



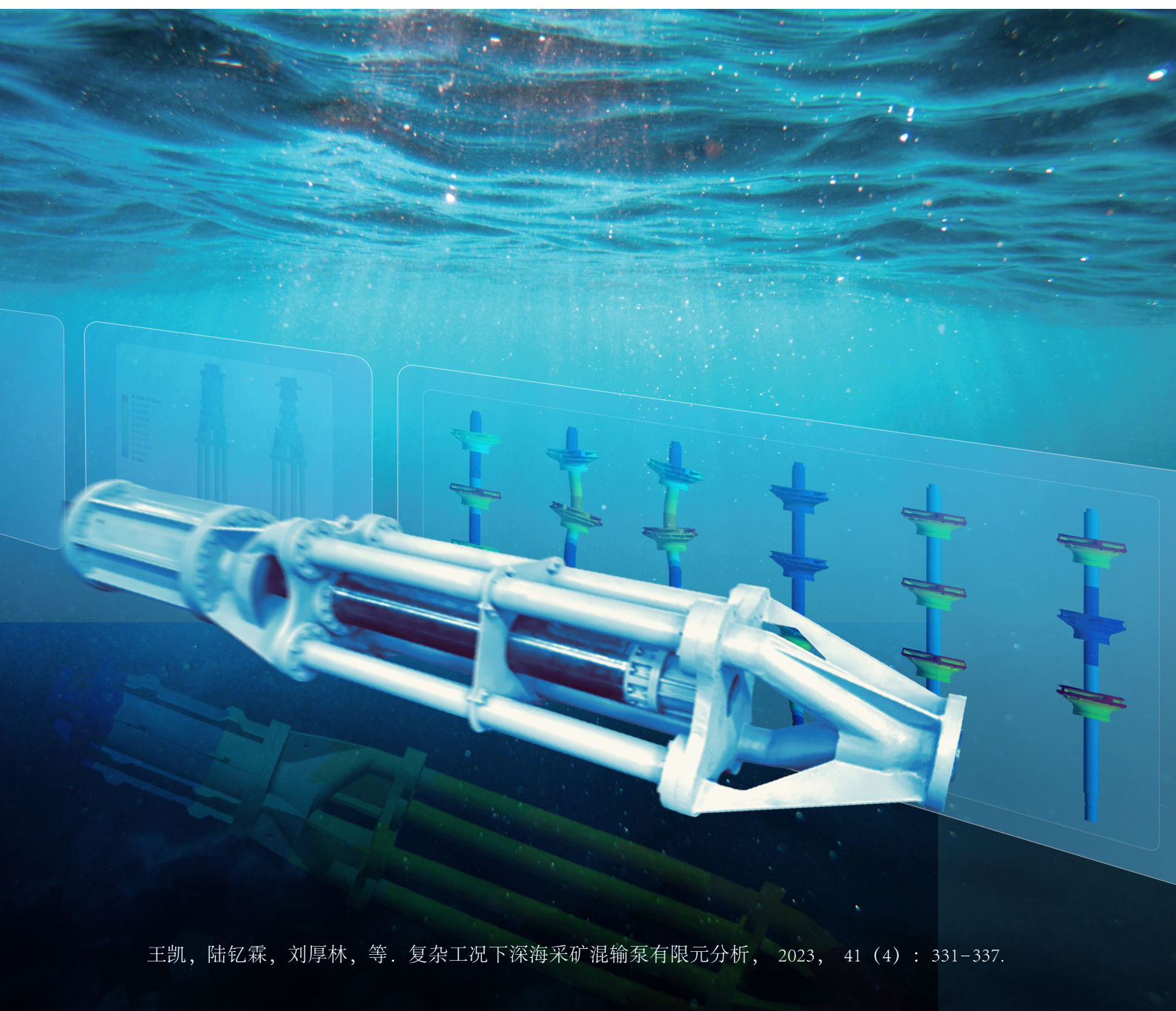
ISSN 1674-8530
CN 32-1814/TH
CODEN PAJIE2

排灌机械工程学报

Journal of Drainage and Irrigation Machinery Engineering

江苏省教育厅 主管

江苏大学 主办



王凯, 陆钊霖, 刘厚林, 等. 复杂工况下深海采矿混输泵有限元分析, 2023, 41 (4): 331-337.



CSCD核心库来源期刊
全国中文核心期刊
中国科技核心期刊
中国农林核心期刊

中国·镇江
Zhenjiang, China

2023年4月
第41卷 第4期
Vol.41 No.4

目次

● 泵理论与技术

栏目主编: 王福军 袁建平

基于数值模拟的单叶片离心泵能量损失分析

施卫东, 王传龙, 谭林伟, 王家斌, 陈成, 叶金诚 (325)

复杂工况下深海采矿混输泵有限元分析

王凯, 陆钊霖, 刘厚林, 程智明, 管禹, 邹丽, 王磊 (331)

轴向间距对贯流式水轮机水力性能的影响

杨孙圣, 方恬, PUNIT Singh, 周成, 赵尔策, 王桃 (338)

凹坑直径变化对仿生离心泵宽频噪声的影响

代翠, 曹晶剑, 仇俊峰, 董亮, 王照雪, 陈怡平 (346)

基于 FFD 方法的离心压气机叶片优化设计与试验

刘基盛, 计良, 李威, 成金鑫, 方鹏程 (354)

● 水利水电工程

栏目主编: 戴会超 仇宝云

浅层地下水水化学特征及适宜性评价

王玉蛟, 贾亮亮, 杨志光, 刘华杰 (363)

考虑涂抹效应的以面和以线代板修正真空预压简化三维有限元模型

朱广超,许增光,曹成,柴军瑞,耿凯强(369)

● 流体工程

栏目主编:王正伟 林建忠

双流体湍流模型对固液两相流计算的影响

张自超,李延频,陈德新(376)

电场强化基面液滴蒸发的研究进展

张天昊,王军锋(384)

多边界条件下空化气泡演变特性的试验研究

胡建明,王宇满,李志爽(393)

● 农业水土工程

栏目主编:康绍忠 张宝忠

加气对滴头堵塞行为的影响

张二信,吕畅,张文倩,董爱红,王彦邦,牛文全(400)

水肥光耦合对小粒咖啡生长特性及水肥利用的影响

蒋泽引,刘小刚,吴朗,张文慧,杨启良(409)

渗蚀过程中孔结构参数对细颗粒流失的影响

魏海江,许增光,耿凯强,冯上鑫(417)

外包滤料对暗管排水与土壤脱盐效果的影响

王文旭,杨树青,胡玲玲,张万锋(425)

CONTENTS

Energy loss analysis of single-blade centrifugal pump based on numerical simulation
..... SHI Weidong, WANG Chuanlong, TAN Linwei, WANG Jiabin, CHEN Cheng, YE Jincheng(325)

Finite element analysis of mixed transport pump in deep-sea mining under complicated conditions
..... WANG Kai, LU Yilin, LIU Houlin, CHENG Zhiming, GUAN Yu, ZOU Li, WANG Lei(331)

Influence of axial spacing on hydraulic performance of tubular turbine
..... YANG Sunsheng, FANG Tian, PUNIT Singh, ZHOU Cheng, ZHAO Erce, WANG Tao(338)

Influence of pit diameter on broadband noise of bionic centrifugal pump
..... DAI Cui, CAO Jingjian, QIU Junfeng, DONG Liang, WANG Zhaoxue, CHEN Yiping(346)

Optimal design and experiment of centrifugal compressor blades based on FFD method
..... LIU Jisheng, JI Liang, LI Wei, CHENG Jinxin, FANG Pengcheng(354)

Chemical characteristics of shallow groundwater and suitability evaluation
..... WANG Yujiao, JIA Liangliang, YANG Zhiguang, LIU Huajie(363)

Modified 3D finite element model of simplified PVDs as surface or line under vacuum preloading considering smearing effect
..... ZHU Guangchao, XU Zengguang, CAO Cheng, CHAI Junrui, GENG Kaiqiang(369)

Influence of two-fluid turbulence models on calculation of solid-liquid two-phase flow field
..... ZHANG Zichao, LI Yanpin, CHEN Dexin(376)

Enhancement of evaporation of droplet on substrate by electric field
..... ZHANG Tianhao, WANG Junfeng(384)

Experimental study on evolution characteristics of cavitation bubble under multiple boundary conditions
..... HU Jianming, WANG Ziman, LI Zhishuang(393)

Influence of air filling on clogging behavior of dripper
..... ZHANG Erxin, LYU Chang, ZHANG Wenqian, DONG Aihong, WANG Yanbang, NIU Wenquan(400)

Effects of water, fertilizer and light coupling on growth characteristics and water and fertilizer utilization of *Arabica coffee*
..... JIANG Zeyin, LIU Xiaogang, WU Lang, ZHANG Wenhui, YANG Qiliang(409)

Effect of pore structure parameters on loss of fine grain during suffusion
..... WEI Haijiang, XU Zengguang, GENG Kaiqiang, FENG Shangxin(417)

Effect of outsourcing filter material on subsurface pipe drainage and soil desalination
..... WANG Wenxu, YANG Shuqing, HU Lingling, ZHANG Wanfeng(425)