

目次

建筑结构

- 侧向荷载下分离式楼板体系混凝土模块化高层建筑结构响应分析 王景全,李一凡,樊州,王震(1)
- 考虑爆源不确定性的钢筋混凝土框架结构爆炸易损性分析..... 邓鹏,肖阳,张超,陈仁朋(10)
- 高延性水泥基复合材料纤维梁模型开发及非线性分析..... 白亮,王龙振,张才,梁兴文(21)
- 预制混凝土波纹管通孔剪力墙的抗震性能试验研究 张敏,肖规一,陈宜虎,薛峥嵘,卢旦(34)
- 冷弯薄壁型钢六肢拼合截面柱轴压性能研究..... 赵阳,聂少锋,周天华,刘向斌,桑刘睿,王旭东(42)
- FRP布加固混凝土框架梁柱节点受剪精细化分析模型与计算方法研究
..... 周剑,刘喜,高徐军,刘洋,吕佼佼(51)

建筑材料

- 掺改性煤矸石粉石膏基自流平砂浆的性能研究..... 侯永利,陈猛,杨涛,宋成杰(66)
- 再生细骨料对碱激发再生混凝土性能的影响
..... 陈龙祥,杨鼎宜,刘森,陆世敏,杨凯璐,毛翔,赵健(74)
- 荷载与碳化共同作用下混凝土碳化区时空演变规律研究..... 赵燕茹,李龙,关鹤,王晓勇(86)

桥隧工程

- 考虑弯拉应力影响的腹板弯剪屈曲相关方程 刘永健,毛飞,邢子寒(97)
- UHPC和高强钢筋加固钢筋混凝土桥墩地震易损性分析
..... 付涛,姜润豪,闫旭,李恒箫,张劲文,徐龙伟(107)
- 考虑水泥土增强作用的桥梁桩基竖向承载性能试验研究
..... 万志辉,陆明阳,邵智琦,周峰,戴国亮,李俊辉(120)
- 基于车辆扫描法的任意边界桥梁频率识别理论研究..... 史康,邓津锐,莫向前,杨永斌,邓德帅(130)
- 囊式注浆控制隧道变形的试验及数值模拟研究 谢典延,苏栋,邓俊荣,郑镇跡(141)
- 寒区隧道围岩冻胀力分布特征数值模拟研究
..... 魏智强,陈维,王福恩,王二博,王亚琼,李汉军,王拥军(153)
- 变异地层中注浆恢复盾构隧道横向变形的参数化分析 叶振威,张东明,张晋彰,邵华(163)
- 浸水条件下列车振动荷载对黄土地铁隧道的影响分析..... 翁效林,耿英俏,温博,邓国华,于永堂(174)

岩土工程

- 快速降水技术应用于基坑渗漏抢险的数值模拟研究
..... 程雪松,邱骏,栗晴瀚,石建成,牛琪,杨毓伟,宋占伟(185)
- 非对称开挖下深基坑新型空间内支撑结构体系特性研究
..... 张信贵,梁承考,韦刚,严利斌,韩伟,田应志,张怀(196)
- 小变形下基于能量法的桩基水平承载特性分析方法 马天忠,牛碧辰,郝建炳,王正振(210)

CONTENTS

Building structure

- Structural response analysis of concrete modular high-rise building with discrete diaphragm system under lateral load
..... WANG Jingquan, LI Yifan, FAN Zhou, WANG Zhen(1)
- Blast fragility analysis of reinforced concrete frame structures considering uncertainties in blast sources
..... DENG Peng, XIAO Yang, ZHANG Chao, CHEN Rengpeng(10)
- Development and nonlinear analysis of fiber beam model for engineered cementitious composites
..... BAI Liang, WANG Longzhen, ZHANG Cai, LIANG Xingwen(21)
- Experimental study on seismic performance of precast concrete corrugated pipe through-hole shear wall
..... ZHANG Min, XIAO Guiyi, CHEN Yihu, XUE Zhengrong, LU Dan(34)
- Study on axial compression behaviour of cold-formed thin-walled steel six-limbs built-up section columns
..... ZHAO Yang, NIE Shaofeng, ZHOU Tianhua, LIU Xiangbin, SANG Liurui, WANG Xudong(42)
- Shear fine analysis model and calculation method of concrete frame beam-column joints reinforced by FRP sheet
..... ZHOU Jian, LIU Xi, GAO Xujun, LIU Yang, LYU Jiaojiao(51)

Building material

- Study on performance of gypsum based self-leveling mortar mixed with modified coal gangue powder
..... HOU Yongli, CHEN Meng, YANG Tao, SONG Chengjie(66)
- Effect of recycled fine aggregate on properties of alkali-activated recycled concrete
..... CHEN Longxiang, YANG Dingyi, LIU Miao, LU Shimin, YANG Kailu, MAO Xiang, ZHAO Jian(74)
- Research on spatiotemporal evolution patterns of carbonation zones in concrete under combined action of load and carbonation
..... ZHAO Yanru, LI Long, GUAN He, WANG Xiaoyong(86)

Bridge and tunnel engineering

- Interaction equation for web bending-shear buckling accounting for effect of bending-tension stress
..... LIU Yongjian, MAO Fei, XING Zihan(97)
- Seismic fragility analysis of reinforced concrete bridge piers reinforced with UHPC and high-strength steel bars
..... FU Tao, JIANG Runhao, YAN Xu, LI Hengxiao, ZHANG Jinwen, XU Longwei(107)
- Experimental study on vertical bearing capacity of bridge pile foundation improved by cement-treated soil
..... WAN Zhihui, LU Mingyang, SHAO Zhiqi, ZHOU Feng, DAI Guoliang, LI Junhui(120)
- Theoretical study on bridge frequency identification with arbitrary boundary condition using vehicle scanning method
..... SHI Kang, DENG Jinrui, MO Xiangqian, YANG Yongbin, DENG Deshuai(130)
- Study on experiment and numerical simulation of capsule grouting in control of tunnel deformation
..... XIE Dianyan, SU Dong, DENG Junrong, ZHENG Zhenji(141)
- Numerical simulation study on distribution characteristics of frost heave force in cold region tunnel surrounding rock
..... WEI Zhiqiang, CHEN Wei, WANG Fuen, WANG Erbo, WANG Yaqiong, LI Hanjun, WANG Yongjun(153)
- Parametric analysis on grouting rehabilitation for shield tunnel with transverse deformations in spatially variable soil
..... YE Zhenwei, ZHANG Dongming, ZHANG Jinzhang, SHAO Hua(163)
- Analysis on impact of train vibration load on loess subway tunnel under water immersion conditions
..... WENG Xiaolin, GENG Yingqiao, WEN Bo, DENG Guohua, YU Yongtang(174)

Geotechnical engineering

- Numerical simulation study of rapid dewatering technology in excavation leakage emergency rescue
..... CHENG Xuesong, QIU Jun, LI Qinghan, SHI Jiancheng, NIU Qi, YANG Chengwei, SONG Zhanwei(185)
- Research on characteristics of new spatial internal support structure system in deep foundation pit under asymmetric excavation
..... ZHANG Xingui, LIANG Chengkao, WEI Gang, YAN Li'e, HAN Wei, TIAN Yingzhi, ZHANG Huai(196)
- Analysis method of horizontal bearing characteristics of pile foundation based on energy method under small deformations
..... MA Tianzhong, NIU Bichen, HAO Jianbing, WANG Zhengzhen(210)