

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

同济大学  
Tongji University

Vol. 16

1

2013

# 建筑材料学报

1998 年创刊

总第 77 期

第 16 卷 第 1 期 2013 年 2 月

## 目 次

高温中与高温后混凝土的冲击力学特性 .....	许金余	刘 健	李志武等( 1 )
黏砂变形 GFRP 筋与约束混凝土之间的黏结性能 .....	薛伟辰	王 圆	方志庆 ( 6 )
基于交流阻抗技术的混凝土表层氯离子扩散性研究 .....	吴立朋	阎培渝	( 12 )
冻融循环作用下混凝土受压本构特征研究 .....	曹大富	富立志	杨忠伟等( 17 )
再生混凝土基本力学性能试验及应力-应变本构关系 .....	陈宗平	徐金俊	郑华海等( 24 )
养护温度对高掺量粉煤灰水泥浆体水化的影响 .....	钱文勋	蔡跃波	张燕迟等( 33 )
盐冻环境下钢筋混凝土黏结性能的梁式试验 .....	徐 港	艾天成	谢晓娟等( 37 )
掺复合缓凝剂的磷酸钾镁水泥浆体的水硬化特性 .....	杨建明	史才军	常 远等( 43 )
混凝土中钢筋锈蚀的实时监测 .....	贺鸿珠	崔玉理	史美伦等( 50 )
可再分散乳胶粉对钢渣砂浆性能的影响 .....	孙振平	杨 洁	庞 敏等( 55 )
活化方式对 CFBC 脱硫灰自硬化性能的影响 .....	马保国	陈全滨	李相国等( 60 )
丁苯橡胶乳液改性碳纳米管-水泥砂浆机敏性能 .....	李庚英	杨 晶	曾令波等( 65 )
吸声组分对陶粒多孔混凝土性能的影响 .....	李文芳	骆翔宇	金雪莉 ( 70 )
复配阻燃沥青氧指数和路用性能研究 .....	李立寒	邹小龙	陈春羽 ( 76 )
乳化沥青颗粒粒度的图像分析方法 .....	周 基	田 琼	英 红等( 81 )
基于细观结构特征的沥青混合料断裂机理研究 .....	崔亚楠	邢永明	倪文琛 ( 86 )
脂肪酸/无机纳米颗粒基定形相变材料的制备与热性能 .....	孟 多	王立久	( 91 )
十六醇/十六酸/十二酸三元复合相变体系研究 .....	于永生	井强山	宋方方 ( 97 )

## 工 程 应 用

掺排水污泥固结体微粉沥青混合料路用性能 .....	沈建生	孙家瑛	( 102 )
---------------------------	-----	-----	---------

## 研 究 简 报

减水剂与乳液复掺对水泥浆 zeta 电位的影响 .....	钟世云	李晋梅	韩冬冬等(106)
E/VC/VL 三元共聚物对水泥砂浆孔结构和性能的影响 .....	张国防	王培铭	( 111 )
拉压应力下自密实混凝土碳化性能试验研究 .....	郑建岚	黄利颖	( 115 )
非离子纤维素醚改性水泥浆的孔结构 .....	欧志华	马保国	蹇守卫 ( 121 )
CA 砂浆力学性能与体积对温度的稳定性 .....		王 涛	( 127 )
钢筋在混凝土模拟液中的电化学腐蚀行为 .....	陈海燕	李欢园	陈丕茂等( 131 )
CFRP 加固受损钢管混凝土轴压柱试验研究 .....	顾 威	李宏男	孙国帅 ( 138 )
单轴压荷载下掺合料对混凝土渗透性的影响 .....	洪 雷	危行财	汪明刚 ( 143 )
湿法磷酸萃取工艺对磷石膏晶形的影响 .....	李 美	彭家惠	张建新等(147)
支撑柱对真空平板玻璃静态特性的影响 .....	缪 宏	张瑞宏	左敦稳等(153)
碱性固化材料对红土地基的化学侵蚀 .....	杨华舒	杨宇璐	闫毅志等(159)
排水性沥青混合料路用性能改善措施 .....	程 成	马 翔	刘松玉 ( 164 )
环氧树脂胶黏剂涂覆木材的防水性能研究 .....	杨友龙	尹业高	熊光晶 ( 170 )
宽频带高降噪性复合构造木质吸声板工艺设计 .....	郭禾苗	于海鹏	( 175 )

## 实 验 技 术

SBS 改性沥青中 SBS 含量测试方法研究 .....	孙大权	张立文	( 180 )
------------------------------	-----	-----	---------

本期责任编辑:陈 智 外文审校:顾国芳

# JOURNAL OF BUILDING MATERIALS

Started in 1998

Series No. 77

Vol. 16 No. 1 Feb. 2013

## Contents

Impact Mechanical Properties of Concrete at and after Exposure to High Temperature	XU Jin-yu, LIU Jian, LI Zhi-wu, et al	( 1 )
Bond Behavior between Sand-Coated GFRP Rebar and Confined Concrete	XUE Wei-chen, WANG Yuan, FANG Zhi-qing	( 6 )
Study of Diffusivity of Chloride Ion on Surface Layer of Concrete Based on AC Impedance Technology	WU Li-peng, YAN Pei-yu	( 12 )
Study on Constitutive Relations of Compressed Concrete Subjected to Action of Freezing-Thawing Cycles	CAO Da-fu, FU Li-zhi, YANG Zhong-wei, et al	( 17 )
Basic Mechanical Properties Test and Stress-Strain Constitutive Relations of Recycled Coarse Aggregate Concrete	CHEN Zong-ping, XU Jin-jun, ZHENG Hua-hai, et al	( 24 )
Influence of Curing Temperature on Hydration of Cement Paste Adding High Volume of Fly Ash	QIAN Wen-xun, CAI Yue-bo, ZHANG Yan-chi, et al	( 33 )
Beam Test of Bond Behavior between Steel Bar and Concrete in Salt-Frost Environment	XU Gang, AI Tian-cheng, XIE Xiao-juan, et al	( 37 )
Hydration and Hardening Characteristics of Magnesium Potassium Phosphate Cement Paste Containing Composite Retarders	YANG Jian-ming, SHI Cai-jun, CHANG Yuan, et al	( 43 )
Real Time Monitoring of Corrosion of Rebar in Concrete	HE Hong-zhu, CUI Yu-li, SHI Mei-lun, et al	( 50 )
Influence of Redispersible Emulsion Powder on Properties of Steel Slag Mortar	SUN Zhen-ping, YANG Jie, PANG Min, et al	( 55 )
Influence of Activation Methods on Self-cementitious Properties of CFBC Desulfurized Ash	MA Bao-guo, CHEN Quan-bin, LI Xiang-guo, et al	( 60 )
Piezoresistivity of Carbon Nanotubes-Cement Mortars Modified by Styrene-Butadiene Rubber Emulsion	LI Geng-ying, YANG Jing, ZENG Ling-bo, et al	( 65 )
Effect of Acoustic Components on Characteristics of Ceramsite Porous Concrete	LI Wen-fang, LUO Xiang-yu, JIN Xue-li	( 70 )
Study on Oxygen Index and Road Performance of Flame Retardant Asphalt with Combined Additives Added	LI Li-han, ZOU Xiao-long, CHEN Chun-yu	( 76 )
Calculation Method of Particle Sizes in Asphalt Emulsion Based on Digital Image Processing	ZHOU Ji, TIAN Qiong, YING Hong, et al	( 81 )
Study on Split Mechanism of Asphalt Mixture Based on Meso-structure Feature	CUI Ya-nan, XING Yong-ming, NI Wen-chen	( 86 )
Preparation and Thermal Properties of Fatty Acid/Inorganic Nano-particle Form-Stable Phase Change Material	MENG Duo, WANG Li-jiu	( 91 )
Study on the Ternary Phase Change System of H/PA/LA	YU Yong-sheng, JING Qiang-shan, SONG Fang-fang	( 97 )
<b>Engineering Application</b>		
Road Performance of Asphalt Mixture Adding Solidified Sewage Sludge Powder	SHEN Jian-sheng, SUN Jia-ying	(102)
<b>Research Notes</b>		
Influence of Mixing Procedures of Superplasticizer and Latex on Zeta Potential of Cement Pastes	ZHONG Shi-yun, LI Jin-mei, HAN Dong-dong, et al	(106)
Effects of Ethylene/Vinyl Chloride /Vinyl Laurate Redispersible Terpolymer on Pore Structure and Properties of Cement Mortar	ZHANG Guo-fang, WANG Pei-ming	(111)
Experimental Study on Carbonation of Self-compacting Concrete under Tensile and Compressive Stresses	ZHENG Jian-lan, HUANG Li-pin	(115)
Pore Structure of Cement Pastes Modified by Non-ionic Cellulose Ethers	OU Zhi-hua, MA Bao-guo, JIAN Shou-wei	(121)
Temperature Stability of Mechanical Properties and Volume of CA Mortar	WANG Tao	(127)
Electrochemical Corrosion Behavior of Reinforcing Steel in Simulated Concrete Pore Solution	CHEN Hai-yan, LI Huan-yuan, CHEN Pi-mao, et al	(131)
Study on Mechanical Properties of Damaged Axially Loaded Concrete Filled Steel Tube Columns Strengthened with CFRP Composite Materials	GU Wei, LI Hong-nan, SUN Guo-shuai	(138)
Influence of Mineral Admixtures on Permeability of Concrete under Sustained Uniaxial Compressive Load	HONG Lei, WEI Xing-cai, WANG Ming-gang	(143)
Influence of Extraction Process on Crystal Morphology of Phosphogypsum Produced in Wet-Process Phosphoric Acid	LI Mei, PENG Jia-hui, ZHANG Jian-xin, et al	(147)
Effect of Shore on Static Characteristics of Vacuum Plate Glass	MIAO Hong, ZHANG Rui-hong, ZUO Dun-wen, et al	(153)
Chemical Erosion of Laterite Soils by Alkaline Materials	YANG Hua-shu, YANG Yu-lu, YAN Yi-zhi, et al	(159)
Measures to Improve Performance of Porous Asphalt Mixture	CHENG Cheng, MA Xiang, LIU Song-yu	(164)
Study of Water Resistance of Wood Coated with Epoxy Resin	YANG You-long, YIN Ye-gao, XIONG Guang-jing	(170)
Technique Study on Compound Structural Wooden Acoustic Board with Wideband and High Level Noise Reduction	GUO He-miao, YU Hai-peng	(175)
<b>Test Technic</b>		
Quantitative Determination of SBS Content in SBS Modified Asphalt	SUN Da-quan, ZHANG Li-wen	(180)