

Atsushi Yamaguchi

List of Publications by Year in descending order

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Version: 2024-02-01

93
papers

1,992
citations

279487

23
h-index

288905

40
g-index

94
all docs

94
docs citations

94
times ranked

1760
citing authors

#	ARTICLE	IF	CITATIONS
1	Two species of seabirds foraged in contrasting marine habitats across the cold-water belt along the coast of northern Hokkaido in the southwestern Okhotsk Sea. <i>Fisheries Science</i> , 2022, 88, 109-118.	0.7	1
2	Effects of Early Sea-Ice Reduction on Zooplankton and Copepod Population Structure in the Northern Bering Sea During the Summers of 2017 and 2018. <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	7
3	Vertical distribution, standing stocks, and taxonomic accounts of the entire plankton community, and the estimation of vertical material flux via faecal pellets in the southern Okhotsk Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2022, 185, 103771.	0.6	3
4	Between-year comparison of interactions between environmental parameters and various plankton stocks in the northern Bering Sea during the summers of 2017 and 2018. <i>Polar Science</i> , 2021, 27, 100555.	0.5	2
5	Rapidly changing glaciers, ocean and coastal environments, and their impact on human society in the Qaanaaq region, northwestern Greenland. <i>Polar Science</i> , 2021, 27, 100632.	0.5	15
6	Seasonal variability of the protist community and production in the southern Okhotsk Sea revealed by weekly monitoring. <i>Regional Studies in Marine Science</i> , 2021, 43, 101683.	0.4	5
7	Response of Arctic biodiversity and ecosystem to environmental changes: Findings from the ArCS project. <i>Polar Science</i> , 2021, 27, 100533.	0.5	8
8	Vertical changes in abundance, biomass and community structure of pelagic polychaetes down to 1000m depths at Station K2 in the western subarctic Pacific Ocean covering the four seasons and day-night. <i>Journal of Plankton Research</i> , 2021, 43, 442-457.	0.8	4
9	Ecology, Morphology, Phylogeny and Taxonomic Revision of Giant Radiolarians, <i>Orodaria</i> ord. nov. (Radiolaria; Rhizaria; SAR). <i>Protist</i> , 2021, 172, 125808.	0.6	6
10	Distribution of Growth-Inhibiting Bacteria against the Toxic Dinoflagellate <i>Alexandrium catenella</i> (Group I) in Akkeshi-Ko Estuary and Akkeshi Bay, Hokkaido, Japan. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 172.	1.3	6
11	Contrasting assemblages of seabirds in the subglacial meltwater plume and oceanic water of Bowdoin Fjord, northwestern Greenland. <i>ICES Journal of Marine Science</i> , 2020, 77, 711-720.	1.2	20
12	Abundance, horizontal and vertical distribution of epipelagic ctenophores and scyphomedusae in the northern Bering Sea in summer 2017 and 2018: Quantification by underwater video imaging analysis. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 181-182, 104818.	0.6	4
13	Seasonal changes in the zooplankton community and population structure in the northern Bering Sea from June to September, 2017. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 181-182, 104901.	0.6	8
14	Distribution of Harmful Algal Growth-Limiting Bacteria on Artificially Introduced <i>Ulva</i> and Natural Macroalgal Beds. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5658.	1.3	9
15	Timing of spring sea-ice retreat and summer seabird-prey associations in the northern Bering Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 181-182, 104898.	0.6	7
16	Spatial changes in the summer diatom community of the northern Bering Sea in 2017 and 2018. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 181-182, 104903.	0.6	11
17	Vertical distribution, population structure and developmental characteristics of the less studied but globally distributed mesopelagic copepod <i>Scaphocalanus magnus</i> in the western Arctic Ocean. <i>Journal of Plankton Research</i> , 2020, 42, 368-377.	0.8	4
18	Review of spatial and inter-annual changes in the zooplankton community structure in the western Arctic Ocean during summers of 2008-2017. <i>Progress in Oceanography</i> , 2020, 186, 102391.	1.5	10

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19	Regional comparison of seasonal changes on copepod community structure in the Arctic Ocean. <i>Polar Science</i> , 2020, 24, 100509.	0.5	2
20	Community structure and seasonal changes in population structure of pelagic polychaetes collected by sediment traps moored in the subarctic and subtropical western North Pacific Ocean. <i>Zoosymposia</i> , 2020, 19, 41-50.	0.3	9
21	Seasonal changes in the community structure of chaetognaths and the life cycle of the dominant chaetognath <i>Eukrohnia hamata</i> in the Oyashio region, western subarctic Pacific. <i>Plankton and Benthos Research</i> , 2020, 15, 146-155.	0.2	3
22	The community composition of diatom resting stages in sediments of the northern Bering Sea in 2017 and 2018: the relationship to the interannual changes in the extent of the sea ice. <i>Polar Biology</i> , 2019, 42, 1915-1922.	0.5	13
23	Yearly comparison of the planktonic chaetognath community in the Chukchi Sea in the summers of 1991 and 2007. <i>Polar Science</i> , 2019, 19, 112-119.	0.5	7
24	Ontogenetic vertical migration of the mesopelagic carnivorous copepod <i>Paraeuchaeta</i> spp. is related to their increase in body mass. <i>Journal of Plankton Research</i> , 2019, 41, 791-797.	0.8	4
25	Seasonal phenology of four dominant copepods in the Pacific sector of the Arctic Ocean: Insights from statistical analyses of sediment trap data. <i>Polar Science</i> , 2019, 19, 94-111.	0.5	10
26	Surface zooplankton size and taxonomic composition in Bowdoin Fjord, north-western Greenland: A comparison of ZooScan, OPC and microscopic analyses. <i>Polar Science</i> , 2019, 19, 120-129.	0.5	22
27	Seasonal variability of zooplankton size spectra at Mombetsu Harbour in the southern Okhotsk Sea during 2011: An analysis using an optical plankton counter. <i>Regional Studies in Marine Science</i> , 2018, 20, 34-44.	0.4	5
28	Comparisons between POC and zooplankton swimmer flux from sediment traps in the subarctic and subtropical North Pacific. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2018, 133, 19-26.	0.6	8
29	<i>Gazellella kashiwaensis</i> sp. nov. (Medusettidae, Phaeodaria, Cercozoa), Its Morphology, Phylogeny, Distribution, and Feeding Behavior. <i>Journal of Eukaryotic Microbiology</i> , 2018, 65, 923-927.	0.8	3
30	Distribution of viable resting stage cells of diatoms in sediments and water columns of the Chukchi Sea, Arctic Ocean. <i>Phycologia</i> , 2018, 57, 440-452.	0.6	12
31	First record of the larvae of tanner crab <i>Chionoecetes bairdi</i> in the Chukchi Sea: A future northward expansion in the Arctic?. <i>Polar Science</i> , 2018, 16, 86-89.	0.5	9
32	The physiological adaptations and toxin profiles of the toxic <i>Alexandrium fundyense</i> on the eastern Bering Sea and Chukchi Sea shelves. <i>Harmful Algae</i> , 2017, 63, 13-22.	2.2	11
33	A light in the dark: ecology, evolution and molecular basis of copepod bioluminescence. <i>Journal of Plankton Research</i> , 2017, 39, 369-378.	0.8	3
34	Abundance, development stage, and size of decapod larvae through the Bering and Chukchi Seas during summer. <i>Polar Biology</i> , 2017, 40, 1805-1819.	0.5	11
35	Possible spreading of toxic <i>Alexandrium tamarensis</i> blooms on the Chukchi Sea shelf with the inflow of Pacific summer water due to climatic warming. <i>Harmful Algae</i> , 2017, 61, 80-86.	2.2	31
36	Seasonal distribution of short-tailed shearwaters and their prey in the Bering and Chukchi seas. <i>Biogeosciences</i> , 2017, 14, 203-214.	1.3	13

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37	Evidence of increased toxic <i>Alexandrium tamarense</i> dinoflagellate blooms in the eastern Bering Sea in the summers of 2004 and 2005. <i>PLoS ONE</i> , 2017, 12, e0188565.	1.1	8
38	Short-term changes in a microplankton community in the Chukchi Sea during autumn: consequences of a strong wind event. <i>Biogeosciences</i> , 2016, 13, 913-923.	1.3	10
39	Distribution of Arctic and Pacific copepods and their habitat in the northern Bering and Chukchi seas. <i>Biogeosciences</i> , 2016, 13, 4555-4567.	1.3	2
40	Spatial and geographical changes in the mesozooplankton community in the Bering and Chukchi Seas during the summers of 2007 and 2008. <i>Polar Science</i> , 2016, 10, 335-345.	0.5	13
41	Comparative ecology of three dominant pelagic chaetognaths (<i>Eukrohnia hamata</i> , <i>Parasagitta elegans</i> , <i>Tigridiopsis</i>) in the Bering and Chukchi Seas. <i>Studies in Marine Science</i> , 2016, 8, 122-132.	0.4	0
42	Regional patterns and controlling factors on summer population structure of <i>Calanus glacialis</i> in the western Arctic Ocean. <i>Polar Science</i> , 2016, 10, 503-510.	0.5	10
43	Short-term changes in abundance and population structure of dominant pelagic amphipod species in the Oyashio region during the spring phytoplankton bloom. <i>Regional Studies in Marine Science</i> , 2016, 3, 154-162.	0.4	3
44	Seasonal abundance, population structure, sex ratio and gonad maturation of <i>Metridia okhotensis</i> Brodsky, 1950 in the Okhotsk Sea: analysis of samples collected by deep water pumping. <i>Crustaceana</i> , 2016, 89, 151-161.	0.1	1
45	Usefulness of deep-ocean water pumping for the seasonal monitoring of mesozooplankton. <i>Regional Studies in Marine Science</i> , 2016, 3, 18-24.	0.4	2
46	Long-Term Changes in Summer Zooplankton Communities of the Western Chukchi Sea, 1945–2012. <i>Oceanography</i> , 2015, 28, 100-115.	0.5	79
47	Reproductive success of Pacific copepods in the Arctic Ocean and the possibility of changes in the Arctic ecosystem. <i>Polar Biology</i> , 2015, 38, 1075-1079.	0.5	11
48	Seasonal changes in the population structure of dominant planktonic copepods collected using a sediment trap moored in the western Arctic Ocean. <i>Journal of Natural History</i> , 2015, 49, 2711-2726.	0.2	11
49	Seasonal and inter-species comparison of asymmetry in the genital system of some species of the oceanic copepod genus <i>Metridia</i> (Copepoda, Calanoida). <i>Crustaceana</i> , 2015, 88, 1307-1321.	0.1	2
50	Spatial and temporal changes in zooplankton abundance, biovolume, and size spectra in the neighboring waters of Japan: analyses using an optical plankton counter. <i>Zoological Studies</i> , 2015, 54, e18.	0.3	16
51	Molecular Phylogeny of the Widely Distributed Marine Protists, Phaeodaria (Rhizaria, Cercozoa). <i>Protist</i> , 2015, 166, 363-373.	0.6	24
52	Spatial changes in the vertical distribution of calanoid copepods down to great depths in the North Pacific. <i>Zoological Studies</i> , 2015, 54, e13.	0.3	17
53	Inter-oceanic comparison of planktonic copepod ecology (vertical distribution, abundance,) in the Bering and Chukchi Seas region in autumn. <i>Journal of Natural History</i> , 2015, 49, 2743-2757.	0.2	2
54	Enhanced role of eddies in the Arctic marine biological pump. <i>Nature Communications</i> , 2014, 5, 3950.	5.8	95

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55	The seagrass <i>Zostera marina</i> harbors growth-inhibiting bacteria against the toxic dinoflagellate <i>Alexandrium tamarens</i> . <i>Fisheries Science</i> , 2014, 80, 353-362.	0.7	29
56	Seasonal changes in mesozooplankton swimmers collected by sediment trap moored at a single station on the Northwind Abyssal Plain in the western Arctic Ocean. <i>Journal of Plankton Research</i> , 2014, 36, 490-502.	0.8	29
57	Seasonal changes in zooplankton abundance, biomass, size structure and dominant copepods in the Oyashio region analysed by an optical plankton counter. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2014, 91, 115-124.	0.6	6
58	Horizontal distribution of microprotist community structure in the western Arctic Ocean during late summer and early fall of 2010. <i>Polar Biology</i> , 2014, 37, 1185-1195.	0.5	21
59	Variation in assimilation efficiencies of dominant <i>Neocalanus</i> and <i>Eucalanus</i> copepods in the subarctic Pacific: Consequences for population structure models. <i>Journal of Experimental Marine Biology and Ecology</i> , 2013, 449, 321-329.	0.7	10
60	Interannual changes in the zooplankton community structure on the southeastern Bering Sea shelf during summers of 1994-2009. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013, 94, 44-56.	0.6	21
61	Abundance and distribution of toxic <i>Alexandrium tamarens</i> resting cysts in the sediments of the Chukchi Sea and the eastern Bering Sea. <i>Harmful Algae</i> , 2013, 27, 52-59.	2.2	43
62	Computational analysis and functional expression of ancestral copepod luciferase. <i>Gene</i> , 2013, 528, 201-205.	1.0	20
63	<i>Aulographis japonica</i> sp. nov. (Phaeodaria, Aulacanthida, Aulacanthidae), an abundant zooplankton in the deep sea of the Sea of Japan. <i>Plankton and Benthos Research</i> , 2013, 8, 107-115.	0.2	17
64	Biomass size spectra of mesozooplankton in the Chukchi Sea during the summers of 1991/1992 and 2007/2008: an analysis using optical plankton counter data. <i>ICES Journal of Marine Science</i> , 2012, 69, 1205-1217.	1.2	27
65	Evolution of Bioluminescence in Marine Planktonic Copepods. <i>Molecular Biology and Evolution</i> , 2012, 29, 1669-1681.	3.5	48
66	Short-term changes in population structure and vertical distribution of mesopelagic copepods during the spring phytoplankton bloom in the Oyashio region. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2012, 65, 100-112.	0.6	7
67	Comparison of warm and cold years on the southeastern Bering Sea shelf and some implications for the ecosystem. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2012, 65-70, 31-45.	0.6	273
68	Horizontal distribution of calanoid copepods in the western Arctic Ocean during the summer of 2008. <i>Polar Science</i> , 2012, 6, 105-119.	0.5	14
69	Interannual and latitudinal changes in zooplankton abundance, biomass and size composition along a central North Pacific transect during summer: analyses with an Optical Plankton Counter. <i>Plankton and Benthos Research</i> , 2012, 7, 64-74.	0.2	10
70	Year-to-year changes of the mesozooplankton community in the Chukchi Sea during summers of 1991, 1992 and 2007, 2008. <i>Polar Biology</i> , 2011, 34, 1349-1360.	0.5	67
71	Abundance and biomass of mesozooplankton along north-south transects (165°E and 170°E) in the Chukchi Sea. <i>Plankton and Benthos Research</i> , 2010, 5, 123-130.	0.2	10
72	Vertical changes in abundance, biomass and community structure of copepods down to 3000m in the southern Bering Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2010, 57, 965-977.	0.6	13

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73	Oceanic Ecosystems Comparison Subarctic-Pacific (OECOS): West. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 1593-1594.	0.6	5
74	Population structure, egg production and gut content pigment of large grazing copepods during the spring phytoplankton bloom in the Oyashio region. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 1679-1690.	0.6	16
75	Diel and ontogenetic variations in vertical distributions of large grazing copepods during the spring phytoplankton bloom in the Oyashio region. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 1691-1702.	0.6	12
76	Population dynamics of the euphausiids <i>Euphausia pacifica</i> and <i>Thysanoessa inspinata</i> in the Oyashio region during the 2007 spring phytoplankton bloom. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 1727-1732.	0.6	7
77	Metabolism and elemental composition of the euphausiids <i>Euphausia pacifica</i> and <i>Thysanoessa inspinata</i> during the phytoplankton bloom season in the Oyashio region, western subarctic Pacific Ocean. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 1733-1741.	0.6	12
78	Causes of under- or overestimation of zooplankton biomass using Optical Plankton Counter (OPC): effect of size and taxa. Plankton and Benthos Research, 2009, 4, 154-159.	0.2	4
79	Abundance, biomass and life cycle patterns of euphausiids (<i>Euphausia pacifica</i> , <i>Thysanoessa inspinata</i>) Tj ETQq1 1 0.784314 rgBT /Over 2009, 4, 43-52.	0.2	23
80	Structure, biomass distribution and trophodynamics of the pelagic ecosystem in the Oyashio region, western subarctic Pacific. Journal of Oceanography, 2008, 64, 339-354.	0.7	44
81	Trophic interactions of macro-zooplankton (krill and amphipods) in the Marginal Ice Zone of the Barents Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2008, 55, 2266-2274.	0.6	68
82	Two forms of secreted and thermostable luciferases from the marine copepod crustacean, <i>Metridia pacifica</i> . Gene, 2008, 425, 28-35.	1.0	49
83	Abundance and community structure of chaetognaths from the epipelagic through abyssopelagic zones in the western North Pacific and its adjacent seas. Plankton and Benthos Research, 2007, 2, 184-197.	0.2	10
84	A novel yellowish-green fluorescent protein from the marine copepod, <i>Chiridius poppei</i> , and its use as a reporter protein in HeLa cells. Gene, 2006, 372, 18-25.	1.0	40
85	Chemical composition and energy content of deep-sea calanoid copepods in the Western North Pacific Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2006, 53, 1791-1809.	0.6	28
86	Lethality of increasing CO ₂ levels on deep-sea copepods in the western North Pacific. Journal of Oceanography, 2006, 62, 185-196.	0.7	53
87	Vertical distribution, population structure and lifecycle of <i>Eucalanus bungii</i> (Copepoda: Calanoida) in the Oyashio region, with notes on its regional variations. Marine Biology, 2005, 146, 497-511.	0.7	54
88	Descriptions of the copepodid stages of the mesopelagic copepod, <i>Gaetanus variabilis</i> (Brodsky, 1950) (Calanoida, Aetideidae) from the Japan Sea. Crustaceana, 2005, 78, 819-837.	0.1	1
89	Biomass and chemical composition of net-plankton down to greater depths (0–5800m) in the western North Pacific Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2005, 52, 341-353.	0.6	18
90	Latitudinal Differences in the Planktonic Biomass and Community Structure Down to the Greater Depths in the Western North Pacific. Journal of Oceanography, 2004, 60, 773-787.	0.7	49

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91	Spatial variability of iron in the surface water of the northwestern North Pacific Ocean. <i>Marine Chemistry</i> , 2004, 86, 139-157.	0.9	47
92	Community and trophic structures of pelagic copepods down to greater depths in the western subarctic Pacific (WEST-COSMIC). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2002, 49, 1007-1025.	0.6	114
93	Structure and size distribution of plankton communities down to the greater depths in the western North Pacific Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002, 49, 5513-5529.	0.6	60