Naomi Harada

List of Publications by Year
in descending order

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57 papers	1,204 citations	361413 20 h-index	414414 32 g-index
64 all docs	64 docs citations	64 times ranked	1793 citing authors

#	Article	IF	Citations
1	Enhanced role of eddies in the Arctic marine biological pump. Nature Communications, 2014, 5, 3950.	12.8	95
2	Characteristics of alkenones synthesized by a bloom of emiliania huxleyi in the Bering Sea. Geochimica Et Cosmochimica Acta, 2003, 67, 1507-1519.	3.9	92
3	Glacial reduction and millennial-scale variations in Drake Passage throughflow. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13496-13501.	7.1	86
4	Diazotroph community structure and the role of nitrogen fixation in the nitrogen cycle in the Chukchi Sea (western Arctic Ocean). Limnology and Oceanography, 2018, 63, 2191-2205.	3.1	79
5	Review: Potential catastrophic reduction of sea ice in the western Arctic Ocean: Its impact on biogeochemical cycles and marine ecosystems. Global and Planetary Change, 2016, 136, 1-17.	3.5	69
6	Widespread occurrence of distinct alkenones from Group I haptophytes in freshwater lakes: Implications for paleotemperature and paleoenvironmental reconstructions. Earth and Planetary Science Letters, 2018, 492, 239-250.	4.4	53
7	Abrupt changes of intermediate water properties on the northeastern slope of the Bering Sea during the last glacial and deglacial period. Paleoceanography, 2012, 27, .	3.0	50
8	Holocene sea surface temperature and sea ice extent in the Okhotsk and Bering Seas. Progress in Oceanography, 2014, 126, 242-253.	3.2	46
9	Northward and southward migrations of frontal zones during the past 40 kyr in the Kuroshio-Oyashio transition area. Geochemistry, Geophysics, Geosystems, 2004, 5, n/a-n/a.	2.5	43
10	Biological nitrogen fixation detected under Antarctic sea ice. Nature Geoscience, 2020, 13, 729-732.	12.9	43
11	Freshwater impacts recorded in tetraunsaturated alkenones and alkenone sea surface temperatures from the Okhotsk Sea across millennialâ€scale cycles. Paleoceanography, 2008, 23, .	3.0	39
12	Impacts of Temperature, CO2, and Salinity on Phytoplankton Community Composition in the Western Arctic Ocean. Frontiers in Marine Science, 2020, 6, .	2.5	38
13	Enhancement of coccolithophorid blooms in the Bering Sea by recent environmental changes. Global Biogeochemical Cycles, 2012, 26, .	4.9	33
14	Diatom flux reflects water-mass conditions on the southern Northwind Abyssal Plain, Arctic Ocean. Biogeosciences, 2015, 12, 1373-1385.	3.3	31
15	Response of N2O production rate to ocean acidification in the western North Pacific. Nature Climate Change, 2019, 9, 954-958.	18.8	31
16	Flux variations and vertical distributions of siliceous Rhizaria (Radiolaria and Phaeodaria) in the western Arctic Ocean: indices of environmental changes. Biogeosciences, 2015, 12, 2019-2046.	3.3	30
17	Seasonal changes in mesozooplankton swimmers collected by sediment trap moored at a single station on the Northwind Abyssal Plain in the western Arctic Ocean. Journal of Plankton Research, 2014, 36, 490-502.	1.8	29
18	Distribution of detrital minerals and sediment color in western Arctic Ocean and northern Bering Sea sediments: Changes in the provenance of western Arctic Ocean sediments since the last glacial period. Polar Science, 2016, 10, 519-531.	1.2	29

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19	Factors Regulating Nitrification in the Arctic Ocean: Potential Impact of Sea Ice Reduction and Ocean Acidification. Global Biogeochemical Cycles, 2019, 33, 1085-1099.	4.9	25
20	Wind-driven interannual variability of sea ice algal production in the western Arctic Chukchi Borderland. Biogeosciences, 2015, 12, 6147-6168.	3.3	23
21	Possible future scenarios in the gateways to the Arctic for Subarctic and Arctic marine systems: II. prey resources, food webs, fish, and fisheries. ICES Journal of Marine Science, 2021, 78, 3017-3045.	2.5	19
22	Change in coccolith size and morphology due to response to temperature and salinity in coccolithophore <i>Emiliania huxleyi</i> (Haptophyta) isolated from the Bering and Chukchi seas. Biogeosciences, 2016, 13, 2743-2755.	3.3	18
23	Phaeodaria: An Important Carrier of Particulate Organic Carbon in the Mesopelagic Twilight Zone of the North Pacific Ocean. Global Biogeochemical Cycles, 2019, 33, 1146-1160.	4.9	15
24	Biogeochemical Anatomy of a Cyclonic Warmâ€Core Eddy in the Arctic Ocean. Geophysical Research Letters, 2018, 45, 11,284.	4.0	12
25	Year-round observations of sea-ice drift and near-inertial internal waves in the Northwind Abyssal Plain, Arctic Ocean. Polar Science, 2019, 21, 212-223.	1.2	12
26	Seasonal changes in the population structure of dominant planktonic copepods collected using a sediment trap moored in the western Arctic Ocean. Journal of Natural History, 2015, 49, 2711-2726.	0.5	11
27	Distribution and vertical fluxes of silicoflagellates, ebridians, and the endoskeletal dinoflagellate Actiniscus in the western Arctic Ocean. Polar Biology, 2016, 39, 327-341.	1.2	10
28	Eukaryotic Phytoplankton Contributing to a Seasonal Bloom and Carbon Export Revealed by Tracking Sequence Variants in the Western North Pacific. Frontiers in Microbiology, 2019, 10, 2722.	3.5	10
29	Seasonal phenology of four dominant copepods in the Pacific sector of the Arctic Ocean: Insights from statistical analyses of sediment trap data. Polar Science, 2019, 19, 94-111.	1.2	10
30	Do Strong Winds Impact Water Mass, Nutrient, and Phytoplankton Distributions in the Iceâ€Free Canada Basin in the Fall?. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015428.	2.6	10
31	A DNA metabarcoding approach for recovering plankton communities from archived samples fixed in formalin. PLoS ONE, 2021, 16, e0245936.	2.5	10
32	Two new living Entactinaria (Radiolaria) species from the Arctic province: Joergensenium arcticum n. sp. and Joergensenium clevei n. sp.. Marine Micropaleontology, 2016, 124, 75-94.	1.2	8
33	Investigating Algal Communities in Lacustrine and Hydro-Terrestrial Environments of East Antarctica Using Deep Amplicon Sequencing. Microorganisms, 2020, 8, 497.	3.6	8
34	²³⁰Th-normalized fluxes of biogenic components from the central and southernmost Chilean margin over the past 22,000 years. Geochemical Journal, 2013, 47, 119-135.	1.0	7
35	High time-resolution alkenone paleotemperature variations in Tokyo Bay during the Meghalayan: Implications for cold climates and social unrest in Japan. Quaternary Science Reviews, 2020, 230, 106160.	3.0	7
36	A novel characteristic of a phytoplankton as a potential source of straight-chain alkanes. Scientific Reports, 2021, 11, 14190.	3.3	7

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37	Melting history of the Patagonian Ice Sheet during Termination I inferred from marine sediments. Geochemical Journal, 2013, 47, 107-117.	1.0	6
38	Major and minor elemental compositions of streambed biofilms and its implications of riverine biogeochemical cycles. Environmental Pollution, 2018, 243, 308-317.	7.5	6
39	Horizontal and vertical distribution of polycystine radiolarians in the western Arctic Ocean during the late summers of 2013 and 2015. Polar Biology, 2019, 42, 285-305.	1.2	6
40	Aleutian Low variability for the last 7500 years and its relation to the Westerly Jet. Quaternary Research, 2022, 108, 161-179.	1.7	6
41	Assimilation and oxidation of ureaâ€derived nitrogen in the summer Arctic Ocean. Limnology and Oceanography, 2021, 66, 4159-4170.	3.1	6
42	The Warming of the Chukchi Slope Through the Barrow Canyon Outflow in the 2016â€“2017 Winter. Journal of Geophysical Research: Oceans, 2019, 124, 7437-7456.	2.6	4
43	Ocean mixing processes (OMIX): impact on biogeochemistry, climate and ecosystem. Journal of Oceanography, 2021, 77, 1-1.	1.7	4
44	Genomic and geochemical identification of the long-chain alkenone producers in the estuarine Lake Takahoko, Japan: Implications for temperature reconstructions. Organic Geochemistry, 2020, 142, 103980.	1.8	3
45	Constraints on the thermal history of the Allende (CV3) meteorite by gradual and stepwise pyrolyses of insoluble organic matter. Geochemical Journal, 2020, 54, 255-265.	1.0	3
46	Interannual Variation of Settling Particles Reflects Upperâ€Ocean Circulation in the Southern Chukchi Borderland, 2010â€2014. Journal of Geophysical Research: Oceans, 2021, 126, .	2.6	3
47	Regional comparison of seasonal changes on copepod community structure in the Arctic Ocean. Polar Science, 2020, 24, 100509.	1.2	2
48	Triparma laevis f. marchantii f. nov. (Bolidophyceae) from the Southern Ocean, and comparison with other infraspecific taxa of T. laevis. Phycologia, 2021, 60, 180-187.	1.4	2
49	Diversity within the Triparma strigataâ€“Triparma verrucosa group (Bolidophyceae), including five new taxa from polarâ€“subpolar regions. Phycologia, 2021, 60, 215-224.	1.4	2
50	Basic physical properties of sediment cores collected in the Chilean marginal area and Magellan Strait during leg.3 of cruise MR03-K04.. JAMSTEC Report of Research and Development, 2005, 2, 13-27.	0.2	2
51	Phytoplankton blooms in summer and autumn in the northwestern subarctic Pacific detected by the mooring and float systems. Journal of Oceanography, 2022, 78, 63-72.	1.7	2
52	New evaluation of speciesâ€specific biogenic silica flux of radiolarians (Rhizaria) in the western Arctic Ocean using microfocus Xâ€ray computed tomography. Limnology and Oceanography, 2021, 66, 3901-3915.	3.1	1
53	Biogeochemical characteristics of the Fujimae tidal flat sediments indicated by vertical distribution of elements, stable isotope ratios of carbon and nitrogen, and five types of phosphorus fractions. Japanese Journal of Limnology, 2016, 77, 293-303.	0.1	1
54	Reply to: Questioning High Nitrogen Fixation Rate Measurements in the Southern Ocean. Nature Geoscience, 2022, 15, 31-32.	12.9	1

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55	Preface: Geoscience dynamics in the Patagonia Archipelago^|^mdash;Southern Pacific Ocean. Geochemical Journal, 2013, 47, 93-95.	1.0	0
56	A specific combination of dual index adaptors decreases the sensitivity of amplicon sequencing with the Illumina platform. DNA Research, 2020, 27, .	3.4	0
57	From the Perspective of Marine Ecosystem Conservation. Trends in the Sciences, 2021, 26, 1_35-1_41.	0.0	0