Akiyoshi Wada

List of Publications by Year
in descending order

37 papers	945 citations	516710 16 h-index	454955 30 g-index
37 all docs	37 docs citations	37 times ranked	1099 citing authors

#	Article	IF	Citations
1	Diurnal sea surface temperature variation and its impact on the atmosphere and ocean: A review. Journal of Oceanography, 2007, 63, 721-744.	1.7	275
2	Importance of tropical cyclone heat potential for tropical cyclone intensity and intensification in the Western North Pacific. Journal of Oceanography, 2007, 63, 427-447.	1.7	102
3	Forecasting a Large Number of Tropical Cyclone Intensities around Japan Using a High-Resolution Atmosphereâ€“Ocean Coupled Model. Weather and Forecasting, 2015, 30, 793-808.	1.4	45
4	Typhoon-induced sea surface cooling during the 2011 and 2012 typhoon seasons: observational evidence and numerical investigations of the sea surface cooling effect using typhoon simulations. Progress in Earth and Planetary Science, 2014, 1, 11.	3.0	40
5	Roles of vertical turbulent mixing in the ocean response to Typhoon Rex (1998). Journal of Oceanography, 2009, 65, 373-396.	1.7	38
6	Future Changes in Structures of Extremely Intense Tropical Cyclones Using a 2-km Mesh Nonhydrostatic Model. Journal of Climate, 2013, 26, 9986-10005.	3.2	33
7	Numerical Simulations of Sea Surface Cooling by a Mixed Layer Model during the Passage of Typhoon Rex. Journal of Oceanography, 2005, 61, 41-57.	1.7	30
8	Idealized numerical experiments associated with the intensity and rapid intensification of stationary tropicalâ€cycloneâ€like vortex and its relation to initial seaâ€surface temperature and vortexâ€induced seaâ€surface cooling. Journal of Geophysical Research, 2009, 114, .	3.3	27
9	Global 7â€km mesh nonhydrostatic Model Intercomparison Project for improving TYphoon forecast (TYMIP-G7): experimental design and preliminary results. Geoscientific Model Development, 2017, 10, 1363-1381.	3.6	27
10	The Processes of SST Cooling by Typhoon Passage and Case Study of Typhoon Rex with a Mixed layer Ocean Model.. Papers in Meteorology and Geophysics, 2002, 52, 31-66.	0.9	27
11	Impact of Wave-Ocean Interaction on Typhoon Hai-Tang in 2005. Scientific Online Letters on the Atmosphere, 2010, 6A, 13-16.	1.4	26
12	Effect of planetary boundary layer schemes on the development of intense tropical cyclones using a cloudâ€resolving model. Journal of Geophysical Research, 2012, 117, .	3.3	26
13	Relationship of maximum tropical cyclone intensity to sea surface temperature and tropical cyclone heat potential in the North Pacific Ocean. Journal of Geophysical Research, 2012, 117, .	3.3	26
14	Verification of tropical cyclone heat potential for tropical cyclone intensity forecasting in the Western North Pacific. Journal of Oceanography, 2015, 71, 373-387.	1.7	20
15	Sensitivity to Horizontal Resolution of the Simulated Intensifying Rate and Inner-Core Structure of Typhoon Ida, an Extremely Intense Typhoon. Journal of the Meteorological Society of Japan, 2016, 94A, 181-190.	1.8	20
16	Effect of Airâ€Sea Environmental Conditions and Interfacial Processes on Extremely Intense Typhoon Haiyan (2013). Journal of Geophysical Research D: Atmospheres, 2018, 123, 10,379.	3.3	17
17	Numerical simulations of oceanic <i>p</i>CO₂ variations and interactions between Typhoon Choiâ€wan (0914) and the ocean. Journal of Geophysical Research: Oceans, 2013, 118, 2667-2684.	2.6	15
18	Preliminary Test of a Data Assimilation System with a Regional High-Resolution Atmosphereâ€“Ocean Coupled Model Based on an Ensemble Kalman Filter. Monthly Weather Review, 2017, 145, 565-581.	1.4	13

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19	Impacts of Oceanic Preexisting Conditions on Predictions of Typhoon Hai-Tang in 2005. Advances in Meteorology, 2010, 2010, 1-15.	1.6	12
20	Carbon system changes in the East China Sea induced by Typhoons Tina and Winnie in 1997. Journal of Geophysical Research, 2011, 116, .	3.3	12
21	The role of oceanâ€atmosphere interaction in <scp>T</scp>yphoon <scp>S</scp>inlaku (2008) using a regional coupled data assimilation system. Journal of Geophysical Research: Oceans, 2017, 122, 3675-3695.	2.6	11
22	Unusually rapid intensification of Typhoon Man-yi in 2013 under preexisting warm-water conditions near the Kuroshio front south of Japan. Journal of Oceanography, 2015, 71, 597-622.	1.7	10
23	The Relationship between Convective Bursts and Warm-Core Intensification in a Nonhydrostatic Simulation of Typhoon Lionrock (2016). Monthly Weather Review, 2019, 147, 1557-1579.	1.4	10
24	Detection of cyclone-induced rapid increases in chlorophyll-<i>a</i> with sea surface cooling in the northwestern Pacific Ocean from a MODIS/SeaWiFS merged satellite chlorophyll product. International Journal of Remote Sensing, 2011, 32, 9455-9471.	2.9	9
25	Interactions between Typhoon Choi-wan (2009) and the Kuroshio Extension System. Advances in Meteorology, 2013, 2013, 1-17.	1.6	9
26	Relation of Convective Bursts to Changes in the Intensity of Typhoon Lionrock (2016) during the Decay Phase Simulated by an Atmosphere-Wave-Ocean Coupled Model. Journal of the Meteorological Society of Japan, 2018, 96, 489-509.	1.8	8
27	Increasing TCHP in the Western North Pacific and Its Influence on the Intensity of FAXAI and HAGIBIS in 2019. Scientific Online Letters on the Atmosphere, 2021, 17A, 29-32.	1.4	8
28	Numerical Problems Associated with Tropical Cyclone Intensity Prediction Using a Sophisticated Coupled Typhoon-Ocean Model. Papers in Meteorology and Geophysics, 2007, 58, 103-126.	0.9	8
29	Convective Bursts With Gravity Waves in Tropical Cyclones: Case Study With the Himawariâ€8 Satellite and Idealized Numerical Study. Geophysical Research Letters, 2020, 47, e2019GL086295.	4.0	7
30	Comment on â€œImportance of preâ€existing oceanic conditions to upper ocean response induced by Super Typhoon Haiâ€Tangâ€• by Z.â€W. Zheng, C.â€R. Ho, and N.â€J. Kuo. Geophysical Research Letters, 2009, 36, .	4.0	6
31	Reexamination of tropical cyclone heat potential in the western North Pacific. Journal of Geophysical Research D: Atmospheres, 2016, 121, 6723-6744.	3.3	6
32	Intensification of Typhoon Danas (1324) Captured by MTSAT Upper Tropospheric Atmospheric Motion Vectors. Scientific Online Letters on the Atmosphere, 2016, 12, 135-139.	1.4	6
33	Roles of Oceanic Mesoscale Eddy in Rapid Weakening of Typhoons Trami and Kong-Rey in 2018 Simulated with a 2-km-Mesh Atmosphere-Wave-Ocean Coupled Model. Journal of the Meteorological Society of Japan, 2021, 99, 1453-1482.	1.8	5
34	Numerical Study on the Effect of the Ocean on Tropical-Cyclone Intensity and Structural Change. , 0, , .		4
35	Interactions between a Tropical Cyclone and Upper-Tropospheric Cold-Core Lows Simulated by an Atmosphere-Wave-Ocean Coupled Model: A Case Study of Typhoon Jongdari (2018). Journal of the Meteorological Society of Japan, 2022, , .	1.8	4
36	Comparison of the third-generation Japanese ocean flux data set J-OFURO3 with numerical simulations of Typhoon Dujuan (2015) traveling south of Okinawa. Journal of Oceanography, 2020, 76, 419-437.	1.7	3

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37	Unusually rapid intensification of Typhoon Man-yi in 2013 under preexisting warm-water conditions near the Kuroshio front south of Japan. , 2016, , 131-156.		0