

# Hailun He

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

488  
citations

687363

13  
h-index

713466

21  
g-index

39  
all docs

39  
docs citations

39  
times ranked

514  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Application of different wind field models and wave boundary layer model to typhoon waves numerical simulation in WAVEWATCH III model. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 71, 1657552. | 1.7 | 16        |
| 2  | Overview of the MOSAiC expedition: Physical oceanography. <i>Elementa</i> , 2022, 10, .   | 3.2 | 54        |
| 3  | Enhanced Turbulent Mixing in the Upper Ocean Induced by Super Typhoon Goni (2015). <i>Remote Sensing</i> , 2022, 14, 2300.  | 4.0 | 9         |
| 4  | Near-Inertial Waves Induced by Typhoon Megi (2010) in the South China Sea. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 440.   | 2.6 | 16        |
| 5  | Wave-Modified Ekman Current Solutions for the Time-Dependent Vertical Eddy Viscosity. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 664.  | 2.6 | 0         |
| 6  | Recovery of Tropical Cyclone Induced SST Cooling Observed by Satellite in the Northwestern Pacific Ocean. <i>Remote Sensing</i> , 2021, 13, 3781.   | 4.0 | 3         |
| 7  | Upper ocean response to tropical cyclones: a review. <i>Geoscience Letters</i> , 2021, 8, .   | 3.3 | 64        |
| 8  | Observational study of super typhoon Meranti (2016) using satellite, surface drifter, Argo float and reanalysis data. <i>Acta Oceanologica Sinica</i> , 2021, 40, 70-84.  | 1.0 | 3         |
| 9  | Ocean Response to Super-Typhoon Haiyan. <i>Water (Switzerland)</i> , 2021, 13, 2841.  | 2.7 | 2         |
| 10 | Oceanic vertical mixing of the lower halocline water in the Chukchi Borderland and Mendeleev Ridge. <i>Acta Oceanologica Sinica</i> , 2021, 40, 39-49.  | 1.0 | 1         |
| 11 | Tower-based observation of air-sea momentum flux: comparisons between onshore and offshore winds. <i>Acta Oceanologica Sinica</i> , 2020, 39, 61-68.  | 1.0 | 2         |
| 12 | Anomalous distribution of distinctive water masses over the Carlsberg Ridge in May 2012. <i>Ocean Science</i> , 2020, 16, 895-906.  | 3.4 | 2         |
| 13 | Numerical Simulations of Typhoon Hagupit (2008) Using WRF. <i>Weather and Forecasting</i> , 2019, 34, 999-1015.   | 1.4 | 14        |
| 14 | Decadal variance of summer near-surface temperature maximum in Canada Basin of Arctic Ocean. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2019, 71, 1591856.   | 1.7 | 0         |
| 15 | Conservation Laws of Space-Time Fractional mZK Equation for Rossby Solitary Waves with Complete Coriolis Force. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2019, 20, 17-32.            | 1.0 | 21        |
| 16 | Statistical distribution of wave-induced drift for random ocean waves in finite water depth. <i>Coastal Engineering</i> , 2018, 135, 31-38.   | 4.0 | 3         |
| 17 | Net Modulation of Upper Ocean Thermal Structure by Typhoon Kalmaegi (2014). <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 7154-7171.  | 2.6 | 52        |
| 18 | Climate and extrema of ocean waves in the East China Sea. <i>Science China Earth Sciences</i> , 2018, 61, 980-994.  | 5.2 | 26        |

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|----|--|-----|-----------|
| 19 | Effects of surface waves and sea spray on air-sea fluxes during the passage of Typhoon Hagupit. <i>Acta Oceanologica Sinica</i> , 2018, 37, 1-7.   | 1.0 | 14        |
| 20 | Near-Inertial Waves and Their Underlying Mechanisms Based on the South China Sea Internal Wave Experiment (2010-2011). <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 5026-5040.                      | 2.6 | 40        |
| 21 | Observations and Modeling of Typhoon Waves in the South China Sea. <i>Journal of Physical Oceanography</i> , 2017, 47, 1307-1324.  | 1.7 | 36        |
| 22 | The temporal and spatial variations in the Pacific wind and wave fields for the period 2002-2011. <i>Acta Oceanologica Sinica</i> , 2017, 36, 26-36.   | 1.0 | 11        |
| 23 | Interpreting the sea surface temperature warming trend in the Yellow Sea and East China Sea. <i>Science China Earth Sciences</i> , 2017, 60, 1558-1568.  | 5.2 | 28        |
| 24 | Evaluating a satellite-based sea surface temperature by shipboard survey in the Northwest Indian Ocean. <i>Acta Oceanologica Sinica</i> , 2016, 35, 52-58.   | 1.0 | 4         |
| 25 | Variation of the Kuroshio intrusion pathways northeast of Taiwan using the Lagrangian method. <i>Science China Earth Sciences</i> , 2016, 59, 268-280.   | 5.2 | 8         |
| 26 | Wind-wave hindcast in the Yellow Sea and the Bohai Sea from the year 1988 to 2002. <i>Acta Oceanologica Sinica</i> , 2016, 35, 46-53.  | 1.0 | 14        |
| 27 | Assessment of surface drag coefficient parametrizations based on observations and simulations using the Weather Research and Forecasting model. <i>Atmospheric and Oceanic Science Letters</i> , 2016, 9, 327-336. | 1.3 | 11        |
| 28 | Large eddy simulation of the rotation effect on the ocean turbulence kinetic energy budget in the surface mixed layer. <i>Chinese Journal of Oceanology and Limnology</i> , 2014, 32, 1198-1206.                   | 0.7 | 1         |
| 29 | Determining the onset and strength of unforced wave breaking in a numerical wave tank. <i>China Ocean Engineering</i> , 2014, 28, 501-509.   | 1.6 | 4         |
| 30 | Large eddy simulation of turbulence in ocean surface boundary layer at Zhangzi Island offshore. <i>Acta Oceanologica Sinica</i> , 2013, 32, 8-13.  | 1.0 | 2         |
| 31 | Effect of oceanic current on typhoon-wave modeling in the East China Sea. <i>Chinese Physics B</i> , 2012, 21, 109201.   | 1.4 | 7         |
| 32 | Effects of surface wave breaking on the oceanic boundary layer. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.   | 4.0 | 15        |
| 33 | Determination of fractional energy loss of waves in nearshore waters using an improved high-order Boussinesq-type model. <i>Chinese Journal of Oceanology and Limnology</i> , 2009, 27, 621-629.                   | 0.7 | 1         |
| 34 | An Optimized Breaking Index for the Boussinesq-Type Numerical Model. , 2007, , .   |     | 4         |
| 35 | Validity Test of the Eigenfunction Expansion Method in the Transient Wave Propagation Simulation. , 2007, , .  |     | 0         |
| 36 | Validity Test of the Eigenfunction Expansion Method in the Transient Wave Propagation Simulation. , 2007, , .  |     | 0         |