

# 海洋科学进展

## HAIYANG KEXUE JINZHAN

2019年 第37卷 第1期

### 目 次

#### 综 述

多波束声学底质分类研究进展与展望..... 唐秋华,纪 雪,丁继胜,周兴华,李 杰(1)

#### 研究论文

南海中尺度涡上海面热通量异常的季节变化..... 祖永灿,孙双文,赵 玮,李培良,刘宝超,方 越(11)

寒潮过程中长兴岛近岸水体后向声散射观测研究..... 杨壮春,杨光兵,王 红,陈 亮(22)

小型台式 EDXRF 现场快速测定深海沉积物中稀土元素 .....

..... 张 颖,汪虹敏,张 辉,王 赛,朱爱美,何莲花,刘季花,李传顺(32)

莱州湾地区滨海黄土研究..... 徐建国,张 涛,徐 华,张 卓,祁晓凡,纪汶龙(43)

黄河水下三角洲液化与未液化粉土的工程地质性质对比研究 .....

..... 宋玉鹏,孙永福,杜 星,董立峰,焦鹏飞(55)

潮滩含水量的临界光谱特性及反演模型研究..... 张孝严,李 欢,陈丽吉,李志远(65)

基于 GF-1 WFV 的黄河口湿地植被碳储量估算研究 .....

..... 王建步,张 杰,马 毅,任广波(75)

基于 FJPDA 关联算法的地波超视距雷达目标跟踪 .....

..... 杨启松,纪永刚,刘永信,王祎鸣(84)

基于“双冒泡法”的 SAR 影像冰山识别 .....

..... 舒 苏,柯长青,周兴华,唐秋华,汪献义,李海丽(92)

南海北部水层间及沉积表层细菌群落的比较分析..... 于淑贤,王寅初,李佳霖,庞云龙,秦 松(102)

基于微纳阵列的光度学海水透明度测量仪设计..... 任尚书,周树道,王 敏(115)

新型远距离验潮系统集成设计与研制..... 梁冠辉,陶常飞,周兴华,周东旭,王朝阳(129)

海岛环境下采石边坡的监测系统构建研究——以山东长山岛山后村为例 .....

..... 刘乐军,李培英,王东亮,赵 凯,高 伟,李 萍(140)

亚临界雷诺数下 V 型沟槽圆柱减阻数值模拟 .....

..... 钱 权,王国荣(150)

本期责任编辑:高 峻 英文审校:黄晓航 方 越 鄢全树 崔廷伟

期刊基本参数:CN37-1387/P \* 1983 \* q \* A4 \* 160 \* zh \* P \* ¥20.00 \* 1000 \* 15 \* 2019-01

## CONTENTS IN BRIEF

## REVIEWS

- Research Progress and Prospect of Acoustic Seabed Classification Using Multibeam Echo Sounder .....  
 ..... TANG Qiu-hua, JI Xue, DING Ji-sheng, ZHOU Xing-hua, LI Jie (1)

## ARTICLES

- Seasonal Characteristics and Mechanism of the Sea Surface Heat Fluxes Associated With Mesoscale Eddies  
 in the South China Sea .....  
 ..... ZU Yong-can, SUN Shuang-wen, ZHAO Wei, LI Pei-liang, LIU Bao-chao, FANG Yue (11)
- Observation of Acoustic Backscatter in Water Column During Cold Surge in Changxingdao Coastal Water  
 .....  
 ..... YANG Zhuang-chun, YANG Guang-bing, WANG Hong, CHEN Liang (22)
- Determination of Rare Earth Elements in Deep-sea Sediments by Energy-Dispersive X-Ray Fluorescence  
 Spectrometer On-board .....  
 ..... ZHANG Ying, WANG Hong-min,  
 ..... ZHANG Hui, WANG Sai, ZHU Ai-mei, HE Lian-hua, LIU Ji-hua, LI Chuan-shun (32)
- Study on Coastal Loess in the Laizhou Bay .....  
 ..... XU Jian-guo, ZHANG Tao, XU Hua, ZHANG Zhuo, QI Xiao-fan, JI Wen-long (43)
- Comparative Study on the Difference of Engineering Geological Characteristics Between Liquefied Silt and  
 Non-liquefied Silt in the Yellow River Delta .....  
 ..... SONG Yu-peng, SUN Yong-fu, DU Xing, DONG Li-feng, JIAO Peng-fei (55)
- Critical Spectral Characteristics and Moisture Retrieval Models of Intertidal Sediments .....  
 ..... ZHANG Xiao-yan, LI Huan, CHEN Li-ji, LI Zhi-yuan (65)
- Estimation of Vegetation Carbon Storage in the Yellow River Estuary Wetland Based on GF-1 WFV Satel-  
 lite Image .....  
 ..... WANG Jian-bu, ZHANG Jie, MA Yi, REN Guang-bo (75)
- Target Tracking of Surface Wave Over-The-Horizon Radars Based on FJPDA Algorithm .....  
 ..... YANG Qi-song, JI Yong-gang, LIU Yong-xin, WANG Yi-ming (84)
- Iceberg Identification From SAR Image Based on "Double Bubbling Method" .....  
 ..... SHU Su, KE Chang-qing, ZHOU Xing-hua, TANG Qiu-hua, WANG Xian-yi, LI Hai-li (92)
- Comparative Analysis of Bacteria Communities From Water and Surface Sediment in Northern South China  
 Sea .....  
 ..... YU Shu-xian, WANG Yin-chu, LI Jia-lin, PANG Yun-long, QIN Song (102)

## RESEARCH NOTES

- Design of Photometric Seawater Transparency Measurement Instrument Based on Micro-nano-array .....  
 ..... REN Shang-shu, ZHOU Shu-dao, WANG Min (115)
- Integrated Design and Development of a New Type Tide Gauge System Used in Open Sea .....  
 ..... LIANG Guan-hui, TAO Chang-fei, ZHOU Xing-hua, ZHOU Dong-xu, WANG Zhao-yang (129)
- Monitoring System Designing and Practicing for the Quarry Slope on Rock Island: a Case Study of Beich-  
 angsan Island, Shandong Province .....  
 ..... LIU Le-jun, LI Pei-ying, WANG Dong-liang, ZHAO Kai, GAO Wei, LI Ping (140)
- Numerical Simulation of Drag Reduction of V-Grooved Circular Cylinder at Subcritical Reynolds Number  
 .....  
 ..... QIAN Quan, WANG Guo-rong (150)