Chanh Q Kieu

List of Publications by Year
in descending order

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54	805	471509 17	552781 26
papers	citations	h-index	g-index

57	57	57	503
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evaluation of Storm Structure from the Operational HWRF during 2012 Implementation. Monthly Weather Review, 2014, 142, 4308-4325.	1.4	98
2	Potential Vorticity Diagnosis of a Simulated Hurricane. Part II: Quasi-Balanced Contributions to Forced Secondary Circulations. Journals of the Atmospheric Sciences, 2006, 63, 2898-2914.	1.7	58
3	Impact of Assimilating Aircraft Reconnaissance Observations on Tropical Cyclone Initialization and Prediction Using Operational HWRF and GSI Ensembleâ€"Variational Hybrid Data Assimilation. Monthly Weather Review, 2018, 146, 4155-4177.	1.4	53
4	Genesis of Tropical Storm Eugene (2005) from Merging Vortices Associated with ITCZ Breakdowns. Part I: Observational and Modeling Analyses. Journals of the Atmospheric Sciences, 2008, 65, 3419-3439.	1.7	37
5	On the Development of Double Warm-Core Structures in Intense Tropical Cyclones. Journals of the Atmospheric Sciences, 2016, 73, 4487-4506.	1.7	31
6	Forecasting Tropical Cyclones in the Western North Pacific Basin Using the NCEP Operational HWRF Model: Model Upgrades and Evaluation of Real-Time Performance in 2013. Weather and Forecasting, 2016, 31, 877-894.	1.4	30
7	Forecasting Tropical Cyclones in the Western North Pacific Basin Using the NCEP Operational HWRF: Real-Time Implementation in 2012. Weather and Forecasting, 2015, 30, 1355-1373.	1.4	28
8	Sensitivity of the Track and Intensity Forecasts of Typhoon Megi (2010) to Satellite-Derived Atmospheric Motion Vectors with the Ensemble Kalman Filter. Journal of Atmospheric and Oceanic Technology, 2012, 29, 1794-1810.	1.3	26
9	Vertical structure of tropical cyclones at onset of the rapid intensification in the HWRF model. Geophysical Research Letters, 2014, 41, 3298-3306.	4.0	25
10	Hurricane Intensity Predictability. Bulletin of the American Meteorological Society, 2016, 97, 1847-1857.	3.3	25
11	An investigation into the contraction of the hurricane radius of maximum wind. Meteorology and Atmospheric Physics, 2012, 115, 47-56.	2.0	24
12	Shear-forced vertical circulations in tropical cyclones. Geophysical Research Letters, 2005, 32, .	4.0	23
13	An analytical model for the rapid intensification of tropical cyclones. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 1336-1349.	2.7	22
14	Hurricane maximum potential intensity equilibrium. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 2471-2480.	2.7	22
15	The Control of Environmental Stratification on the Hurricane Maximum Potential Intensity. Geophysical Research Letters, 2018, 45, 6272-6280.	4.0	21
16	An Examination of the Pressureâ€"Wind Relationship for Intense Tropical Cyclones. Weather and Forecasting, 2010, 25, 895-907.	1.4	20
17	Stability of the Tropical Cyclone Intensity Equilibrium. Journals of the Atmospheric Sciences, 2017, 74, 3591-3608.	1.7	19
18	Genesis of Tropical Storm Eugene (2005) from Merging Vortices Associated with ITCZ Breakdowns. Part II: Roles of Vortex Merger and Ambient Potential Vorticity. Journals of the Atmospheric Sciences, 2009, 66, 1980-1996.	1.7	18

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19	A Piecewise Potential Vorticity Inversion Algorithm and Its Application to Hurricane Inner-Core Anomalies. Journals of the Atmospheric Sciences, 2010, 67, 2616-2631.	1.7	18
20	A study of the connection between tropical cyclone track and intensity errors in the WRF model. Meteorology and Atmospheric Physics, 2013, 122, 55-64.	2.0	17
21	Revisiting dissipative heating in tropical cyclone maximum potential intensity. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 2497-2504.	2.7	17
22	Genesis of Tropical Storm Eugene (2005) from Merging Vortices Associated with ITCZ Breakdowns. Part III: Sensitivity to Various Genesis Parameters. Journals of the Atmospheric Sciences, 2010, 67, 1745-1758.	1.7	16
23	Largeâ€scale control of the lower stratosphere on variability of tropical cyclone intensity. Geophysical Research Letters, 2017, 44, 4313-4323.	4.0	15
24	On the Hopf (double Hopf) bifurcations and transitions of two-layer western boundary currents. Communications in Nonlinear Science and Numerical Simulation, 2018, 65, 196-215.	3.3	14
25	On the rapid intensification of Hurricane Wilma (2005). Part IV: Innerâ€core dynamics during the steady radius of maximum wind stage. Quarterly Journal of the Royal Meteorological Society, 2018, 144, 2508-2523.	2.7	11
26	On the growth of intensity forecast errors in the operational hurricane weather research and forecasting (HWRF) model. Quarterly Journal of the Royal Meteorological Society, 2018, 144, 1803-1819.	2.7	9
27	Track Dependence of Tropical Cyclone Intensity Forecast Errors in the COAMPS-TC Model. Weather and Forecasting, 2021, 36, 469-485.	1.4	9
28	On the scale dynamics of the tropical cyclone intensity. Discrete and Continuous Dynamical Systems - Series B, 2017, 22, 44-44.	0.9	9
29	An Application of the Multi-Physics Ensemble Kalman Filter to Typhoon Forecast. Pure and Applied Geophysics, 2014, 171, 1473-1497.	1.9	8
30	Impacts of the Lower Stratosphere on the Development of Intense Tropical Cyclones. Atmosphere, 2017, 8, 128.	2.3	7
31	Large-scale dynamics of tropical cyclone formation associated with ITCZ breakdown. Atmospheric Chemistry and Physics, 2019, 19, 8383-8397.	4.9	7
32	Dynamical transitions of the quasi-periodic plasma model. Nonlinear Dynamics, 2019, 96, 323-338.	5.2	7
33	A Look at the Relationship between the Large-Scale Tropospheric Static Stability and the Tropical Cyclone Maximum Intensity. Journal of Climate, 2020, 33, 959-975.	3.2	7
34	A Numerical Study of the Global Formation of Tropical Cyclones. Journal of Advances in Modeling Earth Systems, 2021, 13, e2020MS002207.	3.8	7
35	Relationship between sea surface temperature and the maximum intensity of tropical cyclones affecting Vietnam's coastline. International Journal of Climatology, 2020, 40, 2527-2538.	3.5	6
36	On the stability and bifurcation of the non-rotating Boussinesq equation with the Kolmogorov forcing at a low PÃ©clet number. Communications in Nonlinear Science and Numerical Simulation, 2020, 89, 105322.	3.3	6

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37	Comments on â€œRevisiting the Relationship between Eyewall Contraction and Intensificationâ€• Journals of the Atmospheric Sciences, 2017, 74, 4265-4274.	1.7	4
38	Climatic Shift of the Tropical Cyclone Activity Affecting Vietnamâ€™s Coastal Region. Journal of Applied Meteorology and Climatology, 2020, 59, 1755-1768.	1.5	4
39	Frictionally Induced Feedback in a Reduced Dynamical Model of Tropical Cyclone Intensification. Journals of the Atmospheric Sciences, 2020, 77, 3821-3831.	1.7	4
40	Stochastic Variability of Tropical Cyclone Intensity at the Maximum Potential Intensity Equilibrium. Journals of the Atmospheric Sciences, 2020, 77, 3105-3118.	1.7	3
41	Assessing the Impacts of Augmented Observations on the Forecast of Typhoon Wutipâ€™s (2013) Formation Using the Ensemble Kalman Filter. Weather and Forecasting, 2020, 35, 1483-1503.	1.4	3
42	On the consistency between dynamical and thermodynamic equations with prescribed vertical motion in an analytical tropical cyclone model. Quarterly Journal of the Royal Meteorological Society, 2010, 136, 1927-1930.	2.7	2
43	Is the isentropic surface always impermeable to the potential vorticity substance?. Advances in Atmospheric Sciences, 2012, 29, 29-35.	4.3	2
44	Retrograde waves in tropical cyclone inner-core. Tellus, Series A: Dynamic Meteorology and Oceanography, 2016, 68, 31402.	1.7	2
45	Initializing the WRF Model with Tropical Cyclone Real-Time Reports Using the Ensemble Kalman Filter Algorithm. Pure and Applied Geophysics, 2017, 174, 2803-2825.	1.9	2
46	On the large-scale dynamics of fâ^'plane zonally symmetric circulations. AIP Advances, 2019, 9, .	1.3	2
47	Hopf bifurcations and transitions of two-dimensional Quasi-Geostrophic flows. Communications on Pure and Applied Analysis, 2021, 20, 1385.	0.8	2
48	Hitting time of rapid intensification onset in hurricane-like vortices. Physics of Fluids, 2021, 33, 096603.	4.0	2
49	Dynamics of transverse cloud rolls in the boundary layer with the Poiseuille shear flow. Physics of Fluids, 2019, 31, 096601.	4.0	1
50	Dependence of tropical cyclone intrinsic intensity variability on the largeâ€scale environment. Quarterly Journal of the Royal Meteorological Society, 2021, 147, 1606-1625.	2.7	1
51	Characteristics of Tropicalâ€Cyclone Turbulence and Intensity Predictability. Geophysical Research Letters, 2022, 49, .	4.0	1
52	The dynamics of barotropic vortex merging. Advances in Atmospheric Sciences, 2016, 33, 987-995.	4.3	0
53	On the structure and stability of the hurricane eyewall. Tellus, Series A: Dynamic Meteorology and Oceanography, 2018, 70, 1-14.	1.7	0
54	Sensitivity of Tropical Cyclone Intensity Variability to Different Stochastic Parameterization Methods. Frontiers in Earth Science, 0, 10, .	1.8	0