

《海岸工程》第 39 卷(2020 年)

总 目 次

第 1 期

海洋环境影响评价及生态修复研究进展与展望	唐得昊,夏 真,崔振昂,甘华阳,侯建梅,刘兴健(1)
波浪与抛石潜堤相互作用的 MPS 法数值模型研究	张永兰,蒋 勤,王丽珠(13)
舟山群岛表层沉积物粒度和黏土矿物分布特征与物源指示	沈昆明,蒋玉波,李安龙,翟 滨(24)
EOF 重构声速剖面对深水多波束的声速改正分析	张孝首,周兴华,唐秋华,王盼龙,丁继胜,王永康(34)
WEC—透空式防波堤集成装置能量转换效率研究	毛艳军,马小舟(44)
广州港南沙港区板桩码头结构设计方案比选分析	刘洪超,李 华(53)
旅游海滩质量评价在海滩管理中的应用研究——以南澳岛青澳湾海滩为例	张环宇,张志卫,孙永福(60)
人工海岸生态化改造及修复效果评价指标体系研究	王文渊,徐长坤,孙家文(70)

第 2 期

黄河三角洲工程防护区海床侵蚀过程与不稳定性评估	凡姚申,陈沈良,窦身堂,于守兵,杜小康(77)
脐带缆铠装层参数对拉伸行为的影响分析	刘文青,郭海燕,陈洪程(86)
基于磁异常检测的海底管道探测技术研究与应用	淳明浩,姚志广,杨肖迪,罗小桥,徐 爽(94)
侧扫声呐原始数据解析与可视化显示	赵 昆,王方旗,丁继胜,隋海琛,许方正(103)
前墙结构对 OWC 气室捕能效果影响的数值研究	曲 铭,于定勇,王世林,康 骁(111)
岛礁环境波浪传播、雍水及越浪量 2D 模型试验研究	李玉龙,夏运强,柳玉良(119)
孔压静力触探在确定砂土内摩擦角中的应用	王虎刚,贾 巍(124)
Fraunhofer 漂浮式雷达与固定式测风塔测试阶段结果对比	王 强,王 通,路继宁(130)
无人机正射影像辅助无人船测深作业方法探讨	栾 天,聂仁奇(142)
广西海洋功能区划实施评估及空间规划启示	曹庆先,宁秋云,陆少梅,李 梦(148)

第 3 期

广西钦州茅尾海综合整治水动力影响研究	夏长水,陈振华,韦重霄,薛宇欢,张 栋,宋卫杰,张 良(157)
综合地球物理方法在海底管道检测中的应用——以舟山大陆引水工程为例	王恒波(169)
盐度对南极冰藻 <i>Chlamydomonas</i> sp. ICE-L 细胞膜流动性及其脂肪酸脱氢酶基因表达的影响 张 欣,慕晓青,缪锦来,郑 洲(179)

海底浅层气探测识别方法研究 杨肖迪,马瑞民,罗小桥,姚志广(187)

基于无人测量船的人工鱼礁投放空方量测量与评估..... 赵晓龙,夏 涛,张秋艳(196)

深水防波堤新型消浪护面块体开发及其性能参数测试研究..... 戈龙仔,高 峰,陈汉宝(204)

南海北部夏季定点实测波浪统计分析 卢 燕,王冠琳,王道龙,王新怡(213)

石臼港区近岸海域春季游泳动物群落结构浅析 王尽文,黄 娟,孙 滨,朱丽岩,张 亮,张乃星(224)

海湾地区复杂地形测量方法研究 禹云亮,侯 健,魏明刚,曾淑辉(231)

第 4 期

碟形越浪式波能发电装置的三维数值模拟..... 刘大方,刘 臻,张国梁(237)

连云港圩子口海域潮动力特征及其变化 邹春蕾,王志力,甄 峰,徐 欢(246)

南海北部海域油气勘探保障建设选址适宜性研究 武二亮,陈浩东,刘裕光,安永宁(256)

水上振动沉管碎石桩施工关键技术应用 吴松华,章哲华(263)

湛江某海上风电桩基局部冲刷特征研究 潘冬冬,李健华,周 川,王 俊(271)

无居民海岛前大连岛的原自然海岸特征..... 路 波,张丰收,周晓静,杜恩程,姜 源,袁 萍,肖玉仲(279)

海底管道在位状态调查实践..... 陈冠军,郝高建,刘在科,冯湘子,陈岱新(287)

基于能值生态足迹的海岛可持续性评估——以舟山为例 李玉杰,赵 晟(297)

广州海洋观测网规划建设及观测数据应用探讨 马荣华,范儒彬(309)

COASTAL ENGINEERING

Vol. 39, 2020

CONTENTS IN BRIEF

No. 1

Progress and Prospect of Marine Environmental Impact Assessment and Ecological Restoration
TANG De-hao, XIA Zhen, CUI Zhen-ang, GAN Hua-yang, HOU Jian-mei, LIU Xing-jian(1)

Numerical Study of Wave Interaction with Permeable Structures by Using MPS Seepage Flow Model ...
..... *ZHANG Yong-lan, JIANG Qin, WANG Li-zhu*(13)

Distributions of Grain Size and Clay Minerals in the Surface Sediments of Zhoushan Islands and Their Material Source Indication *SHEN Kun-ming, JIANG Yu-bo, LI An-long, ZHAI Bin*(24)

Analysis on Correction of Deep Water Multi-beam Sound Velocity Using Sound Velocity Profiles Reconstructed by EOF *ZHANG Xiao-shou, ZHOU Xing-hua, TANG Qiu-hua, WANG Pan-long, DING Ji-sheng, WANG Yong-kang*(34)

Study on Wave Energy Conversion Efficiency of the Device Integrated by WEC and Permeable Breakwater
..... *MAO Yan-jun, MA Xiao-zhou*(44)

Comparison and Analysis of Structural Design Schemes of Sheet Piled Wharf in Xinsha Port Area of Guangzhou

Port	<i>LIU Hong-chao , LI Hua</i> (53)
Study on the Application of Tourism Beach Quality Evaluation in Beach Management; Taking Qing'ao Bay Beach of Nan'ao Island as the Example	<i>ZHANG Huan-yu , ZHANG Zhi-wei , SUN Yong-fu</i> (60)
Study on Evaluation Index System of the Effect of Ecological Transformation and Restoration in the Artificial Coasts	<i>WANG Wen-yuan , XU Chang-kun , SUN Jia-wen</i> (70)

No. 2

Seabed Erosion Process and Instability Assessment in the Engineering Protection Zone of the Yellow River Delta	<i>FAN Yao-shen , CHEN Shen-liang , DOU Shen-tang , YU Shou-bing , DU Xiao-kang</i> (77)
Analysis on the Influence of Armor Layer Parameters of Umbilical Cable on Tensile Behavior	<i>LIU Wen-qing , GUO Hai-yan , CHEN Hong-cheng</i> (86)
Research and Application of Submarine Pipeline Detection Technology Based on Magnetic Anomaly Detection	<i>CHUN Ming-hao , YAO Zhi-guang , YANG Xiao-di , LUO Xiao-qiao , XU Shuang</i> (94)
Decoding and Visualization of Raw Data of Side-scan Sonar	<i>ZHAO Kun , WANG Fang-qi , DING Ji-sheng , SUI Hai-chen , XU Fang-zheng</i> (103)
Numerical Study on the Influence of Front Wall Structure on Energy Capture Effect of OWC Chamber	<i>QU Ming , YU Ding-yong , WANG Shi-lin , KANG Xiao</i> (111)
2D Model Experimental Study of Wave Transformation, Setup and Overtopping in Island Reef Environment	<i>LI Yu-long , XIA Yun-qiang , LIU Yu-liang</i> (119)
Application of PCPT Data to the Determination of Internal Friction Angle of Sandy Soil	<i>WANG Hu-gang , JIA Wei</i> (124)
Comparison of the Data Measured by Fraunhofer IWES Buoy and Fixed Wind Tower in Testing Stage	<i>WANG Qiang , WANG Tong , LU Ji-ning</i> (130)
Discussion on Operation Method of UAV Orthophoto Assisted Unmanned Ship Sounding	<i>LUAN Tian , NIE Ren-qi</i> (142)
The Implement Effect Evaluation of Guangxi Marine Functional Zoning and Its Inspiration to Spatial Planning	<i>CAO Qing-xian , NING Qiu-yun , LU Shao-mei , LI Meng</i> (148)

No. 3

Study on Hydrodynamic Influence Induced by Comprehensive Regulation of the Maowei Sea in Qinzhou, Guangxi Province	<i>XIA Chang-shui , CHEN Zhen-hua , WEI Chong-xiao , XUE Yu-huan , ZHANG Dong , SONG Wei-jie , ZHANG Liang</i> (157)
Integrated Application of Multiple Marine Geophysical Approaches in Submarine Pipeline Detection; A Case of Zhoushan Continental Water Diversion Project	<i>WANG Heng-bo</i> (169)
Effects of Salinity on Cell Membrane Fluidity and Fatty Acid Desaturases Gene Expression of Antarctic Ice Algae <i>Chlamydomonas</i> sp. ICE-L	<i>ZHANG Xin , QI Xiao-qing , MIAO Jin-lai , ZHENG Zhou</i> (179)
Study on the Methods for Detection and Identification of Sub-seabed Shallow Gases	<i>YANG Xiao-di , MA Rui-min , LUO Xiao-qiao , YAO Zhi-guang</i> (187)

Surveying and Evaluation of Earthwork Volume of Artificial Reefs Using Unmanned Surface Vehicle	<i>ZHAO Xiao-long , XIA Tao , ZHANG Qiu-yan</i> (196)
New Shaped Wave Dissipating and Armor Block for Deepwater Breakwater and Its Performance Parameter Testing	<i>GE Long-zai , GAO Feng , CHEN Han-bao</i> (204)
Statistical Analysis of the Waves Measured at Fixed Points in the Northern South China Sea in Summer	<i>LU Yan , WANG Guan-lin , WANG Dao-long , WANG Xin-yi</i> (213)
Analysis on Community Structure of Nekton in the Coastal Waters of Shijiu Port in Spring	<i>WANG Jin-wen , HUANG Juan , SUN Bin , ZHU Li-yan , ZHANG Liang , ZHANG Nai-xing</i> (224)
Research on the Method of Complex Topographic Survey in the Gulf Region	<i>YU Yun-liang , HOU Jian , WEI Ming-gang , ZENG Shu-hui</i> (231)

No. 4

3D Numerical Simulation of the Overtopping Performance of Circular Ramp Wave Energy Convertor	<i>LIU Da-fang , LIU Zhen , ZHANG Guo-liang</i> (237)
Dynamic Characteristics and Changes of Tidal Current in the Liezikou Sea Area, Lianyungang	<i>ZOU Chun-lei , WANG Zhi-li , ZHEN Feng , XU Huan</i> (246)
Suitability of the Sites Selected for Oil and Gas Exploration Support Construction in Northern South China Sea	<i>WU Er-liang , CHEN Hao-dong , LIU Yu-guang , AN Yong-ning</i> (256)
Application of Key Technology for Construction of on-Water Vibration Sinking-Pipe Gravel Piles	<i>WU Song-hua , ZHANG Zhe-hua</i> (263)
Study on Local Scour Characteristics of Wind Power Pile Foundation in Offshore Wind Farm in Zhanjiang	<i>PAN Dong-dong , LI Jian-hua , ZHOU Chuan , WANG Jun</i> (271)
Original Natural Coast Characteristics of the Uninhabited Qiandalian Island	<i>LU Bo , ZHANG Feng-shou , ZHOU Xiao-jing , DU En-cheng , JIANG Yuan , YUAN Ping , XIAO Yu-zhong</i> (279)
Survey Practice of Submarine Pipeline In-Position State	<i>CHEN Guan-jun , HAO Gao-jian , LIU Zai-ke , FENG Xiang-zi , CHEN Dai-xin</i> (287)
Evaluation of Island Sustainability Based on Emergy Ecological Footprint; Taking Zhoushan as a Case	<i>LI Yu-jie , ZHAO Sheng</i> (297)
Discussion on Construction of Ocean Observing Network and Data Application in Guangzhou	<i>MA Rong-hua , FAN Ru-bin</i> (309)