

Chau-Ron Wu

List of Publications by Year in descending order

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63
papers

2,320
citations

186209

28
h-index

214721

47
g-index

64
all docs

64
docs citations

64
times ranked

1539
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesoscale eddies in the northern South China Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2007, 54, 1575-1588.	0.6	133
2	Interannual modulation of the Pacific Decadal Oscillation (PDO) on the low-latitude western North Pacific. Progress in Oceanography, 2013, 110, 49-58.	1.5	122
3	Seasonal and interannual variations in the velocity field of the South China Sea. Journal of Oceanography, 1998, 54, 361-372.	0.7	102
4	Typhoon Kai-Tak: An Ocean's Perfect Storm. Journal of Physical Oceanography, 2011, 41, 221-233.	0.7	99
5	Spatial and temporal variations of the Kuroshio east of Taiwan, 1982-2005: A numerical study. Journal of Geophysical Research, 2008, 113, .	3.3	95
6	Blocking and Westward Passage of Eddies in the Luzon Strait. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 1783-1791.	0.6	88
7	Seasonal to interannual variations in the intensity and central position of the surface Kuroshio east of Taiwan. Journal of Geophysical Research: Oceans, 2013, 118, 4305-4316.	1.0	88
8	Transient, seasonal and interannual variability of the Taiwan Strait current. Journal of Oceanography, 2007, 63, 821-833.	0.7	77
9	TOPEX/Poseidon observations of mesoscale eddies over the Subtropical Countercurrent: Kinematic characteristics of an anticyclonic eddy and a cyclonic eddy. Journal of Geophysical Research, 2004, 109, n/a-n/a.	3.3	75
10	Why does the Kuroshio northeast of Taiwan shift shelfward in winter?. Ocean Dynamics, 2010, 60, 413-426.	0.9	71
11	A numerical study on the formation of upwelling off northeast Taiwan. Journal of Geophysical Research, 2008, 113, .	3.3	67
12	An updated examination of the Luzon Strait transport. Journal of Geophysical Research, 2012, 117, .	3.3	67
13	Air-sea interaction between tropical cyclone Nari and Kuroshio. Geophysical Research Letters, 2008, 35, .	1.5	65
14	Enhanced primary production in the oligotrophic South China Sea by eddy injection in spring. Geophysical Research Letters, 2010, 37, .	1.5	65
15	Volume Transport Through the Taiwan Strait: A Numerical Study. Terrestrial, Atmospheric and Oceanic Sciences, 2005, 16, 377.	0.3	63
16	The forcing mechanism leading to the Kuroshio intrusion into the South China Sea. Journal of Geophysical Research, 2012, 117, .	3.3	62
17	Interannual variability of the South China Sea in a data assimilation model. Geophysical Research Letters, 2005, 32, .	1.5	61
18	Interannual mode of sea level in the South China Sea and the roles of El Niño and El Niño Modoki. Geophysical Research Letters, 2008, 35, .	1.5	60

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19	Intrusion of the Pearl River plume into the main channel of the Taiwan Strait in summer. <i>Journal of Sea Research</i> , 2015, 95, 1-15.	0.6	60
20	Intrusion of the Kuroshio into the South and East China Seas. <i>Scientific Reports</i> , 2017, 7, 7895.	1.6	59
21	Assimilating altimetric data into a South China Sea model. <i>Journal of Geophysical Research</i> , 1999, 104, 29987-30005.	3.3	58
22	Seasonal and interannual changes of the Kuroshio intrusion onto the East China Sea Shelf. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 5039-5051.	1.0	45
23	Mindanao Current/Undercurrent in an eddy-resolving GCM. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	44
24	Warming and weakening trends of the Kuroshio during 1993–2013. <i>Geophysical Research Letters</i> , 2016, 43, 9200-9207.	1.5	40
25	Variability analysis of Kuroshio intrusion through Luzon Strait using growing hierarchical self-organizing map. <i>Ocean Dynamics</i> , 2012, 62, 1187-1194.	0.9	39
26	East China Sea increasingly gains limiting nutrient P from South China Sea. <i>Scientific Reports</i> , 2019, 9, 5648.	1.6	37
27	Intra-seasonal variation of the Kuroshio southeast of Taiwan and its possible forcing mechanism. <i>Ocean Dynamics</i> , 2010, 60, 1293-1306.	0.9	36
28	Satellite views of the episodic terrestrial material transport to the southern Okinawa Trough driven by typhoon. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 4490-4504.	1.0	33
29	Intra-seasonal variation in the velocity field of the northeastern South China Sea. <i>Continental Shelf Research</i> , 2005, 25, 2075-2083.	0.9	27
30	Activities of 50–80 day subthermocline eddies near the Philippine coast. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 3606-3623.	1.0	27
31	Why Are There Upwellings on the Northern Shelf of Taiwan under Northeasterly Winds?. <i>Journal of Physical Oceanography</i> , 2010, 40, 1405-1417.	0.7	26
32	Fluctuations of the thermal fronts off northeastern Taiwan. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	23
33	Weakening of the Kuroshio Intrusion Into the South China Sea Under the Global Warming Hiatus. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016, 9, 5064-5070.	2.3	23
34	Physical and geographical origins of the South China Sea Warm Current. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	22
35	Bimodal behavior of the seasonal upwelling off the northeastern coast of Taiwan. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	20
36	The Footprint of the 11-Year Solar Cycle in Northeastern Pacific SSTs and Its Influence on the Central Pacific El Niño. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091369.	1.5	18

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37	Discordant multi-decadal trend in the intensity of the Kuroshio along its path during 1993–2013. <i>Scientific Reports</i> , 2018, 8, 14633.	1.6	15
38	Impact of the Atlantic Multidecadal Oscillation on the Pacific North Equatorial Current bifurcation. <i>Scientific Reports</i> , 2019, 9, 2162.	1.6	15
39	Contrasting the Flow Patterns in the Equatorial Pacific Between Two Types of El Niño. <i>Atmosphere - Ocean</i> , 2013, 51, 60-74.	0.6	14
40	Disassociation of the Kuroshio Current with the Pacific Decadal Oscillation Since 1999. <i>Remote Sensing</i> , 2019, 11, 276.	1.8	14
41	The status of coastal oceanography in heavily impacted Yellow and East China Sea: Past trends, progress, and possible futures. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 163, 235-243.	0.9	13
42	Modulation of Rossby waves on the Pacific North Equatorial Current bifurcation associated with the 1976 climate regime shift. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 6669-6679.	1.0	12
43	Sediment-Mass Accumulation Rate and Variability in the East China Sea Detected by GRACE. <i>Remote Sensing</i> , 2016, 8, 777.	1.8	12
44	Dynamics of upwelling annual cycle in the equatorial Atlantic Ocean. <i>Geophysical Research Letters</i> , 2017, 44, 3737-3743.	1.5	12
45	Intrusion of Kuroshio Helps to Diminish Coastal Hypoxia in the Coast of Northern South China Sea. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	12
46	A combination mode of climate variability responsible for extremely poor recruitment of the Japanese eel (<i>Anguilla japonica</i>). <i>Scientific Reports</i> , 2017, 7, 44469.	1.6	11
47	An Examination of Circulation Characteristics in the Luzon Strait and the South China Sea Using High-Resolution Regional Atmosphere–Ocean Coupled Models. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016253.	1.0	10
48	Interannual Carbon and Nutrient Fluxes in Southeastern Taiwan Strait. <i>Sustainability</i> , 2018, 10, 372.	1.6	9
49	An Atlantic-driven rapid circulation change in the North Pacific Ocean during the late 1990s. <i>Scientific Reports</i> , 2019, 9, 14411.	1.6	9
50	Phytoplankton and Bacterial Responses to Monsoon-Driven Water Masses Mixing in the Kuroshio Off the East Coast of Taiwan. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	9
51	Circulation and oxygenation of the glacial South China Sea. <i>Journal of Asian Earth Sciences</i> , 2017, 138, 387-398.	1.0	8
52	Enhanced Warming and Intensification of the Kuroshio Extension, 1999–2013. <i>Remote Sensing</i> , 2019, 11, 101.	1.8	8
53	Dynamics of simulated Atlantic upwelling annual cycle in CMIP5 models. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 5774-5785.	1.0	7
54	Distinct impacts of the 1997–98 and 2015–16 extreme El Niños on Japanese eel larval catch. <i>Scientific Reports</i> , 2019, 9, 1384.	1.6	6

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55	Multidecadal Changes of Upper-Ocean Thermal Conditions in the Tropical Northwest Pacific Ocean versus South China Sea during 1960–2015. <i>Journal of Climate</i> , 2018, 31, 3999-4016.	1.2	5
56	Coherent Response of Vietnam and Sumatra-Java Upwellings to Cross-Equatorial Winds. <i>Scientific Reports</i> , 2019, 9, 3650.	1.6	4
57	Batch-like Arrival Waves of Glass Eels in Offshore Waters of Taiwan. <i>Zoological Studies</i> , 2016, 55, e36.	0.3	4
58	Contrasting the evolution between two types of El Niño in a data assimilation model. <i>Ocean Dynamics</i> , 2013, 63, 577-587.	0.9	3
59	Leading El-Niño SST Oscillations around the Southern South American Continent. <i>Sustainability</i> , 2018, 10, 1783.	1.6	3
60	Nonstationary El Niño teleconnection on the post-summer upwelling off Vietnam. <i>Scientific Reports</i> , 2020, 10, 13319.	1.6	3
61	Impact of the southern annular mode on extreme changes in Indian rainfall during the early 1990s. <i>Scientific Reports</i> , 2021, 11, 2798.	1.6	3
62	Coupling Influences of ENSO and PDO on the Inter-Decadal SST Variability of the ACC around the Western South Atlantic. <i>Sustainability</i> , 2019, 11, 4853.	1.6	2
63	Responses of the China Seas to Tropical Cyclone. <i>Advances in Natural and Technological Hazards Research</i> , 2014, , 313-331.	1.1	0