









1957 年创刊

硅 酸 盐 学 报

总 355 期

Guisuanyan Xuebao

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

第46卷 第10期 2018年10月,月刊

目 次

Er ³⁺ 掺杂碲酸盐微晶玻璃光纤的中红外荧光特性	董国平,	邱建荣	(1321)
印制电子用新型无颗粒型氧化锌墨水的制备与表征李晓东,	陈应刚,	杜亚能	(1327)
沉积温度对 Na _{0.5} Bi _{0.5} TiO ₃ 铁电薄膜结构与性能的影响			
宋建民,杨 帆,代秀红,梁杰通,高 洁,	赵 磊,	刘保亭	(1335)
铁钇掺杂 TiO_2 纳米棒薄膜的制备和光学行为····································	顾永军,	李新利	(1340)
反应溅射制备 Ni _x O _y 薄膜的形貌与成分分析及其电致变色性能			
·····································	王天齐,	李 刚	(1347)
聚羧酸减水剂对水泥浆黏弹性能的影响 张力冉,苗 霞,孔祥明,张艳荣,	邢 锋,	董必钦	(1355)
冻结井高强混凝土损伤演化与渗透性关系	荣传新,	林 键	(1366)
碱处理工艺对 HZSM-5 分子筛孔结构及其噻吩烷基化反应能力的影响			
	张晓欣,	王 迪	(1373)
非金属纳米材料表面等离子体共振的研究进展(综合评述)·····	任 鹏,	杨修春	(1383)
提高钙钛矿结构锂离子导体晶界电导率的研究进展(英文,综合评述)吕晓娟,杨东昱,	黄 珊,	韩云凤	(1394)
ZnO/SnS_2 复合物的 NO_2 气敏性能 ························赵晓华,苏 帅,魏 崇,王晓兵,李彩珠,	郝 燕,	娄向东	(1401)
纳米 TiO、对蒙脱石/环氢树脂复合材料结构与性能的影响 ······		李 議	(1408)

羟基磷灰石/膨润土复合材料对水中 Cd ²⁺ 吸附研究	刘	国,	徐丽	莎,	李知	可,	黄琴	琴,	谢珍雯,	许小	芳	(1414)
气凝胶材料及其应用(综合评述)·····	张	泽,	王晓	栋,	旲	宇,	邹文	兵,	吴学玲,	沈	军	(1426)
间接模板剂法合成介孔 SAPO-11 分子筛及其加氢异构化性能												
	吴海	琳,	孙	娜,	王海	彦,	旲晓	娜,	王钰佳,	杨占	i旭	(1447)
引入 Ce ³⁺ 作为敏化离子增强 Ca ₉ Al(PO ₄) ₇ :Sm ³⁺ 的发光强度(英文)											
刘海燕,李美凡,王智朋,尤 美,	曹冬	.雪,	周玲	玉,	王卓	光,	王	聪,	王志军,	李盼	来	(1453)
近紫外激发 NaGd(WO ₄) ₂ :Ln ³⁺ (Ln=Tb, Dy, Sm, Eu)荧光粉的微波	水热	合成	及发	光性	能							
	孙庆	琳,	刘	昌,	邓德	芮,	胡正	磊,	荆雪蒙,	厉き	謕鹏	(1458)
氧化锆瓷珠对麦羟硅钠石结晶的影响			戈明	亮,	曹罗	香,	杜明	艺,	王雁武,	梁国	栋	(1469)
蛋白土的硫酸铵煅烧-水洗除杂增白效果与机理	刘阳	钰,	李铭	哲,	潘永	泰,	郑水	林,	孙志明,	贾宠	宗伟	(1475)
铁和钛在山东昌乐深蓝色蓝宝石中的致色作用			韩孝	朕,	郭守	国,	康	燕,	李永生,	冯锡	湯淇	(1483)
温压条件下蒙脱石水化的分子动力学模拟	张亚	云,	陈	勉,	邓	亚,	金	衍,	卢运虎,	夏	阳	(1489)

JOURNAL OF THE CHINESE CERAMIC SOCIETY

Guisuanyan Xuebao

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

October, 2018

Vol. 46, No. 10, Monthly

CONTENTS

Er ³⁺ -doped Tellurite Glass Ceramic Fiber with Enhanced Mid-infrared Emission
Fabrication and Characterization of Particle-free Zinc Oxide Ink for Printed Electronic Application
Effect of Deposition Temperature on Structural and Properties of Na _{0.5} Bi _{0.5} TiO ₃ Ferroelectric Thin Films
SONG Jianmin, YANG Fan, DAI Xiuhong, LIANG Jietong, GAO Jie, ZHAO Lie, LIU Baoting (133:
Synthesis and Optical Behavior of Fe and Y Doped TiO ₂ Nanorods Films
HUANG Jinliang, XUE Danlin, NING Xiangmei, LI Lihua, GU Yongjun, LI Xinli (134
Morphology, Constituents and Electrochromic Performance of Ni _x O _y Thin Films Derived by Reaction Sputtering Method
PENG Shou, TANG Yongkang, JIN Liangmao, MA Liyun, GAN Zhiping, JIN Kewu, WANG Tianqi, LI Gang (134
Effects of Polycarboxylate Superplasticizers on Viscoelastic Properties of Cement Pastes
ZHANG Liran, MIAO Xia, KONG Xiangming, ZHANG Yanrong, XING Feng, DONG Biqin (135.
Relation between Damage Evolution and Permeability of High-strength Concrete of Freezing Shaft Lining
ZHANG Nan, CHENG Hua, RONG Chuanxin, LIN Jian (136
Preparation and Thiophene Alkylation Performance of Hierarchical Pores HZSM-5 Catalyst
CHEN Wenwen, XIANG Xuewen, LIU Dongmei, WANG Haiyan, ZHANG Xiaoxin, WANG Di (137)
Research Progress on Surface Plasmon Resonance of Nonmetallic Nanomaterials (Review)
A Review on Attempts to Improve Grain-Boundary Conductivity in Perovskite Lithium Ion Conductors (English, Review)
LU Xiaojuan, YANG Dongyu, HUANG Shan, HAN Yunfeng (139

Total No. 355

NO ₂ Gas-sensitive Properties of ZnO/SnS ₂ Composites
ZHAO Xiaohua, SU Shuai, WEI Chong, WANG Xiaobing, LI Caizhu, HAO Yan, LOU Xiangdong (1404
Effect of Nano-sized Titanium Dioxide on Structure and Performance of Epoxy/Organo-montmorillonite Nano-composite
LI Xi (1408
Adsorption of Cadmium on Hydroxyapatite/Bentonite Composites in Aqueous Solution
LIU Guo, XU Lisha, LI Zhike, HUANG Qinqin, XIE Zhenwen, XU Xiaofang (1414
Aerogels and Their Applications – A Short Review (Review)
ZHANG Ze, WANG Xiaodong, WU Yu, ZOU Wenbing, WU Xueling, SHEN Jun(1426
Synthesis of Mesoporous SAPO-11 Molecular Sieves by Indirect Template Method and Its Hydroisomerization Properties
Enhanced Luminescence Intensity of Ca ₉ Al(PO ₄) ₇ :Sm ³⁺ by Introducing Ce ³⁺ as Sensitizer (English)
LIU Haiyan, LI Meifan, WANG Zhipeng, YOU Mei, CAO Dongxue, ZHOU Lingyu, WANG Zhuoguang,
$Microwave-hydrothermal\ Synthesis\ and\ Luminescent\ Properties\ of\ NaGd(WO_4)_2: Ln^{3+}(Ln=Tb,\ Dy,\ Sm,\ Eu)\ Phosphors\ Excited\ by\ n-UV$
ZHAI Yongqing, SUN Qinglin, LIU Chang, DENG Derui, HU Zhenglei, JING Xuemeng, LI Zhipeng (1458
Influence of Zirconia Ceramic Beads on the Crystallization of Magadiite
GE Mingliang, CAO Luoxiang, DU Mingyi, WANG Yanwu, LIANG Guodong (1469
Whitening Effect and Mechanism of Opoka by Ammonium Sulfate Calcining and Rinsing to Remove Impurity
LIU Yangyu, LI Mingzhe, PAN Yongtai, ZHENG Shuilin, SUN Zhiming, JIA Hongwei (1475
Colorizing Role of Iron and Titanium in Dark Blue Sapphire from Changle, Shandong
Molecular Dynamics Simulation of Temperature and Pressure Effects on Hydration Characteristics of Montmorillonites
·······ZHANG Yayun CHEN Mian DENG Ya JIN Yan LU Yunhu XIA Yang (1489