

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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	Long-term monitoring of seafloor environments, off Otsuchi and Kamaishi, Iwate, Japan. <i>Nippon Suisan Gakkaishi</i> , 2018, 84, 889-892.	0.1	2

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19	Deployment of Drifting Buoys with pCO ₂ Sensors in the Pacific Ocean. , 2018, , .		0
20	A Total Station Plan Combined with $\delta^{13}C/V$ Chikyu $\delta^{13}C$ and DONET: Simultaneous Observation from Seafloor to Atmosphere. , 2018, , .		0
21	Hadal water biogeochemistry over the Izu $\delta^{13}C$ Ogasawara Trench observed with a full-depth CTD-CMS. Ocean Science, 2018, 14, 575-588.	3.4	28
22	Long $\delta^{13}C$ Term Trends of Direct and Indirect Anthropogenic Effects on Changes in Ocean pH. Geophysical Research Letters, 2018, 45, 9106-9113.	4.0	8
23	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. Limnology and Oceanography, 2018, 63, 2015-2027.	3.1	9
24	Current condition of artificial reefs deduced by acoustic data and ROV dives off Otsuchi Bay. Nippon Suisan Gakkaishi, 2018, 84, 893-896.	0.1	1
25	Comparison of carbon cycle between the western Pacific subarctic and subtropical time-series stations: highlights of the K2S1 project. Journal of Oceanography, 2017, 73, 647-667.	1.7	30
26	Slow acidification of the winter mixed layer in the subarctic western $\delta^{13}C$ orth $\delta^{13}C$ P $\delta^{13}C$ acific. Journal of Geophysical Research: Oceans, 2017, 122, 6923-6935.	2.6	22
27	Ventilation revealed by the observation of dissolved oxygen concentration south of the Kuroshio Extension during 2012 $\delta^{13}C$ 2013. Journal of Oceanography, 2016, 72, 837-850.	1.7	5
28	Sedimentary organic matter contents and porewater chemistry at upper bathyal depths influenced by the 2011 off the Pacific coast of Tohoku Earthquake and tsunami. Journal of Oceanography, 2016, 72, 99-111.	1.7	28
29	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. Journal of Oceanography, 2016, 72, 665-685.	1.7	26
30	Seasonal variations in the nitrogen isotopic composition of settling particles at station K2 in the western subarctic North Pacific. Journal of Oceanography, 2016, 72, 819-836.	1.7	15
31	Long-term monitoring of bottom environments of the continental slope off Otsuchi Bay, northeastern Japan. Journal of Oceanography, 2016, 72, 151-166.	1.7	24
32	Dichothermal layer deepening in relation with halocline depth change associated with northward shrinkage of North Pacific western subarctic gyre in early 2000s. Ocean Dynamics, 2016, 66, 163-172.	2.2	13
33	Coupled 1-D physical $\delta^{13}C$ biological model study of phytoplankton production at two contrasting time-series stations in the western North Pacific. Journal of Oceanography, 2016, 72, 509-526.	1.7	18
34	Seasonal variability of phytoplankton community structure in the subtropical western North Pacific. Journal of Oceanography, 2016, 72, 343-358.	1.7	27
35	Insight into nitrous oxide production processes in the western North Pacific based on a marine ecosystem isotopomer model. Journal of Oceanography, 2016, 72, 491-508.	1.7	13
36	Comparison of sinking particles in the upper 200 $\delta^{13}C$ m between subarctic station K2 and subtropical station S1 based on drifting sediment trap experiments. Journal of Oceanography, 2016, 72, 373-386.	1.7	33

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37	POC fluxes estimated from ^{234}Th in late spring to early summer in the western subarctic North Pacific. <i>Journal of Oceanography</i> , 2015, 71, 311-324.	1.7	15
38	Seasonal variability of primary production and phytoplankton biomass in the western subarctic gyre: Control by light availability within the mixed layer. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 6523-6534.	2.6	48
39	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
40	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
41	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
42	Risk maps for Antarctic krill under projected Southern Ocean acidification. <i>Nature Climate Change</i> , 2013, 3, 843-847.	18.8	153
43	Ocean acidification from 1997 to 2011 in the subarctic western North Pacific Ocean. <i>Biogeosciences</i> , 2013, 10, 7817-7827.	3.3	38
44	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
45	Will krill fare well under Southern Ocean acidification?. <i>Biology Letters</i> , 2011, 7, 288-291.	2.3	87
46	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
47	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
48	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
49	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
50	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
51	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
52	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