

Masahide Wakita

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,161
citations

430874

18
h-index

434195

31
g-index

61
all docs

61
docs citations

61
times ranked

1409
citing authors

#	ARTICLE	IF	CITATIONS
1	Risk maps for Antarctic krill under projected Southern Ocean acidification. <i>Nature Climate Change</i> , 2013, 3, 843-847.	18.8	153
2	Will krill fare well under Southern Ocean acidification?. <i>Biology Letters</i> , 2011, 7, 288-291.	2.3	87
3	Probability of a reduction in the formation rate of the subsurface water in the North Pacific during the 1980s and 1990s. <i>Geophysical Research Letters</i> , 2001, 28, 3289-3292.	4.0	75
4	Synchronous bidecadal periodic changes of oxygen, phosphate and temperature between the Japan Sea deep water and the North Pacific intermediate water. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	63
5	Seasonal cycle of phytoplankton community structure and photophysiological state in the western subarctic gyre of the North Pacific. <i>Limnology and Oceanography</i> , 2014, 59, 887-900.	3.1	53
6	Decadal change of dissolved inorganic carbon in the subarctic western North Pacific Ocean. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 62, 608.	1.6	48
7	Seasonal variability of primary production and phytoplankton biomass in the western Pacific subarctic gyre: Control by light availability within the mixed layer. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 6523-6534.	2.6	48
8	Ocean acidification from 1997 to 2011 in the subarctic western North Pacific Ocean. <i>Biogeosciences</i> , 2013, 10, 7817-7827.	3.3	38
9	Comparison of sinking particles in the upper 200m between subarctic station K2 and subtropical station S1 based on drifting sediment trap experiments. <i>Journal of Oceanography</i> , 2016, 72, 373-386.	1.7	33
10	Response of N ₂ O production rate to ocean acidification in the western North Pacific. <i>Nature Climate Change</i> , 2019, 9, 954-958.	18.8	31
11	Comparison of carbon cycle between the western Pacific subarctic and subtropical time-series stations: highlights of the K2S1 project. <i>Journal of Oceanography</i> , 2017, 73, 647-667.	1.7	30
12	Sedimentary organic matter contents and porewater chemistry at upper bathyal depths influenced by the 2011 off the Pacific coast of Tohoku Earthquake and tsunami. <i>Journal of Oceanography</i> , 2016, 72, 99-111.	1.7	28
13	Hadal water biogeochemistry over the Izu-Ogasawara Trench observed with a full-depth CTD-CMS. <i>Ocean Science</i> , 2018, 14, 575-588.	3.4	28
14	Seasonal variability of phytoplankton community structure in the subtropical western North Pacific. <i>Journal of Oceanography</i> , 2016, 72, 343-358.	1.7	27
15	Biological organic carbon export estimated from the annual carbon budget observed in the surface waters of the western subarctic and subtropical North Pacific Ocean from 2004 to 2013. <i>Journal of Oceanography</i> , 2016, 72, 665-685.	1.7	26
16	Oceanic uptake rate of anthropogenic CO ₂ in a subpolar marginal sea: The Sea of Okhotsk. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	25
17	Long-term monitoring of bottom environments of the continental slope off Otsuchi Bay, northeastern Japan. <i>Journal of Oceanography</i> , 2016, 72, 151-166.	1.7	24
18	Temporal Change of Dissolved Inorganic Carbon in the Subsurface Water at Station KNOT (44°N, 155°E) in the Western North Pacific Subpolar Region. <i>Journal of Oceanography</i> , 2005, 61, 129-139.	1.7	23

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19	Slow acidification of the winter mixed layer in the subarctic western North Pacific. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 6923-6935.	2.6	22
20	Time-series observation of dissolved inorganic carbon and nutrients in the northwestern North Pacific. <i>Journal of Oceanography</i> , 2007, 63, 967-982.	1.7	21
21	Impacts of the wintertime mesozooplankton community to downward carbon flux in the subarctic and subtropical Pacific Oceans. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2013, 81, 78-88.	1.4	21
22	Coupled 1-D physical-biological model study of phytoplankton production at two contrasting time-series stations in the western North Pacific. <i>Journal of Oceanography</i> , 2016, 72, 509-526.	1.7	18
23	POC fluxes estimated from ^{234}Th in late spring-early summer in the western subarctic North Pacific. <i>Journal of Oceanography</i> , 2015, 71, 311-324.	1.7	15
24	Seasonal variations in the nitrogen isotopic composition of settling particles at station K2 in the western subarctic North Pacific. <i>Journal of Oceanography</i> , 2016, 72, 819-836.	1.7	15
25	Impact of CO_2 on the elemental composition of the particulate and dissolved organic matter of marine diatoms emerged after nitrate depletion. <i>Limnology and Oceanography</i> , 2018, 63, 1924-1943.	3.1	15
26	Rapid Reduction of pH and CaCO_3 Saturation State in the Tsugaru Strait by the Intensified Tsugaru Warm Current During 2012-2019. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091332.	4.0	15
27	Phylogeography of the pelagic snail <i>Limacina helicina</i> (Gastropoda: Thecosomata) in the subarctic western North Pacific. <i>Journal of Molluscan Studies</i> , 2018, 84, 30-37.	1.2	14
28	Dichothermal layer deepening in relation with halocline depth change associated with northward shrinkage of North Pacific western subarctic gyre in early 2000s. <i>Ocean Dynamics</i> , 2016, 66, 163-172.	2.2	13
29	Insight into nitrous oxide production processes in the western North Pacific based on a marine ecosystem isotopomer model. <i>Journal of Oceanography</i> , 2016, 72, 491-508.	1.7	13
30	El Niño-related sea surface elevation and ocean bottom pressure enhancement associated with the retreat of the Oyashio southeast of Hokkaido, Japan. <i>Marine Geophysical Researches</i> , 2019, 40, 505-512.	1.2	10
31	Continuous Monitoring and Future Projection of Ocean Warming, Acidification, and Deoxygenation on the Subarctic Coast of Hokkaido, Japan. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	10
32	Preliminary result of dissolved organic radiocarbon in the western North Pacific Ocean. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2010, 268, 1219-1221.	1.4	9
33	Basin-scale distribution of NH_4^+ and NO_2^- in the Pacific Ocean. <i>Journal of Oceanography</i> , 2018, 74, 1-11.	1.7	9
34	Balancing organic carbon supply and consumption in the ocean's interior: Evidence from repeated biogeochemical observations conducted in the subarctic and subtropical western North Pacific. <i>Limnology and Oceanography</i> , 2018, 63, 2015-2027.	3.1	9
35	Seasonal and Interannual Variations in Nitrogen Availability and Particle Export in the Northwestern North Pacific Subtropical Gyre. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015600.	2.6	9
36	An Expanded Batch-to-Batch Correction for IAPSO Standard Seawater. <i>Journal of Atmospheric and Oceanic Technology</i> , 2020, 37, 1507-1520.	1.3	9

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37	Wind-driven decadal sea surface height and main pycnocline depth changes in the western subarctic North Pacific. <i>Progress in Earth and Planetary Science</i> , 2019, 6, .	3.0	9
38	Long-term Trends of Direct and Indirect Anthropogenic Effects on Changes in Ocean pH. <i>Geophysical Research Letters</i> , 2018, 45, 9106-9113.	4.0	8
39	Water exchange between the Bering Sea and the Pacific Ocean through the Kamchatka Strait. <i>Russian Meteorology and Hydrology</i> , 2010, 35, 218-224.	1.3	7
40	Sinking dynamics of particulate matter in the subarctic and subtropical regions of the western North Pacific. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2019, 144, 17-27.	1.4	7
41	The Role of an Intense Jet in the Tsugaru Strait in the Formation of the Outflow Gyre Revealed Using High-frequency Radar Data. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092909.	4.0	7
42	Distribution and photo-physiological condition of phytoplankton in the tropical and subtropical North Pacific. <i>Journal of Oceanography</i> , 2013, 69, 35-43.	1.7	6
43	Time-series observations of photosynthetic oxygen production in the subtropical western North Pacific by an underwater profiling buoy system. <i>Limnology and Oceanography</i> , 2020, 65, 1072-1084.	3.1	6
44	Ventilation revealed by the observation of dissolved oxygen concentration south of the Kuroshio Extension during 2012-2013. <i>Journal of Oceanography</i> , 2016, 72, 837-850.	1.7	5
45	Seasonal pathways of the Tsugaru Warm Current revealed by high-frequency ocean radars. <i>Journal of Oceanography</i> , 2022, 78, 103-119.	1.7	5
46	El Niño-Related Vertical Mixing Enhancement Under the Winter Mixed Layer at Western Subarctic North Pacific Station K2. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016913.	2.6	3
47	Long-term monitoring of seafloor environments, off Otsuchi and Kamaishi, Iwate, Japan. <i>Nippon Suisan Gakkaishi</i> , 2018, 84, 889-892.	0.1	2
48	Current situation and future perspective for environmental standards of seawater: commencing with Certified Reference Materials (CRMs) for nutrients of distributing nutrients. <i>Oceanography in Japan</i> , 2020, 29, 153-187.	0.5	2
49	Inhibition of primary production by nitrile rubber O-rings in Niskin sampler. <i>JAMSTEC Report of Research and Development</i> , 2012, 14, 17-25.	0.2	1
50	Current condition of artificial reefs deduced by acoustic data and ROV dives off Otsuchi Bay. <i>Nippon Suisan Gakkaishi</i> , 2018, 84, 893-896.	0.1	1
51	Deployment of Drifting Buoys with pCO ₂ Sensors in the Pacific Ocean. , 2018, , .		0
52	A Total Station Plan Combined with $\delta^{13}C/V$ Chikyu and DONET: Simultaneous Observation from Seafloor to Atmosphere. , 2018, , .		0