

Resume of Dejun Dai

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Publications

- [1] Qiao F., Y. Yuan, J. Deng, D. Dai, and Z. Song, 2016, Wave-turbulence interaction-induced vertical mixing and its effects in ocean and climate models. *Phil. Trans. R. Soc. A* 374: 20150201, doi: 10.1098/rsta.2015.0201.
- [2] Ma, H., F. Qiao, and D. Dai, 2014, The effects of vertical viscosity coefficients with different distribution characteristics on classical Ekman spiral structure, *Science China, Earth Sciences*, 57: 693-702.
- [3] Huang, C. J., F. Qiao, and D. Dai, 2014, Evaluating CMIP5 simulations of mixed layer depth during summer, *J. Geophys. Res. Oceans*, 119, 2568-2582, doi: 10.1002/2013JC009535.
- [4] Huang, C. J., F. Qiao., D. Dai, H. Ma, and J. Guo, 2012, Field measurement of upper-ocean turbulence dissipation associated with wave-turbulence interaction in the South China Sea. *J. Geophys. Res.*, 117, C00J09, doi: 10.1029/2011JC007806.
- [5] Dai Dejun, Wang Wei, Zhang Qinghua, Qiao Fangli, Yuan Yeli, 2011, Eigen solutions of internal waves over subcritical topography, *Acta Oceanol. Sin.*, 30(2), 1-8.
- [6] Qiao F., Wang G., Zhao W., Zhao J., Dai D., Song Y., and Song Z., 2011, Predicting the spread of nuclear radiation from the damaged Fukushima Nuclear Power Plant. *Chinese Sci. Bull.*, 56, doi: 10.1007/s11434-011-4513-0.
- [7] Qiao F., Wang G., Lv X., and Dai D., 2011, Drift Characteristics of green macroalgae in the Yellow Sea in 2008 and 2010., *Chinese Sci. Bull.*, 56, doi: 10.1007/s11434-011-4551-7.
- [8] Dai Dejun, Fangli Qiao, W. Sulisz, Lei Han, A. Babanin, 2010, An experiment on the nonbreaking surface-wave-induced vertical mixing, *J. Phys. Oceanogr.*, 40,

2180-2188.

- [9] Fangli Qiao, Dejun Dai, John Simpson, Harald Svendsen, 2009, Banded structure of drifting macroalgae. *Mar. Pollut. Bull.*, doi:10.1016/j.marpolbul.2009.08.006., 58, 1792-1795.
- [10] Dai Dejun, Wang Wei, Qiao Fangli, Yuan Yeli, and Xiang Wenxi, 2008, Propagation of internal waves up continental slope and shelf, *Chinese Journal of Oceanography and Limnology*, 26(4), 450-458.
- [11] Dai Dejun, Wang Wei, Qiao Fangli, and Yuan Yeli, 2007, The equilibrium range of wind wave spectra: an explanation based on white noise, *Journal of Ocean University of China*, 6(4), 345-348.
- [12] Dai Dejun, Qiao Fangli, Wang Wei, and Yuan Yeli, 2007, Examination of wind wave frequency spectra by use of the Arcsine law. *China Ocean Engineering*, 21(1), 105-114.
- [13] Dejun Dai, Fangli Qiao, Changshui Xia, Kyung Tae Jung, 2006, A numerical study on dynamic mechanisms of seasonal temperature variability in the Yellow Sea. *J. Geophys. Res.*, 111, C11S05, doi:10.1029/2005JC003253.
- [14] Yeli Yuan, Quanan Zheng, Dejun Dai, Xiaomin Hu, Fangli Qiao, and Junmin Meng, 2006, The mechanism of internal waves in the Luzon Strait. *J. Geophys. Res.*, 111, C11S17, doi:10.1029/2005JC003198.