Ann Bucklin

List of Publications by Year
in descending order

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75 papers	3,133 citations	136950 32 h-index	175258 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.	11.6	430
2	Metabarcoding of marine zooplankton: prospects, progress and pitfalls. Journal of Plankton Research, 2016, 38, 393-400.	1.8	160
3	A â€œRosetta Stoneâ€•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.	1.4	116
4	Molecular phylogeny of the Calanoida (Crustacea: Copepoda). Molecular Phylogenetics and Evolution, 2011, 59, 103-113.	2.7	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.	1.4	91
6	Low mitochondrial diversity and small effective population sizes of the copepods Calanus finmarchicus and Nannocalanus minor: possible impact of climatic variation during recent glaciation. , 1998, 89, 383-392.		88
7	Molecular Phylogeography and Evolutionary History of the Estuarine Copepod, Acartia Tonsa, on the Northwest Atlantic Coast. Hydrobiologia, 2004, 511, 91-102.	2.0	85
8	DNA barcodes for species identification of euphausiids (Euphausiacea, Crustacea). Journal of Plankton Research, 2007, 29, 483-493.	1.8	81
9	DNA Barcoding the Medusozoa using mtCOI. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 2148-2156.	1.4	79
10	Distribution and relative abundance of Pseudocalanus moultoni and P. newmani (Copepoda:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 132, 97-106.	1.5	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 Calanus. Biology Letters, 2017, 13, 20170588.	2.3	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.	1.4	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.	1.4	61
15	Population genetics of drifting (Calanus spp.) and resident (Acartia clausi) plankton in Norwegian fjords. Journal of Plankton Research, 2000, 22, 1237-1251.	1.8	56
16	A molecular phylogeny of the Thaliacea. Journal of Plankton Research, 2011, 33, 843-853.	1.8	53
17	Population genetic variation of Calanus finmarchicus in Icelandic waters: preliminary evidence of genetic differences between Atlantic and Arctic populations. ICES Journal of Marine Science, 2000, 57, 1592-1604.	2.5	52
18	Gone with the currents: lack of genetic differentiation at the circum-continental scale in the Antarctic krill Euphausia superba. BMC Genetics, 2011, 12, 32.	2.7	51

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19	Genetic differentiation of seamount and basin populations of the deep-sea amphipod Eurythenes gryllus. Deep-sea Research Part A, Oceanographic Research Papers, 1987, 34, 1795-1810.	1.5	48
20	Genetic differentiation and local temporal stability of population structure in the euphausiid Meganyctiphanes norvegica. Marine Ecology - Progress Series, 2005, 289, 225-235.	1.9	48
21	Toward a global reference database of COI barcodes for marine zooplankton. Marine Biology, 2021, 168, 1.	1.5	47
22	U.S. GLOBEC Northwest Atlantic/Georges Bank Program. Oceanography, 2002, 15, 13-29.	1.0	47
23	Gene flow patterns of the euphausiid, Meganyctiphanes norvegica, in the NW Atlantic based on mtDNA sequences for cytochrome b and cytochrome oxidase I. Journal of Plankton Research, 1997, 19, 1763-1781.	1.8	46
24	DNA Barcoding of Marine Copepods: Assessment of Analytical Approaches to Species Identification. PLOS Currents, 2014, 6, .	1.4	46
25	Comparative phylogeography and connectivity of sibling species of the marine copepod Clausocalanus (Calanoida). Journal of Experimental Marine Biology and Ecology, 2011, 404, 108-115.	1.5	45
26	The population genetics ofCalanus finmarchicusin the North Atlantic. Ophelia, 1996, 44, 29-45.	0.3	44
27	Morphological and Molecular Phylogenetic Analysis of Evolutionary Lineages within Clausocalanus (Copepoda: Calanoida). Journal of Crustacean Biology, 2009, 29, 111-120.	0.8	44
28	Time-series metabarcoding analysis of zooplankton diversity of the NW Atlantic continental shelf. ICES Journal of Marine Science, 2019, 76, 1162-1176.	2.5	43
29	Basin-scale population genetic structure of the planktonic copepod Calanus finmarchicus in the North Atlantic Ocean. Progress in Oceanography, 2010, 87, 175-185.	3.2	40
30	Voracious planktonic hydroids: unexpected predatory impact on a coastal marine ecosystem. Deep-Sea Research Part II: Topical Studies in Oceanography, 1996, 43, 1823-1829.	1.4	39
31	Barcoding of Arrow Worms (Phylum Chaetognatha) from Three Oceans: Genetic Diversity and Evolution within an Enigmatic Phylum. PLoS ONE, 2010, 5, e9949.	2.5	37
32	Population genetic responses of the planktonic copepod Metridia pacifica to a coastal eddy in the California Current. Journal of Geophysical Research, 1991, 96, 14799-14808.	3.3	34
33	Source regions for recruitment of Calanus finmarchicus to Georges Bank: evidence from molecular population genetic analysis of mtDNA. Deep-Sea Research Part II: Topical Studies in Oceanography, 1996, 43, 1665-1681.	1.4	34
34	Spring evolution of Pseudocalanus spp. abundance on Georges Bank based on molecular discrimination of P. moultoni and P. newmani. Deep-Sea Research Part II: Topical Studies in Oceanography, 2001, 48, 589-608.	1.4	32
35	Genetic tracers of zooplankton transport in coastal filaments off northern California. Journal of Geophysical Research, 1989, 94, 8277-8288.	3.3	30
36	Comparative phylogeography and demographic history of five sibling species of Pseudocalanus (Copepoda: Calanoida) in the North Atlantic Ocean. Journal of Experimental Marine Biology and Ecology, 2014, 461, 479-488.	1.5	28

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37	Growth and asexual reproduction of the sea anemone Metridium: comparative laboratory studies of three species. Journal of Experimental Marine Biology and Ecology, 1987, 110, 41-52.	1.5	27
38	Allozymic variability of Riftia pachyptila populations from the Galapagos Rift and 21Â°N hydrothermal vents. Deep-sea Research Part A, Oceanographic Research Papers, 1988, 35, 1759-1768.	1.5	27
39	Molecular Systematic of Three Species of Oithona (Copepoda, Cyclopoida) from the Atlantic Ocean: Comparative Analysis Using 28S rDNA. PLoS ONE, 2012, 7, e35861.	2.5	27
40	Functional genomics resources for the North Atlantic copepod, Calanus finmarchicus: EST database and physiological microarray. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2012, 7, 110-123.	1.0	26
41	Metabarcoding analysis of regional variation in gut contents of the copepod Calanus finmarchicus in the North Atlantic Ocean. Deep-Sea Research Part II: Topical Studies in Oceanography, 2020, 180, 104738.	1.4	26
42	Phylogeography and connectivity of thePseudocalanus(Copepoda: Calanoida) species complex in the eastern North Pacific and the Pacific Arctic Region. Journal of Plankton Research, 2016, 38, 610-623.	1.8	25
43	Rapid Evolutionary Rates and Unique Genomic Signatures Discovered in the First Reference Genome for the Southern Ocean Salp,Salpa thompsoni(Urochordata, Thaliacea). Genome Biology and Evolution, 2016, 8, 3171-3186.	2.5	25
44	The annual cycle of sexual reproduction in the sea anemone Metridium senile. Canadian Journal of Zoology, 1982, 60, 3241-3248.	1.0	24
45	Population Genomics of Marine Zooplankton. Population Genomics, 2018, , 61-102.	0.5	24
46	Biochemical Genetic Variation, Growth and Regeneration of the Sea Anemone,Metridium, of British Shores. Journal of the Marine Biological Association of the United Kingdom, 1985, 65, 141-157.	0.8	22
47	Discovery of Pseudocalanus moultoni (Frost, 1989) in Northeast Atlantic waters based on mitochondrial COI sequence variation. Journal of Plankton Research, 2011, 33, 1487-1495.	1.8	22
48	Species-specific PCR discrimination of species of the calanoid copepod Pseudocalanus, P. acuspes and P. elongatus, in the Baltic and North Seas. Hydrobiologia, 2010, 652, 289-297.	2.0	21
49	Metabarcoding of zooplankton diversity within the Chukchi Borderland, Arctic Ocean: improved resolution from multi-gene markers and region-specific DNA databases. Marine Biodiversity, 2021, 51, 1.	1.0	21
50	Population genetic variation of the Southern Ocean krill, Euphausia superba, in the Western Antarctic Peninsula region based on mitochondrial single nucleotide polymorphisms (SNPs). Deep-Sea Research Part II: Topical Studies in Oceanography, 2011, 58, 1652-1661.	1.4	20
51	Identification, Discrimination, and Discovery of Species of Marine Planktonic Ostracods Using DNA Barcodes. PLoS ONE, 2016, 11, e0146327.	2.5	20
52	Intermingling of two <I>Pseudocalanus</I> species on Georges Bank. Journal of Marine Research, 2002, 60, 583-604.	0.3	18
53	Multi-Gene Analysis Reveals a Lack of Genetic Divergence between Calanus agulhensis and C. sinicus (Copepoda; Calanoida). PLoS ONE, 2012, 7, e45710.	2.5	18
54	Genetic heterogeneity in euphausiid populations: Euphausia krohnii and Nematoscelis megalops in North Atlantic Slope Water1. Limnology and Oceanography, 1986, 31, 1346-1352.	3.1	17

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55	Adaptive advantages of patterns of growth and asexual reproduction of the sea anemone Metridium senile (L.) in intertidal and submerged populations. Journal of Experimental Marine Biology and Ecology, 1987, 110, 225-243.	1.5	17
56	Integrated biochemical, molecular genetic, and bioacoustical analysis of mesoscale variability of the euphausiid Nematoscelis difficilis in the California Current. Deep-Sea Research Part I: Oceanographic Research Papers, 2002, 49, 437-462.	1.4	17
57	Transcriptomic profiles of spring and summer populations of the Southern Ocean salp, Salpa thompsoni, in the Western Antarctic Peninsula region. Polar Biology, 2017, 40, 1261-1276.	1.2	17
58	Deep-sea sampling on CMarZ cruises in the Atlantic Ocean â€“ an Introduction. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 2157-2166.	1.4	15
59	Vertical distribution and migration of euphausiid species in the Red Sea. Journal of Plankton Research, 2016, 38, 888-903.	1.8	15
60	Multivariate analysis of the copepod community of near-shore waters in the western Gulf of Maine. Marine Ecology - Progress Series, 2005, 292, 233-249.	1.9	15
61	Phylogeography of the copepod Calanoides carinatus s.l. (KrÃyer) reveals cryptic species and delimits C. carinatus s.s. distribution in SW Atlantic Ocean. Journal of Experimental Marine Biology and Ecology, 2015, 468, 97-104.	1.5	14
62	In silico characterization of the insect diapause-associated protein couch potato (CPO) in Calanus finmarchicus (Crustacea: Copepoda). Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2013, 8, 45-57.	1.0	11
63	Gene expression of the marine copepod Calanus finmarchicus: Responses to small-scale environmental variation in the Gulf of Maine (NW Atlantic Ocean). Journal of Experimental Marine Biology and Ecology, 2013, 446, 76-85.	1.5	11
64	Population Genetics and Phylogeny of Planktonic Copepods. , 1998, , 303-318.		9
65	Pathways of Pelagic Connectivity: Eukrohnia hamata (Chaetognatha) in the Arctic Ocean. Frontiers in Marine Science, 2020, 7, .	2.5	8
66	New insights into biodiversity, biogeography, ecology, and evolution of marine zooplankton based on molecular approaches. ICES Journal of Marine Science, 2021, 78, 3281-3287.	2.5	7
67	COI Metabarcoding of Zooplankton Species Diversity for Time-Series Monitoring of the NW Atlantic Continental Shelf. Frontiers in Marine Science, 2022, 9, .	2.5	7
68	Sampling, Preservation and Counting of Samples II: Zooplankton. , 2017, , .		6
69	Habitat usage by the cryptic copepods Pseudocalanus moultoni and P. newmani on Georges Bank (Northwest Atlantic). Continental Shelf Research, 2015, 111, 83-94.	1.8	5
70	Population connectivity of the euphausiid, Stylocheiron elongatum, in the Gulf Stream (NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Marine Science, 2021, 78, 3464-3476.	2.5	5
71	Molecular markers of zooplankton dispersal in the ocean. Reviews of Geophysics, 1995, 33, 1165-1175.	23.0	4
72	Twilight Zone Observation Network: A Distributed Observation Network for Sustained, Real-Time Interrogation of the Ocean's Twilight Zone. Marine Technology Society Journal, 2021, 55, 92-93.	0.4	2

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73	Species-specific patterns of distribution and abundance of the cryptic copepods Pseudocalanus moultoni and P. newmani on Georges Bank (NW Atlantic Ocean) during spring 1995â€“2012. Continental Shelf Research, 2020, 208, 104242.	1.8	1
74	A Functional Biology of Sea Anemones.J. Malcolm Shick. Quarterly Review of Biology, 1992, 67, 386-386.	0.1	0
75	CAN FRESHWATER FORAMINIFERA IMPACT STROMATOLITE FABRIC?. , 2017, , .		0