

电子显微学报

第30卷 第1期 2011年

目 次

研究论文

- 状态激励轻敲模式原子力显微镜的设计与仿真 华宝成, 钱建强, 姚骏恩 (1)
铁电微管的制备与表征 刘敬松, 代波, 曹林洪, 霍冀川 (7)
氧化因素对 ZrB_2 -YAG 复相陶瓷表面微区影响的研究
..... 宋杰光, 纪岗昌, 李世斌, 李养良, 王芳, 李伟, 陈林燕, 张联盟 (12)
 $AZ63 + zCa (z = 0 \sim 2.5\%)$ 镁合金的组织与物相分析 张代东, 于学花, 梁晓婕, 张虎 (18)
电子探针在新疆库鲁克塔格兴地塔格群石榴石包裹体研究中的应用
..... 刘春花, 杨林, 尹京武, 蔡佳, 杨海涛, 邵兴坤, 徐海明, 王军 (24)
多种形貌纳米银的电化学制备及其表面增强拉曼光谱研究
..... 李德伟, 蔡微, 商广义, 朱传凤, 姚骏恩 (33)
H 原子在 Si(111)-7×7 表面吸附的 STM 研究 藏侃, 于迎辉, 秦志辉, 曹更玉 (39)
CNT-WO₃ 气敏材料的显微分析 陈环, 金文锐, 傅刚 (43)
隐失波荧光显微镜及其在植物细胞生物学中的应用 范路生, 薛铁群, 王晓华, 王钦丽, 林金星 (48)
古墓葬出土纺织纤维的微观形态结构分析 南普恒, 金普军 (57)
优化大鼠肺动脉平滑肌细胞骨架 F-actin 图像的激光共聚焦显微技术 郑易, 施孟如, 林全 (61)
牙体玻璃离子充填材料边缘微渗漏的激光扫描共聚焦显微镜与金相显微镜比较研究
..... 包广洁, 李子夏, 康宏 (65)

实验技术与方法

- 耳蜗透射电镜超薄切片样品的制备技术改进 张文丽, 付兴华, 李倩, 张再兴 (69)
提高电镜超薄切片染色效率的自制装置 贺子义, 胡冰, 史永红 (72)
综述
EPMA 在催化剂研究中的应用 于海斌, 李晓云, 孙彦民 (75)
磁共振力显微镜 曹更玉, 付号 (81)

封面插图选自 2010 年首届“中国电子显微摄影大赛”获奖作品

责任编辑 李宁春, 茅冬生

期刊基本参数:CN11-2295/TN * 1982 * b * A4 * 90 * zh * P * ¥35 * * 16 * 2011-02

JOURNAL OF CHINESE ELECTRON MICROSCOPY SOCIETY

Vol. 30 No. 1 2011

CONTENTS LIST

- Design and simulation of state-oscillated tapping mode atomic force microscope
..... *HUA Bao-cheng, QIAN Jian-qiang, YAO Jun-en* (1)
- Fabrication and characterization of ferroelectric micro-tubes
..... *LIU Jing-song, DAI Bo, CAO Lin-hong, HUO Ji-chuan* (7)
- Effect of oxidizing factor on the surface microdomain of ZrB₂-YAG multi-phase ceramics
..... *SONG Jie-guang, JI Gang-chang, LI Shi-bin, LI Yang-liang, WANG Fang, LI Wei, CHEN Lin-yan, ZHANG Lian-meng* (12)
- Analysis on microstructure and phase of AZ63 + xCa (x = 0 ~ 2.5%) magnesium alloy's
..... *ZHANG Dai-dong, YU Xue-hua, LIANG Xiao-jie, ZHANG Hu* (18)
- The inclusions of garnets from Xingditage group of Kuruktag, Xinjiang
..... *LIU Chun-hua, YANG Lin, YIN Jing-wu, CAI Jia, YANG Hai-tao, SHAO Xing-kun, XU Hai-ming, WANG Jun* (24)
- Electrochemical preparation and SERS study of silver nanostructures with multiple morphologies
..... *LI De-wei, CAI Wei, SHANG Guang-yi, ZHU Chuan-feng, YAO Jun-en* (33)
- STM study of H atom adsorption on Si(111)-7 × 7
..... *ZANG Kan, YU Ying-hui, QIN Zhi-hui, CAO Geng-yu* (39)
- Study on the microstructure of gas sensing material WO₃ doped with carbon nanotubes
..... *CHEN Huan, JIN Wen-rui, FU Gang* (43)
- Evanescent wave microscopy and its application in plant cell biology
..... *FAN Lu-sheng, XUE Yi-qun, WANG Xiao-hua, WANG Qin-li, LIN Jin-xing* (48)
- Microcosmic structure analysis of textile fibers excavated in ancient tombs
..... *NAN Pu-heng, JIN Pu-jun* (57)
- The optimization of the technique of laser confocal scanning microscope on the image of F-actin in rat
pulmonary arterial smooth muscle cells
..... *ZHENG Yi, SHI Meng-ru, LIN Quan* (61)
- A comparison study on the microleakage of glass-ionomer cements of teeth by confocal laser scanning
microscope and metallurgical microscope
..... *BAO Guang-jie, LI Zi-xia, KANG Hong* (65)
- Improvement of the TEM specimen-making of ultrathin section of cochlear
..... *ZHANG Wen-li, FU Xing-hua, LI Qian, ZHANG Zai-xing* (69)
- Self-made staining device for the improvement of the efficiency of electron microscope ultrathin section stain
..... *HE Zi-yi, HU Bing, SHI Yong-hong* (72)
- The application of EPMA in catalyst research
..... *YU Hai-bin, LI Xiao-yun, SUN Yan-min* (75)
- Magnetic resonance force microscope
..... *CAO Geng-yu, FU Hao* (81)