

## TABLE OF CONTENTS

## 目 录

溴掺杂对非铅铋基钙钛矿太阳能电池性能的增强作用

**Bromine Doing for Performance Enhancement of Lead-Free  
Bismuth-Based Perovskite Solar Cells**

孙振兴, 王星辰, 汪慧, K. P. Homewood, 高云, 雷丙龙.....697

碳纤维复合材料微波加热固化的工艺及装备发展

**The Development of Technologies and Equipment for the  
Microwave Curing of Carbon Fiber Composites**

陈楷华, 尹少华, 郭胜惠.....705

仿生超疏水表面应用及展望研究

**Application and Prospect of Bionic Superhydrophobic Surface**

王雷, 余锦, 赵爽, 何建国, 李文月.....713

二氧化锆掺杂硅酸盐陶瓷增韧断裂韧性研究

**Study on Fracture Toughness of Zirconia-Enhanced Ceramics**

田雪, 张万明.....728

八苯基笼型倍半硅氧烷/聚酰亚胺低介电材料的制备和性能研究

**Preparation and Properties of OPPOSS/Polyimide Materials  
with Low Dielectric Constants**

贺国文, 杨泛明, 马德崇, 吴丹, 张劲.....737

碲化镉太阳电池弱光性能研究

**Study on the Weak-Light Performance of Cadmium Telluride Solar Cells**

朱树盛, 李阳.....744

固硫灰渣泡沫混凝土制备与性能研究

**Preparation and Properties Study of Foamed Concrete with CFBC Ash/Slag**

王路, 杨赞中, 山传龙.....750

Mn<sub>3</sub>O<sub>4</sub> 锰源中杂质铁对 LiMn<sub>2</sub>O<sub>4</sub> 正极材料电性能的影响研究

**Study on the Influence of Impurity Iron in Mn<sub>3</sub>O<sub>4</sub> Manganese Source  
on the Electrical Properties of LiMn<sub>2</sub>O<sub>4</sub> Positive Electrode Material**

刘华东, 邹兴.....759

燃料电池 Fe/N/C 氧还原催化剂近十年研究进展

**Research Progress of Fe/N/C Oxygen Reduction Reaction Catalyst  
for Fuel Cell in Past Decade**

谢敏, 晁自胜.....766

**一种具有超疏水性能车身贴膜**

**Design and Analyses of a Vehicle Body Film with Super-Hydrophobic Properties**

魏婷婷, 程道来, 纪林章, 吕海明, 何正明.....786

**改善 200 mm 晶圆边缘加工产能的工艺研究**

**Process Research to Improve the Edge Processing Capacity of 200 mm Wafers**

安瑞阳, 蔡丽艳, 苏冰, 郑宇, 李军营, 郑捷.....794