

# 工业建筑

ISSN 1000-8993  
CN 11-2068/TU



## INDUSTRIAL CONSTRUCTION

中文核心期刊 主办：中冶建筑研究总院有限公司



**厦门正黎明冶金机械有限公司**

XIAMEN ZHENGLIMING METALLURGICAL MACHINERY CO.,LTD

# INDUSTRIAL CONSTRUCTION

## 外界环境对混凝土性能影响的研究

- 1 细骨料携带氯离子的砂浆强度和粘结力长期暴露试验研究 张小刚 王卫仑 王 娇, 等  
6 自愈合对氯离子在开裂混凝土内侵蚀的影响 延永东 金伟良 王海龙  
10 高温条件下混凝土模拟孔隙溶液中钢筋腐蚀临界氯离子浓度的试验研究 周剑婷 宋晓冰  
14 暴露 21 年后混凝土的碳化及氯离子侵入研究 范 宏 付燕弟 赵铁军  
19 人工气候环境下腐蚀混凝土梁的承载力研究 王建东 张俊芝 鲁 列, 等  
23 RMO - 水泥净浆涂层改善混凝土抗硫酸盐侵蚀性能的研究 黄 波 邓德华 廖乃凤, 等  
27 冻融和盐溶液作用下连续玄武岩纤维约束混凝土圆柱割线泊松比的研究 郭 旗 胡 昆 潘建伍  
34 锈蚀钢筋与混凝土的环向粘结试验研究 胡秉偃 邢 锋 赵羽习, 等  
39 混凝土中钢筋锈蚀深度比值的概率分布模型研究 王 青 徐 港 卫 军, 等
- 43 德国工业建筑空间设计给我们的启示 刘志麟 殷 芳 官 政  
47 湖南大学校园公共空间新旧整合的研究 何 玮  
50 浅析太阳能与住宅建筑一体化设计 王润生 郑 鑫 刘 明  
53 被动式太阳能生态住宅设计研究 王 玲 田穗苓 王丽洁  
57 秸秆节能墙体的应用研究 邱 芄 戴 娇 刘兰斗  
60 施工期钢筋混凝土结构可靠性研究 袁雪霞 金伟良 陈天民  
66 框 - 剪结构黏滞阻尼减震设计 孙金坤 程 敏 何 鑫, 等  
71 栏杆结构的受力性能及设计方法研究 齐玉军 冯 鹏 叶列平  
80 大空间快捷改造用槽钢 - 砖砌体组合梁受弯性能试验研究 张鸿梅 刘 威  
84 改进遗传算法的结构调谐质量阻尼器风振控制的优化设计 强 跃 何 建 何运祥, 等  
88 考虑位移影响及土拱效应的土压力研究 卢坤林 朱大勇 杨 扬  
93 钢丝网筋材的加筋作用特性试验研究 刘 泽 杨果林 黄向京  
99 基于强度折减的边坡抗滑桩有限元可靠性分析 吴坤铭 王建国 谭晓慧  
104 泉州地区典型土动剪切模量及阻尼比的试验研究 蔡辉腾 秦 娟 许 莉, 等  
108 大型张弦梁结构施工过程模拟 彭 添 刘振华 刘祥宇

## 现代钢结构

- 112 四角钢连接框架 - 十字加劲钢板墙结构抗震性能试验研究 虎 奇 郝际平 郭宏超, 等  
116 半刚性铝合金蒙皮结构极限承载力分析 李 强 郝际平  
120 新型外套管式节点试验研究及简化设计 李黎明 李 宁 蔡玉春  
126 轮辐式大跨度张拉结构地震反应分析 ( II ) 冼耀强 刘伯权 丁江澍

## 工程实录

- 134 压力型预应力抗浮锚杆逆作施工技术及其在腐蚀性承压水地层中的应用 柳建国 杨宝森 陈国强, 等  
139 大面积柔性轻型屋面施工技术在大型建筑工程中的应用 韩建聪 赵 伟

1	Long-Term Exposure Experimental Investigation on Mortar Strength and Its Bond Performance with Chloride Ion Permeating in Sands	Zhang Xiaogang Wang Weilun Wang Jiao, et al
6	Influence of Self-Healing on Chloride Ion Ingress in Cracked Concrete	Yan Yongdong Jin Weiliang Wang Hailong
10	Experimental Research on Chloride Threshold Level of Steel Corrosion in Synthetic Pore Solution Under High Temperature	Zhou Jianting Song Xiaobing
14	Research on Carbonation and Chloride Profiles of Concrete After 21 Years of Exposure	Fan Hong Fu Yandi Zhao Tiejun
19	Study on Bearing Capacity of Corrosion of RC Beams Under Artificial Climate Environment	Wang Jiandong Zhang Junzhi Lu Lie, et al
23	Improvement of Concrete Resistance to Sulfate Attack by RMO-Cement Paste Coating	Huang Bo Deng Dehua Liao Naifeng, et al
27	Experimental Study on Tangent Poisson Ratio of BFRP-Confined Concrete Circular Column Under Freeze-Thaw Cycles and Sodium Chloride Solution	Guo Qi Hu Kun Pan Jianwu
34	Experimental Study on Hoop Bond Between Corrosion Bar and Concrete	Hu Bingyan Xing Feng Zhao Yuxi, et al
39	Study on Probability Distribution Model of the Ratio Between Maximum Pit Depth and Average Corrosion Penetration Depth for Reinforcement Bars in Concrete	Wang Qing Xu Gang Wei Jun, et al
43	Inspirations from Design of German Industrial Building Space	Liu Zhilin Yin Fang Gong Zheng
47	Research and Integration Design of Old and New Campus Public Space in Hunan University	He Wei
50	Analysis of Integration Design of Solar Energy and Residential Buildings	Wang Runsheng Zheng Xin Liu Ming
53	Studies on the Design of Passive Solar Ecological Residence	Wang Ling Tian Wenling Wang Lijie
57	Application of Straw Energy-Saving Wall	Di Peng Ji Jiao Liu Landou
60	Structural Reliability of Reinforced-Concrete Building Under Construction	Yuan Xuexia Jin Weiliang Chen Tianmin
66	Viscous Damping Seismic Design of Frame-Shear Wall Structure	Sun Jinkun Cheng Min He Xin, et al
71	Study on Mechanical Properties and Design of Railing Structures	Qi Yujun Feng Peng Ye Lieping
80	Experimental Study on Flexural Behavior of Channel-Masonry Composite Beams for Fast Reconstruction of Large Space	Zhang Hongmei Liu Wei
84	Optimal Design of Wind-Induced Vibration Structure with TMD Devices Based on Improved Genetic Algorithm	Qiang Yue He Jian He Yunxiang, et al
88	Research on Earth Pressure Considering Displacement and Soil Arching	Lu Kunlin Zhu Dayong Yang Yang
93	Test Study on the Reinforcement Characteristics of Steel Mesh	Liu Ze Yang Guolin Huang Xiangjing
99	Reliability Analysis of Slope with Anti-Slide Piles by Displacement Iterative FEM Based on Strength Reduction Method	Wu Kunming Wang Jianguo Tan Xiaohui
104	Testing Study on Dynamic Shear Modulus and Damping Ratio of Typical Soils in Quanzhou Area	Cai Huiteng Qin Juan Xu Li, et al
108	Simulation of Construction Process of Large Beam String Structure	Peng Tian Liu Zhenhua Liu Xiangyu
112	Experimental Study on Seismic Behavior of Four-Angle Composite Steel Frame with Cross-Stiffened Steel Plate Shear Walls	Hu Qi Hao Jiping Guo Hongchao, et al
116	Analysis of Ultimate Capacity of Stressed-Skin for Aluminum Alloy Structure with Semi-Rigid Connections	Li Qiang Hao Jiping
120	Experimental Study on Outer-Shell Connection and Its Simplified Design	Li Liming Li Ning Cai Yuchun
126	Seismic Response of a Rung-Shape Long Span Tensile Structure ( II )	Xian Yaoqiang Liu Boquan Ding Jiangshu
134	Top-Down Construction Method of Pressured Grout Prestressed Anti-Floating Anchor and Its Application in the Corrosive Confined Water Soil Layers	Liu Jianguo Yang Baosen Chen Guoqiang, et al
139	Application of Construction Technology of Big, Flexible and Light Roofing in a Large Construction Project	Han Jiancong Zhao Wei