



新型炭材料

(Xinxing Tan Cailiao)

第25卷 第5期 2010年10月

中国科学院科学出版基金资助出版

目次

研究快报

分级结构沸石/泡沫炭整体复合材料的制备..... 肖南 凌铮 王六平 周颖 邱介山 (321)

椰子油制炭微管(英文)* S. Paul S. K. Samdarshi (325)

研究论文

飞机刹车用长寿命高摩擦特性炭/炭复合材料制备技术(英文)*
..... 苏君明 肖志超 刘勇琼 孟凡才 彭志刚 谷立民 李国峰 邢如鹏 (329)

定向碳纳米管/炭纳米复合材料形貌和显微结构.....
..... 李志 巩前明 王野 吴建军 梁吉 黄启忠 熊翔 黄伯云 (335)

CLVD快速致密C/C复合材料的高温热物理性能... 刘晓荣 金鸣林 张琢 杨俊和 欧阳春发 (343)

Ag-CNT/TiO₂复合电极对亚甲基蓝的光催化降解作用(英文)* 张峰君 陈明亮 吴沅春 (348)

气压和偏流对高掺硼金刚石晶体性质的影响(英文)*
..... 贾福超 白亦真 屈芳 孙剑 赵纪军 姜辛 (357)

纳米金增强掺磷四面体非晶碳膜的电化学活性 刘爱萍 朱嘉琦 韩杰才 (363)

柠檬酸盐为碳前驱体制备介孔炭及其在电化学电容器中的应用(英文)*
..... 周晋 袁勋 邢伟 司维江 嵇淑萍 (370)

模板法中孔炭及其双电层电容性能(英文)* 王艳素 王成扬 (376)

功能化洋葱状富勒烯在裸鼠体内的流动 张宏伟 王艳 王崇宇 张雪莹 郭俊杰 王晓敏 (382)

HClO₄-CrO₃-石墨层间化合物的制备及其性能..... 周明善 刘丽梅 李澄俊 陶勇 (389)

会议报道

碳科学技术的研究现状与发展趋势——记 Carbon 2010 国际碳会议 张强 (395)

《新型炭材料》投稿指南 (400)

* * * *

动态

● 如何写好中英文摘要 (342) ● 纳米植物炭黑 (362) ● 液相沉积炉、气相沉积炉、石墨化炉 (369)

● Carbon 2011 将在上海举行 (388) ● Aims and Scope of *New Carbon Materials* (394)

● 2008 年材料科学类期刊影响因子排序表 (399)

期刊基本参数: CN 14-1116/TQ * 1985 * q * A₄ * 80 * zh + en * P * ¥12.00 * 1000 * 13 * 2010-10

* 该文的英文网络版由 Elsevier B. V. 在 ScienceDirect 上出版, <http://www.sciencedirect.com/science/journal/18725805>

责任编辑: 陈玉琴

New Carbon Materials

Vol. 25 No. 5 Oct. 2010

Contents

Communications

- Preparation of zeolite/carbon foam monolithic composites with a hierarchical structure
..... XIAO Nan LING Zheng WANG Liu-ping ZHOU Ying QIU Jie-shan (321)
- Carbon microtubes produced from coconut oil* S. Paul S. K. Samdarshi (325)

Research articles

- Preparation and characterization of carbon/carbon aircraft brake materials with long service life and good frictional properties* SU Jun-ming XIAO Zhi-chao
LIU Yong-qiong MENG Fan-cai PENG Zhi-gang GU Li-min LI Guo-feng XING Ru-peng (329)
- Microstructure of the pyrocarbon in aligned carbon nanotube/carbon composites
..... LI Zhi GONG Qian-ming
WANG Ye WU Jian-jun LIANG Ji HUANG Qi-zhong XIONG Xiang HUANG Bai-yun (335)
- High temperature thermophysical properties of carbon/carbon composites prepared by chemical liquid-vapor deposition LIU Xiao-rong JIN Ming-lin ZHANG Zhuo YANG Jun-he OU YANG Chun-fa (343)
- Photoelectrocatalytic properties of Ag-CNT/TiO₂ composite electrodes for methylene blue degradation*
..... ZHANG Feng-jun CHEN Ming-liang OH Won-chun (348)
- The influence of gas pressure and bias current on the crystallinity of highly boron-doped diamond films*
..... JIA Fu-chao BAI Yi-zhen QU Fang SUN Jian ZHAO Ji-jun JIANG Xin (357)
- Gold nanocluster-enhanced electrochemical activity of a phosphorus-doped tetrahedral amorphous carbon film
..... LIU Ai-ping ZHU Jia-qi HAN Jie-cai (363)
- Mesoporous carbons derived from citrates for use in electrochemical capacitors*
..... ZHOU Jin YUAN Xun XING Wei SI Wei-jiang ZHUO Shu-ping (370)
- Templated mesoporous carbons and their performance for electric double layer capacitors*
..... WANG Yan-su WANG Cheng-yang (376)
- Fluidity of onion-like fullerenes in mice after a functionalization modification ZHANG Hong-wei
WANG Yan WANG Chong-yu ZHANG Xue-ying GUO Jun-jie WANG Xiao-min (382)
- Properties and preparation of an HClO₄-CrO₃-Graphite intercalation compound
..... ZHOU Ming-shan LIU Li-mei LI Cheng-jun TAO Yong (389)

Brief report

- The development and prospects of carbon science—A report on the annual world conference on carbon, Carbon'10 ZHANG Qiang (395)

Serial parameters: CN 14-1116/TQ * 1985 * q * A₄ * 80 * zh + en * P * ¥ 12.00 * 1000 * 13 * 2010-10

* The English electronic version of the article is published by Elsevier B. V. on ScienceDirect, <http://www.sciencedirect.com/science/journal/18725805>