

中国科学引文数据库（核心库）

全国中文核心期刊

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



中国灾害防御协会
江苏省地震局

主办

2021 第41卷

Vol.41 No.1

第1期

防灾减灾工程学报

第 41 卷第 1 期

2021 年 2 月

目 次

论文

- 土石坝高聚物防渗墙离心机振动台模型试验研究王 博, 闫 林, 徐建国 (1)
- 排水刚性桩处置可液化倾斜场地的振动台试验研究陈志雄, 潘小东, 陈育民, 等 (12)
- 基于力学机制的钢筋混凝土柱抗剪承载力模型余 波, 刘圣宾, 丁自豪 (21)
- 套箍加固 RC 轴压中长柱的承载力理论研究毛德均, 钱永久, 宋 帅 (32)
- 地震作用下土-深埋地下结构相互作用的高效时程分析方法赵 密, 李旭东, 高志懂, 等 (39)
- 大直径变截面钢管复合桩竖向承载性能研究魏 纲, 王 新, 崔允亮, 等 (46)
- 近场地震作用下库区深水钢筋混凝土高墩地震易损性分析赵金钢, 杜 斌, 孔德文, 等 (55)
- 动水压力和 PSI 对深水高墩桥梁抗震性能的影响吴文朋, 刘思思, 梁 鹏, 等 (67)
- 筋-土界面刚度软化对加筋土挡墙动力特性的影响刘飞禹, 童艳光, 汪 歆, 等 (75)
- 一种土工合成材料加筋土界面拉拔行为分析杜常博, 易 富 (85)
- 基于细观模拟的轻骨料混凝土破坏行为及尺寸效应研究金 浏, 杨旺贤, 余文轩, 等 (91)
- 外置双 U 型静钻根植工法能源桩换热性能研究娄 扬, 方鹏飞, 张日红, 等 (100)
- 岩体裂隙面形貌特征对其渗流特性的影响研究段玲玲, 邓华锋, 熊 雨, 等 (110)
- 芳纶网橡胶复合粘弹阻尼器性能研究周 娴, 潘 文, 王道航, 等 (118)
- 酸性环境下 Q_2 黄土压缩特性试验研究刘驰洋, 唐 皓, 王念秦, 等 (125)
- 山区地形条件下高架轨道交通引起地面振动实测研究杨金川, 丁选明, 瞿立明, 等 (133)
- 结构面长期强度确定方法对比研究刘 昂, 阮 宁, 朱 军, 等 (140)
- 压电智能骨料动态拉应力标定试验研究张海滨, 侯 爽, 欧进萍 (147)
- 垂直升船机初期火灾疏散路径人群流量分配研究陈 述, 任亚萍, 席 炎, 等 (152)
- 火灾作用下隧道结构力学响应及稳定性分析李忠友, 刘元雪, 姚志华, 等 (159)

综述

- 公路桥面伸缩装置及其对桥梁静动力性能影响综述肖 波, 许维炳, 闫晓宇, 等 (167)
- 场地地震反应分析研究现状及展望于生生, 张熙胤, 陈兴冲, 等 (181)

CONTENTS

Centrifuge Shaking Table Testing of Earth-rock Dam with Polymer Diaphragm Wall	WANG Bo, YAN Lin, XU Jianguo(1)
Research on Efficacy of Rigid-drainage Pile Improvement on Liquefiable Sloping Ground by Shaking Table Tests	CHEN Zhixiong, PAN Xiaodong, CHEN Yumin, et al(12)
Shear Strength Model of Reinforced Concrete Columns based on Mechanical Mechanism	YU Bo, LIU Shengbin, DING Zihao(21)
Theoretical Research on Bearing Capacity of Moderate to Long Reinforced Concrete Columns under Axial Compression and Strengthened by Jacketing	MAO Dejun, QIAN Yongjiu, SONG Shuai(32)
Efficient Analysis for Seismic Soil-structure Interaction with Deep Burial Depth	ZHAO Mi, LI Xudong, GAO Zhidong, et al(39)
Study on Vertical Load Bearing Performance of Large Diameter Steel Composite Pile with Variable Cross-section	WEI Gang, WANG Xin, CUI Yunliang, et al(46)
Seismic Fragility Analysis of Deep-water Reinforced Concrete High-pier in Reservoir Area under Near-fault Earthquakes	ZHAO Jingang, DU Bin, KONG Dewen, et al(55)
Influence of Hydrodynamic Pressure and Pile-Soil Interaction (PSI) on Seismic Performance of High Pier Bridges in Deep Water	WU Wenpeng, LIU Sisi, LIANG Peng, et al(67)
Effect of Stiffness Softening of Reinforcement-soil Interface on Dynamic Characteristics of Reinforced Retaining Wall	LIU Feiyu, TONG Yanguang, WANG Xin, et al(75)
An Interface Pull-out Behavior Analysis of Geosynthetics Reinforced Soil	DU Changbo, YI Fu(85)
Study on Failure Behavior and Size Effect of Lightweight Aggregate Concrete based on Meso-simulation	JIN Liu, YANG Wangxian, YU Wenxuan, et al(91)
Heat Transfer Performance Analysis of Static Drill Rooted Geothermal Energy Piles with External Double U-tubes	LOU Yang, FANG Pengfei, ZHANG Rihong, et al(100)
Study on the Influence of Morphology of Rock Mass Fracture Surface on Its Seepage Characteristics	DUAN Lingling, DENG Huafeng, XIONG Yu, et al(110)
Research on Properties of Aramid Mesh and Rubber Composite Viscoelastic Damper	ZHOU Xian, PAN Wen, WANG Daohang, et al(118)
Experimental Study on Compression Characteristics of Q_2 Loess in Acidic Environment	LIU Chiyang, TANG Hao, WANG Nianqin, et al(125)
Field Tests on Ground Vibration Caused by Viaduct Rail Transit under Mountainous Terrain Conditions	YANG Jinchuan, DING Xuanming, QU Liming, et al(133)
Comparative Study on Methods to Determine Long-term Strength of Discontinuity	LIU Ang, RUAN Ning, ZHU Jun, et al(140)
Experimental Study on Dynamic Tensile Stress Calibration of Smart Aggregate	ZHANG Haibin, HOU Shuang, OU Jinping(147)
Crowd Flow Distribution of Evacuation Path for Vertical Ship Lift on Initial Fire	CHEN Shu, REN Yaping, XI Yan, et al(152)
Stability Assessment and Mechanics Response of Tunnels Subjected to Fire Load	LI Zhongyou, LIU Yuanxue, YAO Zhihua, et al(159)
Research Overview of Bridge Expansion Joint' Disease and Its Influence	XIAO Bo, XU Weibing, YAN Xiaoyu, et al(167)
Present Research Situation and Prospect on Analysis of Site Seismic Response	YU Shengsheng, ZHANG Xiyin, CHEN Xingchong, et al(181)

防灾减灾工程学报

FANGZAI JIANZAI GONGCHENG XUEBAO

(双月刊, 1981年创刊)

第41卷 第1期

2021年2月15日出版

JOURNAL OF DISASTER PREVENTION AND MITIGATION ENGINEERING

(Bimonthly, Started in 1981)

Vol.41 No.1

Published on Feb. 15, 2021

主管	江苏省地震局	Superintended by	Earthquake Administration of Jiangsu Province
主办	中国灾害防御协会 江苏省地震局	Sponsored by	China Association for Disaster Prevention Earthquake Administration of Jiangsu Province
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	fzjzgxcb@vip.163.com	E-mail	fzjzgxcb@vip.163.com
电话	025-84285560 025-84285517	Tel	025-84285560 025-84285517
网址	http://fzjzgxcb.ijournals.cn/	Web	http://fzjzgxcb.ijournals.cn/
印刷	南京河海大学印刷厂	Printed by	HHU Printing House
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

