

中国材料进展

3
2013



MATERIALS CHINA

CN 61 — 1473/TG
ISSN 1674 — 3962

阻燃材料专栏



ISSN 1674-3962

03 >

9 771674 396089

中国材料研究学会 主办
化学工业出版社 出版

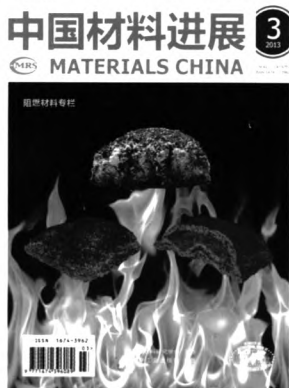


中国材料进展

ZHONGGUO CAILIAO JINZHAN

第32卷总第375期 2013年第3期 (月刊)

目次



阻燃材料专栏

- Flame Retardant Design for the Future
..... Alexander B Morgan (129)
- Applications of Intumescence for Reaction and Resistance to Fire of Materials
..... Serge Bourbigot (137)
- DOPO-Based Flame Retardants: Synthesis and Flame Retardant Efficiency in Polymers
..... Christoph Klinkowski, Lin Zang, Manfred Döring (144)
- Efficiency of Different Classes of Flame Retardants for Epoxy Resins Designed for Coating Applications
..... Thirumal Mariappan, Charles A Wilkie (159)

综合评述

- 超细金属间化合物颗粒增强Mg-Li基复合材料研究进展
..... 吴国清, 张清清, 黄正 (172)

研究报告

- 晶粒度对LY12铝合金应力腐蚀断裂行为的影响
..... 孙忠志, 王瑞阳, 于美, 李松梅, 王宗武, 刘建华 (179)
- 添加剂对PPBES中空纤维超滤膜结构和性能的影响
..... 张守海, 王雨田, 杨大令, 蹇锡高 (185)

重点实验室介绍

- 环保型高分子材料国家地方联合工程实验室 (190)

综合报道

- 浙大造出世界最轻固体材料 (136)
- 我国在分子铁电晶体领域取得重要阶段性研究进展 (184)

期刊基本参数: CN61-1473/TG*1982*M*A4*64*ZH*P* ¥ 20.00*5000*08*2013-03

万方数据

主管单位: 西北有色金属研究院
主办单位: 中国材料研究学会
西北有色金属研究院
协办单位: 中国工程院化工、冶金与材料工程学部

编辑: 《中国材料进展》杂志社
地址: 陕西省西安市未央路96号
邮编: 710016
网址: <http://www.mat-china.com>

主编: 周廉
副主编: 刘建章(常务) 韩雅芳
社长: 杜明焕
副社长: 贾豫冬 闫果
编辑部主任: 王方
编辑: 刘新梅 刘春芳 赵文轸 朱宏康
电话: 029-86226599
E-mail: rml@c-nin.com
editor@mat-china.com

北京编辑部主任: 翁端 张增志
编辑: 陆辛 窦臻 党宁 杨琨 杜红梅
电话: 010-58768037
E-mail: materialschina@163.com

广告发行部: 高虹
网站管理: 赵刚
电话: 029-86226599
传真: 029-86282362

出版: 化学工业出版社
印刷: 西安创维印务有限公司

国内发行: 陕西省邮政报刊发行局
邮发代号: 52-281
国外发行: 中国国际图书贸易总公司
发行代号: M2980
国内统一刊号: CN 61-1473/TG
国际标准刊号: ISSN 1674-3962
广告经营许可证: 6100004000126

国内定价: 20元/册
国际定价: 120美元/年





**INTERNATIONAL
UNION OF MATERIALS
RESEARCH SOCIETIES**

President

B.V.R. Chowdari
National University of Singapore, Singapore

Past President

Howard Katz
Johns Hopkins University, USA

First Vice President

Osamu Takai
Nagoya University, Japan

Second Vice President

Abdelilah Slaoui
Laboratoire InESS-CNRS, France

Secretary

Feng Qiang
University of Sci. and Tec. Beijing, China

Treasurer

Han Yafang
Chinese Materials Research Society, China

General Secretary

R.P.H. Chang
Northwestern University, USA

IUMRS ADHERING BODIES

African Materials Research Society (African-MRS)

Materials Research Society of Argentina (MRS-A)

Materials Research Society of Australia (A-MRS)

Brazil Materials Research Society (B-MRS)

Chinese Material Research Society (C-MRS)

European Materials Research Society (E-MRS)

Materials Research Society (MRS)

Materials Research Society of India (MRS-I)

Materials Research Society of Japan (MRS-J)

Materials Research Society of Korea (MRS-Korea)

Materials Research Society of Mexico (MRS-Mexico)

Materials Research Society of Russia (MRS-R)

Materials Research Society of Singapore (MRS-S)

Materials Research Society of Taiwan (MRS-T)

Edited by The Editorial Board of Materials China

Address: No.96, Weiyang Road, Xi'an City,
Shaanxi 710016, P.R. China

Website: <http://www.mat-china.com>

Editor-in-Chief: Zhou Lian

Editorial Office:

Telephone: 0086-29-86226599

E-mail: rml@c-nin.com

materialschina@163.com

editor@mat-china.com

Overseas Distributor:

China International Book Trading Corporation

Overseas Circulation Code: M2980

Overseas Annual Subscription Rate: USD120

(Price changes due to Sino-US exchange rate)

MATERIALS CHINA

Vol.32 No.3 Sum 375 March 2013 (Monthly)

Contents

Special Column for Flame Resistant Material

Flame Retardant Design for the Future

Alexander B Morgan (129)

Applications of Intumescence for Reaction and Resistance to Fire of Materials

Serge Bourbigot (137)

DOPO-Based Flame Retardants: Synthesis and Flame Retardant Efficiency in Polymers

Christoph Klinkowski, Lin Zang, Manfred Döring (144)

Efficiency of Different Classes of Flame Retardants for Epoxy

Resins Designed for Coating Applications

Thirumal Mariappan, Charles A Wilkie (159)

Comprehensive Reviews

Progress in the Research of Ultrafine Intermetallic Compound Particles

Reinforced Mg-Li Matrix Composites

WU Guoqing, ZHANG Qingqing, HUANG Zheng (172)

Research Report

Effect of Grain Size on Stress Corrosion Cracking Behavior of LY12 Alloy

SUN Zhongzhi, WANG Ruiyang, YU Mei, *et al* (179)

Effect of Additives on Structure and Performance of PPBES

Hollow Fiber Ultrafiltration Membranes

ZHANG Shouhai, WANG Yutian, YANG Daling, *et al* (185)

Introduction of State Key Laboratory

National Engineering Laboratory of Eco-Friendly Polymeric Materials (190)

Comprehensive Reports

The Lightest Solid Material in the World Made by Zhejiang University (136)

Important Progress Made in Molecular Ferroelectric Crystal Field in China (184)

Serial Parameters: CN61-1473/TC*1982*M*A4*64*ZH*P* ¥ 20.00*5000*08*2013-03