

# Ann Bucklin

## List of Publications by Year in descending order

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75  
papers

3,133  
citations

136885

32  
h-index

175177

52  
g-index

87  
all docs

87  
docs citations

87  
times ranked

2736  
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA Barcoding of Marine Metazoa. Annual Review of Marine Science, 2011, 3, 471-508.	5.1	430
2	Metabarcoding of marine zooplankton: prospects, progress and pitfalls. Journal of Plankton Research, 2016, 38, 393-400.	0.8	160
3	A "Rosetta Stone" for metazoan zooplankton: DNA barcode analysis of species diversity of the Sargasso Sea (Northwest Atlantic Ocean). Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 2234-2247.	0.6	116
4	Molecular phylogeny of the Calanoida (Crustacea: Copepoda). Molecular Phylogenetics and Evolution, 2011, 59, 103-113.	1.2	96
5	DNA barcoding of Arctic Ocean holozooplankton for species identification and recognition. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 40-48.	0.6	91
6	Low mitochondrial diversity and small effective population sizes of the copepods <i>Calanus finmarchicus</i> and <i>Nannocalanus minor</i> : possible impact of climatic variation during recent glaciation. , 1998, 89, 383-392.		88
7	Molecular Phylogeography and Evolutionary History of the Estuarine Copepod, <i>Acartia tonsa</i> , on the Northwest Atlantic Coast. Hydrobiologia, 2004, 511, 91-102.	1.0	85
8	DNA barcodes for species identification of euphausiids (Euphausiacea, Crustacea). Journal of Plankton Research, 2007, 29, 483-493.	0.8	81
9	DNA Barcoding the Medusozoa using mtCOI. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 2148-2156.	0.6	79
10	Distribution and relative abundance of <i>Pseudocalanus moultoni</i> and <i>P. newmani</i> (Copepoda: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 132, 97-106.	0.7	63
11	Molecular diversity of the copepod, <i>Nannocalanus minor</i> : Genetic evidence of species and population structure in the North Atlantic Ocean. Journal of Marine Research, 1996, 54, 285-310.	0.3	62
12	Genetics redraws pelagic biogeography of <i>Calanus</i> . Biology Letters, 2017, 13, 20170588.	1.0	62
13	Species diversity of planktonic gastropods (Pteropoda and Heteropoda) from six ocean regions based on DNA barcode analysis. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 2199-2210.	0.6	61
14	Diversity and community structure of pelagic fishes to 5000m depth in the Sargasso Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 2220-2233.	0.6	61
15	Population genetics of drifting ( <i>Calanus</i> spp.) and resident ( <i>Acartia clausi</i> ) plankton in Norwegian fjords. Journal of Plankton Research, 2000, 22, 1237-1251.	0.8	56
16	A molecular phylogeny of the Thaliacea. Journal of Plankton Research, 2011, 33, 843-853.	0.8	53
17	Population genetic variation of <i>Calanus finmarchicus</i> in Icelandic waters: preliminary evidence of genetic differences between Atlantic and Arctic populations. ICES Journal of Marine Science, 2000, 57, 1592-1604.	1.2	52
18	Gone with the currents: lack of genetic differentiation at the circum-continental scale in the Antarctic krill <i>Euphausia superba</i> . BMC Genetics, 2011, 12, 32.	2.7	51

#	ARTICLE	IF	CITATIONS
19	Genetic differentiation of seamount and basin populations of the deep-sea amphipod <i>Eurythenes gryllus</i> . <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1987, 34, 1795-1810.	1.6	48
20	Genetic differentiation and local temporal stability of population structure in the euphausiid <i>Meganyctiphanes norvegica</i> . <i>Marine Ecology - Progress Series</i> , 2005, 289, 225-235.	0.9	48
21	Toward a global reference database of COI barcodes for marine zooplankton. <i>Marine Biology</i> , 2021, 168, 1.	0.7	47
22	U.S. GLOBEC Northwest Atlantic/Georges Bank Program. <i>Oceanography</i> , 2002, 15, 13-29.	0.5	47
23	Gene flow patterns of the euphausiid, <i>Meganyctiphanes norvegica</i> , in the NW Atlantic based on mtDNA sequences for cytochrome b and cytochrome oxidase I. <i>Journal of Plankton Research</i> , 1997, 19, 1763-1781.	0.8	46
24	DNA Barcoding of Marine Copepods: Assessment of Analytical Approaches to Species Identification. <i>PLOS Currents</i> , 2014, 6, .	1.4	46
25	Comparative phylogeography and connectivity of sibling species of the marine copepod <i>Clausocalanus</i> (Calanoida). <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 404, 108-115.	0.7	45
26	The population genetics of <i>Calanus finmarchicus</i> in the North Atlantic. <i>Ophelia</i> , 1996, 44, 29-45.	0.3	44
27	Morphological and Molecular Phylogenetic Analysis of Evolutionary Lineages within <i>Clausocalanus</i> (Copepoda: Calanoida). <i>Journal of Crustacean Biology</i> , 2009, 29, 111-120.	0.3	44
28	Time-series metabarcoding analysis of zooplankton diversity of the NW Atlantic continental shelf. <i>ICES Journal of Marine Science</i> , 2019, 76, 1162-1176.	1.2	43
29	Basin-scale population genetic structure of the planktonic copepod <i>Calanus finmarchicus</i> in the North Atlantic Ocean. <i>Progress in Oceanography</i> , 2010, 87, 175-185.	1.5	40
30	Voracious planktonic hydroids: unexpected predatory impact on a coastal marine ecosystem. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1996, 43, 1823-1829.	0.6	39
31	Barcoding of Arrow Worms (Phylum Chaetognatha) from Three Oceans: Genetic Diversity and Evolution within an Enigmatic Phylum. <i>PLoS ONE</i> , 2010, 5, e9949.	1.1	37
32	Population genetic responses of the planktonic copepod <i>Metridia pacifica</i> to a coastal eddy in the California Current. <i>Journal of Geophysical Research</i> , 1991, 96, 14799-14808.	3.3	34
33	Source regions for recruitment of <i>Calanus finmarchicus</i> to Georges Bank: evidence from molecular population genetic analysis of mtDNA. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1996, 43, 1665-1681.	0.6	34
34	Spring evolution of <i>Pseudocalanus</i> spp. abundance on Georges Bank based on molecular discrimination of <i>P. moultoni</i> and <i>P. newmani</i> . <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2001, 48, 589-608.	0.6	32
35	Genetic tracers of zooplankton transport in coastal filaments off northern California. <i>Journal of Geophysical Research</i> , 1989, 94, 8277-8288.	3.3	30
36	Comparative phylogeography and demographic history of five sibling species of <i>Pseudocalanus</i> (Copepoda: Calanoida) in the North Atlantic Ocean. <i>Journal of Experimental Marine Biology and Ecology</i> , 2014, 461, 479-488.	0.7	28

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37	Growth and asexual reproduction of the sea anemone <i>Metridium</i> : comparative laboratory studies of three species. <i>Journal of Experimental Marine Biology and Ecology</i> , 1987, 110, 41-52.	0.7	27
38	Allozymic variability of <i>Riftia pachyptila</i> populations from the Galapagos Rift and 21°N hydrothermal vents. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1988, 35, 1759-1768.	1.6	27
39	Molecular Systematic of Three Species of <i>Oithona</i> (Copepoda, Cyclopoida) from the Atlantic Ocean: Comparative Analysis Using 28S rDNA. <i>PLoS ONE</i> , 2012, 7, e35861.	1.1	27
40	Functional genomics resources for the North Atlantic copepod, <i>Calanus finmarchicus</i> : EST database and physiological microarray. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2012, 7, 110-123.	0.4	26
41	Metabarcoding analysis of regional variation in gut contents of the copepod <i>Calanus finmarchicus</i> in the North Atlantic Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 180, 104738.	0.6	26
42	Phylogeography and connectivity of the <i>Pseudocalanus</i> (Copepoda: Calanoida) species complex in the eastern North Pacific and the Pacific Arctic Region. <i>Journal of Plankton Research</i> , 2016, 38, 610-623.	0.8	25
43	Rapid Evolutionary Rates and Unique Genomic Signatures Discovered in the First Reference Genome for the Southern Ocean Salp, <i>Salpa thompsoni</i> (Urochordata, Thaliacea). <i>Genome Biology and Evolution</i> , 2016, 8, 3171-3186.	1.1	25
44	The annual cycle of sexual reproduction in the sea anemone <i>Metridium senile</i> . <i>Canadian Journal of Zoology</i> , 1982, 60, 3241-3248.	0.4	24
45	Population Genomics of Marine Zooplankton. <i>Population Genomics</i> , 2018, , 61-102.	0.2	24
46	Biochemical Genetic Variation, Growth and Regeneration of the Sea Anemone, <i>Metridium</i> , of British Shores. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 1985, 65, 141-157.	0.4	22
47	Discovery of <i>Pseudocalanus moultoni</i> (Frost, 1989) in Northeast Atlantic waters based on mitochondrial COI sequence variation. <i>Journal of Plankton Research</i> , 2011, 33, 1487-1495.	0.8	22
48	Species-specific PCR discrimination of species of the calanoid copepod <i>Pseudocalanus</i> , <i>P. acuspis</i> and <i>P. elongatus</i> , in the Baltic and North Seas. <i>Hydrobiologia</i> , 2010, 652, 289-297.	1.0	21
49	Metabarcoding of zooplankton diversity within the Chukchi Borderland, Arctic Ocean: improved resolution from multi-gene markers and region-specific DNA databases. <i>Marine Biodiversity</i> , 2021, 51, 1.	0.3	21
50	Population genetic variation of the Southern Ocean krill, <i>Euphausia superba</i> , in the Western Antarctic Peninsula region based on mitochondrial single nucleotide polymorphisms (SNPs). <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011, 58, 1652-1661.	0.6	20
51	Identification, Discrimination, and Discovery of Species of Marine Planktonic Ostracods Using DNA Barcodes. <i>PLoS ONE</i> , 2016, 11, e0146327.	1.1	20
52	Intermingling of two <i>Pseudocalanus</i> species on Georges Bank. <i>Journal of Marine Research</i> , 2002, 60, 583-604.	0.3	18
53	Multi-Gene Analysis Reveals a Lack of Genetic Divergence between <i>Calanus agulhensis</i> and <i>C. sinicus</i> (Copepoda; Calanoida). <i>PLoS ONE</i> , 2012, 7, e45710.	1.1	18
54	Genetic heterogeneity in euphausiid populations: <i>Euphausia krohnii</i> and <i>Nematoscelis megalops</i> in North Atlantic Slope Water. <i>Limnology and Oceanography</i> , 1986, 31, 1346-1352.	1.6	17

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55	Adaptive advantages of patterns of growth and asexual reproduction of the sea anemone <i>Metridium senile</i> (L.) in intertidal and submerged populations. <i>Journal of Experimental Marine Biology and Ecology</i> , 1987, 110, 225-243.	0.7	17
56	Integrated biochemical, molecular genetic, and bioacoustical analysis of mesoscale variability of the euphausiid <i>Nematoscelis difficilis</i> in the California Current. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2002, 49, 437-462.	0.6	17
57	Transcriptomic profiles of spring and summer populations of the Southern Ocean salp, <i>Salpa thompsoni</i> , in the Western Antarctic Peninsula region. <i>Polar Biology</i> , 2017, 40, 1261-1276.	0.5	17
58	Deep-sea sampling on CMarZ cruises in the Atlantic Ocean – an Introduction. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2010, 57, 2157-2166.	0.6	15
59	Vertical distribution and migration of euphausiid species in the Red Sea. <i>Journal of Plankton Research</i> , 2016, 38, 888-903.	0.8	15
60	Multivariate analysis of the copepod community of near-shore waters in the western Gulf of Maine. <i>Marine Ecology - Progress Series</i> , 2005, 292, 233-249.	0.9	15
61	Phylogeography of the copepod <i>Calanoides carinatus</i> s.l. (Kr�yer) reveals cryptic species and delimits <i>C. carinatus</i> s.s. distribution in SW Atlantic Ocean. <i>Journal of Experimental Marine Biology and Ecology</i> , 2015, 468, 97-104.	0.7	14
62	In silico characterization of the insect diapause-associated protein couch potato (CPO) in <i>Calanus finmarchicus</i> (Crustacea: Copepoda). <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2013, 8, 45-57.	0.4	11
63	Gene expression of the marine copepod <i>Calanus finmarchicus</i> : Responses to small-scale environmental variation in the Gulf of Maine (NW Atlantic Ocean). <i>Journal of Experimental Marine Biology and Ecology</i> , 2013, 446, 76-85.	0.7	11
64	Population Genetics and Phylogeny of Planktonic Copepods. , 1998, , 303-318.		9
65	Pathways of Pelagic Connectivity: <i>Eukrohnia hamata</i> (Chaetognatha) in the Arctic Ocean. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	8
66	New insights into biodiversity, biogeography, ecology, and evolution of marine zooplankton based on molecular approaches. <i>ICES Journal of Marine Science</i> , 2021, 78, 3281-3287.	1.2	7
67	COI Metabarcoding of Zooplankton Species Diversity for Time-Series Monitoring of the NW Atlantic Continental Shelf. <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	7
68	Sampling, Preservation and Counting of Samples II: Zooplankton. , 2017, , .		6
69	Habitat usage by the cryptic copepods <i>Pseudocalanus moultoni</i> and <i>P. newmani</i> on Georges Bank (Northwest Atlantic). <i>Continental Shelf Research</i> , 2015, 111, 83-94.	0.9	5
70	Population connectivity of the euphausiid, <i>Stylocheiron elongatum</i> , in the Gulf Stream (NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 <i>Marine Science</i> , 2021, 78, 3464-3476.	1.2	5
71	Molecular markers of zooplankton dispersal in the ocean. <i>Reviews of Geophysics</i> , 1995, 33, 1165-1175.	9.0	4
72	Twilight Zone Observation Network: A Distributed Observation Network for Sustained, Real-Time Interrogation of the Ocean's Twilight Zone. <i>Marine Technology Society Journal</i> , 2021, 55, 92-93.	0.3	2

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73	Species-specific patterns of distribution and abundance of the cryptic copepods <i>Pseudocalanus moultoni</i> and <i>P. newmani</i> on Georges Bank (NW Atlantic Ocean) during spring 1995â€“2012. <i>Continental Shelf Research</i> , 2020, 208, 104242.	0.9	1
74	A Functional Biology of Sea Anemones. J. Malcolm Shick. <i>Quarterly Review of Biology</i> , 1992, 67, 386-386.	0.0	0
75	CAN FRESHWATER FORAMINIFERA IMPACT STROMATOLITE FABRIC?. , 2017, , .		0