The cruise observation of turbulent mixing in the upwelling region east of Hainan Island in the summer of 2012
LI Mingming, XIE Lingling, ZONG Xiaolong, ZHANG Shuwen, ZHOU Lei, LI Junyi

The observed tidal and residual currents in the Andaman Sea during the second half of 2016
LIU Yanliang, GUO Jingsong, WANG Haiwu, XUE Yuhuan, KHOKIATTIWONG Somkiat, YU Weidong

Relationship between a function of the northward pressure gradient and the Pacific Equatorial Undercurrent
CHEN Xuan, ZHENG Chongwei, WU Hui, YOU Xiaobao, LI Xunqiang, WANG Huipeng

A numerical study on the effect of tidal flat’s slope on tidal dynamics in the Xiangshan Bay, China
LI Li, YE Taoyan, HE Zhiguo, XIA Yuezhang

A new global gridded sea surface temperature product constructed from infrared and microwave radiometer data using the optimum interpolation method
SUN Weifu, WANG Jin, ZHANG Jie, MA Yi, MENG Junmin, YANG Lei, MIAO Junwei

An evaluation of sea surface height assimilation using along-track and gridded products based on the Regional Ocean Modeling System (ROMS) and the four-dimensional variational data assimilation
ZHOU Chaojie, DING Xiaohua, ZHANG Jie, YANG Jangeng, MA Qiang

Paleoenvironmental implications of the calcium isotope characteristics in the MD81349 from the Nintyeast Ridge in the Indian Ocean
WANG Feng, FANG Nianqiao, HU Chaoyong, GOLDSMITH Sarah, XU Yonghang, DING Xuan, WANG Aijun, CHEN Ping, BAO Rui

Smectite formation in metalliferous sediments near the East Pacific Rise at 13°N
RONG Kunbo, ZENG Zhigang, YIN Xuebo, CHEN Shuai, WANG Xiaoyuan, QI Haiyan, MA Yao

A numerical study for boundary layer current and sheet flow transport induced by a skewed asymmetric wave
CHEN Xin, ZHANG Zichao, WANG Fujun

Numerical modelling of nonlinear extreme waves in presence of wind
NING Dezhi, DU Jun, BAI Wei, ZHANG Chongwei, TENG Bin
Marine Technology

99.................. A novel ocean bathymetry technology based on an unmanned surface vehicle
JIN Jiucai, ZHANG Jie, SHAO Feng, LYU Zhichao, WANG Dong

107............... Recent satellite-derived sea ice volume flux through the Fram Strait: 2011–2015
BI Haibo, WANG Yunhe, ZHANG Wenfeng, ZHANG Zehua, LIANG Yu, ZHANG Yi, HU Wenmin, FU Min,
HUANG Haijun

News and Views

116 ................ A new type of internal solitary waves with a re-appearance period of 23 h observed in the South China Sea
CHEN Liang, ZHENG Quanan, XIONG Xuejun, YUAN Yeli, XIE Huarong