



QK2027040

ISSN 1672-2132

CN 32-1695/P

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）

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

2020 第40卷

Vol.40 No.2

第2期

防灾减灾工程学报

第40卷第2期

2020年4月

目次

论文

- 反复等向加卸载路径下粉质黏土变形特性研究陈勇, 隆海鹏, 曹玲, 等 (145)
- 桩基础影响下既有地铁隧道截面内力计算研究靳军伟, 李咏梅, 孟潮, 等 (152)
- 斜坡上单桩的统一极限抗力分布模式研究张建伟, 李荣翔, 余杭, 等 (160)
- 基于三铰拱突变模型的岩溶区嵌岩桩溶洞顶板稳定性分析赵明华, 陈言章, 肖尧, 等 (167)
- 矩形柱体地震动水压力的附加质量简化模型赵密, 王丽晓, 黄义铭, 等 (174)
- 铝合金偏压构件高温下整体弯扭承载力研究郭小农, 高舒羽, 朱劭骏, 等 (181)
- 钢筋砼支撑梁爆破拆除新技术及应用何理, 钟冬望, 马建军, 等 (189)
- 盐城响水化工园区“3·21”危化品爆炸事故爆炸威力分析及灾害后果评估
.....陈大鹏, 陈力, 还毅, 等 (196)
- 饱和砂土地2×2高承台直斜群桩动力响应规律研究张健, 李雨润, 闫志晓, 等 (204)
- 塔段连接对多塔悬索桥中间钢桥塔极限承载力的影响白伦华, 张兴标, 沈锐利, 等 (214)
- 粗粒料颗粒形状对材料宏观力学性能的影响李存柱, 盛俭, 周正华, 等 (222)
- 普通硅酸盐混凝土高温性能劣化分析模型李忠友, 刘元雪, 姚志华 (229)
- 盐渍土与混凝土衬砌冻结强度直剪试验研究孙兆辉, 卞汉兵, 鹿翔宇, 等 (236)
- 高分子固化剂改良砂土的渗透特性试验研究王颖, 刘瑾, 王琼亚, 等 (243)
- 泥水盾构带压开舱时压力舱内不同泥浆液位下开挖面稳定性分析俞超杰, 陈健, 陈胜, 等 (251)
- 浅埋富含水砂层盾构下穿敏感性建筑水平冻结+短钢箱接收技术马俊, 杨平, 刘增光, 等 (260)
- 基于简化分析方法的混凝土高温爆裂数值模拟张科, 黄海东 (268)
- 独龙江隧道岩爆相似材料配比试验研究王志佳, 揭基红, 李胜民, 等 (279)
- 金沙江白格滑坡及堰塞湖洪水灾害分析余志球, 邓建辉, 高云建, 等 (286)
- ### 综述
- 铝合金空间结构抗火性能研究进展郭小农, 陈晨, 朱劭骏, 等 (293)
- 结构抗火混合试验方法的研究进展蔡新江, 毛小勇, 田石柱 (309)

CONTENTS

Cyclic Response and Modeling of Saturated Silty Clay Due to Repeated Isotropic Loading and Unloading	CHEN Yong, LONG Haipeng, CAO Ling, et al(145)
Subway Tunnel Section Inner Force Induced by Pile Foundation	JIN Junwei, LI Yongmei, MENG Chao, et al(152)
Study on the Unified Limit Force Profile of Single Pile in Sloping Ground	ZHANG Jianwei, LI Rongxiang, YU Hang(160)
Stability Analysis of Cave Roof under Rock-socketed Pile in Karst Area based on Three-hinged Arch Catastrophe Model	ZHAO Minghua, CHEN Yanzhang, XIAO Yao, et al(167)
A Simplified Added Mass Model for Dynamic Water Pressure Calculation of Rectangle Cylinder under Earthquake	ZHAO Mi, WANG Lixiao, HUANG Yiming, et al(174)
Study on Flexural-Torsional Behavior of Aluminum Alloy Members under Eccentric Compression at Elevated Temperatures	GUO Xiaonong, GAO Shuyu, ZHU Shaojun, et al(181)
New Blasting Demolition Technology and Its Application in Reinforced Concrete Support Beam Engineering	HE Li, ZHONG Dongwang, MA Jianjun, et al(189)
Analysis on the Power and Disaster Consequences of “3·21” Explosion Accident in the Chemical Industry Park of Xiangshui, Yancheng	CHEN Dapeng, CHEN Li, HUAN Yi, et al(196)
Study on Dynamic Response Law of 2×2 Vertical and Batter Pile Groups under Elevated Pile Cap in Saturated Sand	ZHANG Jian, LI Yurun, YAN Zhixiao, et al(204)
Effect of Pylon Segment Connection on Ultimate Capacity of Intermediate Steel Pylon for Multi-span Suspension Bridge	BAI Lunhua, ZHANG Xingbiao, SHEN Ruili, et al(214)
Influence of Particle Shape on the Macroscopic Mechanical Properties of Coarse Aggregate	LI Cunzhu, SHENG Jian, ZHOU Zhenghua, et al(222)
Analysis Model on Deterioration of Ordinary Silicate Concrete under High Temperature	LI Zhongyou, LIU Yuanxue, YAO Zhihua(229)
Direct Shear Tests on Frozen Strength of Interface Between Saline Soil and Concrete Lining	SUN Zhaohui, BIAN Hanbing, LU Xiangyu, et al(236)
Study on the Permeability Characteristics of Sand Reinforced with Polymer Soil Stabilizers	WANG Ying, LIU Jin, WANG Qiongya, et al(243)
Stability Analysis on Excavation Face at Different Slurry Levels When Chamber opens under Pressure in Slurry Shield	YU Chaojie, CHEN Jian, CHEN Sheng, et al(251)
Horizontal Freezing and Short Steel Box Receiving Technology for Shield Beneath Sensitive Building under Shallow Buried Water-rich Sand Layer	MA Jun, YANG Ping, LIU Zengguang, et al(260)
Numerical Simulation on High Temperature Cracking of Concrete based on Simplified Analysis Method	ZHANG Ke, HUANG Haidong(268)
Study on Similar Material Ratio for Rock Burst Test in Dulongjiang Tunnel	WANG Zhijia, JIE Jihong, LI Shengmin, et al(279)
Analysis on Baige Landslide and Barrier Lake Flood Disasters in Jinsha River	YU Zhiqiu, DENG Jianhui, GAO Yunjian, et al(286)
State-of-the-arts of Research on Fire-resistance of Aluminum Alloy Spatial Structures	GUO Xiaonong, CHEN Chen, ZHU Shaojun, et al(293)
Research Progress of Structure Hybrid Fire Testing Method	CAI Xinjiang, MAO Xiaoyong, TIAN Shizhu(309)

防灾减灾工程学报

FANGZAI JIANZAI GONGCHENG XUEBAO

(双月刊, 1981年创刊)

第40卷 第2期

2020年4月15日出版

JOURNAL OF DISASTER PREVENTION AND MITIGATION ENGINEERING

(Bimonthly, Started in 1981)

Vol.40 No.2

Published on Apr. 15, 2020

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	fzjzgcxb@vip.163.com	E-mail	fzjzgcxb@vip.163.com
电话	025-84285560 025-84285517	Tel	025-84285560 025-84285517
网址	http://fzjzgcxb.js-seism.gov.cn/	Web	http://fzjzgcxb.js-seism.gov.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

