

中国科学引文数据库（核心库）
全国中文核心期刊
中国科技核心期刊
俄罗斯《文摘杂志》
日本科学技术振兴机构数据库（JST）

ISSN 1672-2132
CN 32-1695/P

防灾减灾工程学报

JOURNAL OF DISASTER PREVENTION AND MITIGATION ENGINEERING



江苏省地震局
中国灾害防御协会
主办

2023 第43卷
Vol.43 No.4
第4期

防灾减灾工程学报

第 43 卷第 4 期

2023 年 8 月

目 次

“海洋工程监测与灾害防控”专题

- 海湾深厚海床场地二维非线性远场强地震反应特征 缪 涵, 王彦臻, 方 怡, 等 (637)
- 波浪-地震联合作用下跨海斜拉桥横向减振控制研究 雷虎军, 朱广平, 孙昱坤, 等 (650)
- 板锚在双层黏土中埋深损失的大变形有限元分析 高 鹏, 张雷克, 赵燕兵 (658)
- 海上风电平台地基土工程力学特性试验研究 吴 奇, 郭力嘉, 张鑫磊, 等 (666)
- 海岛环境条件下超长灌注桩温度光纤监测研究 高 磊, 曹 阳, 赵子鑫, 等 (674)
- 倾斜荷载下裙式吸力基础抗拔承载力模型试验研究 李大勇, 孙传平, 王栋林, 等 (682)

论文

- 深厚沉积层对地震动持时影响的初步分析 赵 茗, 张 齐, 彭 刚, 等 (692)
- 端承桩-土动力相互作用的频域子结构分析方法 张小玲, 徐英铎, 王丕光, 等 (701)
- 近距离爆炸下钢筋混凝土柱损伤的图像识别及快速评估 郑文言, 段利亚, 方 辉 (712)
- 基于 IDA 的西安站改东配楼结构地震易损性分析 郭宏超, 张思嘉, 雷天奇, 等 (721)
- 基于数值统计的浅埋地下结构地震动强度指标与抗震性能水平划分研究
..... 王 伟, 杨 靖, 张广宇, 等 (732)
- 场地-隧道-地上建筑结构体系地震响应的振动台试验 王彤辉, 李小军, 陈红娟, 等 (742)
- HFMRPC 面层加固带窗洞口砌体墙抗震性能试验研究 刘国安, 王 欣, 杨 哲, 等 (752)
- 考虑地震动转动分量作用的砌体结构易损性分析 李安琪, 李宏男, 张 皓, 等 (763)
- 主余震序列作用下砌体结构累积损伤分析 周 强, 肖 晖, 陈 东, 等 (770)
- 螺旋锚复合基础对村镇生土建筑抗震性能影响研究 侯世伟, 高广亮, 张 皓, 等 (778)
- 地下空间向下增层既有-新增双层排桩支护结构鲁棒稳定性研究 孔德森, 侯 迪, 赵新媛, 等 (787)
- 地铁振动下盾构隧道道床剥离病害演化规律研究 陈鹏涛, 漆泰岳, 梁 孝, 等 (797)
- 湖相沉积软土中盾构端头关键控制措施研究 阮永芬, 张 虔, 吴 龙, 等 (807)
- 剪扭复合作用下预制拼装混凝土桥干接缝抗剪强度分析 王海良, 李搏瀚 (818)
- 高速铁路采空区地基活化判据与工程实例分析 任连伟, 牛 帅, 顿志林, 等 (826)
- 某在建城际铁路明洞段地基回填料缓坡稳定性研究 董聪慧, 阎长虹, 娄志会, 等 (835)
- 金沙江上游圭利滑坡发育特征及运动过程分析 徐 璐, 常 鸣, 武彬彬, 等 (845)
- 基于改进的 PSO-BP 神经网络的边坡稳定性研究 胡少伟, 李原昊, 单常喜, 等 (854)
- 不同含水率下考虑筋土界面刚度软化的加筋边坡地震响应 李水江, 童艳光, 刘飞禹, 等 (862)
- 孔隙液体相态对饱和砂土力学特性影响试验 季伟伟, 杨 庆, 孔纲强, 等 (871)
- 基于离散元的钢-土界面往复剪切特性研究 梁 越, 魏 琦, 陈 创 (878)
- 冻融循环作用下西宁地区黄土动力特性试验研究 唐 鑫, 张吾渝, 童国庆, 等 (887)
- 基于 ARMA 模型磁暴抑制的地震 TEC 异常分析 孟一恒, 黄永明, 卢 永, 等 (896)

综述

- 水-力作用下黏土孔隙结构演化规律研究进展 牛 庚, 郭晓霞, 陈凡秀, 等 (905)

责任编辑: 赵 霞 执行主编: 赵 霞 英文译校: 祁长青

期刊基本参数: CN 32-1695/P * 1981 * b * A4 * 280 * Zh * P * ¥30.00 * 1000 * 30 * 2023-08

CONTENTS

2D Nonlinear Site Response Characteristics of a Cross-bay Deep Seabed Subjected to Far-field Strong Earthquakes	MIAO Han, WANG Yanzhen, FANG Yi, et al(637)
Lateral Vibration Control of Offshore Cable-stayed Bridge under Combined Earthquake and Wave Loads	LEI Hujun, ZHU Guangping, SUN Yukun, et al(650)
Large Deformation Finite Element Analysis on Buried Depth Loss of Plate Anchors in Double-layer Clay	GAO Peng, ZHANG Leike, ZHAO Yanbing(658)
Experimental Study on Engineering Mechanical Characteristics of Foundation Marine Soils of Offshore Wind Power Platform	WU Qi, GUO Lijia, ZHANG Xinlei, et al(666)
Study on the Temperature of Super Long Cast-in-place Pile on the Island Using Optical Fiber Sensing Technology.....	GAO Lei, CAO Yang, ZHAO Zixin, et al(674)
Model Tests on The Bearing Capacity of Modified Suction Caisson under Inclined Pullout Loading	LI Dayong, SUN Chuanping, WANG Donglin, et al(682)
Preliminary Analysis of the Influence of Deep Sediment Layer on Ground Motion Duration	ZHAO Ming, ZHANG Qi, PENG Gang, et al(692)
A Frequency Domain Substructure Analysis Model for Dynamic Interaction between End Bearing Piles and Soil	ZHANG Xiaoling, XU Yingduo, WANG Piguang, et al(701)
Rapid Assessment of Reinforced Concrete Column Damage After Near-field Explosion Based on Image Recognition	ZHENG Wenyuan, DUAN Liya, FANG Hui(712)
IDA-based Seismic Vulnerability Analysis of the Structure of the Modified East Side Building of Xi'an Railway Station	GUO Hongchao, ZHANG Sijia, LEI Tianqi, et al(721)
Seismic Performance Levels and Intensity Index of Shallow-buried Underground Structure by Numerical Statistical Method	WANG Wei, YANG Jing, ZHANG Guangyu, et al(732)
Shaking Table Test of Seismic Response of Site-tunnel-aboveground Building Structure System	WANG Tonghui, LI Xiaojun, CHEN Hongjuan, et al(742)
Experimental Study on Seismic Performance of Masonry Walls with Window Openings Strengthened with Hybrid Fibers Modified Reactive Powder Concrete Coating	LIU Guoan, WANG Xin, YANG Zhe, et al(752)
Vulnerability Analysis of Masonry Structure Considering the Action of Rotational Component of Ground Motion	LI Anqi, LI Hongnan, ZHANG Hao, et al(763)
Cumulative Damage Analysis of Masonry Structure under Mainshock-aftershock Sequence	ZHOU Qiang, XIAO Hui, CHEN Dong, et al(770)
Influence of Screw Anchor Composite Foundation on Seismic Performance of Rural Raw Earth Buildings	HOU Shiwei, GAO Guangliang, ZHANG Hao, et al(778)
Study on Robust Stability of Double Row Piles Supporting Structure Composed of Existing and Newly Added Piles under the Condition of Underground Space Downward Story-adding	KONG Desen, HOU Di, ZHAO Xinyuan, et al(787)
Study on the Evolution of Detachment Disease of Shield Tunnel Track Bed under Metro Vibration	CHEN Pengtao, QI Taiyue, LIANG Xiao, et al(797)
Study on Key Control Measures of Shield End in Lacustrine Sedimentary Soft Soil	RUAN Yongfen, ZHANG Qian, WU Long, et al(807)
Shear Strength of Dry Joints in Precast Concrete Segmental Bridges under Shear-torsion Interaction	WANG Hailiang, LI Bohan(818)
Analysis on Activation Criterion and Engineering Example of High-speed Railway Foundation in Goaf Site	REN Lianwei, NIU Shuai, DUN Zhilin, et al(826)
Stability of a Gentle Backfill Slope in the Open Tunnel Section of an Intercity Railway under Construction	DONG Conghui, YAN Changhong, LOU Zhihui, et al(835)
Development Characteristics and Movement Process of Guilin Landslide in Jinsha River	XU Lu, CHANG Ming, WU Binbin, et al(845)
Research on Slope Stability Based on Improved PSO-BP Neural Network	HU Shaowei, LI Yuanhao, SHAN Changxi, et al(854)
Seismic Response of Reinforced Soil Slope Considering Interface Stiffness Softening under Different Water Content	LI Shuijiang, TONG Yanguang, LIU Feiyu, et al(862)
Triaxial Test on Mechanical Properties of Saturated Sand Influenced by Pore Liquid Phase State	JI Weiwei, YANG Qing, KONG Gangqiang, et al(871)
Reciprocating Shear Characteristics of Steel-soil Interface Based on Discrete Element Method	LIANG Yue, WEI Qi, CHEN Chuang(878)
Experimental Study on Dynamic Characteristics of Loess in Xining Area under Freeze-thaw Cycles	TANG Xin, ZHANG Wuyu, TONG Guoqing, et al(887)
Analysis of Anomalies in Seismic TEC Data Based on ARMA Magnetic Storm Suppression Model	MENG Yiheng, HUANG Yongming, LU Yong, et al(896)
Research Progress on Evolution Law of Clay Pore Structure under Hydro-mechanical Effect	NIU Geng, GUO Xiaoxia, CHEN Fanxiu, et al(905)

防灾减灾工程学报

FANGZAI JIANZAI GONGCHENG XUEBAO

(双月刊, 1981年创刊)

第43卷 第4期

2023年8月15日出版

JOURNAL OF DISASTER PREVENTION AND MITIGATION ENGINEERING

(Bimonthly, Started in 1981)

Vol.43 No.4

Published on Aug. 15, 2023

主 管	江苏省地震局	Superintended by	Jiangsu Earthquake Agency
主 办	江苏省地震局 中国灾害防御协会	Sponsored by	Jiangsu Earthquake Agency China Association for Disaster Prevention
主 编	欧进萍	Chief Editor	Ou Jin-ping
编辑出版	《防灾减灾工程学报》编辑部	Edited and Published by	Editorial Office of Journal of Disaster Prevention and Mitigation Engineering
地 址	南京市卫岗3号, 210014	Address	No. 3 Weigang, Nanjing 210014, China
电子邮箱	fzjzgcxb@vip.163.com	E-mail	fzjzgcxb@vip.163.com
电 话	025-84285560	Tel	025-84285560
网 址	http://fzjzgcxb.ijournals.cn/	Web	http://fzjzgcxb.ijournals.cn/
印 刷	南京百花彩色印刷广告制作有限责任公司	Printed by	Nanjing Baihua Print Advertising Limited Liability Company
发 行	全国非邮发报刊联合发行部 代号: 5219		
发行地址	天津市大泉寺集北里别墅17号		
电 话	022-23973378 022-23962479		

中国标准连续出版物号 **ISSN 1672-2132**
CN 32-1695/P

定价: 30.00元
国内外公开发行

ISSN 1672-2132

