

长安大学 主办

ISSN 1673-2049
CN 61-1442/TU
CODEN JKYGA3

建筑科学与工程学报

JOURNAL OF ARCHITECTURE AND
CIVIL ENGINEERING

第39卷 第6期
Vol. 39 No. 6



ISSN 1673-2049



中国·西安
2022 年11月

目次

• 建筑材料 •

建筑垃圾再生骨料性能强化研究进展 马士宾,牛宗岳,刘月钊,王 鹏(1)

钢-聚丙烯混杂纤维陶粒混凝土与钢筋黏结锚固性能试验研究
..... 朱红兵,王 烨,余志武,许成祥,徐文康(14)

改性合成纤维混凝土弯曲及抗冲击试验..... 李长辉,杨 放,王启材,陈 宇,韦志远,吴 堃(24)

活性再生粉纤维增强应变硬化水泥基材料弯曲及拉伸韧性..... 吴瑞雪,张 鹏,赵铁军,郭得阳(34)

传统改性土工程性能试验研究及在城墙修复中的应用 朱才辉,邱 嵩,宋晓峰,党 辉,李玉波(43)

• 结构工程 •

软钢阻尼器剪切刚度理论计算与数值模拟 梁书亭,周 政,朱筱俊(55)

板肋加劲板整体稳定数值模拟与受力机理研究..... 赵 秋,陈 鹏,林志平,张骏超(64)

带可更换梁段的翼缘削弱型节点滞回性能研究..... 郑 宏,尚永芳,苏耀烜,戴永超(74)

带翼缘截面混凝土受压区等效应力图系数研究 任 伟,李敬泉,李晓路(87)

考虑界面滑移效应的波形钢腹板箱梁解析解..... 许 晶,郑智仁,孔华辉,何桂峰(94)

转动变形机制下砌体墙的等效抗侧刚度计算模型..... 郭 猛,范旺生,孙 静(102)

FRP-钢复合管约束高强混凝土轴压短柱试验研究 张剑瑞,何泽朝,马恺泽(113)

基于静动力模型修正的简支梁桥承载力评定方法 张文武,张荣凤,亢兴军,米家禾(122)

新型钢桁梁-混凝土箱梁结合段构造形式与力学性能分析 邓淑飞,刘永健,宗 昕(133)

• 防灾减灾工程 •

考虑 RC 楼板作用的组合节点抗震性能参数分析 张冬芳,陈荣波,康彦彪,赵均海,张 磊(143)

玻璃幕墙铝合金立柱插芯节点抗震性能试验研究 ... 刘 艳,肖建春,胡天杰,金 东,陈 靖,张 兵(154)

基于文化遗产价值的闽浙木拱廊桥防火策略 陈舒洁,刘永健,秋原雅人,缪 远(163)

《建筑科学与工程学报》2022 年(第 39 卷)总目次 (174-1)

CONTENTS

• Building Material •

Research Progress on Performance Enhancement of Recycled Aggregate from Construction Waste
..... MA Shi-bin, NIU Zong-yue, LIU Yue-zhao, WANG Peng(1)

Experimental Study on Bond Anchorage Performance Between Steel-polypropylene Hybrid Fiber Ceramsite Concrete and Reinforcement
..... ZHU Hong-bing, WANG Ye, YU Zhi-wu, XU Cheng-xiang, XU Wen-kang(14)

Bending and Impact Test on Modified Synthetic Fiber Reinforced Concrete
..... LI Chang-hui, YANG Fang, WANG Qi-cai, CHEN Yu, WEI Zhi-yuan, WU Kun(24)

Bending and Tensile Toughness of Fiber-reinforced Cementitious Composites with Reactivity Recycled Powder
..... WU Rui-xue, ZHANG Peng, ZHAO Tie-jun, GUO De-yang(34)

Experimental Study on Engineering Properties of Traditional Modified Soil and Its Application in City Wall Restoration
..... ZHU Cai-hui, QIU Song, SONG Xiao-feng, DANG Hui, LI Yu-bo(43)

• Structural Engineering •

Theoretical Calculation and Numerical Simulation of Shear Stiffness of Mild Steel Dampers
..... LIANG Shu-ting, ZHOU Zheng, ZHU Xiao-jun(55)

Study on Force Mechanism and Numerical Simulation of Overall Stability of Stiffened Panel with Plate Rib
..... ZHAO Qiu, CHEN Peng, LIN Zhi-ping, ZHANG Jun-chao(64)

Research on Hysteretic Behavior of Flange Weakened Joint with Replaceable Beam Section
..... ZHENG Hong, SHANG Yong-fang, SU Yao-xuan, DAI Yong-chao(74)

Study on Equivalent Stress Diagram Coefficient of Concrete Compression Zone with Flange Section REN Wei, LI Jing-quan, LI Xiao-lu(87)

Analytical Solutions for Box-girder with Corrugated Steel Webs Considering Interface Slip Effect
..... XU Jing, ZHENG Zhi-ren, KONG Hua-hui, HE Gui-feng(94)

Calculation Model of Equivalent Lateral Stiffness of Masonry Wall Under Rotational Deformation Mechanism
..... GUO Meng, FAN Wang-sheng, SUN Jing(102)

Experimental Research on FRP-steel Composite Tube Confined High-strength Concrete Short Column Under Axial Compression
..... ZHANG Jian-rui, HE Ze-zhao, MA Kai-ze(113)

Simple-supported Beam Bridge Bearing Capacity Assessment Method Based on Static and Dynamic Model Modification
..... ZHANG Wen-wu, ZHANG Rong-feng, QI Xing-jun, MI Jia-he(122)

Analysis on Structural Form and Mechanical Performance of an Innovative Steel Truss Girder-concrete Box Girder Connecting Section
..... DENG Shu-fei, LIU Yong-jian, ZONG Xin(133)

• Disaster Prevention and Mitigation Engineering •

Parameter Analysis of Seismic Behavior of Composite Joint Considering Effect of RC Slab
..... ZHANG Dong-fang, CHEN Rong-bo, KANG Yan-biao, ZHAO Jun-hai, ZHANG Lei(143)

Experimental Study on Seismic Performance of Aluminum Alloy Column Ferrule Joints for Glass Curtain Wall
..... LIU Yan, XIAO Jian-chun, HU Tian-jie, JIN Shu, CHEN Jing, ZHANG Bing(154)

Fire Prevention Strategy of Wooden Arch Covered Bridge in Min-Zhe Area Based on Cultural Heritage Value
..... CHEN Shu-jie, LIU Yong-jian, AKIHARA Masato, MIAO Yuan(163)

Total Contents of Volume 39 of *Journal of Architecture and Civil Engineering* in 2022 (174-5)