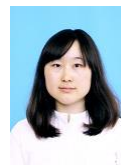


# Meng Wei

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## Work and Education

2016.12 - present	<b>Assistant Research</b>	<b>First Institute of Oceanography, MNR</b>	Qingdao, China
2012.09 - 2015.06	<b>PhD</b> Physical Oceanography	<b>Ocean University of China</b> College of Oceanic and Atmospheric Sciences	Qingdao, China
2009.09 - 2012.06	<b>Master</b> Meteorology	<b>Ocean University of China</b> College of Oceanic and Atmospheric Sciences	Qingdao, China
2005.09-2009.06	<b>Bachelor</b> Geographical Science	<b>Qingdao University</b> Normal College.	Qingdao, China

**Research interests:** Global Warming, Climate Change, Ocean Circulation

**My main interest** is exploring the spatial and temporal structures of the global temperature change and involving physical mechanisms by analyzing the observational and climate model datasets. I also focus on the large-scale variability of climate and ocean circulations under the global warming.

**PhD Thesis:** Global Warming Hiatus and its Relationship with the Multidecadal Variability of Climate System

## Publications

- [1] **Wei M**, Qiao F, Guo Y, Deng J, Song Z, Shu Q, Yang X (2019) Quantifying the importance of interannual, interdecadal and multidecadal climate natural variabilities in the modulation of global warming rates. *Climate Dynamics*: accepted.
- [2] **Wei M**, Qiao F (2017) Attribution analysis for the failure of CMIP5 climate models to simulate the recent global warming hiatus. *Science China Earth Sciences* 60:397-408.
- [3] **Wei M**, Qiao F, Deng J (2015) A quantitative definition of global warming hiatus and 50-Year prediction of global-mean surface temperature. *Journal of the Atmospheric Sciences* 72:3281-3289.
- [4] **魏萌**, 乔方利 (2016) CMIP5 气候模式模拟的 1850 ~ 2014 年全球温度变化的集合经验模态分解. *中国科学:地球科学*:1675-1688.
- [5] **魏萌**, 胡瑞金 (2012) Argo 资料的全球上层海温年和半年周期振荡的空间分布特征. *中国海洋大学学报 (自然科学版)* 6:005.
- [6] Hu R, **Wei M** (2012) Intraseasonal oscillation in global ocean temperature inferred from Argo. *Advances in Atmospheric Sciences* 30:29-40.
- [7] Guo Y, Lin X, **Wei M**, Liu C, Men G (2018) Decadal Variability of North Pacific Eastern Subtropical Mode Water. *Journal of Geophysical Research: Oceans* 123:6189-6206.
- [8] Xue L, Gao L, Cai W, Yu W, **Wei M** (2015) Response of sea surface fugacity of CO<sub>2</sub> to the SAM shift south of Tasmania: Regional differences. *Geophysical Research Letters* 42:3973-3979.
- [9] Xue L, Cai W, Takahashi T, Gao L, Wanninkhof R, **Wei M**, Li K, Feng L, Yu W (2018) Climatic modulation of surface acidification rates through summertime wind forcing in the Southern Ocean. *Nature Communications* 9:3240.
- [10] Duan Z, Chen Q, Chen C, Liu J, Gao H, Song X, **Wei M** (2019) Spatiotemporal analysis of nonlinear trends in precipitation over Germany during 1951-2013 from multiple observation-based gridded products. *International Journal of Climatology*: 39:2120-2135.