

《海岸工程》第 40 卷(2021 年)

总 目 次

第 1 期

南海主要岛礁概率海啸风险评估	赵广生,牛小静(1)
涌浪作用下港内波况试验研究	李 辉,毛艳军,王昊天,桑高亚,郑振钧,马小舟(10)
振荡水柱波能装置冲击式空气透平优化数值模拟研究	张 真,刘 臻,张晓霞(20)
琼东北海湾海滩地形年度变化特征对比分析	吴多誉,张航飞,张东强,符广卷(29)
上海某污水厂排水口邻近海域浮游植物群落与水质评价	庾 畅,张艺玟,刘 静,尹 杰(37)
胶莱运河的修建对莱州湾水交换及海洋环境影响初探	苏 博,朱金龙,王佳莹,赵玉庭,王立明,马元庆(48)
SeaBeam 全海深多波束测深系统及应用	李治远,豆虎林,张海泉(59)
基于生态化人工海岸建设的理论研究与应用——以天津永定新河口综合整治修复工程为例	乔延龙,殷小亚,张正鑫(68)
区块链技术在海洋领域的应用与展望	韩璐遥,梁建峰,宋 晓,郑 兵(76)

第 2 期

大型河口三角洲地面沉降机制研究——以黄河三角洲为例	付云霞,管 勇,王晓丹,王建收,尹 政,周晓雪,王 青,徐美君(83)
全回转起重船压载调拨方案优化决策分析	孟 珣,唐 品,李德江,孙龙龙(96)
防波拦沙堤在人工沙滩设计中的应用研究	周赢涛,王为群,张宸豪,陆 杨(107)
三亚新机场工程海岸侵蚀补沙措施效果研究	刘 针,程永舟,戈龙仔,夏 波(121)
山东芝罘湾附近海域浅地层结构特征	顾效源,王 伟(131)
人工沙滩工程水体水质净化数值模拟研究	李晓霜,崔海涛,杜小骏(140)
浅地层剖面测量常见干扰因素分析	刘宏扬,张异彪,李 斌,李俊杰,蔡春麟,唐松华,刘大鹏(148)
海南省沿岸警戒潮位标志物建设探究	陈 周,符焯全,王青颜,熊嘉才,石海莹,李孟植,朱万里(157)

第 3 期

近 31 年中国近海潮位潮流数据库的建立及极值分析	赵建春,赵生校,赵朝志,张 哲,时 健,童朝锋(165)
气压扰动时空特征参数对港湾共振的影响	孙秋艺,牛小静(178)

潮流能水轮机尾流场及涡特性 DDES 模拟	何 聪, 史宏达, 张 焱, 赵昌宇, 翟仁彬(187)
气泡帷幕拦浑效率试验研究	常聪聪, 翟建国, 黄筱云, 黄瑞启(196)
基于 GNSS 技术的波浪浮标测波方法研究	田 力, 刘 杨, 李梦昊, 刘焱雄(206)
几种穿刺分析法在自升式钻井平台插桩中的探讨.....	余 稳, 蔡龙龙, 刘剑涛(214)
渤海海峡老铁山水道基底埋深特征.....	顾效源, 王 伟, 何 磊(226)
海洋工程影响下连云港徐圩海域海洋水环境变化	邵 帅, 张爱军, 张晶晶, 胡亚斌, 王以斌, 臧家业(232)
海洋工程环境影响后评价指标体系构建与评价 汤 倩, 闫玉茹, 葛 松, 梁飞刚, 万凯超, 刘 群, 刘海月, 肖文峰(242)

第 4 期

地震触发海底滑坡物理模型及数学模型试验分析	李佳林, 冯秀丽, 刘 隆(249)
柱形内波观测浮标的设计与稳定性分析	刘 浩, 陈 亮, 王火平, 连伟琪, 曲志平, 熊学军(261)
基于全球潮汐模型的东海海域潮汐性质空间分布.....	邬红涛(269)
海岸侵蚀灾害区域风险评估——以海口海岸侵蚀灾害为例	王伟伟, 马恭博, 王传珺, 高一鉴, 袁 蕾(277)
自升式平台穿刺风险随钻评估机制及其应用	龙 黎, 刘 宾, 刘 铮, 薛志刚, 孙永全, 郑前进, 陈焱森(284)
海上搜寻理论方法与搜救决策支持系统现状及发展.....	杨克巍, 梁笑天, 郭 琦, 杨清清, 姜 江(291)
基于 VAR 模型的海洋生态与海洋经济发展相关性研究——以渤海沿岸天津市为例 冯丽君, 李凡群, 余 乐(303)
航次报告管理系统建设.....	宋转玲, 王 雯, 宋庆磊, 丁 明, 李新放, 孙 宇, 王 洁(313)
大洋样品在线服务系统的设计与实现.....	候成飞, 闫仕娟, 黄 牧, 孙富强, 李俊飞, 李 娜, 孙裔婷(326)

COASTAL ENGINEERING

Vol. 40, 2021

CONTENTS IN BRIEF

No. 1

Probabilistic Tsunami Risk Assessment of Main Islands and Reefs in the South China Sea ZHAO Guang-sheng, NIU Xiao-jing(1)
Experimental Study on the State of Waves Within Harbor Under the Action of Surges LI Hui, MAO Yan-jun, WANG Hao-tian, SANG Gao-ya, ZHENG Zhen-jun, MA Xiao-zhou(10)
Numerical Study on Optimization of Impulse Air Turbines for OWC Wave Energy Conversion ZHANG Zhen, LIU Zhen, ZHANG Xiao-xia(20)
Annual Changes Characteristics of Beach Topography in the Northeastern Bays of Hainan Province WU Duo-yu, ZHANG Hang-fei, ZHANG Dong-qiang, FU Guang-juan(29)

Structural Analysis of Phytoplankton Community in Adjacent Waters of a Sewage Treatment Plant in Shanghai *YU Yang, ZHANG Yi-wen, LIU Jing, YIN Jie*(37)

A Simulation Study on Influence of the Construction of Jiaolai Canal on the Water Exchange and Marine Environment in the Laizhou Bay
SU Bo, ZHU Jin-long, WANG Jia-ying, ZHAO Yu-ting, WANG Li-ming, MA Yuan-qing(48)

SeaBeam Full-Depth Multi-beam Echo-sounder System and Its Application
..... *LI Zhi-yuan, DOU Hu-lin, ZHANG Hai-quan*(59)

Theoretical Research and Application of Artificial Coastal Ecological Restoration Based on Ecological Construction; a Case Study in Tianjin Yongding New River Estuary Comprehensive Rehabilitation Project
..... *QIAO Yan-long, YIN Xiao-ya, ZHANG Zheng-xin*(68)

Application and Prospect of Blockchain Technology in Marine Fields
..... *HAN Lu-yao, LIANG Jian-feng, SONG Xiao, ZHENG Bing*(76)

No. 2

Research on Land Subsidence Mechanisms of Mega-river Deltas; Taking the Yellow River Delta as the Case ...
..... *FU Yun-xia, GUAN Yong,*
WANG Xiao-dan, WANG Jian-shou, YIN Zheng, ZHOU Xiao-xue, WANG Qing, XU Mei-jun(83)

Analysis of Optimization and Decision-Making of Ballast Allocation Scheme for Revolving Crane Vessel ...
..... *MENG Xun, TANG Pin, LI De-jiang, SUN Long-long*(96)

Application of Anti-Wave Sediment Barrier in the Design of Artificial Beach
..... *ZHOU Ying-tao, WANG Wei-qun, ZHANG Chen-hao, LU Yang*(107)

Study on the Effect of Sand Compensation Measures for Coastal Erosion of Sanya New Airport Project
..... *LIU Zhen, CHENG Yong-zhou, GE Long-zai, XIA Bo*(121)

Characteristics of the Shallow Stratigraphic Structure in the Sea Area Near the Zhifu Bay, Shandong
..... *GU Xiao-yuan, WANG Wei*(131)

Numerical Simulation of Water Quality Purification of Engineering Water Body in the Artificial Beach ...
..... *LI Xiao-shuang, CUI Hai-tao, DU Xiao-tao*(140)

Analysis of Common Interference Factors in the Measurement of Shallow Stratum Profile
..... *LIU Hong-yang,*
ZHANG Yi-biao, LI Bin, LI Jun-jie, CAI Chun-lin, TANG Song-hua, LIU Da-peng(148)

Study on the Construction of Warning Tide Level Markers Along the Coast of Hainan Province
..... *CHEN Zhou,*
FU Ye-quan, WANG Qing-yan, XIONG Jia-cai, SHI Hai-ying, LI Meng-zhi, ZHU Wan-li(157)

No. 3

Database Construction and Extreme Value Analysis of Tide Level and Tidal Current in the Coastal Waters of China in the Last 31 Years *ZHAO Jian-chun,*
ZHAO Sheng-xiao, ZHAO Chao-zhi, ZHANG Zhe, SHI Jian, TONG Chao-feng(165)

Impact of Moving Atmospheric Pressure Disturbances on Harbor Resonance	<i>SUN Qiu-yi, NIU Xiao-jing</i> (178)
Simulation of Wake Field and Vortex Properties of Tidal Turbine Based on DDES	<i>HE Cong, SHI Hong-da, ZHANG Qin, ZHAO Chang-yu, ZHAI Ren-bin</i> (187)
An Experimental Study on the Efficiency of Bubble Curtain Intercepting Turbid Water	<i>CHANG Cong-cong, ZHAI Jian-Guo, HUANG Xiao-yun, HUANG Rui-qi</i> (196)
Research on the Method for Wave Measurement by Wave Buoy Based on GNSS Technology	<i>TIAN Li, LIU Yang, LI Meng-hao, LIU Yan-xiong</i> (206)
Discussion on the Methods for Punch-Through Analysis in the Footing Penetration of Jack-up Rig	<i>SHE Wen, CAI Long-long, LIU Jian-tao</i> (214)
Characteristics of Basement Burial Depth of the Laotieshan Channel in the Bohai Strait	<i>GU Xiao-yuan, WANG Wei, HE Lei</i> (226)
Variations of Marine Environment in the Xuwei Coastal Waters of Lianyungang Under the Influence of Marine Engineering	<i>SHAO Shuai, ZHANG Ai-jun, ZHANG Jing-jing, HU Ya-bin, WANG Yi-bin, ZANG Jia-ye</i> (232)
Construction and Evaluation of the Index System of Post-Assessment of Environmental Impact in Marine Engineering	<i>TANG Qian, YAN Yu-ru, GE Song, LIANG Fei-gang, WAN Kai-chao, LIU Qun, LIU Hai-yue, XIAO Wen-feng</i> (242)

No. 4

Experimental Analysis of Physical and Mathematical Models for Earthquakes Triggering Submarine Landslides	<i>LI Jia-lin, FENG Xiu-li, LIU Long</i> (249)
Design and Stability Analysis of Cylindrical Inner Wave Observation Buoy	<i>LIU Hao, CHEN Liang, WANG Huo-ping, LIAN Wei-qi, QU Zhi-ping, XIONG Xue-jun</i> (261)
Spatial Distribution of Tidal Properties in the East China Sea Based on the Global Tidal Model	<i>WU Hong-tao</i> (269)
Regional Risk Evaluation of Coastal Erosion Hazards: a Case Study of Coastal Erosion Hazard in Haikou	<i>WANG Wei-wei, MA Gong-bo, WANG Chuan-jun, GAO Yi-jian, YUAN Lei</i> (277)
A While-Drilling Evaluation System for the Punch-Through Risk of Jack-up Drilling Platform During Pre-loading and its Application	<i>LONG Li, LIU Bin, LIU Zheng, XUE Zhi-gang, SUN Yong-quan, ZHENG Qian-jin, CHEN Yao-sen</i> (284)
Status and Development of Maritime Search Theory and Search and Rescue Decision Support System	<i>YANG Ke-wei, LIANG Xiao-tian, GUO Yu, YANG Qing-qing, JIANG Jiang</i> (291)
Research on the Correlation Between Marine Ecological Conditions and Marine Economic Development in Tianjin Based on VAR Model	<i>FENG Li-jun, LI Fan-qun, YU Le</i> (303)
Construction of Voyage Report Management System	<i>SONG Zhuan-ling, WANG Wen, SONG Qing-lei, DING Ming, LI Xin-fang, SUN Yu, WANG Jie</i> (313)
Design and Implementation of Ocean Sample Online Service System	<i>HOU Cheng-fei, YAN Shi-juan, HUANG Mu, SUN Fu-qiang, LI Jun-fei, LI Na, SUN Yi-ting</i> (326)