

《海洋工程》2023 年总目次, 第 41 卷, 第 1~6 期

THE OCEAN ENGINEERING Contents of Vol. 41, No. 1~6, 2023

第 41 卷, 第 1 期, 2023 年 1 月 Vol. 41, No. 1, Jan., 2023

李绍武, 陈天慧, 廖智凌, 柳叶. 浅滩地形上波浪破碎对低频波能放大的影响[J]. 海洋工程, 2023, 41(1): 1-11. (LI S W, CHEN T H, LIAO Z L, LIU Y. Effects of wave breaking on the evolution of low-frequency wave energy over shoal topography[J]. The Ocean Engineering, 2023, 41(1): 1-11. (in Chinese))

程永舟, 郑余伟, 李典麒, 程海洋, 徐立君. 沙质岸坡上波浪传播变形及动力响应特性研究[J]. 海洋工程, 2023, 41(1): 12-19. (CHENG Y Z, ZHENG Y W, LI D Q, CHENG H Y, XU L J. Characteristics of wave propagation deformation and dynamic response on sandy shore slopes[J]. The Ocean Engineering, 2023, 41(1): 12-19. (in Chinese))

孔秋平, 刘炎, 郑敬宾, 王栋, 罗承浩, 郭琼玲. 新型平台桩靴在“砂-黏”地层中穿刺的数值模拟研究[J]. 海洋工程, 2023, 41(1): 20-28. (KONG Q P, LIU Y, ZHENG J B, WANG D, LUO C H, GUO Q L. Prediction of peak resistance for a new type of spudcan through sand overlying clay [J]. The Ocean Engineering, 2023, 41(1): 20-28. (in Chinese))

张其一, 李晓武. 黏土地基上海洋平台桩靴峰值阻力上限分析[J]. 海洋工程, 2023, 41(1): 29-38. (ZHANG Q Y, LI X W. Upper limit analysis of spudcan peak resistance of offshore platform on clay foundation[J]. The Ocean Engineering, 2023, 41(1): 29-38. (in Chinese))

叶尖峰, 韩聪聪, 刘君. 组合动力锚水动力特性数值模拟研究[J]. 海洋工程, 2023, 41(1): 39-47. (YE J F, HAN C C, LIU J. Numerical investigations on the hydrodynamic characteristics of the hybrid dynamically installed anchor[J]. The Ocean Engineering, 2023, 41(1): 39-47. (in Chinese))

范晓亮, 郑敬宾, 王栋. 自由落体式球形贯入仪在硬-软黏土中的贯入响应[J]. 海洋工程, 2023, 41(1): 48-56. (FAN X L, ZHENG J B, WANG D. Free falling sphere penetrometers in stiff-soft clays[J]. The Ocean Engineering, 2023, 41(1): 48-56. (in Chinese))

李张翰熠, 张新曙. 基于势流模型的双体船耐波性能研究[J]. 海洋工程, 2023, 41(1): 57-67. (LI Z H Y, ZHANG X S. Research on seakeeping performance of catamaran based on potential flow model [J]. The Ocean Engineering, 2023, 41(1): 57-67. (in Chinese))

吕向琪, 张志恒, 张新曙, 宋兴宇. 基于频域 Rankine 面元法的船舶耐波性计算和分析[J]. 海洋工程, 2023, 41(1): 68-81. (LYU X Q, ZHANG Z H, ZHANG X S, SONG X Y. Seakeeping computation based on Rankine panel method in frequency domain [J]. The Ocean Engineering, 2023, 41(1): 68-81. (in Chinese))

王鹏, 尤云祥, 庄广胶, 赵敏. 全海深 ARV 抛载系统研发及深海试验[J]. 海洋工程, 2023, 41(1): 82-92. (WANG P, YOU Y X, ZHUANG G J, ZHAO M. Research and development of full-ocean-depth ARV ballast system and deepsea test [J]. The Ocean Engineering, 2023, 41(1): 82-92. (in Chinese))

冯亿坤, 苏玉民, 刘焕兴, 王兆立, 徐小军. 仿生机器鱼转向机动的水动力性能数值研究[J]. 海洋工程, 2023, 41(1): 93-100. (FENG Y K, SU Y M, LIU H X, WANG Z L, XU X J. Numerical study on the hydrodynamic performance of the turn maneuver of a bionic robotic fish [J]. The Ocean Engineering, 2023, 41(1): 93-100. (in Chinese))

赵张帆, 石湘, 化怡龙. 海底管道维修管卡密封结构的性能分析及测试[J]. 海洋工程, 2023, 41(1): 101-109. (ZHAO Z F, SHI X, HUA Y L. Performance analysis and test on sealing structure of repair clamp for subsea pipeline [J]. The Ocean Engineering, 2023, 41(1): 101-109. (in Chinese))

海上风电基础技术专题 Special Topic on Foundation Technology of Offshore Wind Power

李大勇, 黄凌昱, 张雨坤, 吴学震. 海上风电吸力基础在分层土中的沉贯特性研究综述[J]. 海洋工程, 2023, 41(1): 110-127. (LI D Y, HUANG L X, ZHANG Y K, WU X Z. Review of installation behavior of suction caisson in layered soil [J]. The Ocean

Engineering, 2023, 41(1): 110-127. (in Chinese))

杨灿,肖龙飞,程正顺,曹群,刘明月. 浅水半潜式浮式风机基础概念设计与模型试验研究[J]. 海洋工程, 2023, 41(1): 128-140. (YANG C, XIAO L F, CHENG Z S, CAO Q, LIU M Y. Conceptual design and model testing for a semi-submersible floating wind turbine in shallow water[J]. The Ocean Engineering, 2023, 41(1): 128-140. (in Chinese))

胡利文,姜学谦,周密,许伟群. 海上风电钢管桩自平衡法现场试验研究[J]. 海洋工程, 2023, 41(1): 141-151. (HU L W, LOU X Q, ZHOU M, XU W Q. Static load study on in-situ steel pipe pile for offshore wind farm using self-balancing method[J]. The Ocean Engineering, 2023, 41(1): 141-151. (in Chinese))

黄锐,马远刚,王翔,何成园,孙国光. 混合土层吸力筒沉贯阻力算法研究及应用[J]. 海洋工程, 2023, 41(1): 152-158. (HUANG R, MA Y G, WANG X, HE C Y, SUN G G. Research and application of sinking resistance algorithm for suction caisson in mixed soil[J]. The Ocean Engineering, 2023, 41(1): 152-158. (in Chinese))

贾家喻,张金凤,郑斌,张玉杭,祁佳睿. 潮流作用下海上风电群桩基础局部冲刷与防护试验研究[J]. 海洋工程, 2023, 41(1): 159-168. (JIA J Y, ZHANG J F, ZHENG B, ZHANG Y H, QI J R. Experimental study on local scouring and protection of offshore wind power pile groups foundation under tidal current[J]. The Ocean Engineering, 2023, 41(1): 159-168. (in Chinese))

秦天庆,袁长丰,袁铭徽,王滨,甄卓,姜志伟. 基于 2010—2020 年东海风浪统计数据的海上风电吸力桶基础动荷载承载特性[J]. 海洋工程, 2023, 41(1): 169-178. (QIN T Q, YUAN C F, YUAN M H, WANG B, ZHEN Z, JIANG Z W. Dynamic load bearing characteristics of wind power suction bucket foundation based on wind wave statistics in the East China Sea from 2010 to 2020 [J]. The Ocean Engineering, 2023, 41(1): 169-178. (in Chinese))

《海洋工程》第五届理事会 (179)

第 41 卷, 第 2 期, 2023 年 3 月 Vol. 41, No. 2, Mar., 2023

方辉,陈宇馨,郑文言,李爱军,刘勇. 波浪作用下铰接式层合浮体的水弹性响应研究[J]. 海洋工程, 2023, 41(2): 1-11. (FANG H, CHEN Y X, ZHENG W Y, LI A J, LIU Y. Study on the hydroelastic response of articulated floating sandwich structures under wave action[J]. The Ocean Engineering, 2023, 41(2): 1-11. (in Chinese))

胡文韬,刘利琴,罗超,余勇军. 导管架圆管风致涡激振动对总体疲劳性能的影响[J]. 海洋工程, 2023, 41(2): 12-21. (HU W T, LIU L Q, LUO C, YU Y J. Effect of wind-induced vortex vibration on the fatigue performance of circular tubes on jacket platforms [J]. The Ocean Engineering, 2023, 41(2): 12-21. (in Chinese))

商文翰,张纪刚,吴书义,刘菲菲,陈文礼,赵阳. 船舶碰撞中空夹层钢管混凝土导管架平台损伤分析[J]. 海洋工程, 2023, 41(2): 22-30. (SHANG W H, ZHANG J G, WU S Y, LIU F F, CHEN W L, ZHAO Y. Analysis of damage to concrete-filled double skin steel tube jacket platform by ship collision[J]. The Ocean Engineering, 2023, 41(2): 22-30. (in Chinese))

余杨,刘成,余建星,赵明仁,李振眠. 基于遗传算法的缓波型立管多目标集成优化[J]. 海洋工程, 2023, 41(2): 31-41. (YU Y, LIU C, YU J X, ZHAO M R, LI Z M. Multi-objective integrated optimization of steel lazy wave riser based on genetic algorithm [J]. The Ocean Engineering, 2023, 41(2): 31-41. (in Chinese))

李自强,袁昱超,唐文勇,薛鸿祥. 管道结构垂向—侧向耦合管土作用机理性试验研究[J]. 海洋工程, 2023, 41(2): 42-49. (LI Z Q, YUAN Y C, TANG W Y, XUE H X. Experimental study on the vertical-lateral coupling pipe-soil interaction of pipelines structure [J]. The Ocean Engineering, 2023, 41(2): 42-49. (in Chinese))

张凯兵,姜晓帆,王菲菲. 轴线倾斜海底管道冲刷速率试验研究[J]. 海洋工程, 2023, 41(2): 50-61. (ZHANG K B, LOU X F, WANG F F. Scour propagation rate of a tilting subsea pipeline in steady current[J]. The Ocean Engineering, 2023, 41(2): 50-61. (in Chinese))

李冬,李树澍,林建国,汪逢港. 基于 CFD-DEM 方法对海底管道床面冲刷的研究[J]. 海洋工程, 2023, 41(2): 62-72. (LI D, LI S S, LIN J G, WANG F G. Study of subsea pipeline bed scouring based on CFD-DEM method[J]. The Ocean Engineering, 2023, 41(2): 62-72. (in Chinese))

张习迪,曹留帅,万德成. 带前缘结节叶片导管桨尾流不稳定性分析[J]. 海洋工程, 2023, 41(2): 73-85. (ZHANG X D, CAO L S, WAN D C. Analysis of wake instability of a ducted propeller with bionic tubercle leading-edge[J]. The Ocean Engineering, 2023, 41(2): 73-85. (in Chinese))

张瀚彬,史先鹏,刘喜梅.基于改进量子粒子群算法的AUV路径规划研究[J].海洋工程,2023,41(2):86-92.(ZHANG H B, SHI X P, LIU X M. An AUV path planning method based on improved quantum particle swarm optimization [J]. The Ocean Engineering, 2023, 41(2): 86-92. (in Chinese))

姚宇,张壮壮,许从昊.基于RANS方程的桩式U-OWC装置波浪荷载分析[J].海洋工程,2023,41(2):93-106.(YAO Y, ZHANG Z Z, XU C H. Study on the wave loads on a pile-type U-OWC wave energy device based on RANS Equations [J]. The Ocean Engineering, 2023, 41(2): 93-106. (in Chinese))

黄祖明,戴志军,周晓妍,龙楚琪,冯炳斌,罗杰骏,喜扬洋.北部湾防城港东湾白骨壤潮滩近底层动力响应台风作用的耗散过程[J].海洋工程,2023,41(2):107-118.(HUANG Z M, DAI Z J, ZHOU X Y, LONG C Q, FENG B B, LUO J J, XI Y Y. Dissipation process of the near-bed hydrodynamics over Avicennia marina tidal flat in response to typhoon action [J]. The Ocean Engineering, 2023, 41(2): 107-118. (in Chinese))

防波堤技术专题 Special Topic on Breakwater Technology

琚烈红,乔光全,黄哲,杨汜,麦权想.波浪作用下方块石护面稳定性研究[J].海洋工程,2023,41(2):119-131.(JU L H, QIAO G Q, HUANG Z, YANG F, MAI Q X. Study on stability of block stones armour layer under wave action [J]. The Ocean Engineering, 2023, 41(2): 119-131. (in Chinese))

于珍,李雪艳,程志,孟钰婕.基于OpenFOAM的潜堤—双弧板组合结构水动力特性数值研究[J].海洋工程,2023,41(2):132-143.(YU Z, LI X Y, CHENG Z, MENG Y J. Numerical study on hydrodynamic characteristics of submersible breakwater-double arc plate composite structures based on OpenFOAM [J]. The Ocean Engineering, 2023, 41(2): 132-143. (in Chinese))

胡馨月,李超,梁书秀,薛庆仁,刘华政,张家硕.空间节省型堰式沉箱波浪反射与结构优化试验研究[J].海洋工程,2023,41(2):144-152.(HU X Y, LI C, LIANG S X, XUE Q R, LIU H Z, ZHANG J S. Experimental study on wave reflection and structure optimization of a space-saving weir caisson [J]. The Ocean Engineering, 2023, 41(2): 144-152. (in Chinese))

任丽婷,蒋学炼,赵悦,郗禄文,刘俊涛.空间节省型堰式沉箱波浪反射与结构优化试验研究[J].海洋工程,2023,41(2):153-160.(REN L T, JIANG X L, ZHAO Y, QIE L W, LIU J T. Experimental study on wave reflection and structure optimization of a space-saving weir caisson [J]. The Ocean Engineering, 2023, 41(2): 153-160. (in Chinese))

王塑,赵西增.一种起伏板防波堤最优支撑刚度计算方法[J].海洋工程,2023,41(2):161-168.(WANG S, ZHAO X Z. A method for obtaining the optimal support stiffness of heaving plate breakwater [J]. The Ocean Engineering, 2023, 41(2): 161-168. (in Chinese))

综述 Review

潘冬子,李颖,潘存鸿.涌潮水沙动力过程现场观测研究进展[J].海洋工程,2023,41(2):169-181.(PAN D Z, LI Y, PAN C H. A review on field observations of tidal bore-induced flow and sediment dynamic processes [J]. The Ocean Engineering, 2023, 41(2): 169-181. (in Chinese))

《海洋工程》第五届理事会 (182)

报道 (184)

第41卷,第3期,2023年5月 Vol. 41, No. 3, May, 2023

苏高飞,勾莹,滕斌.完全非线性波浪与二维固定结构物作用的IGN-BEM耦合分析模型[J].海洋工程,2023,41(3):1-13.(SU G F, GOU Y, TENG B. A coupled IGN-BEM model for the interaction between fully nonlinear waves and 2D fixed bodies [J]. The Ocean Engineering, 2023, 41(3): 1-13. (in Chinese))

宋梦杰,任浩杰,张晓灵,杨加栋,付世晓,张萌萌,许玉旺.基于能量竞争载荷模型的海洋立管双向涡激振动时域预报方法研究[J].海洋工程,2023,41(3):14-26.(SONG M J, REN H J, ZHANG X L, YANG J D, FU S X, ZHANG M M, XU Y W. Time-domain prediction method of bidirectional vortex-induced vibration for marine riser based on energy competition force model [J]. The Ocean Engineering, 2023, 41(3): 14-26. (in Chinese))

付仰华,王国军,黄亚婷,彭鑫,董睿,张大勇.海冰与直立结构相互作用的破坏模式研究[J].海洋工程,2023,41(3):27-36.(FU Y H, WANG G J, HUANG Y T, PENG X, DONG R, ZHANG D Y. Study on failure modes of interaction between sea ice and vertical structures [J]. The Ocean Engineering, 2023, 41(3): 27-36. (in Chinese))

- 吕泽宇,车巨鹏,王树青,宋宪仓.浮筒辅助大型导管架结构整体拆除上浮过程动力响应特征研究[J].海洋工程,2023,41(3):37-47. (LYU Z Y, CHE J P, WANG S Q, SONG X C. Study on the dynamic response characteristics of the pontoon-assisted large-scaled jacket platform removal[J]. The Ocean Engineering, 2023, 41(3): 37-47. (in Chinese))
- 王振双,徐明强,彭潜.基于实测数据的海上风电结构动力响应分析[J].海洋工程,2023,41(3):48-55. (WANG Z S, XU M Q, PENG Q. Analyzing the dynamic response of an offshore wind turbine with field test data[J]. The Ocean Engineering, 2023, 41(3): 48-55. (in Chinese))
- 蔡丽,赵建春,向容瑶,孙昭晨,梁炳贤.基于实测资料的畸形波概率及波浪要素分析[J].海洋工程,2023,41(3):56-64. (CAI L, ZHAO J C, XIANG R Y, SUN Z C, LIANG B X. Analysis of freak wave probability and wave characteristics based on measured data [J]. The Ocean Engineering, 2023, 41(3): 56-64. (in Chinese))
- 叶漪琦,韩东睿,林颖典.双层环境中圆桩柱对斜坡异重流动力特性影响的试验研究[J].海洋工程,2023,41(3):65-73. (YE Y Q, HAN D R, LIN Y D. Experimental study on the impacts of a circular pile on hydrodynamics of downslope gravity current in two-layer stratified ambience[J]. The Ocean Engineering, 2023, 41(3): 65-73. (in Chinese))
- 张刚,周曾,陈杰峰,徐晓,曹浩冰,左利钦,潘毅,张长宽.护滩软体排对潮滩碱蓬湿地修复的影响研究——以江苏条子泥为例[J].海洋工程,2023,41(3):74-84. (ZHANG G, ZHOU Z, CHEN J F, XU X, CAO H B, ZUO L Q, PAN Y, ZHANG C K. Effects of soft mattress on Suaeda Salsa tidal wetland restoration: take Jiangsu Tiaozini wetland for example [J]. The Ocean Engineering, 2023, 41(3): 74-84. (in Chinese))
- 胡康,杨平,刘清超.极端循环载荷下船体裂纹箱型梁的极限强度[J].海洋工程,2023,41(3):85-95. (HU K, YANG P, LIU Q C. Ultimate strength of cracked box girders under extreme cyclic loads [J]. The Ocean Engineering, 2023, 41(3): 85-95. (in Chinese))
- 邓恺其,王祥,季顺迎.极地吊舱推进船舶回转性能的离散元分析[J].海洋工程,2023,41(3):96-109. (DENG K Q, WANG X, JI S Y. Turning ability of pod-driven polar ship based on discrete element analysis[J]. The Ocean Engineering, 2023, 41(3): 96-109. (in Chinese))
- 盖康雨,刘磊.海底矿石软管中水力输送数值模拟研究[J].海洋工程,2023,41(3):110-122. (GAI K Y, LIU L. Numerical study on hydraulic transportation of seabed ores through a hose[J]. The Ocean Engineering, 2023, 41(3): 110-122. (in Chinese))
- 刘杰,许栋,及春宁,夏建新,冉启华.深海多金属结核水力集矿头流场结构数值模拟研究[J].海洋工程,2023,41(3):123-136. (LIU J, XU D, JI C N, XIA J X, RAN Q H. Numerical investigations on the flow structures around the hydraulic mining header of deep-sea polymetallic nodule collectors[J]. The Ocean Engineering, 2023, 41(3): 123-136. (in Chinese))
- 张伟国,陈彬,逢淑华,李家仪,许伟,畅元江,殷志明.基于监测数据的深水水下井口循环弯矩计算方法[J].海洋工程,2023,41(3):137-145. (ZHANG W G, CHEN B, PANG S H, LI J Y, XU W, CHANG Y J, YIN Z M. Monitored data-based calculation approach for cyclic bending moment of subsea wellhead in deepwater [J]. The Ocean Engineering, 2023, 41(3): 137-145. (in Chinese))
- 周磊,何景异,陈科,尤云祥,冯爱春.水下非均匀拖缆稳态动力学分析[J].海洋工程,2023,41(3):146-156. (ZHOU L, HE J Y, CHEN K, YOU Y X, FENG A C. Steady-state dynamics analysis of underwater non-uniform towing cables [J]. The Ocean Engineering, 2023, 41(3): 146-156. (in Chinese))
- 刘菲菲,郑荣.自主水下机器人水下接驳插拔传输与无线感应传输研究现状及对比分析[J].海洋工程,2023,41(3):157-167. (LIU F F, ZHENG R. Research status and comparative analysis of underwater wired transmission and wireless inductive transmission of autonomous underwater robot[J]. The Ocean Engineering, 2023, 41(3): 157-167. (in Chinese))
- 宗钟凌,庄潇轩,黄蕴晗,郑家昌,金纬,赵晓晴,张驿.软黏土中成桩工艺对 HSCM 桩抗压承载性能影响的模型试验研究[J].海洋工程,2023,41(3):168-176. (ZONG Z L, ZHUANG X X, HUANG Y H, ZHENG J C, JIN W, ZHAO X Q, ZHANG Y. Experiment on the compressive bearing performance of helix stiffened cement mixing piles embedded in soft clay influenced by the installed technique[J]. The Ocean Engineering, 2023, 41(3): 168-176. (in Chinese))
- 杨泉,胡伟,孟建伟,林志.基于椭圆型滑动面的砂土中条形锚板上拔承载力计算方法[J].海洋工程,2023,41(3):177-184. (YANG X, HU W, MENG J W, LIN Z. Calculation method of uplift bearing capacity of strip anchor plate in sand based on elliptical sliding surface[J]. The Ocean Engineering, 2023, 41(3): 177-184. (in Chinese))
- 《海洋工程》第五届理事会 (185)

第41卷, 第4期, 2023年7月 Vol. 41, No. 4, Jul., 2023

詹杰民, 陆尚平, 李熠华, 李雨田, 胡文清. 潜航器微气泡减阻数值模拟方法研究[J]. 海洋工程, 2023, 41(4): 1-11. (ZHAN J M, LU S P, LI Y H, LI Y T, HU W Q. Numerical study of micro-bubble drag reduction on underwater vehicle [J]. The Ocean Engineering, 2023, 41(4): 1-11. (in Chinese))

冯岩, 余建星. 基于多态模糊贝叶斯网络的半潜平台安装风险分析[J]. 海洋工程, 2023, 41(4): 12-21. (FENG Y, YU J X. Risk analysis of semi-submersible platform installation based on polymorphic fuzzy Bayesian network [J]. The Ocean Engineering, 2023, 41(4): 12-21. (in Chinese))

李欣怡, 于立伟. 基于有限差分法的复合系泊链缆动力模型及其验证[J]. 海洋工程, 2023, 41(4): 22-37. (LI X Y, YU L W. Development and validation of the dynamic model of hybrid synthetic mooring lines based on finite difference method [J]. The Ocean Engineering, 2023, 41(4): 22-37. (in Chinese))

李彦娥, 李涛, 彭驰, 李强, 张杰. 支撑结构频率对海上风机动力响应的影响机理研究[J]. 海洋工程, 2023, 41(4): 38-48. (LI Y E, LI T, PENG C, LI Q, ZHANG J. Research on the influence mechanism of support structure frequency on the dynamic response of offshore wind turbine [J]. The Ocean Engineering, 2023, 41(4): 38-48. (in Chinese))

杜宇, 王凯, 初岳峰. 安装误差对半潜漂浮式风机悬链线系泊系统性能的影响[J]. 海洋工程, 2023, 41(4): 49-58. (DU Y, WANG K, CHU Y F. On study of the effects on the semi-submersible floating offshore wind turbine catenary mooring system performance by installation error [J]. The Ocean Engineering, 2023, 41(4): 49-58. (in Chinese))

李英, 王坤, 陈国龙, 窦洪波, 张佳敏. 浸没式可移动外输终端系泊系统优化研究[J]. 海洋工程, 2023, 41(4): 59-68. (LI Y, WANG K, CHEN G L, DOU H B, ZHANG J M. Research on optimization method of mooring system of submerged mobile offloading terminal [J]. The Ocean Engineering, 2023, 41(4): 59-68. (in Chinese))

关彦磊, 管瑞, 魏波, 王超, 赵锦旭. 海上退役平台改作鱼礁体的稳定性及流场效应研究[J]. 海洋工程, 2023, 41(4): 69-81. (GUAN Y L, GUAN R, WEI B, WANG C, ZHAO J X. Research on the stability and flow field effect of the decommissioned offshore platform converted into artificial reefs [J]. The Ocean Engineering, 2023, 41(4): 69-81. (in Chinese))

姜云鹏, 韩新宇, 吴进, 陈汉宝, 董胜. 中长周期波作用下的斜坡堤胸墙波浪力试验研究[J]. 海洋工程, 2023, 41(4): 82-90. (JIANG Y P, HAN X Y, WU J, CHEN H B, DONG S. Experimental study on wave force on crown wall of rubble mound breakwater under medium-long period waves [J]. The Ocean Engineering, 2023, 41(4): 82-90. (in Chinese))

刘竹琴, 殷铭简, 赵西增, 罗敏. 孤立波低顶海堤越浪的数值模拟研究[J]. 海洋工程, 2023, 41(4): 91-102. (LIU Z Q, YIN M J, ZHAO X Z, LUO M. Numerical study of solitary wave overtopping a low-crested seawall [J]. The Ocean Engineering, 2023, 41(4): 91-102. (in Chinese))

李英, 王维, 韩宇. 含初始缺陷海底管道侧向屈曲临界力的参数解[J]. 海洋工程, 2023, 41(4): 103-113. (LI Y, WANG W, HAN Y. Parametric solution of critical force for lateral buckling of submarine pipelines with initial imperfection [J]. The Ocean Engineering, 2023, 41(4): 103-113. (in Chinese))

臧志鹏, 许振, 邹星, 侯静. 块石和混凝土排垫保护下海底管道落锚撞击变形响应研究[J]. 海洋工程, 2023, 41(4): 114-126. (ZANG Z P, XU Z, ZOU X, HOU J. Deformation response of a submarine pipeline with rock berm + concrete mattress protection subjected to impact by adropping anchor [J]. The Ocean Engineering, 2023, 41(4): 114-126. (in Chinese))

阮伟东, 亓可夫, 陈苗依, 刘凯, 聂庆林. 柔性管卷管式铺管上卷有限元模拟[J]. 海洋工程, 2023, 41(4): 127-139. (RUAN W D, QI K F, CHEN M Y, LIU K, NIE Q L. Finite element simulation of flexible pipe laying process by reel approach [J]. The Ocean Engineering, 2023, 41(4): 127-139. (in Chinese))

陈祖钢, 田新亮, 陈兴, 温斌荣, 李欣. 线驱动自主巡游机器人设计及试验研究[J]. 海洋工程, 2023, 41(4): 140-147. (CHEN Z G, TIAN X L, CHEN X, WEN B R, LI X. Design and experimental study of wire-driven autonomous cruising robot [J]. The Ocean Engineering, 2023, 41(4): 140-147. (in Chinese))

陈家旺, 阮东瑞, 王豪, 周朋, 吴世军, 潘彬彬, 方玉平, 何巍涛, 黄越, 方家松. 深渊生物资源取样装备技术体系研究[J]. 海洋工程, 2023, 41(4): 148-158. (CHEN J W, RUAN D R, WANG H, ZHOU P, WU S J, PAN B B, FANG Y P, HE W T, FANG Y, FANG J S. Research on the technical system of abyss biological resources sampling equipment [J]. The Ocean Engineering, 2023, 41

(4): 148-158. (in Chinese))

王仁华,刘耀阳. 加筋板的轴压强度受加筋随机点蚀的影响研究[J]. 海洋工程, 2023, 41(4): 159-167. (WANG R H, LIU Y Y. Study on effect of random pitting corrosion of stiffeners on compressive strength of stiffened plates[J]. The Ocean Engineering, 2023, 41(4): 159-167. (in Chinese))

李乐,方明山,王俊杰,李全旺,李克非. 宁波舟山港主通道混凝土结构耐久性评估与维护技术[J]. 海洋工程, 2023, 41(4): 168-177. (LI L, FANG M S, WANG J J, LI Q W, LI K F. Durability assessment and maintenance planning of concrete structures in Ningbo-Zhoushan Port Main Channel sea link project[J]. The Ocean Engineering, 2023, 41(4): 168-177. (in Chinese))

综述 Review

陈严飞,江楠,何明畅,侯富恒,王春莎,张左旻. 非黏结柔性管道抗拉铠装层腐蚀机理与安全评价研究进展[J]. 海洋工程, 2023, 41(4): 178-188. (CHEN Y F, JIANG N, HE M C, HOU F H, WANG C S, ZHANG Z M. A review on corrosion mechanism and safety evaluation of tensile armor layer of unbonded flexible pipe [J]. The Ocean Engineering, 2023, 41(4): 178-188. (in Chinese))

《海洋工程》第五届理事会 (189)

第 41 卷, 第 5 期, 2023 年 9 月 Vol. 41, No. 5, Sep., 2023

守正创新 逐梦蓝海——庆祝《海洋工程》创刊 40 周年 夏云峰(1)

《海洋工程》创刊 40 周年贺信 中国海洋学会(2)

《海洋工程》创刊 40 周年院士题词(3)

张浦阳,马宇轩,乐从欢,丁红岩. 砂土中吸力式导管架基础沉贯试验研究[J]. 海洋工程, 2023, 41(5): 5-15. (ZHANG P Y, MA Y X, LE C H, DING H Y. Experimental study on penetration of suction jacket foundation in sand [J]. The Ocean Engineering, 2023, 41(5): 5-15. (in Chinese))

张昕涛,赵珧冰,蔡绍辉,陈林聪. 多频参激—涡激联合作用下顶张力立管分岔分析[J]. 海洋工程, 2023, 41(5): 16-24. (ZHANG X T, ZHAO Y B, CAI S H, CHEN L C. Bifurcation analysis of top tension riser under multi-frequency parametric and vortex excitations simultaneously [J]. The Ocean Engineering, 2023, 41(5): 16-24. (in Chinese))

陈英杰,陈明胜,周昊,张显雄. 垂荡板对半潜式风机基础拖航过程中水动力性能及运动响应的影响分析[J]. 海洋工程, 2023, 41(5): 25-36. (CHEN Y J, CHEN M S, ZHOU H, ZHANG X X. Investigation on the effects of heave plate on the hydrodynamics and dynamic responses of semi-submersible foundation of offshore wind turbine during the towing operation [J]. The Ocean Engineering, 2023, 41(5): 25-36. (in Chinese))

乐可定,郁冶,赵兰浩,牟凯龙. 考虑流固耦合效应的单桩式海上风电机组结构响应模拟[J]. 海洋工程, 2023, 41(5): 37-47. (LE K D, YU Y, ZHAO L H, MOU K L. Fluid-structure coupling numerical method for the whole operation process of single pile foundation offshore wind power [J]. The Ocean Engineering, 2023, 41(5): 37-47. (in Chinese))

孙嘉阳,许玉旺,付世晓,赵冰,宋斌,张萌萌,任浩杰. 风和流作用下单链式系泊养殖工船“鱼尾运动”研究[J]. 海洋工程, 2023, 41(5): 48-56. (SUN J Y, XU Y W, FU S X, ZHAO B, SONG B, ZHANG M M, REN H J. Investigation on the “Fishtailing motion” of a single chain mooring aquaculture ship under the actions of wind and current [J]. The Ocean Engineering, 2023, 41(5): 48-56. (in Chinese))

刘家瑞,张海成,周潇,徐道临. 非线性铰接浮体波能转换器的动力学特性研究[J]. 海洋工程, 2023, 41(5): 57-69. (LIU J R, ZHANG H C, ZHOU X, XU D L. Dynamic characteristics of nonlinear articulated floating body wave energy converter [J]. The Ocean Engineering, 2023, 41(5): 57-69. (in Chinese))

黄龙威,杨建民,卢文月. 浮冰在规则波和双色波下的运动特性研究[J]. 海洋工程, 2023, 41(5): 70-80. (HUANG L W, YANG J M, LU W Y. Research on the motion responses of ice floe in regular and bichromatic waves [J]. The Ocean Engineering, 2023, 41(5): 70-80. (in Chinese))

刘华帅,杨汜,王红川. “烟花”台风影响下长江口水域波浪分布特征研究[J]. 海洋工程, 2023, 41(5): 81-91. (LIU H S, YANG F, WANG H C. Wave distribution characteristics of Yangtze Estuary under the influence of typhoon In-Fa [J]. The Ocean Engineering, 2023, 41(5): 81-91. (in Chinese))

林雯妍,李志坚,廖晨聪,张璐璐,叶冠林. 考虑预载固结效应的海底浅基础承载力包络面演化规律研究[J]. 海洋工程, 2023, 41(5): 92-103. (LIN W X, LI Z J, LIAO C C, ZHANG L L, YE G L. Evolution for failure envelope of shallow foundation considering preloading effect[J]. The Ocean Engineering, 2023, 41(5): 92-103. (in Chinese))

王洪羽,王宽君,王臻魁,国振. 考虑初始嵌入深度变异性的海底管道整体侧向屈曲分析[J]. 海洋工程, 2023, 41(5): 104-115. (WANG H Y, WANG K J, WANG Z K, GUO Z. Analysis of globally lateral buckling of submarine pipelines considering the variability of initial embedment[J]. The Ocean Engineering, 2023, 41(5): 104-115. (in Chinese))

朱俊杰,陈卫东,任冰,王永学,王国玉. 悬跨海底电缆涡激振动特性及疲劳损伤分析[J]. 海洋工程, 2023, 41(5): 116-127. (ZHU J J, CHEN W D, REN B, WANG Y X, WANG G Y. Analysis of vortex-induced vibrations and fatigue damage of a free spanning submarine power cable[J]. The Ocean Engineering, 2023, 41(5): 116-127. (in Chinese))

深海采矿专题 Special Topic on Deep-sea Mining

杨祥云,吕海宁,杨建民,孙鹏飞. 深海采矿车布放回收中脐带缆轴向张力响应特性研究[J]. 海洋工程, 2023, 41(5): 128-138. (YANG X Y, LYU H N, YANG J M, SUN P F. Research on axial tension response characteristics of umbilical cable in deep-sea mining truck deployment and Recycling[J]. The Ocean Engineering, 2023, 41(5): 128-138. (in Chinese))

钟华清,张晶晶,尤云祥,冯爱春. 含月池和输运管的深海采矿船水动力特性研究[J]. 海洋工程, 2023, 41(5): 139-149. (ZHONG H Q, ZHANG J J, YOU Y X, FENG A C. Study on hydrodynamic characteristics of deep-sea mining vessel with moon pool and delivery pipe[J]. The Ocean Engineering, 2023, 41(5): 139-149. (in Chinese))

刘港慧,刘磊. 深海采矿细颗粒羽状流数值模拟研究[J]. 海洋工程, 2023, 41(5): 150-160. (LIU G H, LIU L. Numerical simulation of fine particle plume flow in deep-sea mining[J]. The Ocean Engineering, 2023, 41(5): 150-160. (in Chinese))

刘孜涵,赵国成,肖龙飞. 基于竖轴漩涡水动力特性的海底矿粒采集方法试验研究[J]. 海洋工程, 2023, 41(5): 161-168. (LIU Z H, ZHAO G C, XIAO L F. Experimental study of submarine nodules collection method based on the hydrodynamic characteristics of vertical axis vortex[J]. The Ocean Engineering, 2023, 41(5): 161-168. (in Chinese))

章慧颖,杨建民,徐文豪. 基于声呐图像的深海采矿车组合定位导航算法[J]. 海洋工程, 2023, 41(5): 169-180. (ZHANG H Y, YANG J M, XU W H. Integrated localization and navigation algorithm for deep-sea mining vehicles based on sonar image[J]. The Ocean Engineering, 2023, 41(5): 169-180. (in Chinese))

杨强,刘坤,降星辰,刘广治,夏建新. 基于康达效应的深海多金属结核采集装置参数匹配[J]. 海洋工程, 2023, 41(5): 181-192. (YANG Q, LIU S, JIANG X C, LIU G Z, XIA J X. Parameter matching of deep-sea polymetallic nodule collection device based on the Coandă effect[J]. The Ocean Engineering, 2023, 41(5): 181-192. (in Chinese))

《海洋工程》第五届理事会 (193)

第41卷, 第6期, 2023年11月 Vol. 41, No. 6, Nov., 2023

蒋建平,孙宏涛,高嘉若. V-H荷载作用下海洋平台吸力式桩桶桩土承载特性研究[J]. 海洋工程, 2023, 41(6): 1-10. (JIANG J P, SUN H T, GAO J R. Study on bearing characteristics of suction pile and soil of offshore platform under V-H load[J]. The Ocean Engineering, 2023, 41(6): 1-10. (in Chinese))

金川,曹家瑞,李孙伟,陈凯,俞国军. 深水脐带缆结构阻尼的数值与试验研究[J]. 海洋工程, 2023, 41(6): 11-18. (JIN C, CAO J R, LI S W, CHEN K, YU G J. Numerical and experimental study on damping of deepwater umbilical cable structures[J]. The Ocean Engineering, 2023, 41(6): 11-18. (in Chinese))

赵前,寇雨丰,邹付兵,武博,李欣. 台风海况下半潜式钻井平台动力性能监测与分析[J]. 海洋工程, 2023, 41(6): 19-30. (ZHAO Q, KOU Y F, ZOU F B, WU B, LI X. Dynamic performance monitoring and analysis of semi-submersible drilling platform under typhoon sea state[J]. The Ocean Engineering, 2023, 41(6): 19-30. (in Chinese))

栗铭鑫,陈维,李清,白旭,李永正. 新型圆筒型 FPSO 串靠外输作业耦合水动力响应分析[J]. 海洋工程, 2023, 41(6): 31-38. (LI M X, CHEN W, LI Q, BAI X, LI Y Z. Analysis of coupled dynamics response for new cylindrical FPSO in tandem offloading operation[J]. The Ocean Engineering, 2023, 41(6): 31-38. (in Chinese))

彦祥宇,陈子和,张显涛. 双体波浪能装置运动及系泊系统特性研究[J]. 海洋工程, 2023, 41(6): 39-50. (YAN X Y, CHEN Z H, ZHANG X T. Study on the motion of dual-body wave energy device and the characteristics of mooring system[J]. The Ocean Engineering, 2023, 41(6): 39-50. (in Chinese))

Engineering, 2023, 41(6): 39-50. (in Chinese))

鲍锦涛,程一帆,邓争志,叶杨莎.非对称垂荡式振荡水柱波能转换装置的水动力性能[J].海洋工程,2023,41(6):51-64.

(BAO J T, CHENG Y F, DENG Z Z, YE Y S. Hydrodynamic performance of an asymmetric oscillating water column wave energy convertor in heaving mode[J]. The Ocean Engineering, 2023, 41(6): 51-64. (in Chinese))

郭伟,王吉轩,任宇晓,张龙.黏土中隔舱吸力式钢圆筒安装及水平受荷试验研究[J].海洋工程,2023,41(6):65-75.(GUO W, WANG J X, REN Y X, ZHANG L. Model tests on installation and horizontal bearing capacity of compartment suction steel cylinder in clay[J]. The Ocean Engineering, 2023, 41(6): 65-75. (in Chinese))

田正林,毛鸿飞,吴光林,赫岩莉,林金波.集成于海上风电钢管桩基础上的升降式网箱结构波浪场特性研究[J].海洋工程,2023,41(6):76-86.(TIAN Z L, MAO H F, WU G L, HE Y L, LIN J B. Study on wave field characteristics of lifting-type net cage structure integrated with offshore wind power steel pipe pile foundation [J]. The Ocean Engineering, 2023, 41(6): 76-86. (in Chinese))

张宏绪,张新曙,黄昊,张志恒.豪华邮轮耐波性及救生艇砰击载荷特性研究[J].海洋工程,2023,41(6):87-99.(ZHANG H X, ZHANG X S, HUANG H, ZHANG Z H. Study on seakeeping performance of a luxury cruise ship and slamming loads on the lifeboats[J]. The Ocean Engineering, 2023, 41(6): 87-99. (in Chinese))

严明宇,马小舟,郑振钧,董国海.涌浪作用下港内大型集装箱船运动特性数值研究[J].海洋工程,2023,41(6):100-111.(YAN M Y, MA X Z, ZHENG Z J, DONG G H. Numerical research on motion characteristics of a large container ship moored at a port under swell[J]. The Ocean Engineering, 2023, 41(6): 100-111. (in Chinese))

马楷东,曹留帅,万德成.基于大涡模拟的波状前缘水翼空化抑制研究[J].海洋工程,2023,41(6):112-123.(MA K D, CAO L S, WAN D C. LES study of hydrofoil with wavy leading edge on cavitation suppression[J]. The Ocean Engineering, 2023, 41(6): 112-123. (in Chinese))

高洋洋,胡阳宁,王立忠,李培良.三锚系大型浮标运动响应特性数值研究[J].海洋工程,2023,41(6):124-138.(GAO Y Y, HU Y N, WANG L Z, LI P L. Numerical investigation on the dynamic responses of three-anchor large-scale buoy [J]. The Ocean Engineering, 2023, 41(6): 124-138. (in Chinese))

沈侃敏,郑振钧,王滨,姜贞强,董国海.斯里兰卡南部海域次重力波特征研究[J].海洋工程,2023,41(6):139-147.(SHEN K M, ZHENG Z J, WANG B, JIANG Z Q, DONG G H. Research on infragravity wave characteristics in the southern sea of Sri Lanka[J]. The Ocean Engineering, 2023, 41(6): 139-147. (in Chinese))

孔凡玲,王滢,张粮,高盟,吴迪.深海能源土含气储层力学特性三轴试验研究[J].海洋工程,2023,41(6):148-157.(KONG F L, WANG Y, ZHANG L, GAO M, WU D. Triaxial test study on mechanical properties of deep-sea energy-bearing soil gas reservoir [J]. The Ocean Engineering, 2023, 41(6): 148-157. (in Chinese))

王树林,杨建民,卢昌宇,刘路平.一种基于双通道的水下图像增强卷积神经网络[J].海洋工程,2023,41(6):158-170.(WANG S L, YANG J M, LU C Y, LIU L P. An enhanced convolutional neural network for underwater images based on dual channels [J]. The Ocean Engineering, 2023, 41(6): 158-170. (in Chinese))

综述 Reviews

王宁舸,韩信,孙波,辛文杰,张弛,陈大可.沙质海岸沿岸输沙率计算方法研究进展[J].海洋工程,2023,41(6):171-186.(WANG N G, HAN X, SUN B, XIN W J, ZHANG C, CHEN D K. A review on longshore sediment transport rate formulas in sandy coast[J]. The Ocean Engineering, 2023, 41(6): 171-186. (in Chinese))

姜逢源,董胜.第三方活动冲击荷载作用下近海管道损伤机理及风险评估研究现状[J].海洋工程,2023,41(6):187-199.(JIANG F Y, DONG S. A review on the damage mechanism analysis and risk assessment for offshore pipelines subjected to impact loads from third-party activities[J]. The Ocean Engineering, 2023, 41(6): 187-199. (in Chinese))

致谢《海洋工程》2023 审稿专家 (200)

《海洋工程》第五届理事会 (201)

《海洋工程》2023 年总目次,第 41 卷,第 1~6 期 (1)