Biao Zhao, MS

Education

Sep 2009 – Jul 2012 **First Institute of Oceanography**, China
MS, physical oceanography

Sep 2004 – Jul 2008 **Ocean University of China**, China
BSc, marine science

Research Experience

April 2014 – present **Research Associate**
First Institute of Oceanography, Ministry of Natural Resources

Jun 2012 – Mar 2014 **Research Associate**
National Marine Environmental Forecasting Center, Ministry of Natural Resources

Skills & Activities

Skills Matlab, Fortran, Shell,

Languages English

Scientific Memberships AMS, AOGS, CLIVAR

Interests Numerical Modeling, Tropical Cyclones, Physical Oceanography, Air-Ocean-Wave coupling, Ocean Modeling

Journal Publications

1. Zhao Biao, Fangli Qiao, Luigi Cavaleri, Guansuo Wang, Luciana Bertotti, Li Liu: *Sensitivity of typhoon modeling to surface waves and rainfall*. Journal of Geophysical Research: Oceans 02/2017; 122(3)., DOI:10.1002/2016JC012262
2. Biao Zhao, Fangli Qiao, Guansuo Wang: *The effects of the non-breaking surface wave-induced vertical mixing on the forecast of tropical cyclone tracks*. Chinese Science Bulletin 08/2014; 59(24):3075-3084., DOI:10.1007/s11434-014-0255-0
3. Jiechen Zhao, Bin Cheng, Timo Vihma, Qinghua Yang, Fengming Hui, Biao Zhao, Guanghua Hao, Hui Shen, Lin Zhang: *Observation and thermodynamic modeling of the influence of snow cover on landfast*

sea ice thickness in Prydz Bay, East Antarctica. Cold Regions Science and Technology 08/2019; 168:102869., DOI:10.1016/j.coldregions.2019.102869

4. Sheng Chen, Fangli Qiao, Chuan Jiang Huang, Biao Zhao: *Deviation of Wind Stress From Wind Direction Under Low Wind Conditions*. 12/2018;, DOI:10.1029/2018JC014137
5. Guansuo Wang, Biao Zhao, Fangli Qiao, Chang Zhao: *Rapid intensification of Super Typhoon Haiyan: the important role of a warm-core ocean eddy*. Ocean Dynamics 08/2018;, DOI:10.1007/s10236-018-1217-x
6. Xi Liang, Qinghua Yang, Lars Nerger, Svetlana N. Losa, Biao Zhao, Fei Zheng, Lin Zhang, Lixin Wu: *Assimilating Copernicus SST Data into a Pan-Arctic Ice–Ocean Coupled Model with a Local SEIK Filter*. Journal of Atmospheric and Oceanic Technology 07/2017; 34(9)., DOI:10.1175/JTECH-D-16-0166.1
7. 赵彪，乔方利，王关锁 (2012), 海洋表层温度对台风“蔷薇”路径和强度预测精度的影响, 海洋学报(中文版)(第 4 期), 41-52.
8. 王关锁, 赵 彪, 赵 昌.超强台风强度与其过境海域上层海洋热力结构关系研究[J].海洋科学进展,2018,36(3):
9. 胡耀辉, 赵彪, 赵杰臣. SST 对台风过程影响的敏感性试验——以“杰拉华”为例[J]. 海洋预报, 36(01):78-87.