Acta Oceanologica Sinica

Vol. 36  No. 9  September  2017

CONTENTS

Articles

Physical Oceanography, Marine Meteorology and Marine Physics

1………………..  A dual-period response of the Kuroshio Extension SST to Aleutian Low activity in the winter season
   YU Peilong, ZHANG Lifeng, LIU Hu, LIU Xing, ZHU Juan

10……………….. The Rhines effect on the geographical characteristics of altimeter-observed eddies
   LIU Zhiliang, PANG Chongguang

15……………….. The analysis of gales over the “Maritime Silk Road” with remote sensing data
   LIU Yuanxin, YIN Xiaobin, XU Youping

23……………….. The multifractal spectrum of a sea clutter using a random walk model
   HE Jingbo, XU Jianghu

27……………….. An evaluation of new satellite-derived latent and sensible heat fluxes with moored buoy data, OAFlux and NCEP2
   reanalysis products
   ZHANG Lei, SHI Hanqing

39……………….. The research on boundary-layer evolution characteristics of Typhoon Usagi based on observations by wind profilers
   LIAO Fei, DENG Hua, GAO Zhiqiu, CHAN Pak-wai

45……………….. A case study of the consistency problem in the inverse estimation
   WEI Zhanhong, KANG Xianbiao, PEI Yuhua

Marine Geology

52……………….. Geochemical and microbial characters of sediment from the gas hydrate area in the Taixinan Basin, South China Sea
   GONG Junli, SUN Xiaoming, LIN Zhiyong, LU Hongfeng, LU Yongjun

65……………….. Basin modeling in the initial stage of exploration: a case study from the North Subbasin of the South Yellow Sea Basin
   PANG Yumao, ZHANG Xinhua, GUO Xingwei, XIAO Guolin, HAN Zuoze

79……………….. The application of three-dimensional seismic spectral decomposition and semblance attribute to characterizing the
depwater channel depositional elements in the Taranaki Basin of New Zealand
   LI Quan, WU Wei, YU Shui, KANG Hongquan, TONG Liqing, CAO Xiangyang, LIU Xiaoqiang

Marine Biology

87……………….. The biogeographical distribution of tree species-abundance and its relation to climatic factors in mass islands
   LI Xiaoming, WU Chengshen, GU Wu, YE Ran, ZHANG Haibo, QI Ping, WANG Shengqiang, ZHOU Siying,
   WEI Yongjie, CAI Yanhong
**Ocean Engineering**

91.................. An available formula of the sandy beach state induced by plunging waves

Jiang Changbo, Wu Zhiyuan, Chen Jie, Deng Bin, Long Yuannan, Li Lianjie

**Marine Technology**

101.................. An ocean current inversion accuracy analysis based on a Doppler spectrum model

Bao Qingliu, Zhang Youguang, Lin Mingsen, Gong Peng

**Marine Information Science**

108.................. Nonparametric estimations of the sea state bias for a radar altimeter

Miao Hongli, Jing Yujie, Jia Yongjun, Lin Mingsen, Zhang Guoshou, Wang Guizhong