

目 次

建筑结构

装配式组合梁负弯矩区阶梯型UHPC接缝抗裂性能试验研究

屈志浩,邵旭东,邱明红,熊伟,贾贤盛(1)

基于三维点云重建的混凝土结构裂缝定位与追踪 周姝康,丁威,金振奋,俞珂,张鹤,舒江鹏(14)

装配式高强钢组合延性桁架结构滞回性能研究 王凤,陈树利,袁梦皓,李宁,王珊珊(23)

基于响应面法的钢空腹桁架结构优化设计 陈顺云,肖建春,沈睿麟,杨行,盛夏,刘小龙(33)

带PBL剪力键的钢芯板混凝土组合剪力墙低周往复加载试验研究 袁涛涛,蔡玉军,聂少锋,隋璐(42)

框架结构考虑钢筋腐蚀的地震风险评估方法 李波,许亚男,严国虔,阳绪,张云浩(52)

单层悬索柔性光伏支架风振系数研究 李佳炜,贺拥军,全勇(63)

共享铁塔单/双挂载连接件承载性能研究 钟炜辉,彭良辉,郑玉辉,王瑶,刘兆阳(71)

考虑施工偏差高强钢板单边螺栓钢筋连接件抗拉试验研究

段留省,周友利,丁涛涛,吴楠,周天华,潘宏,张化兵(82)

基于非接触式测量技术的高强螺栓预紧力检测方法研究 夏凯峰,石和杰,李涛(93)

输电塔角钢并联加固构件承载力试验研究及理论分析

章东鸿,刘向宏,王嘉琪,黎景辉,孙清,田建渊(102)

建筑材料

碳纤维布加固损伤再生混凝土梁受弯性能研究 延永东,武珂珂,陆春华,梁晓封,季光前(113)

石灰石粉对C60混凝土抗压性能及水化热的影响研究

黄先桃,申波,吴洪梅,邓懋,陈松,谢青青(123)

桥隧工程

钢-PPUC组合正交异性钢桥面板疲劳性能 王佐才,赵玺,王均义,王东晖(131)

中小跨径简支钢板组合梁桥荷载横向分布研究 崔晓晓,刘永健,封博文,张泽军(142)

高寒区隧道洞口段覆雪波纹钢棚洞减载方法研究 雷胜友,程博,倪云,王瑞,李吉刚,王豪杰(154)

岩土工程

新乡地区改良膨胀土路用性能研究 王欢,张斐扬,曹义康,王建棋,闫超,赵向阳(163)

复杂环境下地铁深基坑变形可靠度分析 吴波,夏倩,刘聪,郑卫强,王吾浩(173)

多雨地区建筑垃圾路基填料长期变形特性研究 郑海华,吴谦,李翔宇,叶君辉,史小军(183)

CONTENTS

Building structure

Experimental study on crack resistance of stepped UHPC joints in negative moment zone of fabricated composite beams	QU Zhihao,SHAO Xudong, QIU Minghong, XIONG Wei, JIA Xiansheng(1)
Crack localization and tracking in concrete structures based on 3D point cloud reconstruction	ZHOU Shukang, DING Wei, JIN Zhenfen, YU Ke, ZHANG He, SHU Jiangpeng(14)
Research on hysteretic behavior of prefabricated special truss moment frame fabricated with high-strength steel	WANG Feng, CHEN Shuli, YUAN Menghao, LI Ning, WANG Shanshan(23)
Optimization design of steel vierendeel truss structure based on response surface method	CHEN Shunyun, XIAO Jianchun, SHEN Ruilin, YANG Hang, SHENG Xia, LIU Xiaolong(33)
Low cyclic loading tests on steel core plate and concrete composite shear walls with PBL shear connectors	YUAN Taotao, CAI Yujun, NIE Shaofeng, SUI Lu(42)
Seismic risk assessment method for frame structures considering steel corrosion	LI Bo, XU Yanan, YAN Guoqian, YANG Xu, ZHANG Yunhao(52)
Study on wind vibration coefficient of single-layer cable-suspended photovoltaic support	LI Jiawei, HE Yongjun, QUAN Yong(63)
Study on load-bearing capacity of single/double mounting connectors of shared tower	ZHONG Weihui, PENG Lianghui, ZHENG Yuhui, WANG Yao, LIU Zhaoyang(71)
Tensile test study of high-strength steel plate single-sided bolted steel connections considering construction deviation	DUAN Liusheng, ZHOU Youli, DING Taotao, WU Nan, ZHOU Tianhua, PAN Hong, ZHANG Huabing(82)
Research on high-strength bolt pre-tightening force detection method based on non-contact measurement technology	XIA Kaifeng, SHI Hejie, LI Tao(93)
Experimental research and theoretical analysis on bearing capacity of parallel reinforced components of angle steel for transmission towers	ZHANG Donghong, LIU Xianghong, WANG Jiaqi, LI Jinghui, SUN Qing, TIAN Jianyuan(102)

Building material

Study on flexural capacity of damaged recycled aggregate concrete beams strengthened with CFRP sheets	YAN Yongdong, WU Keke, LU Chunhua, LIAO Xiaofeng, JI Guangqian(113)
Study on Influence of limestone powder on compressive properties and hydration heat of C60 concrete	HUANG Xiantao, SHEN Bo, WU Hongmei, DENG Mao, CHEN Song, XIE Qingqing(123)

Bridge and tunnel engineering

Fatigue performance of steel-PPUC composite orthotropic steel bridge deck	WANG Zuocai, ZHAO Xi, WANG Junyi, WANG Donghui(131)
Study on load lateral distribution of simply supported steel plate composite girder bridge with small and medium span	CUI Xiaoxiao, LIU Yongjian, FENG Bowen, ZHANG Zejun(142)
Study on load reduction method of snow-covered corrugated steel shed hole at tunnel entrance in alpine region	LEI Shengyou, CHENG Bo, NI Yun, WANG Rui, LI Jigang, WANG Haojie(154)

Geotechnical engineering

Research on road performance of improved expansive soil in Xinxiang area	WANG Huan, ZHANG Feiyang, CAO Yikang, WANG Jianqi, YAN Chao, ZHAO Xiangyang(163)
Deformation reliability analysis of subway deep foundation pit under complex environment	WU Bo, XIA Qian, LIU Cong, ZHENG Weiqiang, WANG Wuhan(173)
Study on long-term deformation characteristics of construction waste subgrade filler in rainy area	ZHENG Haihua, WU Qian, LI Xiangyu, YE Junhui, SHI Xiaojun(183)