

ISSN 0454-5648

CN 11-2310/TQ

CODEN KSYHA5

硅酸盐学报

JOURNAL OF THE CHINESE CERAMIC SOCIETY

中国硅酸盐学会

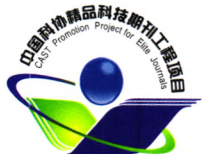
THE CHINESE CERAMIC SOCIETY

氯离子侵蚀混凝土管桩寿命预测理论模型

邵伟, 李镜培, 岳著文

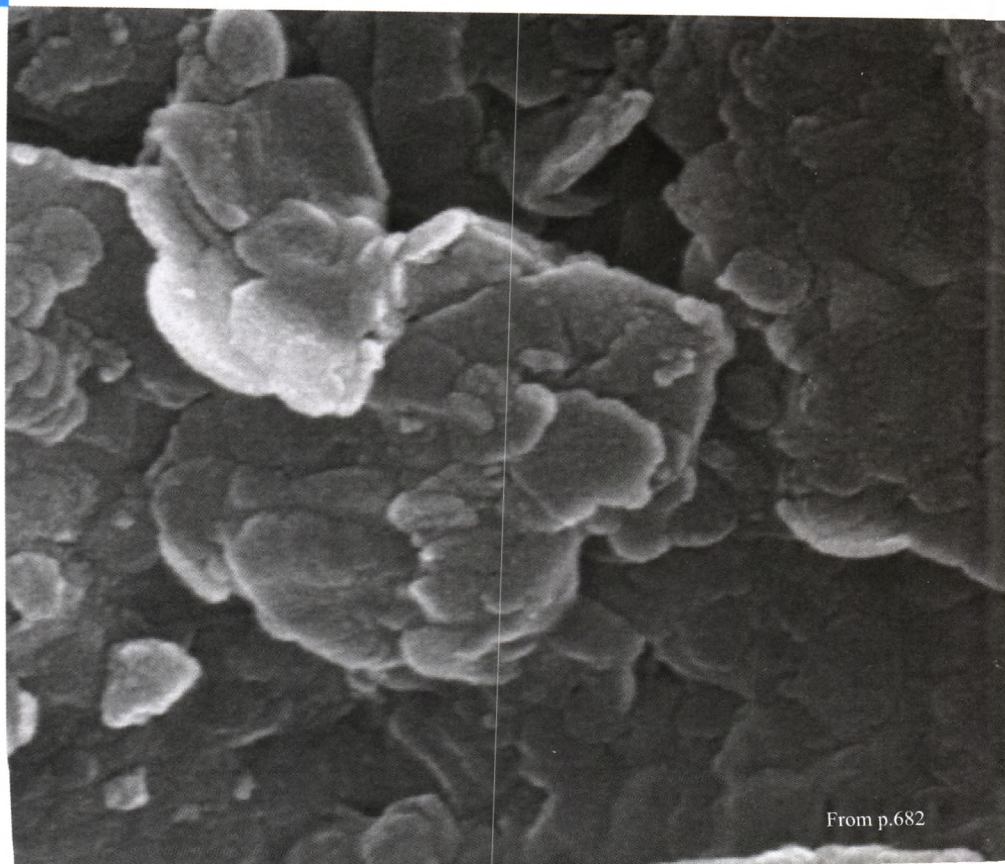
Service Life Prediction of Concrete Pipe Pile Due to Chloride Ion
Corrosion by Modeling

SHAO Wei, LI Jingpei, YUE Zhuwen



Vol.41 No.5

2013
万方数据



From p.682

Bi 核心期刊, CA, SA, PAK 收录期刊



1957 年创刊

硅 酸 盐 学 报

总 290 期

Guisuanyan Xuebao

(无机非金属材料)

第 41 卷 第 5 期 2013 年 5 月, 月刊

目 次

水泥基材料

- 氯离子侵蚀混凝土管桩寿命预测理论模型 邵 伟, 李镜培, 岳著文 (575)
- 水泥-粉煤灰-石灰石粉复合浆体的流变性能 马昆林, 龙广成, 谢友均, 朱 蓉 (582)
- 氯氧镁水泥水化历程的影响因素及水化动力学
..... 文 静, 余红发, 吴成友, 李 颖, 董金美, 郑利娜 (588)
- 养护条件对水泥基材料孔隙结构的影响 罗明勇, 曾 强, 庞晓赞, 李克非 (597)
- 水泥砂浆的早龄期热膨胀系数的时变特征 江晨晖, 杨 杨, 李 鹏, 王晓栋, 马成畅 (605)
- 用水淬二次镍渣制备矿山充填材料及其水化机理
..... 高术杰, 倪 文, 李克庆, 王中杰, 王佳佳, 张福利, 祝丽萍, 李 媛 (612)
- 自修复混凝土中微生物矿化方解石的形成机理 钱春香, 罗 勉, 潘庆峰, 李瑞阳 (620)
- 微生物技术在混凝土裂缝自修复中应用的研究进展(综合评述)(英文) 高礼雄, 孙国文 (627)
- 高二氧化碳浓度下石灰石的热分解反应动力学 李 辉, 张乐乐, 段永华, 闵永刚 (637)
- 以不同磷酸钙盐形式引入 P^{5+} 掺杂对阿利特结构及活性的影响 王 彬, 任雪红, 张文生 (644)
- 用重镁水添加草酸钠制备高纯球形氧化镁 夏勇亮, 刘家祥, 欧 龙, 季佳善 (650)

矿物材料

- 锌掺杂对针状氧化铁的结构及电化学性能的影响 吕 慧, 蒋荣立, 周 璐, 李艳芬 (656)
- 氯化铁-硫酸钠体系中合成的施威特曼石的稳定性 刘 欢, 陆现彩, 欧阳冰洁, 李 娟, 陆建军 (663)
- 热处理针铁矿的结构与色度演化 邹雪华, 陈天虎, 刘海波, 陈 冬, 张 萍, 谢巧勤 (669)
- 白炭黑表面接枝乙烯基改性及其对硅橡胶硫化性能的影响 宋英泽, 宋丽贤, 芦 艾, 卢忠远, 丁 涌 (674)
- Mg-Al 类水滑石的制备及摩擦性能 栾中岳, 白志民, 宋学礼, 任建兴 (679)
- 煅烧高岭土的比表面积与吸油性能 孙 涛, 陈洁渝, 周春宇, 雷新荣 (685)

陶瓷

- 熔盐法合成锆酸钙 任雪潭, 滕元成, 李 鹏 (691)
- 低温常压烧结制备碳化硅-莫来石复相材料 何平伟, 李晓云, 陆鑫翔, 丘 泰, 杨 建 (696)
- 均相沉淀-燃烧法合成单分散球形 $SiO_2/CaMoO_4:Eu^{3+}, Li^+$ 红色荧光粉的发光性能
..... 王 夏, 韦 万, 梁振华, 彭桂花, 韩小宝 (701)

万方数据

无机新能源材料专题

二氧化铅三维有序大孔材料的制备及孔壁特性.....徐骁龙, 张 辉, 刘盛楠, 李 钊, 万金秀 (705)

微波水热合成时间对 Bi_2MoO_6 微晶形貌和可见光催化性能的影响张 婷, 黄剑锋, 曹丽云, 周 森 (710)

CoFe_2O_4 纳米颗粒的溶液合成及磁性能彭 韬, 齐建全, 岳振星 (715)

pH 值对微波水热合成 BiVO_4 微晶形貌及光学性能的影响孟 岩, 黄剑锋, 费 杰, 王 勇, 曹丽云, 吴建鹏 (720)

JOURNAL OF THE CHINESE CERAMIC SOCIETY

Guisuanyan Xuebao

(Inorganic and Non-metallic Materials)

Total No. 290

May, 2013

Vol. 41, No. 5, Monthly

CONTENTS

Cement-Based Material

Service Life Prediction of Concrete Pipe Pile Due to Chloride Ion Corrosion by Modeling

..... SHAO Wei, LI Jingpei, YUE Zhuwen (575)

Rheological Properties of Compound Pastes with Cement-Fly Ash-Limestone Powder

..... MA Kunlin, LONG Guangcheng, XIE Youjun, ZHU Rong (582)

Hydration Kinetic and Influencing Parameters in Hydration Process of Magnesium Oxychloride Cement

..... WEN Jing, YU Hongfa, WU Chengyou, LI Ying, DONG Jinmei, ZHENG Lina (588)

Effect of Curing Conditions on Pore Structure of Cement Based Materials

..... LUO Mingyong, ZENG Qiang, PANG Xiaoyun, LI Kefei (597)

Time Dependence on Thermal Expansion Behavior of Cement Mortar at Early Ages

..... JIANG Chenhui, YANG Yang, LI Peng, WANG Xiaodong, MA Chengchang (605)

Preparation and Hydrated Mechanism of Mine Filling Material of Water-Granulated Secondary Nickel Slag

..... GAO Shujie, NI Wen, LI Keqing, WANG Zhongjie, WANG Jiajia, ZHANG Fuli, ZHU Liping, LI Yuan (612)

Mechanism of Microbially Induced Calcite Precipitation in Self-healing Concrete

..... QIAN Chunxiang, LUO Mian, PAN Qingfeng, LI Ruiyang (620)

Development of Microbial Technique in Self-healing of Concrete Cracks (Review)(English)..... GAO Lixiong, SUN Guowen (627)

Kinetics of Thermal Decomposition Reaction of Limestone at High Carbon Dioxide Concentration

..... LI Hui, ZHANG Lele, DUAN Yonghua, MIN Yong (637)

Effect of P^{5+} from Different Calcium Phosphate Doping on Structure and Hydration Activities of Alite

..... WANG Bin, REN Xuehong, ZHANG Wensheng (644)

Preparation of High Purity Magnesia with Orbicular Structure from Magnesium Bicarbonate by Adding Sodium Oxalate

..... XIA Yongliang, LIU Jiaxiang, OU Long, JI Jiashan (650)

Mineral Material

Effect of Doping Zinc Ion on Structure and Electrochemical Properties of Needle-like Iron Oxide Nanoparticles

..... LYU Hui, JIANG Rongli, ZHOU Lu, LI Yanfen (656)

Stability of Schwertmannite Synthesized in Ferric Chloride-Sodium Sulphate System

..... LIU Huan, LU Xiancai, OUYANG Bingjie, LI Juan, LU Jianjun (663)

Structural and Chromatic Evolution of Goethite by Thermal Treatment

..... ZOU Xuehua, CHEN Tianhu, LIU Haibo, CHEN Dong, ZHANG Ping, XIE Qiaoqin (669)

Surface Grafting Vinyl on Silica White Surface and Its Effect on Curing Behavior of Silicone Rubber

..... SONG Yingze, SONG Lixian, LU Ai, LU Zhongyuan, DING Yong (674)

Preparation and Tribological Properties of Mg-Al Hydrotalcite-like Compounds

..... LUAN Zhongyue, BAI Zhimin, SONG Xueli, REN Jianxing (679)

Specific Surface Area and Oil Adsorption of Calcinated Kaolin Clay

..... SUN Tao, CHEN Jieyu, ZHOU Chunyu, LEI Xinrong (685)

Ceramic

- Synthesis of CaZrO_3 Powder from Molten Salts *REN Xuetao, TENG Yuancheng, LI Peng* (691)
- Low Temperature Pressureless Sintering of SiC-Mullite Composites
..... *HE Pingwei, LI Xiaoyun, LU Xinxiang, QIU Tai, YANG Jian* (696)
- Spherical $\text{SiO}_2/\text{CaMoO}_4\cdot\text{Eu}^{3+}, \text{Li}^+$ Red Phosphor Synthesized via Homogeneous Precipitation and Combustion Method and Its
Luminescence Properties *WANG Xia, WEI Wan, LIANG Zhenhua, PENG Guihua, HAN Xiaobao* (701)

Sustainable Inorganic Energy Material

- Preparation of Three-Dimensional Ordered Macroporous Zirconia and Characteristics of Its Pore Walls
..... *XU Xiaolong, ZHANG Hui, LIU Shengnan, LI Fan, WAN Jinxiu* (705)
- Influence of Microwave Hydrothermal Duration on Morphology and Visible-light Photocatalytic Property of Bi_2MoO_6 Crystallites
..... *ZHANG Ting, HUANG Jianfeng, CAO Liyun, ZHOU Sen* (710)
- Synthesis of CoFe_2O_4 Nanoparticles via Solution Method and Their Magnetic Properties
..... *PENG Tao, QI Jianquan, YUE Zhenxing* (715)
- Influence of pH Value on Morphology and Optical Property of BiVO_4 Crystallites Prepared by Microwave Hydrothermal Process
..... *MENG Yan, HUANG Jianfeng, FEI Jie, WANG Yong, CAO Liyun, WU Jianpeng* (720)