

## 目 次

## 学术论文



- 孤立波对浸没平板作用的二维边界元数值分析.....耿添, 刘桦(275)  
 液滴冲击液面变形特征及其能量转化研究.....马慧敏, 刘长根, 董娇娇(283)  
 基于 MOPSO 算法的船舶兴波阻力多目标优化.....缪爱琴, 万德成(291)  
 基于两相欧拉模型的回转体微气泡减阻数值研究.....赵晓杰, 宗智, 姜宜辰, 等(299)  
 剪切流中两个囊泡水动力学相互作用的数值研究.....白帆, 孙仁(308)  
 束缚水条件下气体在裂缝性页岩多孔介质中的流动特征.....宋付权, 宋兴兴, 龙运前, 等(317)  
 波浪非线性薛定谔方程本征值的数值计算.....张新宇, 王骁, 蔡峰, 等(323)  
 变形振荡翼的动态失速特性研究.....张俊伟, 张伟, 夏鹏, 等(331)  
 船舶大漂角斜航运动水动力学数值预报.....伍海华, 邹早建(339)  
 不同海堤内坡护坡下的波浪溢流量特征及通用化计算方法.....潘毅, 刘烨, 周子骏, 等(346)  
 含气率对气液两相流离心泵性能的影响.....闫思娜, 罗兴铸, 冯建军, 等(353)  
 Magnus 圆柱叶轮的水动力学特性及效率研究.....程友良, 刘鑫, 汪辉(361)  
 分区层化立体多重天津城市暴雨内涝模型研究.....陈靖, 李大鸣, 郝莹, 等(367)  
 普朗特数对对流斑图的分区和扰动成长模式的影响.....宁利中, 张珂, 宁碧波, 等(377)  
 大幅晃动液体冲击贮箱顶盖 SPH-FEM 数值模拟研究.....覃颖然, 华渊, 王庄(384)  
 导流片对水洞等截面拐角流场影响的数值研究.....谌童, 孙姣, 孙康福, 等(395)  
 双向流滴灌灌水器消能机理 PIV 试验研究.....王新端, 白丹, 郭霖(401)

## 学术活动及其他

- Journal of Hydrodynamics 2019年第2期目次.....(411)

### CONTENTS

- Numerical analysis of hydrodynamic loads on submerged plate in solitary wave with 2-D boundary integral element method ..... GENG Tian, LIU Hua (275)
- Study of deformation characteristics and energy conversion during the process of droplet impacting on liquid surface ..... MA Hui-min, LIU Chang-gen, DONG Jiao-jiao (283)
- Multi-objective optimization of ship wave-making resistance based on MOPSO ..... MIAO Ai-qin, WAN De-cheng (291)
- Numerical study on micro-bubble drag reduction of axisymmetric bodies based on two-phase Euler model ..... ZHAO Xiao-jie, ZONG Zhi, JIANG Yi-chen, et al. (299)
- Numerical investigation of the hydrodynamic interaction between two capsules in a shear flow ..... BAI Fan, SUN Ren (308)
- Characteristics of starting pressure of gas flow in fractured shale porous media under irreducible water condition ..... SONG Fu-quan, SONG Xing-xing, LONG Yun-qian, et al. (317)
- Numerical simulation of eigenvalues of wave nonlinear Schrödinger equation ..... ZHANG Xin-yu, WANG Xiao, CAI Feng, et al. (323)
- Investigation of dynamic stall properties of the deformed oscillating airfoil ..... ZHANG Jun-wei, ZHANG Wei, XIA Peng, et al. (331)
- Numerical prediction of hydrodynamic forces on a ship in oblique motion with large drift angle ..... WU Hai-hua, ZOU Zao-jian (339)
- Characteristics of discharge of combined wave and surge overtopping under different revetment conditions of landward-side slope and the general estimation method ..... PAN Yi, LIU Ye, ZHOU Zi-jun, et al. (346)
- Effect of gas volume fraction on performance of a gas-liquid two-phase centrifugal pump ..... YAN Si-na, LUO Xing-qi, FENG Jian-jun, et al. (353)
- Study on hydrodynamic characteristic and efficiency of the Magnus cylindrical blade impeller ..... CHENG You-liang, LIU Xin, WANG Hui (361)
- Study on a multi-level and modular model urban waterlogging model in Tianjin ..... CHEN Jing, LI Da-ming, HAO Ying, et al. (367)
- Influence of Prandtl number on partition and perturbation growth of convective pattern ..... NING Li-zhong, ZHANG Ke, NING Bi-bo, et al. (377)
- Numerical investigation on the large amplitude sloshing roof impact in a tank with SPH-FEM coupling algorithm ..... QIN Hao-ran, HUA Yuan, WANG Zhaung (384)
- Numerical study on effect of guide vanes on flow field of the elbow bend with uniform section in water tunnel ..... CHEN Tong, SUN Jiao, SUN Kang-fu, et al. (395)
- Research on the energy dissipation regime of bidirectional flow channel in drip irrigation emitter with PIV ..... WANG Xin-duan, BAI Dan, GUO Lin(401)