Masami Nonaka

List of Publications by Year
in descending order

79 papers	3,129 citations	218677 26 h-index	175258 52 g-index
86 all docs	86 docs citations	86 times ranked	1988 citing authors

#	Article	IF	Citations
1	A striking early-summer event of a convective rainband persistent along the warm Kuroshio in the East China Sea. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 64, 18962.	1.7	41
2	Interannual Variations of Submesoscale Circulations in the Subtropical Northeastern Pacific. Geophysical Research Letters, 2022, 49, .	4.0	5
3	Kuroshio-Enhanced Convective Rainband Associated with an Extratropical Cyclone in the Cold Season. Journal of the Meteorological Society of Japan, 2021, 99, 899-912.	1.8	3
4	Impacts of strong warm ocean currents on development of extratropical cyclones through the warm and cold conveyor belts: A review. , 2021, , 267-293.		4
5	Improving Predictions of Surface Air Temperature Anomalies over Japan by the Selective Ensemble Mean Technique. Weather and Forecasting, 2021, 36, 207-217.	1.4	5
6	Rapid water parcel transport across the Kuroshio Extension in the lower thermocline from dissolved oxygen measurements by Seaglider. Progress in Earth and Planetary Science, 2021, 8, .	3.0	3
7	On the statistics of the zonal jets in the eastern equatorial Pacific and eastern North Pacific in an ensemble of eddy-resolving ocean general circulation model runs. Ocean Modelling, 2021, 159, 101761.	2.4	2
8	Potential Predictability of the Tropical Cyclone Frequency Over the Western North Pacific With 50â€km AGCM Ensemble Experiments. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034206.	3.3	2
9	Winter surface air temperature prediction over Japan using artificial neural networks. Weather and Forecasting, 2021, , .	1.4	4
10	Impacts of Salinity Variation on the Mixedâ€Layer Processes and Sea Surface Temperature in the Kuroshioâ€Oyashio Confluence Region. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016914.	2.6	7
11	Oceanic moisture sources contributing to wintertime Euro-Atlantic blocking. Weather and Climate Dynamics, 2021, 2, 819-840.	3.5	4
12	Climate Precursors of Satellite Water Marker Index for Spring Cholera Outbreak in Northern Bay of Bengal Coastal Regions. International Journal of Environmental Research and Public Health, 2021, 18, 10201.	2.6	0
13	Formation Mechanism of Warm SST Anomalies in 2010s Around Hawaii. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017763.	2.6	6
14	Sea Surface Temperatureâ€“Salinity Covariability and Its Scaleâ€Dependent Characteristics. Geophysical Research Letters, 2021, 48, .	4.0	1
15	Atmospheric-Driven and Intrinsic Interannual-to-Decadal Variability in the Kuroshio Extension Jet and Eddy Activities. Frontiers in Marine Science, 2020, 7, .	2.5	15
16	Interannual to Decadal Variations of Submesoscale Motions around the North Pacific Subtropical Countercurrent. Fluids, 2020, 5, 116.	1.7	6
17	Skill Assessment of Seasonal-to-Interannual Prediction of Sea Level Anomaly in the North Pacific Based on the SINTEX-F Climate Model. Frontiers in Marine Science, 2020, 7, .	2.5	9
18	Long-lead Prediction of ENSO Modoki Index using Machine Learning algorithms. Scientific Reports, 2020, 10, 365.	3.3	28

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19	Mechanisms of Longâ€Term Variability and Recent Trend of Salinity Along 137Â°E. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015290.	2.6	5
20	A global eddying hindcast ocean simulation with OFES2. Geoscientific Model Development, 2020, 13, 3319-3336.	3.6	22
21	Significant Impact of Heat Supply From the Gulf Stream on a â€œSuperbombâ€•Cyclone in January 2018. Geophysical Research Letters, 2019, 46, 7718-7725.	4.0	18
22	Improving seasonal forecasts of air temperature using a genetic algorithm. Scientific Reports, 2019, 9, 12781.	3.3	9
23	Key Role of the Kuroshio Current in the Formation of Frontal Structure of an Extratropical Cyclone Associated with Heavy Precipitation. Journal of Geophysical Research D: Atmospheres, 2019, 124, 6143-6156.	3.3	7
24	Impacts of sea-surface salinity in an eddy-resolving semi-global OGCM. Ocean Modelling, 2018, 122, 36-56.	2.4	11
25	An Increase of the Indonesian Throughflow by Internal Tidal Mixing in a Highâ€Resolution Quasiâ€Global Ocean Simulation. Geophysical Research Letters, 2018, 45, 8416-8424.	4.0	22
26	Malaria incidences in South Africa linked to a climate mode in southwestern Indian Ocean. Environmental Development, 2018, 27, 47-57.	4.1	11
27	Decadal Variability of Upper-Ocean Heat Content Associated with Meridional Shifts of Western Boundary Current Extensions in the North Pacific. Journal of Climate, 2017, 30, 6247-6264.	3.2	12
28	AIRâ€“SEA INTERACTION OVER THE WESTERN BOUNDARY CURRENTS IN THE WESTERN NORTH PACIFIC. World Scientific Series on Asia-Pacific Weather and Climate, 2016, , 187-211.	0.2	6
29	Bottom pressure variability in the Kuroshio Extension driven by the atmosphere and ocean instabilities. Journal of Geophysical Research: Oceans, 2016, 121, 6507-6519.	2.6	8
30	How potentially predictable are midlatitude ocean currents?. Scientific Reports, 2016, 6, 20153.	3.3	42
31	Contribution of sea-surface wind curl to the maintenance of the SST gradient along the upstream Kuroshio Extension in early summer. Journal of Oceanography, 2016, 72, 697-705.	1.7	3
32	Dynamics of the Atlantic meridional overturning circulation and Southern Ocean in an ocean model of intermediate complexity. Progress in Oceanography, 2016, 143, 46-81.	3.2	6
33	Oceanic fronts and jets around Japan: a review. , 2016, , 1-30.		7
34	Impact of downward heat penetration below the shallow seasonal thermocline on the sea surface temperature. , 2016, , 73-89.		3
35	Early summertime interannual variability in surface and subsurface temperature in the North Pacific. , 2016, , 91-107.		1
36	Early summertime interannual variability in surface and subsurface temperature in the North Pacific. Journal of Oceanography, 2015, 71, 557-573.	1.7	5

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37	â€œHot Spotsâ€•in the climate systemâ€”new developments in the extratropical oceanâ€“atmosphere interaction research: a short review and an introduction. Journal of Oceanography, 2015, 71, 463-467.	1.7	20
38	Impact of downward heat penetration below the shallow seasonal thermocline on the sea surface temperature. Journal of Oceanography, 2015, 71, 541-556.	1.7	10
39	Oceanic fronts and jets around Japan: a review. Journal of Oceanography, 2015, 71, 469-497.	1.7	92
40	Multidecadal modulations of the lowâ€frequency climate variability in the wintertime North Pacific since 1950. Geophysical Research Letters, 2014, 41, 2948-2955.	4.0	16
41	Seasonal Evolutions of Atmospheric Response to Decadal SST Anomalies in the North Pacific Subarctic Frontal Zone: Observations and a Coupled Model Simulation. Journal of Climate, 2012, 25, 111-139.	3.2	147
42	Potential Predictability of Interannual Variability in the Kuroshio Extension Jet Speed in an Eddy-Resolving OGCM. Journal of Climate, 2012, 25, 3645-3652.	3.2	28
43	Deep oceanic zonal jets constrained by fineâ€scale wind stress curls in the South Pacific Ocean: A highâ€resolution coupled GCM study. Geophysical Research Letters, 2012, 39, .	4.0	15
44	Interannual variations in low potential vorticity water and the subtropical countercurrent in an eddy-resolving OGCM. Journal of Oceanography, 2012, 68, 139-150.	1.7	18
45	Interannual variations of the Hawaiian Lee Countercurrent induced by potential vorticity variability in the subsurface. Journal of Oceanography, 2012, 68, 93-111.	1.7	11
46	Interannual variations of the Hawaiian Lee Countercurrent induced by potential vorticity variability in the subsurface. , 2011, , 89-107.		8
47	Interannual variations in low potential vorticity water and the subtropical countercurrent in an eddy-resolving OGCM. , 2011, , 109-120.		5
48	Seasonal variations of the Hawaiian Lee Countercurrent induced by the meridional migration of the trade winds. Ocean Dynamics, 2010, 60, 705-715.	2.2	19
49	Decadal variability of the Kuroshio Extension: mesoscale eddies and recirculations. Ocean Dynamics, 2010, 60, 673-691.	2.2	56
50	Interannual variability in the subseasonal northward excursion of the Baiu front. International Journal of Climatology, 2010, 30, 2205-2216.	3.5	9
51	Seasonality of the Kuroshio Path Destabilization Phenomenon in the Okinawa Trough: A Numerical Study of Its Mechanism. Journal of Physical Oceanography, 2010, 40, 530-550.	1.7	18
52	Influences of the Kuroshio/Oyashio Extensions on Airâ€“Sea Heat Exchanges and Storm-Track Activity as Revealed in Regional Atmospheric Model Simulations for the 2003/04 Cold Season*. Journal of Climate, 2009, 22, 6536-6560.	3.2	174
53	Airâ€“Sea Heat Exchanges Characteristic of a Prominent Midlatitude Oceanic Front in the South Indian Ocean as Simulated in a High-Resolution Coupled GCM. Journal of Climate, 2009, 22, 6515-6535.	3.2	65
54	Geographical shift of zooplankton communities and decadal dynamics of the Kuroshioâ€“Oyashio currents in the western North Pacific. Global Change Biology, 2009, 15, 1846-1858.	9.5	35

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55	Observations of Marine Atmospheric Boundary Layer Transitions across the Summer Kuroshio Extension*. Journal of Climate, 2009, 22, 1360-1374.	3.2	55
56	Deep countercurrent beneath the Kuroshio in the Okinawa Trough. Journal of Geophysical Research, 2008, 113, .	3.3	30
57	An Eddy-Resolving Hindcast Simulation of the Quasiglobal Ocean from 1950 to 2003 on the Earth Simulator. , 2008, , 157-185.		188
58	Decadal Sea Level Variability in the South Pacific in a Global Eddy-Resolving Ocean Model Hindcast. Journal of Physical Oceanography, 2008, 38, 1731-1747.	1.7	55
59	Interannual-to-Decadal Variability in the Oyashio and Its Influence on Temperature in the Subarctic Frontal Zone: An Eddy-Resolving OGCM Simulation. Journal of Climate, 2008, 21, 6283-6303.	3.2	50
60	Formation Mechanism for Isopycnal Temperatureâ€“Salinity Anomalies Propagating from the Eastern South Pacific to the Equatorial Region. Journal of Climate, 2007, 20, 1305-1315.	3.2	41
61	Interdecadal variability of the early summer surface heat flux in the Kuroshio region and its impact on the Baiu frontal activity. Geophysical Research Letters, 2007, 34, .	4.0	12
62	Decadal Variability of the Kuroshio Extension: Observations and an Eddy-Resolving Model Hindcast*. Journal of Climate, 2007, 20, 2357-2377.	3.2	243
63	Atmospheric sounding over the winter Kuroshio Extension: Effect of surface stability on atmospheric boundary layer structure. Geophysical Research Letters, 2006, 33, .	4.0	76
64	Far-reaching Hawaiian Lee Countercurrent driven by wind-stress curl induced by warm SST band along the current. Geophysical Research Letters, 2006, 33, .	4.0	35
65	Upper-Ocean Mixed Layer and Wintertime Sea Surface Temperature Anomalies in the North Pacific. Journal of Climate, 2006, 19, 300-307.	3.2	11
66	Decadal Variability in the Kuroshioâ€“Oyashio Extension Simulated in an Eddy-Resolving OGCM. Journal of Climate, 2006, 19, 1970-1989.	3.2	159
67	Influence of Midlatitude Winds on the Stratification of the Equatorial Thermocline*. Journal of Physical Oceanography, 2006, 36, 222-237.	1.7	5
68	Airâ€“Sea Interaction over the Eastern Pacific Warm Pool: Gap Winds, Thermocline Dome, and Atmospheric Convection*. Journal of Climate, 2005, 18, 5-20.	3.2	150
69	Interdecadal temperature variations in the North Pacific Central Mode Water simulated by an OGCM. Journal of Oceanography, 2004, 60, 865-877.	1.7	22
70	On the termination of the Hawaiian Lee Countercurrent. Geophysical Research Letters, 2003, 30, n/a-n/a.	4.0	27
71	Covariations of Sea Surface Temperature and Wind over the Kuroshio and Its Extension: Evidence for Ocean-to-Atmosphere Feedback*. Journal of Climate, 2003, 16, 1404-1413.	3.2	237
72	Decadal variations in the subtropical cells and equatorial pacific SST. Geophysical Research Letters, 2002, 29, 20-1.	4.0	102

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73	Estimates of Surface and Subsurface Forcing for Decadal Sea Surface Temperature Variability in the Mid-Latitude North Pacific.. Journal of the Meteorological Society of Japan, 2002, 80, 1289-1300.	1.8	40
74	Eastern North Pacific Subtropical Mode Water in a general circulation model: Formation mechanism and salinity effects. Journal of Geophysical Research, 2001, 106, 19671-19681.	3.3	34
75	Tropical Subsurface Salinity and Tritium Distributions in the Pacific: Their Differences and Formation Mechanisms*. Journal of Physical Oceanography, 2001, 31, 1388-1395.	1.7	7
76	Far-Reaching Effects of the Hawaiian Islands on the Pacific Ocean-Atmosphere System. Science, 2001, 292, 2057-2060.	12.6	225
77	Interdecadal Thermocline Variability in the North Pacific for 1958â€“97: A GCM Simulation*. Journal of Physical Oceanography, 2000, 30, 2798-2813.	1.7	161
78	Title is missing!. Journal of Oceanography, 2000, 56, 173-183.	1.7	26
79	Propagation of North Pacific interdecadal subsurface temperature anomalies in an ocean GCM. Geophysical Research Letters, 2000, 27, 3747-3750.	4.0	45