

El Compendex

Scopus

CA

中文核心期刊要目总览(2011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. 16

3

2013

同济大学

Tongji University

建筑材料学报

1998 年创刊

总第 79 期

第 16 卷 第 3 期 2013 年 6 月

目 次

干湿交替下混凝土内部相对湿度变化规律	高原	张君	韩宇栋 (375)
高温后混凝土软化本构曲线的确定		俞可权	陆洲导 (382)
高温后混杂纤维 RPC 单轴受压应力-应变关系	郑文忠	李海艳	王英 (388)
石墨膨胀玻化微珠砂浆的吸波性能	贾兴文	吴洲	张亚杰等(396)
降温方式对高温后钢筋混凝土短柱轴压力学性能的影响	王志伟	霍静思	郭玉荣 (402)
硫酸盐对聚羧酸减水剂分散性能的影响	刘娟红	宋少民	高霞等(410)
矿物掺合料对混凝土抗酸雨侵蚀特性的影响	王凯	马保国	张泓源 (416)
混凝土层划分与氯离子分布的表征方法及应用		黄智山	魏荟荟 (422)
再生混凝土-钢筋黏结滑移本构关系研究	杨海峰	邓志恒	李雪良等(429)
纤维混凝土抗冻性能研究		孙家瑛	(437)
沥青混合料同轴剪切重复荷载试验方法与评价指标	李立寒	耿韩	章毅等(441)
水泥乳化沥青混合料动态模量特性	肖晶晶	沙爱民	蒋玮等(446)
基于数字图像处理技术的沥青混合料分形特性		陈尚江	张肖宁 (451)
膨胀型钢结构防火涂层湿热老化规律研究		王玲玲	李国强 (456)
无机添加剂对糯米灰浆性能影响及机理研究	李祖光	方世强	魏国锋等(462)
桐油灰浆材料的物理性能与显微结构	魏国锋	方世强	李祖光等(469)
水环境下偶联剂处理聚乙烯木塑复合材表面性质的演变		邸明伟	王辉 (475)

工 程 应 用

黄河三角洲改性含盐水泥土搅拌桩耐久性研究	崔新壮	张娜	王聪等(481)
国产材料木框架墙体抗剪性能研究	杜敏	谢宝元	费本华等(487)

研 究 简 报

减缩剂与内养护复合对水泥砂浆性能的影响	党玉栋	钱觉时	郭清春等(491)
自燃煤矸石活性研究	孙志华	刘开平	汪敏强等(497)
应力损伤对混凝土抗碳化性能的影响	赵庆新	许宏景	闫国亮 (503)
混凝土振捣动态可视化监测系统开发研究	田正宏	边策	毛龙等(508)
原状粉煤灰与钢纤维复合用于机场道面混凝土	迟维胜	孙惠香	王晓龙 (514)
三水醋酸钠基复合相变材料导热能力强化研究	李伟华	茅靳丰	李金田等(517)
微观尺度下浇筑式沥青混合料超热老化机理		侯睿	郝增恒 (521)
硫磺改性沥青混合料的动态模量试验分析		侯睿	郭忠印 (525)
沥青路面抗凝冰损伤功能性修复材料试验研究	陈瑶	单丽岩	谭忆秋等(529)
外加材料对乳化沥青冷再生混合料路用性能的影响		杜少文	(534)
温度对温拌橡胶沥青混合料体积参数的影响	王翼	刘黎萍	孙立军 (539)
土工格栅横肋与纵肋加筋机理研究	陈榕	郝冬雪	栾茂田等(544)

实 验 技 术

基于激光粒度分析仪的硅灰粒度检测条件研究	李化建	万广培	谢永江等(549)
----------------------------	-----	-----	-----------

快 讯

夏普计划 25 年(1987~2012)的回顾和展望		朱涵	(555)
----------------------------------	--	----	-------

本期责任编辑:张先禹 外文审校:顾国芳

JOURNAL OF BUILDING MATERIALS

Started in 1998

Series No. 79

Vol. 16 No. 3 Jun. 2013

Contents

Experimental Study on the Internal Relative Humidity in Concrete under Dry-Wet Cycles GAO Yuan, ZHANG Jun, HAN Yu-dong	(375)
Determination of Softening Traction-Separation Laws after Exposure to High Temperature YU Ke-quan, LU Zhou-dao	(382)
Compressive Stress-Strain Relationship of Hybrid Fiber-Reinforced Reactive Powder Concrete after Exposure to High Temperature ZHENG Wen-zhong, LI Hai-yan, WANG Ying	(388)
Microwave Absorbing Properties of Graphite Expanded and Vitrified Small Ball Mortar JIA Xing-wen, WU Zhou, ZHANG Ya-jie, et al	(396)
Effect of Cooling Method on Mechanical Behaviors of RC Stub Columns with Sustained Pre-load after Exposure to High Temperatures WANG Zhi-wei, HUO Jing-si, GUO Yu-rong	(402)
Effect of Sulfate on Dispersing Properties of Polycarboxylate Superplasticizer LIU Juan-hong, SONG Shao-min, GAO Xia, et al	(410)
Effect of Mineral Admixtures on Deterioration of Concrete under Acid Rain Attack WANG Kai, MA Bao-guo, ZHANG Hong-yuan	(416)
Division of Layers in Concrete and Characterization Methods for Distribution of Chloride Concentration and Its Application HUANG Zhi-shan, WEI Hui-hui	(422)
Experimental Study on Bond-Slip Relationship between Recycled Concrete and Steel Bar YANG Hai-feng, DENG Zhi-heng, LI Xue-liang, et al	(429)
Frost Resistance Characteristics of Fiber Concrete SUN Jia-ying	(437)
Method and Evaluating Indicator of Cyclic Coaxial Shear-Load Test for Asphalt Mixture LI Li-han, GENG Han, ZHANG Yi, et al	(441)
Dynamic Modulus Characteristics for Cement Emulsified Asphalt Mixture XIAO Jing-jing, SHA Ai-min, JIANG Wei, et al	(446)
Fractal Characteristics of Asphalt Mixtures Based on Digital Image Processing Technique CHEN Shang-jiang, ZHANG Xiao-ning	(451)
Study on Factors Affecting Antiaging Properties of Intumescent Coating for Steel Structure WANG Ling-ling, LI Guo-qiang	(456)
Influence of Inorganic Admixture on Performance of Sticky Rice-Lime Mortar and Its Mechanism LI Zu-guang, FANG Shi-qiang, WEI Guo-feng, et al	(462)
Physical Properties and Microscopic Structure of Tung Oil-Lime Putty WEI Guo-feng, FANG Shi-qiang, LI Zu-guang, et al	(469)
Evolution of Surface Properties for Wood/Polyethylene Composites Treated by Silicane Coupling Agent under Water Immersion DI Ming-wei, WANG Hui	(475)
Engineering Applications	
Durability of Salty Soil-Cement Mixed Pile in the Yellow River Delta CUI Xin-zhuang, ZHANG Na, WANG Cong, et al	(481)
Shear Performance of Wood-Frame Shear Walls Made of Domestic Material DU Min, XIE Bao-yuan, FEI Ben-hua, et al	(487)
Research Notes	
Influence of Combination of Shrinkage Reducing Admixture with Internal Curing on Properties of Cement Mortar DANG Yu-dong, QIAN Jue-shi, GUO Qing-chun, et al	(491)
Study on Activation Properties of Spontaneous Combustion Coal Gangue SUN Zhi-hua, LIU Kai-ping, WANG Min-qiang, et al	(497)
Influence of Stress Damage on Carbonation of Concrete ZHAO Qing-xin, XU Hong-jing, YAN Guo-liang	(503)
Development Research on Visual Kinematic Monitoring System of Concrete Vibrating Process TIAN Zheng-hong, BIAN Ce, MAO Long, et al	(508)
Combined Use of Raw Fly Ash and Steel Fiber in Airport Pavement Concrete CHI Wei-sheng, SUN Hui-xiang, WANG Xiao-long	(514)
Study of Enhancing Heat Conductivity of Composite Phase Change Material Based on Trihydrate Sodium Acetate LI Wei-hua, MAO Jin-feng, LI Jin-tian, et al	(517)
Epithermal Aging Mechanism of Gussasphalt Based on Microcosmic Perspective HAO Zeng-heng	(521)
Dynamic Modulus Test Analysis of Sulfur Modified Asphalt Mixture HOU Rui, GUO Zhong-yin	(525)
Research on Functional Repairing Material for Asphalt Pavement to Resist Condensate Ice Damage CHEN Yao, SHAN Li-yan, TAN Yi-qiu, et al	(529)
Effect of Additives on Pavement Performance of Cold Recycled Asphalt Emulsion Mixture DU Shao-wen	(534)
Influence of Temperature on Volumetric Parameters of Asphalt Rubber Mixture with Warm-Mix Additive WANG Yi, LIU Li-ping, SUN Li-jun	(539)
Reinforcement Mechanism of Transverse and Longitudinal Geogrid Ribs CHEN Rong, HAO Dong-xue, LUAN Mao-tian, et al	(544)
Test Technic	
Research on Conditions for Particle Size Measurement of Silica Fume(SF) by Laser Particle Size Analyzer LI Hua-jian, WAN Guang-pei, XIE Yong-jiang, et al	(549)
Rapid Communication	
On SHRP; Twenty-Five Years' Review and Outlook ZHU Han	(555)