

# 《海岸工程》第 38 卷(2019 年)

## 总 目 次

### 第 1 期

- 潮汐河口环流、湍流、混合与层化的物理学 ..... 时 钟,熊龙兵,倪智慧,李 霞(1)
- 海岸带及其调查技术进展 ..... 李 平,谷东起,杜 军,徐国强,张志卫(32)
- 废轮胎多孔隙消波结构物特性之初期研究 .....  
叶子怡,王雪迎,倪旭晖,施俊超,陈燕玲,林嘉琪,巫子扬,王芳宇,黄劭华,郑剑豪,郑智超,林焰圭(40)
- 威海典型海滩沉积地貌及质量评价 ..... 吴 振(52)
- 盐度渐变过程对黄条鰺(*Seriola aureovittata*)幼鱼渗透调节的影响 .....  
史 宝,柳学周,刘永山,张言祥,高全义,徐永江,王 滨,姜 燕,宋雪松(63)
- 舟山潮差带海相沉积物的物理和化学特征 ..... 熊 站,汪明元,单冶钢,严 乾,王亚军,李 涛(71)
- 胶州湾水质自动站周边水质及运行效果分析 ..... 张晓红,崔文连,王艳玲,周相宙,梁祖星(77)

### 第 2 期

- 岛屿地形下的核电厂护岸防洪设计研究 ..... 张 俊,夏悟民,白 帆,吕志锋,吕迎雪(85)
- 超低频声压水听器设计仿真与测试 ..... 于砚廷,苏 伟,王 振,张 超,郑 轶(96)
- 海口湾人工填海前后冲淤演变数值模拟 ..... 张航飞,曾维特,吴多誉,张东强,王晓林(105)
- Civil 3D 在港区工程量计算中的应用 ..... 闫晓敏(115)
- 矩形双曲余弦型水深港池振荡的数值模拟 ..... 席苛梦,马小舟,王 岗,董国海(124)
- 北黄海北部海域潮余流的模拟研究 ..... 黄炳智,胡泽建,金永德,迟万清,刘鑫仓,刘 豪(134)
- “冰上丝绸之路”航线开发利用系统建设研究 ..... 李振福,李婉莹,蔡梅江(144)
- 沿海城市经济与环境协调关系的时空演变分析 ..... 徐 孟,刘大海,邢文秀,李 森(154)

### 第 3 期

- MPS 法高精度自由表面识别方法研究 ..... 王丽珠,蒋 勤,张长宽(165)
- 三亚湾海岸动力演变的数值模拟研究 ..... 严珍珍,杜小平,范湘涛(176)
- 箱型浮式消浪设施水动力特性研究 ..... 于定勇,谢雨嘉,黄东燕,赵建豪(187)
- 黄河河口“一水三流”行河方式研究 ..... 陈雄波,邱卫国,刘 娟(194)

多波束海底地形三维虚拟仿真研究..... 王楠,徐永臣,陶常飞(203)

河北曹妃甸沿海海平面变化分析..... 董美玲,邵杰,冯俊岭,于道永,吴海(210)

海底管道冲刷势流模型的改进..... 王俊勤,夏华永(217)

渤海湾潮致余流数值模拟研究..... 刘鑫仓,刘艳玲,迟万清,卢志勇,黄炳智(224)

水下井口探测技术研究..... 杨肖迪,姚志广,淳明浩,罗小桥(232)

低空遥感系统在海域监视监测方面的应用初探..... 姜万钧,阎忠辉,陶金波,马海静,刘爱东(240)

#### 第 4 期

基于对象及隶属规则的海岸水边线提取方法..... 毕京鹏,张丽,王萍,李通,杨昊翔,毕森(247)

基于水下滑翔机平台的湍流观测方法研究..... 谷有铭(261)

大连新港附近海域的水动力环境特征分析研究..... 胡超魁,李楠,赵海勃,田金,李安龙,王昆(272)

海南岛近岸海域夏、秋季浮游动物分布特征研究..... 谢福武,梁计林,邢孔敏(280)

长乐海上风电场水动力影响数值模拟研究..... 张永强,孙永福,王恩康,张莞君,胡泽建(293)

基于潮汐模型与余水位监控法的海图测量水位改正及应用.....  
..... 赵宇鹏,王墉成,王荣林,梁亮,关建启(304)

基于 EGM2008 模型的近海高程传递方法研究..... 于甲,曹立华,冯义楷(310)

辽宁盘锦典型填海工程海域使用后评估——以盘锦港 103#—104# 通用泊位填海工程为例.....  
..... 张云,龚艳君,付杰,李轶平,张笑,尤广然,刘明(316)

# COASTAL ENGINEERING

Vol. 38, 2019

## CONTENTS IN BRIEF

### No. 1

- The Physics of Circulation, Turbulence, Mixing and Stratification in Tidal Estuaries .....  
..... *SHI John Zhong, XIONG Long-bing, NI Zhi-hui, LI Xia* (1)
- Progress in Coastal-Zone Survey and Technology .....  
..... *LI Ping, GU Dong-qi, DU Jun, XU Guo-qiang, ZHANG Zhi-wei* (32)
- An Experimental Study on Characteristics of Waste Tire Perforated-Type Wave Dissipation Structure ...  
*YE Zi-yi, WANG Xue-ying, NI Xu-hui, SHI Jun-chao, CHEN Yan-ling, LIN Jia-qi, WU Zi-yang,*  
*WANG Fang-yu, HUANG Shao-hua, ZHENG Jian-hao, ZHENG Zhi-chao, LIN Jaw-guei* (40)
- Sedimentary Geomorphology and Quality Evaluation of Typical Beaches in Weihai ..... *WU Zhen* (52)
- Effects of Gradual Salinity Change on Osmotic Regulation of Juvenile Yellowtail Kingfish (*Seriola aureo-*  
*vittata*) ..... *SHI Bao, LIU Xue-zhou, LIU Yong-shan, ZHANG Yan-xiang,*  
*GAO Quan-yi, XU Yong-jiang, WANG Bin, JIANG Yan, SONG Xue-song* (63)
- Physical and Chemical Characteristics of Marine Sediments in the Offshore of Zhoushan .....  
... *XIONG Zhan, WANG Ming-yuan, SHAN Zhi-gang, YAN Qian, WANG Ya-jun, LI Tao* (71)
- Analysis of Water Quality at and Running Effect of the Automatic Monitoring Station in the Jiaozhou Bay  
*ZHANG Xiao-hong, CUI Wen-lian, WANG Yan-ling, ZHOU Xiang-zhou, LIANG Zu-xing* (77)

### No. 2

- Research on the Design of Flood Control for the Revetment of Nuclear Power Plant in the Case of Island  
Topography ..... *ZHANG Jun, XIA Wu-min, BAI Fan, LÜ Zhi-feng, LÜ Ying-xue* (85)
- Design, Simulation and Test of Ultra-Low Frequency Sound Pressure Hydrophone .....  
..... *YU Yan-ting, SU Wei, WANG Zhen, ZHANG Chao, ZHENG Yi* (96)
- Numerical Simulation of Scouring and Silting Evolution in the Haikou Bay Before and After Artificial Rec-  
lamations ... *ZHANG Hang-fei, ZENG Wei-te, WU Duo-yu, ZHANG Dong-qiang, WANG Xiao-lin* (105)
- Application of Civil 3D in Engineering Quantity Calculation of the Port Area ..... *YAN Xiao-min* (115)
- Numerical Simulation of Transverse Oscillations in a Rectangular Port Pool With Hyperbolic-cosine Water  
Depth ..... *XI Ke-meng, MA Xiao-zhou, WANG Gang, DONG Guo-hai* (124)
- Simulation Analysis of Tidal Residual Currents in the Northern Part of the North Yellow Sea .....  
*HUANG Bing-zhi, HU Ze-jian, JIN Yong-de, CHI Wan-qing, LIU Xin-cang, LIU Hao* (134)
- Research on Construction of the System for Developing and Utilizing the Sea Routes of “Ice Silk Road”  
..... *LI Zhen-fu, LI Wan-ying, CAI Mei-jiang* (144)
- Spatial-Temporal Evolution of the Coordination Relationship Between Economy and Environment in  
Coastal Cities ..... *XU Meng, LIU Da-hai, XING Wen-xiu, LI Sen* (154)

### No. 3

- Study on the Method for High-Precision Free Surface Identification in MPS Method .....  
..... WANG Li-zhu, JIANG Qin, ZHANG Chang-kuan(165)
- Numerical Simulation of Coastal Dynamic Evolution of the Sanya Bay .....  
..... YAN Zhen-zhen, DU Xiao-ping, FAN Xiang-tao(176)
- Study on Hydrodynamic Characteristics of Floating Box-Type Wave-Dissipating Facilities .....  
..... YU Ding-yong, XIE Yu-jia, HUANG Dong-yan, ZHAO Jian-hao(187)
- Study on the Operation Mode of “One River, Three Distributaries” in the Yellow River Estuary .....  
..... CHEN Xiong-bo, QIU Wei-guo, LIU Juan(194)
- Research on 3D Visualization of Multi-Beam Seabed Terrain .....  
..... WANG Nan, XU Yong-chen, TAO Chang-fei(203)
- Analysis on the Sea Level Changes in the Caofeidian Coastal Area of Hebei Province .....  
..... DONG Mei-ling, SHAO Jie, FENG Jun-ling, YU Dao-yong, WU Hai(210)
- Improvements of Potential Flow Model for Submarine Pipeline Scour .....  
..... WANG Jun-qin, XIA Hua-yong(217)
- Numerical Simulation of Tide-Induced Residual Current in the Bohai Bay .....  
..... LIU Xin-cang, LIU Yan-ling, CHI Wan-qing, LU Zhi-yong, HUANG Bing-zhi(224)
- Research on Detection Technology of Subsea Well Mouth .....  
..... YANG Xiao-di, YAO Zhi-guang, CHUN Ming-hao, LUO Xiao-qiao(232)
- Preliminary Application of UAV Low-Altitude Remote Sensing System in Maritime Surveillance and Monitoring .....  
..... JIANG Wan-jun, YIN Zhong-hui, TAO Jin-bo, MA Hai-jing, LIU Ai-dong(240)

### No. 4

- Algorithm for Extracting Transient Coastal Water Edge Line Based on Object and Membership Rule ...  
..... BI Jing-peng, ZHANG Li, WANG Ping, LI Tong, YANG Hao-xiang, BI Sen(247)
- Study on the Turbulence Measurement Method Based on Underwater Glider Platform ... GU You-ming(261)
- Study on Hydrodynamic Characteristics in Sea Area near the Dalian New Port .....  
..... HU Chao-kui, LI Nan, ZHAO Hai-bo, TIAN jin, LI An-long, WANG Kun(272)
- Distribution Characteristics of Zooplankton in Summer and Autumn in the Coastal Waters of Hainan Island  
..... XIE Fu-wu, LIANG Ji-lin, XING Kong-min(280)
- Numerical Simulation of Hydrodynamic Influence in the Changle Offshore Wind Farm .....  
..... ZHANG Yong-qiang, SUN Yong-fu, WANG En-kang, ZHANG Wan-jun, HU Ze-jian(293)
- Water Level Correction in Chart Measurement by Using Tidal Model and Residual Water Level Monitoring  
Method .....  
..... ZHAO Yu-peng, WANG Yong-cheng, WANG Rong-lin, LIANG Liang, GUAN Jian-qi(304)
- Research on Method for Offshore Elevation Transmission Based on EGM2008 Model .....  
..... YU Jia, CAO Li-hua, FENG Yi-kai(310)
- Post Assessment of Sea Area Use in Typical Reclamation Project in Panjin of Liaoning Province——Take the Recla-  
mation Project of 103#—104# General Berths in Panjin Port as an Example ..... ZHANG Yun,  
GONG Yan-jun, FU Jie, LI Yi-ping, ZHANG Xiao, YOU Guang-ran, LIU Ming(316)