1957 年创刊

硅 酸 盐 学 报

总 376 期

Guisuanyan Xuebao

(无机非金属材料)

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

第48卷 第7期 2020年7月,月刊

目 次

新型电池专题(特邀编辑:北京科技大学范丽珍教授)

基于复合固体聚合物电解质的固态钠电池····	…张强强	,苏 醒	,陆雅翔,胡勇胜(939)
镁离子电池关键材料研究进展(综合评述)		…刘凡凡	,王田甜,范丽珍(947)
镁硫二次电池研究进展(综合评述)·····肖建生	上,赵宇星	,范海燕	,原 华,张跃钢(963)
动力学激活的转换型镁金属电池(综合评述)	…刘文龙	,黄可贤	, 周学俊, 李驰麟 (978)
锌离子二次电池的研究进展(综合评述)		…刘佳昊	,何平鸽,范丽珍(990)
锌金属可充电电池研究现状及展望(综合评述) 陈加航	,李婷婷,	Ahmad N	AVEED, 王久林(1003)
钾离子电池电极材料研究进展(综合评述) 王振,韩坤,徐丽	,刘双宇,	李 慧,	李 平,曲选辉(1013)
钾离子电池无机正极材料的研究进展(综合评述)	张香华,	骆 微,	芮先宏,余 彦(1025)
水系铝离子电池的研究进展与挑战(综合评述)	··徐鹏帅,	郭兴明,	白 莹, 吴 川(1034)
非水系铝离子电池硫族及其化合物正极材料研究进展(综合评述) 王怀志	,张 昊,	胡正强,	赵忠晨, 李洪森(1045)
研究论文			
原位生成醋酸锂改性金属锂负极及其稳定性	·· 陈昱锜,	赵 强,	冯玉川, 何泓材 (1055)
纳米氮化硼/氧化石墨烯/聚氨酯基复合材料的制备及其导热和力学性能		乔友健,	潘志东,王燕民(1062)
高分子辅助沉积法制备钨掺杂的二氧化钒薄膜	·· 罗盛鲜,	高 敏,	陈思宏, 林 媛(1074)
二硫化钼基电极材料空间限域法制备研究进展(综合评述) 陶 锴	,徐一锋,	刘继宁,	高 濂,宋雪峰(1081)
Ho^{3+} 掺杂 $\mathrm{Na_{0.25}K_{0.25}Bi_{2.5}Nb_2O_9}$ 陶瓷的结构、电学和上转换发光性能			
	,陈超,	黄枭坤,	江兴安, 胡 浩(1090)
lpha-Fe ₂ O ₃ 改性空心玻璃微球/ZnIn ₂ S ₄ 复合催化剂的制备及增强型光催化性能			
	,王雷磊,	王 磊,	王旭东,赵德强(1097)
砂率与浆骨比对大流动性混凝土新拌性能的影响 黎梦圆,刘 宇	,韩建国,	高玉亭,	张慧杰,阎培渝(1107)
R ₂ O-CaO-SiO ₂ -Al ₂ O ₃ -F 系微晶玻璃析晶动力学 赵庆朝,杨 航	, 曹建尉,	李伟光,	申士富,刘海营(1114)
水热法制备分子筛/硅藻土复合材料及其吸附性能 戴时雨	,张林,	齐鹏远,	王 岭,马伟民(1122)
模板剂组成对 SAPO-34 分子筛结构和甲醇制烯烃性能的影响 王钰佳	,李 璐,	白英芝,	魏 民,王海彦(1128)
铁系结晶釉的可控制备与装饰效果	·· 李 玫,	李伟东,	鲁晓珂,徐嫦松(1134)

JOURNAL OF THE CHINESE CERAMIC SOCIETY

Guisuanyan Xuebao

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

July, 2020

Vol. 48, No. 7, Monthly

CONTENTS

······ZHANG Qiangqiang, SU Xing, LU Yaxiang, HU Yongsheng (939)
Recent Development on Key Materials for Rechargeable Magnesium Batteries (Review)	
LIU Fanfan, WANG Tiantian, FAN Lizhen (947)
Research Progress on Rechargeable Magnesium/Sulfur Battery (Review)	
······· XIAO Jianhua, ZHAO Yuxing, FAN Haiyan, YUAN Hua, ZHANG Yuegang	963)
Kinetics Activated Magnesium Metal Batteries Based on Conversion Reaction (Review)	
LIU Wenlong, HUANG Kexian, ZHOU Xuejun, LI Chilin (978)
Research Progress on Zinc-ion Batteries (Review)	990)
Recent Development on Rechargeable Zinc Metal Batteries (Review)	
	003)
Electrode Materials for Potassium-ion Batteries—A Short Review (Review)	
	013)
Research Progress of Inorganic Cathode Materials for Potassium-ion Batteries (Review)	
ZHANG Xianghua, LUO Wei, RUI Xianhong, YU Yan (1	025)
Research Progress and Challenges of Aqueous Aluminum Ion Batteries (Review)	
XU Pengshuai, GUO Xingming, BAI Ying, WU Chuan (1	034)
Development on Chalcogens and Their Compounds Cathode Materials for Non-Aqueous Aluminum Ion Batteries (Review)	
	045)
	0.157
Research Articles Lithium Metal Anode Modified by Lithium Acetate <i>In Situ</i> and Its Cycling Stability	
	055)
Preparation of Hexagonal Boron Nitride/Graphene Oxide/Polyurethane-based Nanocomposite and Its Thermal Conductivity and	0337
Mechanical Property	062)
Preparation of Tungsten-doped Vanadium Dioxide Films by Polymer-assisted Deposition Method	002)
	074)
Research Progress on Space-Confined Synthesis of Molybdenum Disulfide (Review)	0/4/
TAO Kai, XU Yifeng, LIU Jining, GAO Lian, SONG Xuefeng (1	081)
Effect of Ho ³⁺ Doping on Structural, Electrical and Up-Conversion Luminescence Properties of Na _{0.25} K _{0.25} Bi _{2.5} Nb ₂ O ₉ Ceramics	001)
	000)
	.090)
Preparation and Enhanced Photocatalytic Performance of α-Fe ₂ O ₃ Modified Hollow Glass Microspheres/ZnIn ₂ S ₄ Composite Photocatalyst ····································	007)
Influences of Sand Ratio and Paste Aggregate Ratio on Fresh Properties of High-Fluidity Concrete	.097)
	107)
LI Mengyuan, LIU Yu, HAN Jianguo, GAO Yuting, ZHANG Huijie, YAN Peiyu (1	.10/)
Crystallization Kinetics of R ₂ O-CaO-Al ₂ O ₃ -SiO ₂ -F Glass-Ceramics	1111
ZHAO Qingchao, YANG Hang, CAO Jianwei, LI Weiguang, SHEN Shifu, LIU Haiying (1	.114)
Preparation of Molecular Sieve and Diatomite Composite by Hydrothermal Method and Its Adsorption Performance	100
DAI Shiyu, ZHANG Lin, QI Pengyuan, WANG Ling, MA Weimin (1	.122)
Effect of Template Composition on Structure and Methanol to Olefins Catalytic Performance of SAPO-3 4 Molecular Sieve	400
	.128)
Controllable Preparation and Decorative Effect of Iron-based Crystalline Glazes LI Mei, LI Weidong, LU Xiaoke, XU Changsong (1)	
	121)

Total No. 376