

Ei 核心期刊, Scopus, CA, SA, P 收录期刊, 中国国际影响力优秀学术期刊

1957 年创刊

硅 酸 盐 学 报

总 412 期

Guisuanyan Xuebao

(无机非金属材料)

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

第 51 卷 第 7 期 2023 年 7 月, 月刊

目 次

研究论文

- 聚羧酸减水剂的酸醚比对水化硅酸钙晶种早强作用的影响……………雷凤珍, 雷 蕾, 康阳阳, 史才军 (1649)
- 灌注式复合路面中的水泥浆-沥青界面粘附行为的作用机制……………王敬元, 洪锦祥, 张 宇, 熊子佳, 张云升 (1660)
- 阳离子无序 $\text{Li}_3\text{V}_2\text{O}_5$ 纳米棒正极材料的制备与充放电循环稳定性调控
……………王 璨, 曹世丞, 李阿飞, 胡成志, 王国贤, 刘治保, 陈 凯, 王长平, 陈章贤 (1670)
- 以废旧锂离子电池正极材料还原产物为原料熔盐合成钴酸锂循环利用
……………闫 旭, 李继东, 李 振, 王晓民 (1680)
- 硅/还原氧化石墨烯纳米复合材料的制备及储锂性能……………王 鸣, 曾永浩, 何 跃, 方鹏飞, 王晓亮, 沈 丁 (1689)
- W 掺杂改性的 V_2O_5 纳米片球作为高性能水系锌离子电池正极材料……………李彪阳, 高 林, 张露露, 杨学林 (1697)
- ZnSe/CoSe/SnSe@NC 纳米立方体制备及其储钾性能……………孙 浩, 刘晓静, 颜 波, 杨学林 (1707)
- $\text{FeSe}_2/\text{Ti}_3\text{C}_2\text{T}_x$ 复合材料的制备及其钠存储性能……………张文雪, 郭俊虎, 张永康, 白 敏, 何 成 (1716)
- 模板法合成磷化铁空心纳米棒及其电化学性质……………肖 巍, 蒋青林, 杨欣雨, 梁 果, 鲜小彬, 张艳华 (1724)
- 碳纳米管穿插 ZIF-67 衍生的镍钴锰硒化物及其电化学性能……………郑佳红, 白 昕 (1733)

W⁶⁺掺杂调控微结构增强 LiNi_{0.9}Co_{0.1}O₂ 高镍正极材料的循环稳定性

..... 李阿飞, 胡成志, 王 璨, 曹世丞, 唐伟建, 刘治保, 陈 凯, 王长平, 陈章贤 (1746)

Li₇La₃Zr₂O₁₂-聚氧化乙烯/聚偏氟乙烯固态复合电解质的制备及全固态电池性能

..... 易永利, 于 冉, 戴哲仁, 金 翼 (1756)

低温固体氧化物燃料电池层级骨架阴极的制备与性能

..... 韦 斐, 王乐莹, 罗凌虹, 张双双, 程 亮, 徐 序, 杨 琳 (1763)

钙离子掺杂层状双钙钛矿作为固体氧化燃料电池阴极的性能..... 金芳军, 凌意瀚 (1773)

含盐硫酸溶液对金云母蛭石化过程的影响及作用机制..... 黄少坤, 罗利明, 孙红娟, 彭同江, 陈仕泽 (1783)

NaClO 改性多孔高铁粉煤灰脱除 SO₂ 性能 李泳佳, 郑仙荣, 田广元, 郝晓峰, 王玉莹 (1792)

等离子喷涂-化学气相沉积制备 α/β -Bi₂O₃ 薄膜的相结构调控和光催化降解性能

..... 王振宇, 刘燕才, 陈 琨, 乔江浩, 李晓伟 (1800)

辐射传热对二氧化硅气凝胶复合材料隔热性能的影响..... 郭建业, 陈智武, 苏力军, 李文静 (1811)

亚稳态纳米晶氧化锆片状粉体的制备及冷烧结..... 张贺新, 丁 奇, 范宇驰, 江 莞 (1819)

基于芳香环磺酸盐的制绒添加剂设计及其单晶硅表面织构化

..... 田海莹, 蔡 媛, 贾蕊琪, 王 婕, 冯萍萍, 张鹏伟, 樊国栋, 殷 政 (1827)

综合评述

氧空位增强金属氧化物的超级电容器储能性能

..... 蒋 超, 张晓华, 卢帅丞, 张葳藤, 王 杰, 闫晓燕, 赵新新, 刘宝胜 (1835)

生物质在光催化体系中的应用研究进展..... 孙 娟, 张 斌, 于 晴, 陈文鑫, 刘 洁 (1847)

晶体成核新进展: 经典与非经典成核在同一体系共存..... 贾彩云, 张海军 (1858)

g-C₃N₄ 纳米片的剥离制备方法研究进展 董 伟, 常启明, 王文博, 杨绍斌 (1868)

JOURNAL OF THE CHINESE CERAMIC SOCIETY

Guisuanyan Xuebao

(Inorganic and Non-metallic Materials)

Total No. 412

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

July, 2023

Vol. 51, No. 7, Monthly

CONTENTS

Research Articles

- Impact of Acid Ether Ratio of Polycarboxylate Ether on Early Strength Enhancement of Calcium Silicate Hydrate Seed
..... LEI Fengzhen, LEI Lei, KANG Yangyang, SHI Caijun (1649)
- Interfacial Adhesion Mechanism of Cement Grout Asphalt Composite Material
..... WANG Jingyuan, HONG Jinxiang, ZHANG Yu, XIONG Zijia, ZHANG Yunsheng (1660)
- Preparation of Cation-Disordered $\text{Li}_3\text{V}_2\text{O}_5$ Nanorod Cathode Materials and Improvement of Their Electrochemical Stability
..... WANG Can, CAO Shicheng, LI Afei, HU Chengzhi, WANG Guoxian, LIU Zhibao, CHEN Kai, WANG Changping,
..... CHEN Zhangxian (1670)
- Performance of Recycled Lithium Cobalt Oxide Synthesized with Molten Salt of Cathode Material Reduction Product of Waste
Lithium Battery
..... YAN Xu, LI Jidong, LI Zhen, WANG Xiaomin (1680)
- Preparation and Lithium Storage Properties of Silicon/Reduced Graphene Oxide Nanocomposites
..... WANG Ming, ZENG Yonghao, HE Yue, FANG Pengfei, WANG Xiaoliang, SHEN Ding (1689)
- W Doped V_2O_5 Nanosheets as Cathode Material for High-Performance Aqueous Zinc Ion Battery
..... LI Biaoyang, GAO Lin, ZHANG Lulu, YANG Xuelin (1697)
- Preparation and Potassium Storage of $\text{ZnSe}/\text{CoSe}/\text{SnSe}@\text{NC}$ Nanocubes
..... SUN Hao, LIU Xiaojing, YAN Bo, YANG Xuelin (1707)
- Preparation of $\text{FeSe}_2/\text{Ti}_3\text{C}_2\text{T}_x$ Composites with Sodium Storage Properties
..... ZHANG Wenxue, GUO Junhu, ZHANG Yongkang, BAI Min, HE Cheng (1716)
- Template-Assisted Synthesis of Iron Phosphide Hollow Nanorods and Its Electrochemical Properties
..... XIAO Wei, JIANG Qinglin, YANG Xinyu, LIANG Guo, XIAN Xiaobin, ZHANG Yanhua (1724)
- Carbon Nanotubes Interspersed with ZIF-67-Derived Nickel–Cobalt–Manganese–Selenides and Their Electrochemical Properties
..... ZHENG Jiahong, BAI Xin (1733)

- Microstructure Regulation Through W Doping to Boost Cycling Stability of $\text{LiNi}_{0.9}\text{Co}_{0.1}\text{O}_2$ Ni-Rich Cathode Materials
 *LI Afei, HU Chengzhi, WANG Can, CAO Shicheng, TANG Weijian, LIU Zhibao, CHEN Kai, WANG Changping,*
 *CHEN Zhangxian* (1746)
- Preparation of $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ -Polyethylene Oxide/Polyethylene Partial Fluoride Solid Composite Polymer Electrolyte and Performance of All Solid State Batteries
 *YI Yongli, YU Ran, DAI Zheren, JIN Yi* (1756)
- Preparation and Performance of Hierarchical Scaffold Cathode for Low-Temperature Solid Oxide Fuel Cells
 *WEI Fei, WANG Leying, LUO Linghong, ZHANG Shuangshuang, CHENG Liang, XU Xu, YANG Lin* (1763)
- Performance of Calcium Doping in Layered Double Perovskite as Cathode Material for Solid Oxide Fuel Cells
 *JIN Fangjun, LING Yihan* (1773)
- Influence of Saline Sulfuric Acid Treatment on Vermiculite Process and Its Mechanism
 *HUANG Shaokun, LUO Liming, SUN Hongjuan, PENG Tongjiang, CHEN Shize* (1783)
- SO_2 Removal Performance of Porous High-Content Iron Fly Ash Modified by NaClO
 *LI Yongjia, ZHENG Xianrong, TIAN Guangyuan, HAO Xiaofeng, WANG Yuying* (1792)
- Phase Structure Regulation and Photocatalytic Degradation Properties of $\alpha/\beta\text{-Bi}_2\text{O}_3$ Films Prepared by Plasma Spraying-Chemical Vapor Deposition
 *WANG Zhenyu, LIU Yancai, CHEN Kun, QIAO Jianghao, LI Xiaowei* (1800)
- Effect of Thermal Radiation on Thermal Insulation Performance of Silica Aerogel Composites
 *GUO Jianye, CHEN Zhiwu, SU Lijun, LI Wenjing* (1811)
- Preparation and Cold Sintering Properties of Metastable Nanocrystalline Zirconia Flake Powders
 *ZHANG Hexin, DING Qi, FAN Yuchi, JIANG Wan* (1819)
- Design of Chemical Additives with Polyphenyl Sulfonate Derivatives for Surface Texturing on Monocrystalline Silicon
 *TIAN Haiying, CAI Yuan, JIA Ruiqi, WANG Jie, FENG Pingping, ZHANG Pengwei, FAN Guodong, YIN Zheng* (1827)

Review

- Electrochemical Performance of Oxygen Vacancies Enhanced Transition Metal Oxides in Supercapacitor
 .. *JIANG Chao, ZHANG Xiaohua, LU Shuaicheng, ZHANG Weiteng, WANG Jie, YAN Xiaoyan, ZHAO Xinxin, LIU Baosheng* (1835)
- Research Progress on Application of Biomass in Photocatalytic Systems
 *SUN Juan, ZHANG Bin, YU Qing, CHEN Wenxin, LIU Jie* (1847)
- Progress on Studies of Crystal Nucleation: Coexistence of Classical and Non-Classical Nucleation in Common System
 *JIA Caiyun, ZHANG Haijun* (1858)
- Research Progress in Preparing Methods of $\text{g-C}_3\text{N}_4$ Nanosheets by Exfoliation
 *DONG Wei, CHANG Qiming, WANG Wenbo, YANG Shaobin* (1868)