

# 海洋学报

ACTA OCEANOLOGICA SINICA

第 32 卷 第 4 期 2010 年 7 月

## 目次

### 论文

北部湾潮波数值研究·····	赵昌,吕新刚,乔方利	1
2008 年南海季风爆发前后西沙海域海气通量变化特征 ·····	孙启振,陈锦年,闫俊岳等	12
全球百年海表面温度年际和年代际变化特征分析·····	张锦婷,刘秦玉,武术	24
潜热通量异常对西北太平洋热带气旋活动影响的机理研究·····	白莉娜,任福民,宋金杰等	32
基于PMIP2 气候模式模拟的中全新世北大西洋涛动 ·····	张肖剑,靳立亚,俞飞等	41
2003 年北极科考期间一次极涡个例天气学分析 ·····	隋翠娟,孙兰涛,孟上等	51
东海陆扰海域铜、铅、锌、镉重金属排海通量及海洋环境容量估算 ·····	王长友,王修林,李克强等	62
夏季长江口无机氮的加入与转移·····	王奎,陈建芳,徐杰等	77
应用镭-226 解读南极普里兹湾表层水的来源与运移 ·····	郑敏芳,陈敏,杨俊鸿等	88
48 ka 以来日本海古生产力和古氧化还原环境变化的地球化学记录 ·····	邹建军,石学法,刘焱光等	98
台湾海峡西岸闽江口和九龙江口沉积物中碎屑锆石铀-铅定年及物源意义 ·····	徐勇航,陈坚	110
西沙海区碳酸盐台地地震反射特征及沉积模式·····	马玉波,吴时国,谷明峰等	118
冬季黄河口及邻近海域悬浮体粒级组成和分布研究·····	曾明,范德江,孙效功等	129
渤海底质沉积物粒度特征及输运趋势探讨·····	乔淑卿,石学法,王国庆等	139
热带、亚热带太平洋和南印度洋束毛藻的大尺度分布研究 ·····	张东声,王春生,王小谷等	148
南黄海夏季微微型浮游植物丰度的分布·····	屈佩,张学雷,王宗灵等	155
南海叶绿素 a 浓度垂直分布的统计估算·····	高姗,王辉,刘桂梅等	168

中国科协精品期刊工程项目资助期刊  
第二届国家期刊奖获奖期刊  
第三届中国科协优秀期刊奖获奖期刊  
中文核心期刊  
中国学术期刊综合评价数据库统计源期刊  
中国学术期刊全文数据库全文收录期刊  
中国核心期刊(遴选)数据库收录期刊  
中国科技论文统计源期刊  
中国科学引文数据库来源期刊  
美国《化学文摘》收录期刊  
《日本科技文献速报》收录期刊  
《中国生物学文摘》收录期刊  
中国生物学文献(遴选)数据库收录期刊

# ACTA OCEANOLOGICA SINICA

Vol. 32 No. 4 July 2010

## CONTENTS

### Articles

- Numerical study of the tidal waves in the Gulf of Tonkin ..... ZHAO Chang, LÜ Xin-gang, QIAO Fang-li 10
- The variation characteristics of air-sea fluxes over the Xisha area before and after the Onset of the South China Sea monsoon in 2008 ..... SUN Qi-zhen, CHEN Jin-nian, YAN Jun-yue, et al. 23
- The analysis of interannual and interdecadal characteristics of global sea surface temperature during 1902—2003 ..... ZHANG Jin-ting, LIU Qin-yu, WU Shu 31
- Mechanism for the role of latent heat flux variation on the activities of tropical cyclones in the western North Pacific ..... BAI Li-na, REN Fu-min, SONG Jin-jie, et al. 40
- Mid-Holocene NAO: Based on PMIP2 model simulations ..... ZHANG Xiao-jian, JIN Li-ya, YU Fei, et al. 50
- Case analysis of the polar vortex during Arctic research expedition in 2003 ..... SUI Cui-juan, SUN Lan-tao, MENG Shang, et al. 61
- The estimation of copper, lead, zinc and cadmium fluxes into the sea area of the East China Sea interferenced by terrigenous matter and their environmental capacities ..... WANG Chang-you, WANG Xiu-lin, Li Ke-qiang, et al. 74
- The relationship between dissolved inorganic nitrogen and fresh-saline water mixing during summer in the Changjiang Estuary and the adjacent East China Sea ..... WANG Kui, CHEN Jian-fang, XU Jie, et al. 86
- Radium-226 as a tracer for the source and movement of water masses in the Prydz Bay of Antarctica ..... ZHENG Min-fang, CHEN Min, YANG Jun-hong, et al. 97
- The geochemical records of paleoproductivity and paleoredox in the Sea of Japan since 48 ka ..... ZOU Jian-jun, SHI Xue-fa, LIU Yan-guang, et al. 109
- Uranium-lead dating of detrital zircons from the Minjiang and Jiulong Estuaries in the western coast of the Taiwan Strait; implication for its provenance ..... XU Yong-hang, CHEN Jian 117
- Seismic reflection characteristics and depositional model of carbonate platforms in Xisha sea area ..... MA Yu-bo, WU Shi-guo, GU Ming-feng, et al. 128
- The grain-size distribution of the suspended particulate matter in the Huanghe Estuary and its adjacent area in winter ..... ZENG Ming, FAN De-jiang, SUN Xiao-gong, et al. 138
- Discussion on grain-size characteristics of seafloor sediment and transport pattern in the Bohai Sea ..... QIAO Shu-qing, SHI Xue-fa, WANG Guo-qing, et al. 147
- The large-scale distribution of *Trichodesmium* in the tropical and subtropical Pacific Ocean and the southern Indian Ocean ..... ZHANG Dong-sheng, WANG Chun-sheng, WANG Xiao-gu, et al. 153
- The abundance distribution of picophytoplankton in the southern Huanghai Sea in summer ..... QU Pei, ZHANG Xue-lei, WANG Zhong-ling, et al. 167
- The statistical estimation of the vertical distribution of chlorophyll a concentration in the South China Sea ..... GAO Shan, WANG Hui, LIU Gui-mei, et al. 176