

ISSN 1004-4574
CN 23-1324/X

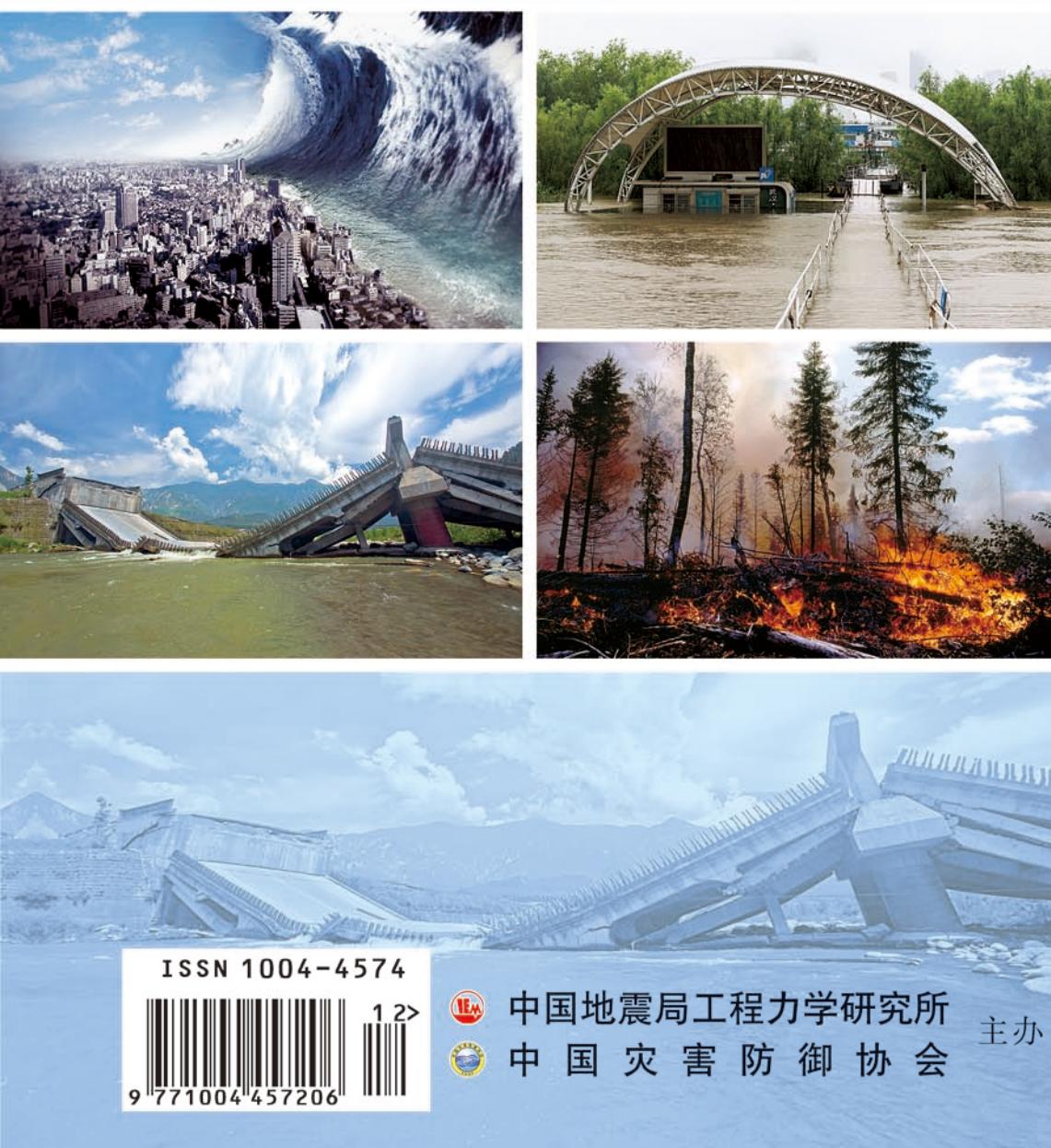
JOURNAL OF NATURAL DISASTERS

自然灾害
學報

6
2020

- ★ 中 国 精 品 科 技 期 刊
- ★ 全 国 中 文 核 心 期 刊
- ★ 中国科学引文数据库 (CSCD) 来源期刊
- ★ 中 国 科 技 核 心 期 刊
- ★ CNKI 中国期刊全文数据库收录
- ★ 重庆维普全文数据库收录

第29卷 第6期 2020年12月
Vol. 29 No. 6 Dec. 2020



ISSN 1004-4574



中国地震局工程力学研究所
中国灾害防御协会

主办

协办单位: •北京师范大学 •清华 大 学 •广州 大 学
•湖 南 大 学 •中国气象局 •中南林业科技大学

自然 灾 害 学 报 (ZIRAN ZAIHAI XUEBAO)

第 29 卷 第 6 期 2020 年 12 月

目 次

双钢板-混凝土组合防护结构受力机理研究综述	严加宝,张令心,林旭川,等(1)
妈湾跨海大直径盾构隧道纵向抗震分析	蔡 鑫,梁建文,徐安全,等(13)
冻土三轴试验温度精准测控新方法	孙义强,孟上九,王 森,等(21)
粉煤灰掺量对混凝土氯离子扩散性能稳定时间的影响及机理	高延红,汪 蒙,周晓芸,等(30)
考虑蠕变和孔隙水压力消散的软土主固结时间的试验研究	陈立国,吴昊天,陈晓斌,等(41)
施工定位偏差对自锚式悬索桥成形影响与控制	郭 湘,王海城,肖 军,等(52)
基于夜间灯光数据的灾后恢复重建动态监测——以鲁甸地震为例	杜若华,刘雷震,沈 秋,等(59)
地震灾害应对决策的模型集成规则挖掘	潘 耀,邓浩宇,陈 厦,等(70)
泥石流沟岸堆积体侧蚀破坏的随机性	严 华,郭晓军,葛永刚,等(85)
坡面泥石流形态和堆积特征研究	王丽娟,马 超,苗 绿 (98)
树木对风沙流场影响的风洞试验研究	郑义津,李正农,涂文戈,等(107)
低矮建筑屋面局部风毁所致瞬态内外压特性研究	袁养金,戴益民,蒋 媚,等(117)
轴力和剪力共同作用下防屈曲剪切钢板阻尼器抗震性能试验研究	尹丽丹,马 宁 (129)
结合构件地震效应分项系数和逆向求解的 RC 框架倒塌分析	方圣恩,张立森 (139)
透水砖与垫层入渗特性对城市降雨产流的影响研究	李 山,仵 苗,李静思,等(147)
永泰公主墓壁画病害机理研究	郑志华 (158)
基于 TOPSIS 理论的采空区边坡危险性评判模型	赵 博,赵钰琼,王佳敏,等(164)
平行及垂直层理裂隙煤体瓦斯渗透特征实验及工程实践	田坤云,罗成云 (172)
黄土丘壑区大型素填场地滑坡的孕滑机理分析	龙建辉,倪向龙,赵邦强,等(180)
贵州省水城县“7·23”灾难性滑坡形成机制研究	李 华,史文兵,朱要强,等(188)
基于 Copula 函数的降水事件危险性评估——以子牙河流域典型区为例	赵铁松,王丽荣,郭恩亮,等(199)
基于 CiteSpaceV 的气象灾害脆弱性研究检索与分析	李 颖,巩世钰,张志茹,等(209)
近 55 年安徽省结冰现象气候特征及趋势分析	张庆奎,项 阳,吉振明,等(218)

责任编辑:康丽君 徐文杰

[期刊基本参数]:CN23 - 1324/X * 1992 * b * A4 * 226 * zh * P * ¥40.00 * 1000 * 23 * 2020 - 12

CONTENTS

- Review on mechanisms of double skin composite protective structures YAN Jiabao, ZHANG Lingxin, LIN Xuchuan, et al. (1)
- Longitudinal seismic analysis of Mawan sea-crossing large diameter shield tunnels CAI Xin, LIAANG Jianwen, XU Anquan, et al. (13)
- Accurate measurement and control of temperature in the triaxial test for frozen soil SUN Yiqiang, MENG Shangjiu, WANG Miao, et al. (21)
- Effect of fly ash content on the stable time of chloride ion diffusion property of concrete and its mechanism GAO Yanhong, WANG Meng, ZHOU Xiaoyun, et al. (30)
- Experimental study on primary consolidation time of soft soil considering creep and dissipation of pore water pressure CHEN Liguo, WU Haotian, CHEN Xiaobin, et al. (41)
- Influence and control of construction positioning deviation on alignment of self-anchored suspension bridge GUO Xiang, WANG Haicheng, XIAO Jun, et al. (52)
- Dynamic monitoring for post-disaster recovery and reconstruction based on night light data
—A case study on Ludian earthquake DU Ruohua, LIU Leizhen, SHEN Qiu, et al. (59)
- Model integration rule mining in earthquake disaster response decision PAN Yao, DENG Haoyu, CHEN Xia, et al. (70)
- The randomness of lateral erosion failure of debris flow gully deposits YAN Hua, GUO Xiaojun, GE Yonggang, et al. (85)
- Morphological and depositional characteristics of slope debris flow WANG Lijuan, MA Chao, MIAO Lv(98)
- Wind tunnel experiments on the influence of trees on wind-sand flow field ZHENG Yijin, LI Zhengnong, TU Wenge, et al. (107)
- Study on the transient internal and external pressure induced by local roof failure of low-rise building YUAN Yangjin, DAI Yimin, JIANG Shu, et al. (117)
- Experimental study on seismic performance of buckling restrained shear plate damper under the combined action of axial force and shear force YIN Lidan, MA Ning(129)
- RC frame collapse analysis using partial coefficients of components under seismic effects and an inverse solution strategy FANG Shengen, ZHANG Lisen(139)
- Study on influence of infiltration characteristics of pervious brick and cushion on rainfall runoff LI Shan, WU Miao, LI Jingsi, et al. (147)
- Experimental investigation on state transform of sodium sulfate and its damaging effect on ancient mural intomb of Princess Yongtai ZHENG Zhihua(158)
- Goaf slope risk evaluation model based on improved TOPSIS method ZHAO Bo, ZHAO Yuqiong, WANG Jiamin, et al. (164)
- Experimental and engineering practice on gas permeability characteristics in parallel and vertical bedding fractured coal body TIAN Kunyun, LUO Chengyun(172)
- Mechanism for landslide at a filled loess site in hilly loess area LONG Jianhui, NI Xianglong, ZHAO Bangqiang, et al. (180)
- Study on the formation mechanism of “7 · 23” catastrophic landslide in Shuicheng County, Guizhou Province, China LI Hua, SHI Wenbing, ZHU Yaoqiang, et al. (188)
- Hazard assessment of precipitation events based on Copula function——Take the typical area of Ziaya River Basin as an example ZHAO Tiesong, WANG Lirong, GUO Enliang, et al. (199)
- Retrieval and analysis of meteorological disaster vulnerability based on CiteSpaceV LI Ying, GONG Shiyu, ZHANG Zhiru, et al. (209)
- Analysis of climatic characteristics and trends for icing weather phenomenon in Anhui Province in recent 55 years ZHANG Qingkui, XIANG Yang, JI Zhenming, et al. (218)