

电子显微学报

第38卷 第3期 2019年

目 次

[研究论文]

- 基于球差校正扫描透射电镜的快离子导体 β -Ag₂S中Ag占位表征 刘军,陈陆,王勇,张泽(209)
基于球差校正电镜在原子尺度探究氮化铝在蓝宝石衬底上的生长过程
窦志鹏,陈召龙,李宁,刘秉尧,张敬民,魏同波,刘志强,罗强,廖蕾,高鹏(215)
原位液体环境电镜观察银纳米线变纳米管过程 齐赫杨,庄春强(221)
计量电镜中纳米位移台控制方法研究 李雪,殷伯华,许广鹿,韩立,刘俊标(228)
高温后超高韧性水泥基复合材料的微观结构特征研究 彭宇,赵昕,徐世娘,李庆华(236)
超细矿渣和超细偏高岭土对砂浆抗盐侵蚀性能的影响 王学明,朱梦伟,袁俊,魏鹏(245)
含铀 Srilankite 的 EBSD 和 SAED 研究 魏小燕,周宁超,王立社,董会,汪双双(252)
三塘湖盆地芦草沟组页岩有机显微组分扫描电镜研究 焦淑静,张慧,薛东川(257)
镁离子/蔗糖体系中碳酸钙结晶的仿生合成初步研究 欧阳志远,杨磊,刘艳茹,陈进(264)

[高端显微仪器管理专栏]

- LSM 880 with Airyscan 激光扫描共聚焦显微镜高级功能和管理
林曼娜,向承林,李建军,徐江平,程玉芳(271)

[实验技术与方法]

- 基于全因子实验设计的离子抛光工艺研究 马晓丽,刘礼,王立强,李晓玲,曹力军(276)
碳黑颗粒致肺损伤透射电镜染色方法的探讨 朱艳,周晨明,闫静,张荣,孟丽(281)

[实验技术与方法(科普专栏)]

- 扫描电子显微镜在岩矿分析中的应用 甘玉雪,杨锋,吴杰,余勇(284)

[综述]

- 植物SPFH超家族蛋白及其生物学功能研究进展 曹阳阳,王猛,鲁良,李晔,林金星,李瑞丽(294)
聚焦离子束扫描电镜在石油地质研究中的综合应用 王晓琦,金旭,李建明,焦航,吴松涛,刘晓丹(303)

书评

- 显微外科护士素质培养与护理质量控制管理分析 陈岩,瞿方(i)
护理标识在体检护理管理中价值分析 李敦穹(ii)
脑血管意外患者显微夹闭术后心理康复的临床应用 熊伟,陶冶,董静,沈维高,王柳行(iii)
护理质量敏感指标在优质护理服务持续改进中的应用 陈丽勤,廖素英,王珂(iv)
我国心脏康复的困境与对策 吴小萍(v)

封面图选自 2018 年第九届“中国电子显微学摄影大赛”(优秀奖) 胡帅帅(280)

责任编辑 李宁春
校 对 许芬秀

JOURNAL OF CHINESE ELECTRON MICROSCOPY SOCIETY

Vol.38 No.3 2019

CONTENTS

[Research paper]

- Characterization of Ag site occupation in fast ionic conductor β -Ag₂S by spherical-aberration-corrected scanning transmission electron microscopy LIU Jun, CHEN Lu, WANG Yong, ZHANG Ze(209)
Investigation of AlN growth on sapphire substrate at atomic scale based on spherical aberration correction electron microscope DOU Zhi-peng, CHEN Zhao-long, LI Ning, LIU Bing-yao, ZHANG Jing-min, WEI Tong-bo, LIU Zhi-qiang, LUO Qiang, LIAO Lei, GAO Peng(215)
Evolution of Ag nanowire into Ag-Pt alloy nanotube observed by liquid cell transform electron microscopy QI He-yang, ZHUANG Chun-qiang(221)
Research on control method of nano-displacement table in metrology electron microscope LI Xue, YIN Bo-hua, XU Guang-lu, HAN Li, LIU Jun-biao(228)
Microstructure characteristics of ultra-high toughness cementitious composites after exposure to high temperature PENG Yu, ZHAO Xin, XU Shi-lang, LI Qing-hua(236)
The effects of ultra-fine ground granulated blast-furnace slag and ultra-fine metakaolin on salt erosion resistance of mortar WANG Xue-ming, ZHU Meng-wei, YUAN Jun, WEI Peng(245)
EBSD and SAED study of the uranium-bearing Srilankite WEI Xiao-yan, ZHOU Ning-chao, WANG Li-she, DONG Hui, WANG Shuang-shuang(252)
SEM study on organic macerals of shale in Lucaogou Formation Santanghu Basin JIAO Shu-jing, ZHANG Hui, XUE Dong-chuan(257)
A preliminary study on biomimetic synthesis of calcium carbonate crystals in magnesium ion/sucrose system OUYANG Zhi-yuan, YANG Lei, LIU Yan-ru, CHEN Jin(264)

[High-end microscopical instrument management]

- Advanced functions and management of laser scanning confocal microscopy LSM 880 with airy scan LIN Man-na, XIANG Cheng-lin, LI Jian-jun, XU Jiang-ping, CHENG Yu-fang(271)

[Experimental technology and method]

- Research on cross-section ion polishing process based on full factorial experiments design MA Xiao-li, LIU Li, WANG Li-qiang, LI Xiao-ling, CAO Li-jun(276)

- The exploration of transmission electron microscopy staining method for lung injury induced by inhalation of carbon black particles ZHU Yan, ZHOU Chen-ming, YAN Jing, ZHANG Rong, MENG Li(281)

[Experiment technology and method (Popularization of science column)]

- Application of scanning electron microscopy in rock-mineral analysis GAN Yu-xue, YANG Feng, WU Jie, YU Yong(284)

[Review]

- Recent advances on SPFH superfamily proteins and their biological functions in plants CAO Yang-yang, YU Meng, LU Liang, LI Ye, LIN Jin-xing, LI Rui-li(294)

- FIB-SEM applications in petroleum geology research WANG Xiao-qi, JIN Xu, LI Jian-ming, JIAO Hang, WU Song-tao, LIU Xiao-dan(303)

* Book review *

- On quality training and nursing quality control management of nurses in microsurgery CHEN Yan, ZHAI Fang(i)

- The value of nursing mark in physical examination nursing management LI Dun-qiong(ii)

- Clinical application of psychological rehabilitation in patients with cerebrovascular accident after microsurgery XIONG Wei, TAO Ye, DONG Jing, SHEN Wei-gao, WANG Liu-xing(iii)

- Application of sensitive indicators of nursing quality in the improvement of quality nursing service CHEN Li-qin, LIAO Su-ying, WANG Ke(iv)

- Predicament and countermeasure of heart rehabilitation in China WU Xiao-ping(v)