

El Compendex
Scopus
CA

中文核心期刊要目总览(2021年版)
中国科技论文统计源期刊(中国科技核心期刊)
中国核心期刊(遴选)数据库
中国学术期刊文摘(中、英文版)源期刊
中国科技论文与引文数据库(CSTPCD)
中国科学引文数据库(CSCD)来源期刊
中国学术期刊综合评价数据库(CAJCED)
中国期刊全文数据库(CJFD)
中文科技期刊数据库
CEPS中文电子期刊全文数据库
RCCSE中国权威学术期刊

ISSN 1007-9629
CN 31-1764/TU
CODEN JCXUFN

建筑材料学报

JOURNAL OF
BUILDING
MATERIALS

Vol. 25

5

2022

同济大学

Tongji University

建筑材料学报

1998年创刊

总第 135 期

第 25 卷 第 5 期 2022 年 5 月

目 次

柠檬酸和柠檬酸铵对氯氧镁水泥水稳定性的改善机理	顾 康	陈 兵	(441)			
钢筋-煤系偏高岭土水泥砂浆抗氯盐-硫酸盐侵蚀性能	李 闯	范颖芳	王耀宇	李秋超	(447)	
考虑聚羧酸减水剂作用的水泥净浆水膜厚度模型	郑 丹	辛全浩	梁云涛	(454)		
抗分散剂对水下 3D 打印建筑砂浆性能的影响	杨钱荣	赵宗志	蒋正武	(461)		
3D 打印可冲刷水泥基材料建造及力学性能	孙晓燕	陈景轩	王海龙	张 静	(470)	
机场跑道超薄层修复用磷酸盐基材料性能和机理	杨全兵	王 薇	吴方政	孙娜峰	(477)	
玄武岩纤维对活性粉末混凝土受压破坏的影响	杨立云	林长宇	张 飞	谢焕真	汪自扬	(483)
混凝土超低温冻融循环损伤演化规律和机理	周大卫	刘娟红	段品佳	程立年	娄百川	(490)
再生混凝土的单轴压缩动态力学性能	白卫峰	李思蕾	管俊峰	郑永杰	苑晨阳	(498)
基于因子设计法优化和预测水下不分散混凝土的抗分散性能	张 营	孙国文	张国强	王彩辉	王亚倩	(509)
煤矸石粉/聚酯纤维沥青混合料盐冻损伤研究	吴金荣	张 涛	李 飞	(516)		

研 究 简 报

交变温度对细骨料珊瑚混凝土中钢筋耐腐蚀性能的影响	冯兴国	范琦琦	杨 洋	路新伟	卢向雨	(525)
开封城墙修复土配合比试验	岳建伟	杨 雪	赵丽敏	张大伟	(532)	
沥青混合料饱水过程的强度演化规律及机理分析	任敏达	冯汉卿	丛 林	刘人玮	(537)	

工 程 应 用

干湿/冻融循环作用下改良隔离墙的渗透性及孔隙结构	刘 科	刘 霖	张永鹏	(545)
--------------------------------	-----	-----	-----	-------

JOURNAL OF BUILDING MATERIALS

Started in 1998

Series No. 135

Vol. 25 No. 5 May 2022

Contents

- Mechanism of Citric Acid and Ammonium Citrate Tribasic on Improving Water Stability of Magnesium Oxychloride Cement
.....*GU Kang, CHEN Bing* (441)
- Corrosion Resistance to Chloride and Sulfate Salt Attack of Steel Bar-Cement Mortar Containing Coal Metakaolin
.....*LI Chuang, FAN Yingfang, WANG Yaoyu, LI Qiuchao* (447)
- Water Film Thickness Model of Cement Paste Considering the Effect of Superplasticizer
.....*ZHENG Dan, XIN Quanhao, LIANG Yuntao* (454)
- Influence of Anti-dispersant on the Performance of Underwater 3D Printing Building Mortar
.....*YANG Qianrong, ZHAO Zongzhi, JIANG Zhengwu* (461)
- Manufacture and Mechanical Properties of 3D Printing Cement Based Materials For Washable Formwork
.....*SUN Xiaoyan, CHEN Jingxuan, WANG hailong, ZHANG Jing* (470)
- Performance and Mechanisms of Magnesia-Phosphate Cement-Based Material Used for Ultra-Thin-Layer Rehabilitation of Airport Runways
.....*YANG Quanbing, WANG Wei, WU Fangzheng, SUN Nafeng* (477)
- Effect of Basalt Fiber on Failure of Reactive Powder Concrete under Uniaxial Compression
.....*YANG Liyun, LIN Changyu, ZHANG Fei, XIE Huanzhen, WANG Ziyang* (483)
- Damage Evolution Law and Mechanism of Concrete under Cryogenic Freeze-Thaw Cycles
.....*ZHOU Dawei, LIU Juanhong, DUAN Pinjia, CHENG Linian, LOU Baichuan* (490)
- Dynamic Mechanical Properties of Recycled Concrete under Uniaxial Compression
.....*BAI Weifeng, LI Silei, GUAN Junfeng, ZHENG Yongjie, YUAN Chenyang* (498)
- Optimization and Prediction for Anti-washout Ability of Underwater Concrete Based on Factorial Design
.....*ZHANG Ying, SUN Guowen, ZHANG Guoqiang, WANG Caihui, WANG Yaqian* (509)
- Salt-Freezing Damage Performance of Coal Gangue Powder/Polyester Fiber Asphalt Mixture
.....*WU Jinrong, ZHANG Tao, LI Fei* (516)

Research Notes

- Effect of Alternating Temperature on Corrosion Resistance of Reinforcements in Fine Coral Aggregate Concrete
.....*FENG Xingguo, FAN Qiqi, YANG Yang, LU Xinwei, LU Xiangyu* (525)
- Experimental on Mix Proportion of Restoration Soil for Kaifeng City Wall
.....*YUE Jianwei, YANG Xue, ZHAO Limin, ZHANG Dawei* (532)
- Strength Evolution Law and Mechanism Analysis of Asphalt Mixtures during Water Saturation
.....*REN Minda, FENG Hanqing, CONG Lin, LIU Renwei* (537)

Engineering Applications

- Permeability and Pore Structure of Improved Isolation Wall under the Action of Dry-Wet/Freeze-Thaw Cycles
.....*LIU Ke, LIU Lin, ZHANG Yongpeng* (545)