









1957 年创刊

# 硅 酸 盐 学 报

总 352 期

### Guisuanyan Xuebao

(无机非金属材料) http://www.gxyb.cbpt.cnki.net

## 第46卷 第7期 2018年7月,月刊

### 目 次

纳米类水滑石对硫铝酸盐水泥熟料水化硬化规律的影	响								
	…李海艳,	刘小星	,司鹤洋	,韦则	巾, 5	张丙文,	张旭阳,	管学茂	(887)
干湿循环作用下水泥乳化沥青砂浆质量变化与体积稳	定性								
				··周锡迅	令, i	谢友均,	郑克仁,	傅 强	(895)
二氧化硅颗粒表面硅烷化对其润湿性能的影响			…王 刚	王克列	亳, ì	逯春晶,	黄传鑫,	王影	(905)
铽镓石榴石陶瓷制备及热光性能(英文)									
张学建,刘卉昇,	朱红光,	王 凤	,葛晨娇	,李永洧	寿,亨	胀冠豪,	赵天润,	刘景和	(910)
沉淀剂对 CuCr <sub>2</sub> O <sub>4</sub> 黑色颜料性能的影响······						白明敏,	洪毓鸿,	汪永清	(915)
热解法制备不同形貌碱式碳酸镁									
常春璇,丁 珂,	孙晓君,	李会杰	黄娜娜	, 仇 ラ	龙,青	<b>高恩军,</b>	刘云义,	李 雪	(922)
温度不均匀引起 KDP 晶体开裂的实验与模拟		·黄萍萍	. 王端良	,李伟多	东,为	刘 慧,	刘光霞,	王圣来	(929)
大长径比三水碳酸镁晶须的制备及晶体生长机理			…王余莲	,印万是	忠,引	胀夏翔,	唐宏欣,	戴绍书	(938)
Co-C 共掺金红石相 TiO <sub>2</sub> 光学性质的第一性原理研究					2	李 鑫,	冯宥霖,	谢泉	(946)
未掺杂 CeO <sub>2</sub> 室温铁磁性起源 · · · · · · · · · · · · · · · · · · ·							·王雷妮,	卫 宁	(952)
不同溶剂中 TSB 晶体的生长与形貌分析	…王淑君,	常新安	,陈学安	,肖卫引	强,有	任继齐,	赵 亮,	张明荣	(957)
快速退火对磁控溅射制备 Bi/Te 多层膜热电性能的影响	句								
		·张建新	, 马 楷	,杨庆新	新,≧	李海林,	韩变华,	薛 亮	(964)
上电极对镧镍共掺铁酸铋薄膜电学性质的影响							·彭增伟,	刘保亭	(972)

反应磁控溅射氧化钨电致变色薄膜结构与性能		…代 强	,刘 静	, 汪 洪(	(978)
水基流延成型制备 LED 用 YAG:Ce 荧光陶瓷薄膜及其性能 ······			…赵前程	,江国健(	(987)
CeO <sub>2</sub> 形貌对 Pt 基阳极催化剂性能的影响····································	, 郭乐乐	,张捷宇	,周国治	,安胜利(	(994)
蛭石-Fe <sub>2</sub> O <sub>3</sub> /MnO <sub>2</sub> 非均相 Fenton 催化剂降解水中罗丹明 B 染料					
王 炫, 陈俊涛,	张 谦,	张 蒙,	段光相,	陈 林(	1003
基于不同溅射方法制备铜锌锡硫薄膜及太阳电池 徐 信,	蒋 志,	李志山,	陆熠磊,	王书荣(	1011
白色荧光粉 $Ba_2B_2O_5$ : $Ce^{3+}$ , $Mn^{2+}$ 的发光性能及能量传递(英文)					
	王 聪,	李盼来,	王志军,	杨志平(	1021
铕离子掺杂碱土金属铝硼硅荧光玻璃的制备与发光性能 夏李斌,	肖青辉,	姜 毅,	杨雪莉,	游维雄(1	1026
玻璃配合料预热技术的理论与模拟分析	倪昂昂.	陈淑勇.	杨 杨.	王友乐 (	1034

## JOURNAL OF THE CHINESE CERAMIC SOCIETY

### Guisuanyan Xuebao

(Inorganic and Non-metallic Materials) http://www.gxyb.cbpt.cnki.net

July, 2018

# Vol. 46, No. 7, Monthly

#### **CONTENTS**

Effect of Nano-Layered Double Hydroxides on Hydration and Hardening of Calcium Sulphoaluminate Cement Clinker
LI Haiyan, LIU Xiaoxing, SI Heyang, WEI Shuai, ZHANG Bingwen, ZHANG Xuyang, GUAN Xuemao (88
Mass Change and Volume Stability of Cement Emulsified Asphalt Mortar in Wetting-drying Cycles
ZHOU Xiling, XIE Youjun, ZHENG Keren, FU Qiang (89)
Effect of Surface Silanization on Wettability of Silica Particles
Preparation and Thermal and Optical Properties of Terbium Gallium Garnet Ceramics (English)
ZHANG Xuejian, LIU Huisheng, ZHU Hongguang, WANG Feng, GE Chenjiao,
LI Yongtao, ZHANG Guanhao, ZHAO Tianrun, LIU Jinghe (91
Effect of Precipitant on Performance of CuCr <sub>2</sub> O <sub>4</sub> Black Pigment ····································
Preparation of Basic Magnesium Carbonate with Different Morphologies by Pyrolysis Method
CHANG Ruixuan, DING Ke, SUN Xiaojun, LI Huijie, HUANG Nana, QIU Long, GAO Enjun, LIU Yunyi, LI Xue (92:
Crack of KDP Crystals Caused by Temperature-nonuniformity
HUANG Pingping, WANG Duanliang, LI Weidong, LIU Hui, LIU Guangxia, WANG Shenglai (92
Preparation and Growth Mechanism of Nesquehonite Whiskers with Large Aspect Ratio
First-Principles Study on Optical Properties of Co-, C- and Co/C-doped Rutile TiO <sub>2</sub> LI Xin, FENG Youlin, XIE Quan (94)
Origin of Magnetism in Undoped CeO <sub>2</sub>
Growth and Morphology of Trans-stilbene Crystals in Different Solvents
Effect of Rapid Thermal Annealing on Thermoelectric Properties of Bi/Te Multilayer Films Deposited by Magnetron Sputtering
ZHANG Jianxin, MA Kai, YANG Qingxin, LI Hailin, HAN Bianhua, XUE Liang (96
Effect of Top Electrode on Electric Properties of La and Ni Co-doped BiFeO <sub>3</sub> Thin FilmsPENG Zengwei, LIU Baoting (97)
Structure and Properties of Tungsten Oxide Electrochromic Films Prepared by Reactive Magnetron Sputtered Method
DAI Qiang, LIU Jing, WANG Hong (97
Preparation and Properties of YAG:Ce Luminescent Ceramic Films Used in LED by Aqueous Tape Casting Method
ZHAO Qiancheng, JIANG Guojian (98

Total No. 352

Influence of CeO <sub>2</sub> Morphology on Properties of Pt-Based Anode Catalysts
GUO Ruihua, GUO Lele, ZHANG Jieyu, ZHOU Guozhi, AN Shengli(994)
$Vermiculite-Fe_2O_3/MnO_2 \ as \ a \ Heterogeneous \ Fenton \ Catalyst \ for \ Degrading \ Rhodamine \ B \ Dye \ in \ Wastewater$
Fabrication of Cu <sub>2</sub> ZnSnS <sub>4</sub> Films and Cells Based on Different Sputtering Methods
XU Xin, JIANG Zhi, LI Zhishan, LU Yilei, WANG Shurong (1011)
Luminescent Property and Energy Transfer of White Emitting Phosphor Ba <sub>2</sub> B <sub>2</sub> O <sub>5</sub> :Ce <sup>3+</sup> , Mn <sup>2+</sup> (English)
GAO Shaojie, WANG Zhipeng, ZHOU Lingyu, LI Mengli, YOU Mei,
Preparation and Luminescent Properties of Europium-doped Alkaline Earth Aluminum Borosilicate Fluorescent Glass
·······XIA Libin, XIAO Qinghui, JIANG Yi, YANG Xueli, YOU Weixiong (1026)
Theoretical and Simulated Study of Glass Batch Preheating
TAO Tianxun, NI Jingjing, CHEN Shuyong, YANG Yang, WANG Youle (1034)