Hisayuki Yoshikawa-Inoue

List of Publications by Year
in descending order

52 papers	3,488 citations	218677 26 h-index	161849 54 g-index
54 all docs	54 docs citations	54 times ranked	4159 citing authors

#	Article	IF	Citations
1	Climatological mean and decadal change in surface ocean pCO2, and net seaâ€“air CO2 flux over the global oceans. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 554-577.	1.4	1,540
2	Seasonal and interannual variability of CO2 in the equatorial Pacific. Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 2443-2469.	1.4	176
3	Pacific warm pool and divergence: temporal and zonal variations on the equator and their effects on the biological pump. Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 2471-2512.	1.4	106
4	The international at-sea intercomparison of fCO2 systems during the R/V Meteor Cruise 36/1 in the North Atlantic Ocean. Marine Chemistry, 2000, 72, 171-192.	2.3	69
5	Close coupling between seasonal biological production and dynamics of dissolved inorganic carbon in the Indian Ocean sector and the western Pacific Ocean sector of the Antarctic Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 1998, 45, 1187-1209.	1.4	68
6	Measurements of atmospheric CO2 and CH4 using a commercial airliner from 1993 to 1994. Atmospheric Environment, 1996, 30, 1647-1655.	4.1	67
7	The effect of sea-ice growth on airâ€“sea CO2 flux in a tank experiment. Tellus, Series B: Chemical and Physical Meteorology, 2006, 58, 418-426.	1.6	67
8	Ocean acidification off the south coast of Japan: A result from time series observations of CO₂parameters from 1994 to 2008. Journal of Geophysical Research, 2011, 116, .	3.3	61
9	Effects of snow, snowmelting and refreezing processes on airâ€“sea-ice CO₂ flux. Journal of Glaciology, 2010, 56, 262-270.	2.2	57
10	Spatial variability and decadal trend of the oceanic CO2 in the western equatorial Pacific warm/fresh water. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 591-606.	1.4	53
11	Changes in longitudinal distribution of the partial pressure of CO2(pCO2) in the central and western equatorial Pacific, west of 160Â°W. Geophysical Research Letters, 1996, 23, 1781-1784.	4.0	49
12	Aircraft measurements of trace gases between Japan and Singapore in October of 1993, 1996, and 1997. Geophysical Research Letters, 1999, 26, 2413-2416.	4.0	46
13	Carbon monoxide in the upper troposphere over the western Pacific between 1993 and 1996. Journal of Geophysical Research, 1998, 103, 19093-19110.	3.3	44
14	Seasonal variation in total inorganic carbon and its controlling processes in surface waters of the western North Pacific subtropical gyre. Marine Chemistry, 2001, 75, 17-32.	2.3	44
15	Tropospheric carbon monoxide and hydrogen measurements over Kalimantan in Indonesia and northern Australia during October, 1997. Geophysical Research Letters, 1999, 26, 1389-1392.	4.0	42
16	Net community production in the marginal ice zone and its importance for the variability of the oceanic pCO2 in the Southern Ocean south of Australia. Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 1691-1706.	1.4	40
17	and monitoring at MRI, Tsukuba and its importance. Journal of Environmental Radioactivity, 2000, 48, 191-202.	1.7	36
18	Decreasing pH trend estimated from 35-year time series of carbonate parameters in the Pacific sector of the Southern Ocean in summer. Deep-Sea Research Part I: Oceanographic Research Papers, 2012, 61, 131-139.	1.4	36

#	Article	IF	Citations
19	Temporal and spatial variations of oceanic pCO2 and airâ€“sea CO2 flux in the Greenland Sea and the Barents Sea. Tellus, Series B: Chemical and Physical Meteorology, 2006, 58, 148-161.	1.6	35
20	High-resolution observations of dissolved isoprene in surface seawater in the Southern Ocean during austral summer 2010â€“2011. Journal of Oceanography, 2014, 70, 225-239.	1.7	35
21	Equilibrium and kinetic nitrogen and oxygen isotope fractionations between dissolved and gaseous N2O. Chemical Geology, 1994, 113, 135-148.	3.3	31
22	Large injection of carbon monoxide into the upper troposphere due to intense biomass burning in 1997. Journal of Geophysical Research, 1999, 104, 26867-26879.	3.3	31
23	Persistently strong oceanic CO2sink in the western subtropical North Pacific. Geophysical Research Letters, 2005, 32, .	4.0	31
24	Interannual variability of winter oceanic CO2and air-sea CO2flux in the western North Pacific for 2 decades. Journal of Geophysical Research, 2006, 111, .	3.3	31
25	Variations and trends of CO2 in the surface seawater in the Southern Ocean south of Australia between 1969 and 2002. Tellus, Series B: Chemical and Physical Meteorology, 2005, 57, 58-69.	1.6	24
26	Sources of atmospheric black carbon and related carbonaceous components at Rishiri Island, Japan: The roles of Siberian wildfires and of crop residue burning in China. Environmental Pollution, 2019, 247, 55-63.	7.5	22
27	Distributions and variations in the partial pressure of CO2 in surface waters (pCO2w) of the central and western equatorial Pacific during the 1997/1998 El NiÃ±o event. Marine Chemistry, 2001, 76, 59-75.	2.3	21
28	Transport of chemical components in sea ice and under-ice water during melting in the seasonally ice-covered Saroma-ko Lagoon, Hokkaido, Japan. Estuarine, Coastal and Shelf Science, 2009, 81, 201-209.	2.1	20
29	Long-range transport of carbon monoxide from tropical ground to upper troposphere: a case study for South East Asia in October 1997. Tellus, Series B: Chemical and Physical Meteorology, 2002, 54, 22-40.	1.6	18
30	Methane in the western part of the Sea of Okhotsk in 1998â€“2000. Journal of Geophysical Research, 2004, 109, .	3.3	16
31	Seasonal and interannual variability of oceanic carbon cycling in the western and central tropical-subtropical pacific: A physical-biogeochemical modeling study. Journal of Oceanography, 2009, 65, 689-701.	1.7	15
32	Recent deceleration of oceanic pCO₂ increase in the western North Pacific in winter. Geophysical Research Letters, 2012, 39, .	4.0	15
33	Origin of the water-soluble organic nitrogen in the maritime aerosol. Atmospheric Environment, 2017, 167, 97-103.	4.1	14
34	Seasonal and Long-Term Variations in Atmospheric CO2 and 85Kr in Tsukuba, Central Japan. Journal of the Meteorological Society of Japan, 2006, 84, 959-968.	1.8	14
35	Atmospheric methane over the North Pacific from 1987 to 1993.. Geochemical Journal, 1996, 30, 1-15.	1.0	13
36	Influence of Asian outflow on Rishiri Island, northernmost Japan: Application of radon as a tracer for characterizing fetch regions and evaluating a global 3D model. Atmospheric Environment, 2012, 50, 174-181.	4.1	13

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37	Strong relationship between dimethyl sulfide and net community production in the western subarctic Pacific. Geophysical Research Letters, 2013, 40, 3986-3990.	4.0	13
38	Dissolved methane distribution in the South Pacific and the Southern Ocean in austral summer. Journal of Geophysical Research, 2011, 116, .	3.3	12
39	Spatial distribution of dissolved methane and its source in the western Arctic Ocean. Journal of Oceanography, 2018, 74, 305-317.	1.7	12
40	Seasonal Changes in Oceanic pCO2in the Oyashio Region from Winter to Spring. Journal of Oceanography, 2003, 59, 871-882.	1.7	11
41	Distribution and Production Mechanisms of N₂O in the Western Arctic Ocean. Global Biogeochemical Cycles, 2021, 35, e2020GB006881.	4.9	11
42	Ocean Acidification From Below in the Tropical Pacific. Global Biogeochemical Cycles, 2020, 34, e2019GB006368.	4.9	9
43	Effects of phytoplankton community composition and productivity on sea surface pCO2 variations in the Southern Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2020, 160, 103263.	1.4	8
44	Seven years of observational atmospheric CO2 at a maritime site in northernmost Japan and its implications. Science of the Total Environment, 2015, 524-525, 331-337.	8.0	7
45	Temporal variations in black carbon recorded on Rishiri Island, northern Japan. Geochemical Journal, 2015, 49, 283-294.	1.0	7
46	Distribution of the partial pressure of CO2 in surface water (pCO2w) between Japan and the Hawaiian Islands: pCO2w-SST relationship in the winter and summer. Tellus, Series B: Chemical and Physical Meteorology, 2003, 55, 456-465.	1.6	6
47	Variations of oceanic pCO₂ and airâ€sea CO₂ flux in the eastern Indian sector of the Southern Ocean for the austral summer of 2001â€“2002. Geophysical Research Letters, 2009, 36, .	4.0	6
48	Estimates of methane emissions from the Southern Ocean from quasi-continuous underway measurements of the partial pressure of methane in surface seawater during the 2012/13 austral summer. Tellus, Series B: Chemical and Physical Meteorology, 2022, 70, 1478594.	1.6	6
49	Low <i>p</i>CO₂ under sea-ice melt in the Canada Basin of the western Arctic Ocean. Biogeosciences, 2017, 14, 5727-5739.	3.3	5
50	Ecosystem respiration derived from 222Rn measurements on Rishiri Island, Japan. Biogeochemistry, 2013, 115, 185-194.	3.5	4
51	Ozone depletion in the interstitial air of the seasonal snowpack in northern Japan. Tellus, Series B: Chemical and Physical Meteorology, 2022, 67, 24934.	1.6	4
52	Influence of warm-core eddy on dissolved methane distributions in the southwestern Canada basin during late summer/early fall 2015. Polar Science, 2019, 22, 100481.	1.2	3