









1957 年创刊

硅 酸 盐 学 报

总 356 期

Guisuanyan Xuebao

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

第46卷 第11期 2018年11月,月刊

目 次

"功能玻璃"专题(特约编辑:浙江大学邱建荣教授)

结构弛豫对 Al ³⁺ /Yb ³⁺ 共掺石英玻璃结构和性能的影响								
郭梦婷,邵冲云	,王	璠,	任进军,	于看	季雷,	王世凯,	胡丽丽	(1499)
Yb ³⁺ /Ho ³⁺ /Tm ³⁺ 三掺杂 ZnO 微晶玻璃中的上转换白光(英文) ····································			· 刘天华,	郭	壮,	叶 松,	王德平	(1507)
柔性光纤束酸溶玻璃的组成及酸溶机理 李佳隆	,刘矛	秀玲,	秦鼎然,	王	鑫,	郭艳艳,	张军杰	(1513)
不同熔制气氛对低熔点锡氟磷酸盐玻璃的光谱性能和结构的影响								
	王3	亚杰,	岳 玉,	严剂	西洒,	张丽艳,	陈丹平	(1519)
渐变型折射率钇铝硅酸盐玻璃光纤的制备	张晔	华明,	丁新琪,	肖》	相杰,	钟玖平,	邱建荣	(1524)
CdSe 量子点掺杂硼硅酸盐玻璃的光学性能 ······						许周速,	程 成	(1529)
利用悬浮熔炼法制备含氮铝酸盐玻璃				· 徐	诚,	刘小峰,	邱建荣	(1535)
氟氧化物玻璃陶瓷不同配位环境下 Cr3+的荧光温度传感特性								
王长建,Abhishek Wadhwa	,陈明	尧桐,	徐秀瑕,	任	锴,	乔旭升,	樊先平	(1543)
用于高功率白光发光二极管的 YAGG: Ce ³⁺ /MMG: Mn ⁴⁺ 荧光玻璃陶瓷的	り结构	与性	能					
	胡	桃,	林 航,	高	妍,	张力强,	王元生	(1551)
分子动力学模拟预测氧化钠含量对二元钠硅酸盐玻璃弹性模量的影响								
	. 衵	群.	齐 亮,	胡ź	ì杰.	孙雪坤,	陈 阳	(1558)

研究论文

陶瓷抛光渣对水泥基材料碱集料反应的影响魏丽丽	j, 胡明玉,	郑 江,	陈露璐,	付 超	(1568)
电场改善微生物水泥胶结砂均匀性			邵光辉,	黄容聘	(1575)
蒸汽养护过程中混凝土力学性能的演变	… 贺炯煌,	马昆林,	龙广成,	谢友均	(1584)
钢纤维砂浆纳米压痕微观断裂性能表征	… 冯 莹,	彭 宇,	徐世烺,	曾 强	(1593)
碱激发高钛矿渣轻集料的性能及应用(英文)	…李 军,	罗 健,	卢忠远,	侯 莉	(1603)
热带岛礁环境下全珊瑚海水混凝土结构服役寿命的可靠性 达 波	7,余红发,	麻海燕,	吴彰钰,	窦雪梅	(1613)
X 射线 CT 技术在矿渣-水泥复合体系水化度量化中的应用	… 吴泽弘,	魏亚,	杨 敏,	姚晓飞	(1622)
Sm 掺杂 TiO_2 降解苯胺黑药性能·······祝思频,王春英	, 位振亚,	陈志勇,	武翠婷,	罗仙平	(1632)
废选择性催化还原脱硝催化剂中金属钨和钒的萃取分离及回收					
李智虎,丁万丽	j,李小海,	贾 勇,	顾明言,	陈 光	(1639)
锂离子电池硅氧化物负极材料的研究进展(综合评述) 吴永康	, 傅儒生,	刘兆平,	夏永高,	邵光杰	(1645)

JOURNAL OF THE CHINESE CERAMIC SOCIETY

Guisuanyan Xuebao

(Inorganic and Non-metallic Materials)
Total No. 356 http://www.gxyb.cbpt.cnki.net

November, 2018

Vol. 46, No. 11, Monthly

CONTENTS

Special Issue on Functional Glasses (Guest Editor, Professor QIU Jianrong, Zhejiang University)

Effect of Structure Relaxation on Structure and Properties of Yb ³⁺ /Al ³⁺ -Codoped Silica Glasses
GUO Mengting, SHAO Chongyun, WANG Fan, REN Jinjun, YU Chunlei, WANG Shikai, HU Lili (1499
Upconversion White Light Generation in Yb ³⁺ /Ho ³⁺ /Tm ³⁺ Tri-doped Glass-ceramics Containing Zinic Oxide Nanocrystals (English)
LIU Tianhua, GUO Zhuang, YE Song, WANG Deping (1507
Composition and Acid Dissolving Mechanism of Acidic Glass in Flexible Fiber Bundles
LI Jialong, LIU Xiuling, QIN Dingran, WANG Xin, GUO Yanyan, ZHANG Junjie (1513
Effect of Melting Atmospheres on Spectral Properties and Structures of Low-melting-point Tin fluorophosphate Glass
Preparation of Yttrium Aluminum Silicate Fiber with Gradient Refractive Index Distribution
ZHANG Yeming, DING Xinqi, XIAO Xiangjie, ZHONG Jiuping, QIU Jianrong (1524
Optical Properties of CdSe Quantum Dot-Doped Borosilicate Glass ···································
Aluminate Glasses Containing Nitrogen Fabricated By Containerless Processing
Fluorescence Temperature Sensing Performance of Cr ³⁺ with Different Coordination Environments in Oxyfluoride Glass-Ceramics
Microstructure and Luminescent Properties of YAGG: Ce ³⁺ /MMG: Mn ⁴⁺ Embedded Glass Ceramics for High-Power White
Light Emitting Diode Application ····································
Prediction of Oxide Concentration Influence on Elastic Modulus of Sodium-Silicate Glasses by Molecular Dynamics Simulation
······ZHAO Qian, ZU Qun, QI Liang, HU Yongjie, SUN Xuekun, CHEN Yang (1558

Research Articles

Effect of Ceramic Polishing Powder on Alkali-Aggrega	ate Reaction of Cement-based Materials
Electrokinetic Effect on Homogeneity Improvement of	Cemented Sand by Biogrouting
	······ SHAO Guanghui, HUANG Rongpin (1575)
Mechanical Properties Evolution of Concrete in Steam-	-Curing Process
Micro Fracture Characterization of Steel Fiber Reinford	ced Mortar by Nanoindentation
	······FENG Ying, PENG Yu, XU Shilang, ZENG Qiang (1593)
Properties and Application of Lightweight Aggregates	Based on Alkali-Activated Ground Granulated Blast Furnace
Titanium Slag (English)·····	LI Jun, LUO Jian, LU Zhongyuan, HOU Li (1603)
Reliability of Service Life of Coral Aggregate Seawate	er Concrete Structure in Tropic Island Reef Environment
Microstructure and Degree of Hydration of Slag Blendo	ed Cement Paste Based on X-ray Micro CT Scanning
Degradation Activity for Aniline Aerofloat of Sm-dope	d TiO ₂ Photocatalysts
·····ZHU Sipin, WANC	G Chunying, WEI Zhenya, CHEN Zhiyong, WU Cuiting, LUO Xianping (1632)
Extraction and Recovery of Tungsten and Vanadium fro	om Waste Selective Catalytic Reduction Catalysts
LI	Zhihu, Ding Wanli, Li Xiaohai, JIA Yong, GU Mingyan, CHEN Guang (1639)
Development of Silicon Suboxide Anodes for Lithium-	ion Batteries (Review)
WU	Yongkang, FU Rusheng, LIU Zhaoping, SHAO Guangjie, XIA Yonggao (1645)