogen sources, algal alarm cues and grazer exposure to toxin production of the marine dinoflagellate <i>Alexandrium catenella</i> . <i>Harmful Algae</i> , 2019, 84, 181-187.	2.2	20
17	Citizen science observations reveal rapid, multi-decadal ecosystem changes in eastern Long Island Sound. <i>Marine Environmental Research</i> , 2019, 146, 80-88.	1.1	15
18	Size as the master trait in modeled copepod fecal pellet carbon flux. <i>Limnology and Oceanography</i> , 2015, 60, 2090-2107.	1.6	56

#	ARTICLE	IF	CITATIONS
19	A multi-phylum study of grazer-induced paralytic shellfish toxin production in the dinoflagellate <i>Alexandrium fundyense</i> : A new perspective on control of algal toxicity. <i>Harmful Algae</i> , 2015, 44, 20-31.	2.2	23
20	Influence of predator-prey evolutionary history, chemical alarm-cues, and feeding selection on induction of toxin production in a marine dinoflagellate. <i>Limnology and Oceanography</i> , 2015, 60, 318-328.	1.6	24
21	First evidence of biased sex ratio at birth in a calanoid copepod. <i>Limnology and Oceanography</i> , 2015, 60, 722-731.	1.6	5
22	A novel mutation from gene splicing of a voltage-gated sodium channel in a marine copepod and its potential effect on channel function. <i>Journal of Experimental Marine Biology and Ecology</i> , 2015, 469, 131-142.	0.7	9
23	Resource and mate availability, and previous social experience modulate mate choice in the copepods <i>Acartia tonsa</i> and <i>Acartia hudsonica</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2015, 471, 180-189.	0.7	0
24	Impact of Climate Change on Estuarine Zooplankton: Surface Water Warming in Long Island Sound Is Associated with Changes in Copepod Size and Community Structure. <i>Estuaries and Coasts</i> , 2015, 38, 13-23.	1.0	68
25	Female mating status affects mating and male mate-choice in the copepod genus <i>Acartia</i> . <i>Journal of Plankton Research</i> , 2015, 37, 183-196.	0.8	9
26	Determining the Advantages, Costs, and Trade-Offs of a Novel Sodium Channel Mutation in the Copepod <i>Acartia hudsonica</i> to Paralytic Shellfish Toxins (PST). <i>PLoS ONE</i> , 2015, 10, e0130097.	1.1	8
27	No evidence for induction or selection of mutant sodium channel expression in the copepod <i>Acartia hudsonica</i> challenged with the toxic dinoflagellate <i>Alexandrium fundyense</i> . <i>Ecology and Evolution</i> , 2014, 4, 3470-3481.	0.8	10
28	Deleterious effects of the ciliate epibiont <i>Zoothamnium</i> sp. on fitness of the copepod <i>Acartia tonsa</i> . <i>Journal of Plankton Research</i> , 2014, 36, 788-799.	0.8	16
29	Sodium channel expression in the copepod <i>Acartia hudsonica</i> as a function of exposure to paralytic shellfish toxin (PST). <i>Harmful Algae</i> , 2014, 39, 75-80.	2.2	4
30	An improved method for achieving high-quality RNA for copepod transcriptomic studies. <i>Journal of Experimental Marine Biology and Ecology</i> , 2013, 446, 57-66.	0.7	26
31	Sex-specific tolerance to starvation in the copepod <i>Acartia tonsa</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2013, 446, 17-21.	0.7	35
32	Evolutionary Adaptation of Marine Zooplankton to Global Change. <i>Annual Review of Marine Science</i> , 2013, 5, 349-370.	5.1	157
33	Reactive oxygen species are linked to the toxicity of the dinoflagellate <i>Alexandrium</i> spp. to protists. <i>Aquatic Microbial Ecology</i> , 2012, 66, 199-209.	0.9	35
34	Comparative dynamics of paralytic shellfish toxins (PST) in a tolerant and susceptible population of the copepod <i>Acartia hudsonica</i> . <i>Harmful Algae</i> , 2011, 10, 245-253.	2.2	24
35	Differential responses of populations of the copepod <i>Acartia hudsonica</i> to toxic and nutritionally insufficient food algae. <i>Harmful Algae</i> , 2011, 10, 723-731.	2.2	17
36	A novel approach to identifying PST tolerant copepods: An individual ingestion assay. <i>Harmful Algae</i> , 2011, 10, 804-810.	2.2	6

#	ARTICLE	IF	CITATIONS
37	Effects of omnivory and predator-prey elemental stoichiometry on planktonic trophic interactions. <i>Limnology and Oceanography</i> , 2010, 55, 2107-2116.	1.6	42
38	Intermittent ventilation in the hypoxic zone of western Long Island Sound during the summer of 2004. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	38
39	Sex-related differential mortality of a marine copepod exposed to a toxic dinoflagellate. <i>Limnology and Oceanography</i> , 2008, 53, 2627-2635.	1.6	30
40	Newly discovered reproductive phenotypes of a marine copepod reveal the costs and advantages of resistance to a toxic dinoflagellate. <i>Limnology and Oceanography</i> , 2007, 52, 2099-2108.	1.6	30
41	Comparison of the functional and numerical responses of resistant versus non-resistant populations of the copepod <i>Acartia hudsonica</i> fed the toxic dinoflagellate <i>Alexandrium tamarense</i> . <i>Harmful Algae</i> , 2007, 6, 875-882.	2.2	51
42	RAPID: Research on Automated Plankton Identification. <i>Oceanography</i> , 2007, 20, 172-187.	0.5	409
43	Massive egg production by a salp symbiont, the poecilostomatoid copepod <i>Sapphirina angusta</i> Dana, 1849. <i>Journal of Experimental Marine Biology and Ecology</i> , 2007, 348, 145-153.	0.7	13
44	Microzooplankton grazing of phytoplankton in a tropical upwelling region. <i>Hydrobiologia</i> , 2007, 575, 69-81.	1.0	35
45	Testing for resistance of pelagic marine copepods to a toxic dinoflagellate. <i>Evolutionary Ecology</i> , 2005, 18, 355-377.	0.5	76
46	<i>Prorocentrum minimum</i> (clone Exuv) is nutritionally insufficient, but not toxic to the copepod <i>Acartia tonsa</i> . <i>Harmful Algae</i> , 2005, 4, 575-584.	2.2	41
47	Production, concentration, and isolation of transparent exopolymeric particles using paramagnetic functionalized microspheres. <i>Limnology and Oceanography: Methods</i> , 2004, 2, 13-24.	1.0	12
48	Omnivory in the calanoid copepod <i>Temora longicornis</i> : feeding, egg production and egg hatching rates. <i>Journal of Experimental Marine Biology and Ecology</i> , 2003, 292, 119-137.	0.7	71
49	Fate of organic carbon released from decomposing copepod fecal pellets in relation to bacterial production and ectoenzymatic activity. <i>Aquatic Microbial Ecology</i> , 2003, 33, 279-288.	0.9	57
50	Effects of the toxic dinoflagellate <i>Alexandrium fundyense</i> on the copepod <i>Acartia hudsonica</i> : a test of the mechanisms that reduce ingestion rates. <i>Marine Ecology - Progress Series</i> , 2003, 248, 55-65.	0.9	84
51	Influence of two different green algal diets on specific dynamic action and incorporation of carbon into biochemical fractions in the copepod <i>Acartia tonsa</i> . <i>Journal of Plankton Research</i> , 2002, 24, 293-300.	0.8	52
52	Testing for toxic effects of prey on zooplankton using sole versus mixed diets. <i>Limnology and Oceanography</i> , 2002, 47, 1430-1437.	1.6	68
53	Latitudinal differentiation in the effects of the toxic dinoflagellate <i>Alexandrium</i> spp. on the feeding and reproduction of populations of the copepod <i>Acartia hudsonica</i> . <i>Harmful Algae</i> , 2002, 1, 113-125.	2.2	101
54	Latitudinal comparisons of equatorial Pacific zooplankton. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002, 49, 2695-2711.	0.6	35

#	ARTICLE	IF	CITATIONS
55	Copepod hatching success in marine ecosystems with high diatom concentrations. <i>Nature</i> , 2002, 419, 387-389.	13.7	233
56	Coupling of ingestion and defecation as a function of diet in the calanoid copepod <i>Acartia tonsa</i> . <i>Marine Ecology - Progress Series</i> , 2002, 229, 151-164.	0.9	145
57	Bubbles: An estimate of their role in the global oceanic flux of carbon. <i>Journal of Geophysical Research</i> , 2001, 106, 9377-9383.	3.3	35
58	DMSP-consuming bacteria associated with the calanoid copepod <i>Acartia tonsa</i> (Dana). <i>Journal of Experimental Marine Biology and Ecology</i> , 2001, 256, 185-198.	0.7	30
59	Affordable Egg Mortality: Constraining Copepod Egg Mortality with Life History Traits. <i>Journal of Plankton Research</i> , 2001, 23, 633-640.	0.8	14
60	Phytoplankton inhibition of copepod egg hatching: test of an exudate hypothesis. <i>Marine Ecology - Progress Series</i> , 2001, 209, 197-202.	0.9	37
61	Seasonal distribution of DMSP among seston, dissolved matter and zooplankton along a transect in the Long Island Sound estuary. <i>Marine Ecology - Progress Series</i> , 2000, 206, 1-11.	0.9	21
62	Limitation of zooplankton Production: Beyond Stoichiometry. <i>Oikos</i> , 1999, 84, 537.	1.2	51
63	Dimethylsulfoniopropionate (DMSP) in marine copepods and its relation with diets and salinity. <i>Marine Ecology - Progress Series</i> , 1999, 179, 71-79.	0.9	55
64	The relative importance of egg production rate, hatching success, hatching duration and egg sinking in population recruitment of two species of marine copepods. <i>Journal of Plankton Research</i> , 1998, 20, 1971-1987.	0.8	47
65	Role of diatoms in copepod production: good, harmless or toxic?. <i>Marine Ecology - Progress Series</i> , 1998, 172, 305-308.	0.9	91
66	Effects of diet on dimensions, density and sinking rates of fecal pellets of the copepod <i>Acartia tonsa</i> . <i>Marine Ecology - Progress Series</i> , 1998, 175, 87-96.	0.9	89
67	Iron and grazing constraints on primary production in the central equatorial Pacific: An EqPac synthesis. <i>Limnology and Oceanography</i> , 1997, 42, 405-418.	1.6	368
68	Particle size spectra between 1 μ m and 1 cm at Monterey Bay determined using multiple instruments. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1997, 44, 1739-1767.	0.6	149
69	Downward export of carbon by diel migrant mesozooplankton in the central equatorial Pacific. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1997, 44, 2191-2202.	0.6	117
70	New measurements of phytoplankton aggregation in a flocculator using videography and image analysis. <i>Marine Ecology - Progress Series</i> , 1997, 155, 77-88.	0.9	25
71	Pigment ingestion and egg production rates of the calanoid copepod <i>Temora longicornis</i> . implications for gut pigment loss and omnivorous feeding. <i>Journal of Plankton Research</i> , 1996, 18, 855-861.	0.8	37
72	Sedimentation of phytoplankton during a diatom bloom: Rates and mechanisms. <i>Journal of Marine Research</i> , 1996, 54, 1123-1148.	0.3	91

#	ARTICLE	IF	CITATIONS
73	The contribution of microorganisms to particulate carbon and nitrogen in surface waters of the Sargasso Sea near Bermuda. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1995, 42, 943-972.	0.6	240
74	Downward export of respiratory carbon and dissolved inorganic nitrogen by diel-migrant mesozooplankton at the JGOFS Bermuda time-series station. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1995, 42, 1187-1197.	0.6	126
75	The role of surface-active carbohydrates in the flocculation of a diatom bloom in a mesocosm. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1995, 42, 47-73.	0.6	248
76	Coagulation efficiency, organic-matter glues and the dynamics of particles during a phytoplankton bloom in a mesocosm study. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1995, 42, 111-123.	0.6	108
77	Combining particle size spectra from a mesocosm experiment measured using photographic and aperture impedence (Coulter and Elzone) techniques. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1995, 42, 139-157.	0.6	46
78	Zooplankton variability on the equator at 140°W during the JGOFS EqPac study. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1995, 42, 673-693.	0.6	86
79	Latitudinal variations in mesozooplankton grazing and metabolism in the central tropical Pacific during the U.S. JGOFS EqPac study. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1995, 42, 695-714.	0.6	76
80	Latitudinal gradients in zooplankton biomass in the tropical Pacific at 140°W during the JGOFS EqPac study: Effects of El Niño. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1995, 42, 715-733.	0.6	57
81	Mesozooplankton grazing and metabolism at the equator in the central Pacific: Implications for carbon and nitrogen fluxes. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1995, 42, 735-756.	0.6	131
82	Seasonal feeding and fecundity of the calanoid copepod <i>Acartia tonsa</i> in Long Island Sound: is omnivory important to egg production?. <i>Hydrobiologia</i> , 1994, 292-293, 191-199.	1.0	40
83	An improved flocculator design for use in particle aggregation experiments. <i>Limnology and Oceanography</i> , 1994, 39, 723-729.	1.6	30
84	Zooplankton biomass and grazing at the JGOFS Sargasso Sea time series station. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1993, 40, 883-901.	0.6	65
85	The trophic role of mesozooplankton at 47°N, 20°W during the North Atlantic Bloom Experiment. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1993, 40, 197-212.	0.6	127
86	Stocks and dynamics of bacterioplankton carbon during the spring bloom in the eastern North Atlantic Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1993, 40, 245-263.	0.6	171
87	Seasonal contrasts in the diel vertical distribution, feeding behavior, and grazing impact of the copepod <i>Temora longicornis</i> in Long Island Sound. <i>Journal of Marine Research</i> , 1993, 51, 561-594.	0.3	61
88	The influence of copepod "swimmers" on pigment fluxes in brine-filled vs. ambient seawater-filled sediment traps. <i>Limnology and Oceanography</i> , 1990, 35, 448-455.	1.6	24
89	Coagulation efficiency and aggregate formation in marine phytoplankton. <i>Marine Biology</i> , 1990, 107, 235-245.	0.7	242
90	The effect of temperature on the gut clearance rate constant of planktonic copepods. <i>Journal of Experimental Marine Biology and Ecology</i> , 1988, 123, 1-14.	0.7	266

#	ARTICLE	IF	CITATIONS
91	The nearshore zone during coastal upwelling: Daily variability and coupling between primary and secondary production off central Chile. <i>Progress in Oceanography</i> , 1988, 20, 1-40.	1.5	134
92	Short-term feeding of <i>Temora longicornis</i> MÅller in the laboratory and the field. <i>Journal of Experimental Marine Biology and Ecology</i> , 1986, 99, 149-161.	0.7	32