

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

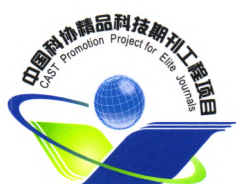
<http://www.gxyb.cbpt.cnki.net>

水泥基孔隙材料中水蒸气的等温吸附与脱附过程

张东东, 庞晓贇, 李克非

Water Vapor Sorption Isotherm of Cement-based Porous Materials

ZHANG Dongdong, PANG Xiaoyun, LI Kefei

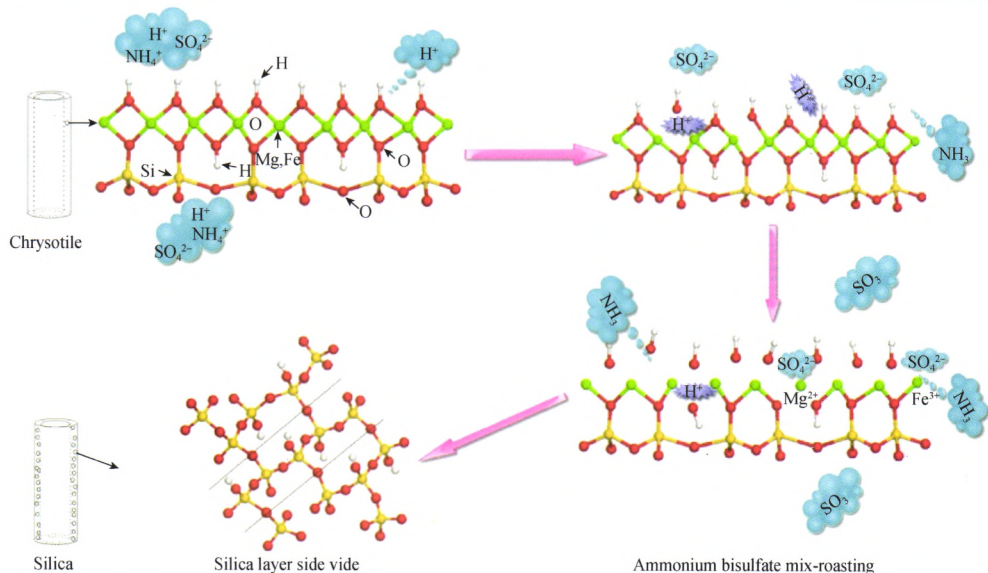


F5000

Vol.43 No.5

2015

万方数据



From p.697

Ei 核心期刊, Scopus, CA, SA, P&R 收录期刊



F5000

1957 年创刊

硅 酸 盐 学 报

总 314 期

Guisuanyan Xuebao

(无机非金属材料)

<http://www.gxyb.cbpt.cnki.net>

第 43 卷 第 5 期 2015 年 5 月, 月刊

目 次

- 水泥基孔隙材料中水蒸气的等温吸附与脱附过程..... 张东东, 庞晓赞, 李克非 (545)
- 水泥乳化沥青砂浆的静态热机械性能及拟合模型..... 傅 强, 谢友均, 龙广成, 宋 昊, 殷水平 (555)
- 基于背散射电子图像的矿渣-水泥复合体系反应程度的定量分析..... 张倩倩, 魏 亚 (563)
- 不同长度侧链的梳状结构聚羧酸盐的合成及其对新拌水泥浆体性能的影响..... 向顺成, 史才军, 吴林妹, 种霖霖 (570)
- 快烧对磷石膏脱水相组成及胶凝性能的影响..... 李凤玲, 钱觉时, 倪小琴, 张 超, 林 洲 (579)
- 微膨胀和侧向约束共同作用下混凝土徐变性能和孔结构的关系..... 张戎令, 王起才, 马丽娜 (585)
- 马来酰亚胺型聚羧酸系减水剂大单体的制备..... 李继新, 王海玥, 蒋 锋, 李志丹 (594)
- 利用差示扫描量热法研究孔溶液结冰对水饱和水泥基材料低温热形变的影响
..... 张 楠, 张 涛, 廖 娟, 霍 亮, 蔺喜强, 李国友, 戢文占 (599)
- 超高韧度水泥基复合材料经亚高温处理后的性能..... 林建辉, 余江滔, Victor C. LI (604)
- 水泥-矿渣复合胶凝材料硬化浆体的微观结构(英文)..... 刘仍光, 丁士东, 阎培渝 (610)
- 基于微生物诱导矿化的混凝土表面缺陷及裂缝修复技术研究进展(综合评述)..... 钱春香, 任立夫, 罗 勉 (619)
- 高延性纤维增强水泥基复合材料的微观力学设计、性能及发展趋势(综合评述)..... 曹明莉, 许 玲, 张 聪 (632)
- 白光发光二极管用 $\text{Eu:}(\text{Y}_{0.9}\text{La}_{0.1})_2\text{O}_3$ 透明陶瓷的制备及性能
..... 刘 强, 孙 莹, 李 江, 袁 勇, 刘 婧, 林 丽, 潘裕柏, 郭景坤 (643)
- 不同还原条件下制备的固体氧化物燃料电池支撑阳极 Ni-YSZ 的性能..... 汪 峰, 缪馥星, 官万兵 (650)
- 钛酸锂储能电池胀气机理研究进展(综合评述)..... 徐淑银, 刘燕燕, 高 飞, 杨 凯, 王绥军, 胡勇胜 (657)
- 纳米 SnO_2 可控合成及其对 $\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2$ 电化学性能的影响..... 孙艳光, 武瑞英, 罗智妹, 刘慧勇 (665)
- 以溴酸根插层锌铝水滑石为载体构建新溴源体系..... 王力耕, 郑飞翔, 蒋晨星, 倪哲明 (672)

锰氧化物修饰铁酸钴纳米棒对亚甲基蓝的吸附性能·····	刘建红, 贾志刚, 李圣标, 秦 琪, 杨路路, 诸荣孙 (678)
以纳米多晶 β 沸石为壳的核壳 Y 型沸石复合物的制备及表征·····	潘 梦, 王广帅, 郑家军, 鲍杰华, 李 彪, 李瑞丰 (685)
纤蛇纹石焙烧去金属氧化物制备纤维状二氧化硅·····	宋鹏程, 彭同江, 孙红娟, 余玉操 (692)
磷渣基聚物材料固化砷钙渣的机理·····	罗中秋, 周新涛, 贾庆明, 周元康, 刘守庆, 张召述 (699)
甲基三乙氧基硅烷对多孔二氧化硅反射膜结构和性能的影响(英文)·····	黄玉萍, 吴春春, 杨 辉, 阙永生, 潘崇根 (705)

JOURNAL OF THE CHINESE CERAMIC SOCIETY

Guisuanyan Xuebao

(Inorganic and Non-metallic Materials)

Total No. 314

<http://www.gxyb.cbpt.cnki.net>

May, 2015

Vol. 43, No. 5, Monthly

CONTENTS

- Water Vapor Sorption Isotherm of Cement-based Porous Materials ZHANG Dongdong, PANG Xiaoyun, LI Kefei (545)
- Static Thermo-Mechanical Properties and Fitting Model of Cement and Asphalt Mortar
..... FU Qiang, XIE Youjun, LONG Guangcheng, SONG Hao, YIN Shuiping (555)
- Quantitative Analysis on Reaction Degree of Slag-Cement Composite System Based on Back-Scattered-Electron Image
..... ZHANG Qianqian, WEI Ya (563)
- Synthesis of Polycarboxylate with Different Comb Structures and It's Influence on Properties of Fresh Cement Pastes
..... XIANG Shuncheng, SHI Caijun, WU Linmei, CHONG Lingling (570)
- Effect of Fast-Firing on Dehydrated Phase Composition and Cementitious Property of Phosphogypsum
..... LI Fengling, QIAN Jueshi, NI Xiaoqin, ZHANG Chao, LIN Zhou (579)
- Relations Between Pore Structure and Creep Characteristics of Concrete Under Micro-expanding and Lateral restraints
..... ZHANG Rongling, WANG Qicai, MA Lina (585)
- Preparation of Macromer for Maleimide-Structural Polycarboxylate Based Superplasticizer
..... LI Jixin, WANG Haiyue, JIANG Feng, LI Zhidan (594)
- Effect of Pore Solution Freezing on Thermal Strain of Water-Saturated Cement Based Material at Low Temperature by Differential
Scanning Calorimetry..... ZHANG Nan, ZHANG Tao, LIAO Juan, HUO Liang, LIN Xiqiang, LI Guoyou, JI Wenzhan (599)
- Performance of Engineered Cementitious Composites After Treated at Sub-high Temperatures
..... LIN Jianhui, YU Jiangtao, Victor C LI (604)
- Microstructure of Hardened Complex Binder Pastes Blended with Slag (English)
..... LIU Rengguang, DING Shidong, YAN Peiyu (610)
- Development of Concrete Surface Defects and Cracks Repair Technology Based on Microbial-Induced Mineralization (Review)
..... QIAN Chunxiang, REN Lifu, LUO Mian (619)
- Review on Micromechanical Design, Performance and Development Tendency of Engineered Cementitious Composite (Review)
..... CAO Mingli, XU Ling, ZHANG Cong (632)
- Preparation and Properties of $\text{Eu}:(\text{Y}_{0.9}\text{La}_{0.1})_2\text{O}_3$ Transparent Ceramics for White Light Emitting Diode
..... LIU Qiang, SUN Kun, LI jiang, YUAN Yong, LIU Jing, LIN Li, PAN Yubai, GUO Jingkun (643)
- Properties of Supported-Anode Ni-YSZ for Planar Solid Oxide Fuel Cell Prepared by Different Reduction Processes
..... WANG Feng, MIAO Fuxing, GUAN Wanbing (650)
- Development of Gas Generation in $\text{Li}_4\text{Ti}_5\text{O}_{12}$ -based Stationary Batteries (Review)
..... XU Shuyin, LIU Yanyan, GAO Fei, YANG Kai, WANG Suijun, HU Yongsheng (657)
- Controlled Synthesis of Nano SnO_2 and its Effects on Electrochemical Performance of $\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2$ Cathode Material
..... SUN Yanguang, WU Ruiying, LUO Zhimei, LIU Huiyong (665)
- New Reagent System for Bromination Built with $\text{Zn}/\text{Al}-\text{BrO}_3^-$ -LDHs as Carrier
..... WANG Ligeng, ZHENG Feixiang, JIANG Chenxing, NI Zheming (672)

Adsorption Property of $\text{MnO}_x/\text{CoFe}_2\text{O}_4$ Nanorods for Methylene Blue

..... *LIU Jianhong, JIA Zhigang, LI Shengbiao, QIN Qi, YANG Lulu, ZHU Rongsun* (678)

Synthesis and Characterization of Y-Type Zeolite Cores and a Nano- β Zeolite Polycrystalline Shell Composites

..... *PAN Meng, WANG Guangshuai, ZHENG Jiajun, BAO Jiehua, LI Biao, LI Rui Feng* (685)

Preparation of Fibri-Form Silica via Extraction of Metal Oxide by Mix-roasting from Chrysotile Fibers

..... *SONG Pengcheng, PENG Tongjiang, SUN Hongjuan, YU Yucao* (692)

Solidification/Immobilization of Calcium Arsenate Waste Using Phosphorous Slag Based Geopolymers

..... *LUO Zhongqiu, ZHOU Xintao, JIA Qingming, ZHOU Yuankang, LIU Shouqing, ZHANG Zhaoshu* (699)

Effect of Methyl Triethoxysilane on Properties and Structure of Porous Silicate Antireflective Coatings (English)

..... *HUANG Yuping, WU Chunchun, YANG Hui, QUE Yongsheng, PAN Chonggen* (705)

Journal of the Chinese Ceramic Society (English Edition)

Call for paper

The Journal of the Chinese Ceramic Society (English Edition) is a premier archival journal devoted to publishing top quality original research that advances the fundamental and applied science of ceramic materials. Today's ceramic science is an interdisciplinary field that has expanded beyond its traditional core to areas as diverse as electronics and energy materials, and bio- and nano-technology. Published quarterly, the journal aims to provide a continuous forum for the dissemination of peer-reviewed international research into the preparation, properties, and applications of ceramic materials, as well as systematic studies of processes, structures, properties and function of materials by experimental, computational and theoretical tools that are critical to the development of new and improved materials beyond ceramics.

How to submit a manuscript

Manuscripts should be submitted by E-mail to jccs_en@vip.163.com in PDF or doc format, but the accepted manuscripts must be doc format. Figures contained in the manuscripts should be clear, easy to read, and of the best possible quality, and could be colorful. The details of an article, including structure and specific information on figures, tables, and references, are given in <http://www.materiomics.net>.

Academic Consultants

Li-quan CHEN

Editors-in-Chief

Ce-wen NAN, Jing-feng LI

Editorial Office of Journal of the Chinese Ceramic Society

Editors: Rui-ping YU, Li-zhong ZHOU

Website <http://www.materiomics.net>

E-mail: jccs_en@vip.163.com

Tel: +86 10 57811253

Fax: +86 10 57811252

Add: No.11 Sanlihe Road, Haidian District, Beijing 100831, P.R.China

定价: 50 元

国外代号 BM57

2015 年 5 月出版

国内代号 2-695

ISSN 0454-5648



9 770454 564151