

TABLE OF CONTENTS

目 录

核壳结构 Cu_{2-x}Se@PDA 纳米粒子的合成及肿瘤光热治疗应用研究
Synthesis of Core-Shell Nanostructured Cu_{2-x}Se@PDA Nanoparticles
and Application for Photothermal Therapy of Tumor

殷吴杰, 庄家仪, 秦茜茹, 杨佳文, 景丹妮, 陈娇, 汪洋 89

基于主客体作用的超分子聚肽纳米药物构建及其性能研究
Construction and Property Research of Supramolecular Polypeptide
Nanomedicine Based on Host-Guest Interactions

丁月, 马宇轩, 朱吕明, 姚勇 97

碱性大电流电解水析氧催化剂的研究进展
Research Progress of Oxygen Evolution Catalyst for Alkaline Electrolysis
of Water with High Current

郭彭辉, 周熠辉, 张淋, 王艳青 105

一步固相合成铈钴固溶体低温催化氧化甲苯
One-Step Solid-Phase Synthesis of Ce-Co Solid Solution for Low-Temperature
Catalytic Oxidation of Toluene

刘毓炜, 周兵, 刘敬印, 刘立忠 115

具有零场单分子磁体性质的钴单离子磁体
Cobalt-Based SIMs with Zero Field Single-Molecule Magnetic Properties

徐红娟, 崔会会 124

液相法制备 BiVO₄ 微纳米材料研究进展
Recent Advances in the Preparation of BiVO₄ Micro/Nanomaterials by
Liquid Phase Method

顾森, 徐红娟, 尤梦, 林晓岚, 沈幸月, 卞豪, 孙同明 137

液相法制备 BiOX (X = F, Cl, Br)微纳米材料研究进展
Recent Advances in the Preparation of BiOX (X = F, Cl, Br) Micro/Nanomaterials
by Liquid Phase Method

徐红娟, 卞豪, 崔莹, 丁妍, 黄清, 王森 145

类石墨相氮化碳的制备与改性研究进展
Research Progress on Preparation and Modification of
Graphitic Carbon Nitride

上官天天, 阮德强, 徐天兵, 宋志健, 王嘉琳, 刘柯柯, 刘世凯 157

磷掺杂的 NiMoO₄ 纳米带的制备及其电催化析氢性能研究

**Research on Preparation of Phosphorus-Doped NiMoO₄ Nanoribbon
and Its Electrocatalytic Hydrogen Evolution Performance**

张宇霖, 秦天, 杜妍妍, 杨贝贝, 葛存旺, 宾端, 陆洪彬.....165

空气/水稳定的锂金属负极研究进展

Research Progress on Producing Air/Water Stabilized Lithium Metal Anode

沈晓魏, 郝保玖, 王震康, 钱涛, 刘杰.....176

氨基酸辅助制备无机纳米材料研究进展

Recent Advances in Amino Acid-Assisted Synthesis of Inorganic Nanomaterials

徐红娟, 徐珂欣, 王丹琪, 陈雨婷, 卞豪, 孙同明.....185

直接甲醇燃料电池阳极 Pt 基催化剂研究进展

Research Progress on Anode Pt-Based Catalysts for Direct Methanol Fuel Cells

张爱创, 徐文静, 刘媛, 李晗, 杨虎, 朱鹏, 袁小磊.....192

固态锂电池安全性研究进展

Research Progress on Safety of Solid-State Lithium Metal Batteries

沈晓魏, 王震康, 刘杰, 钱涛.....210