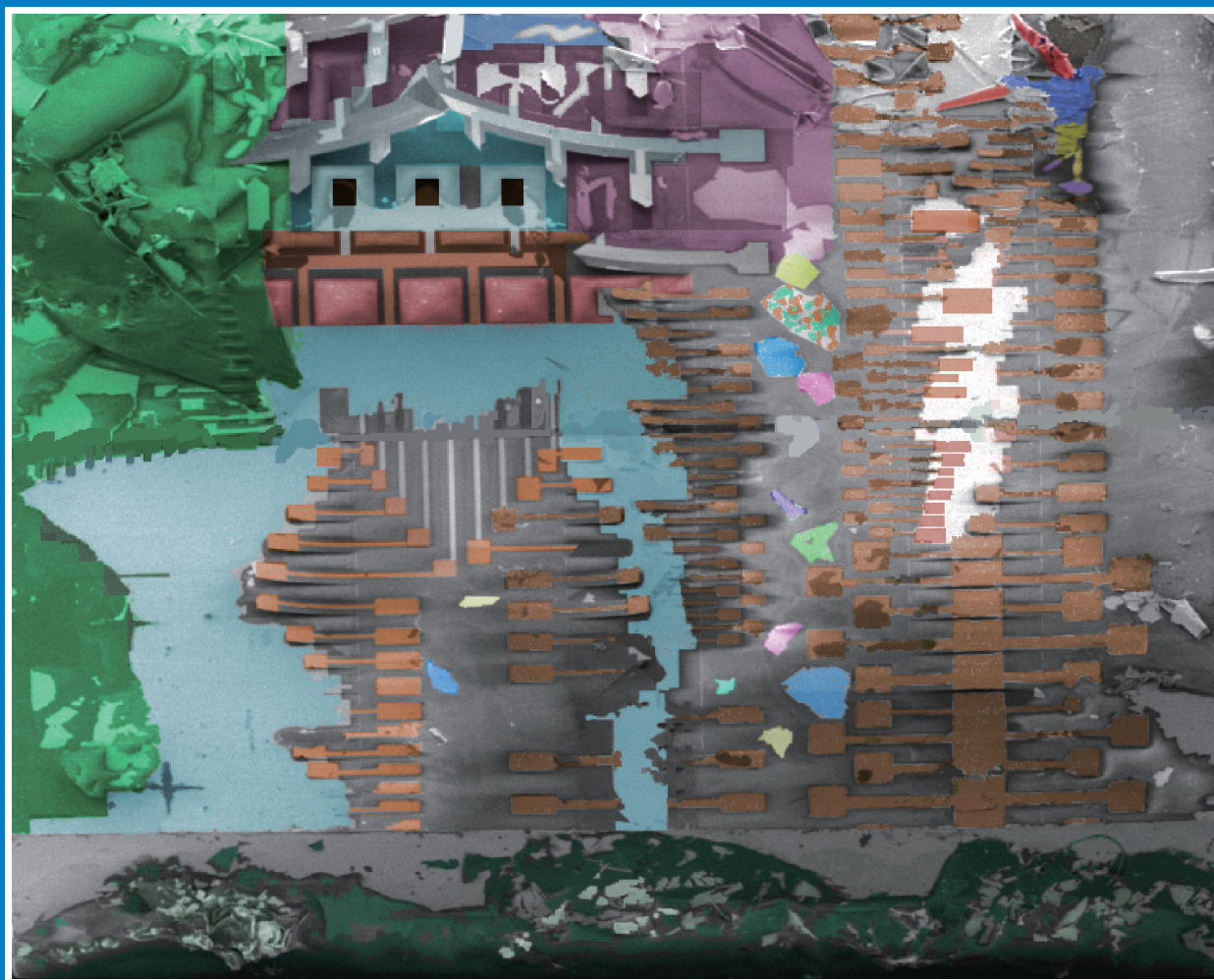


ISSN 1000-6281

电子显微学报

Journal of Chinese Electron Microscopy Society



第39卷 第1期
Vol.39 No.1
(总第207期)

2020

ISSN 1000-6281



0 2>

9 771000 628204

中国物理学会 主办

万方数据

电子显微学报

二〇二〇年

J. Chinese EM Soc. Vol. 39 No. 1

电 子 显 微 学 报

第 39 卷 第 1 期 2020 年

目 次

[研究论文]

无机双钙钛矿太阳能电池材料Cs₂AgBiBr₆在电子束辐照下的降解行为研究 冯远皓,柯小行,隋曼龄(1)

单晶介孔 PbTiO₃ 纳米线制备及电输运特性研究 翟阿敏,曹广,皇甫磊磊,王江伟,田鹤,张泽(9)

氧化石墨烯添加量对 Bi₂S₃/rGO 复合材料储锂性能的影响探究 刘婷婷,丁炜楠,田凯,倪敏,孔佳,赵丹青,张占恩,顾海东(13)

不同应变速率下 Fe-29Mn-3Al-3Si 钢的冲击性能及微观组织研究 刘元瑞,伍翠兰,谢盼,巩向鹏,沈书成(19)

双马来酰亚胺树脂体系的纳米力学性能 胡海霞,孟利民,陈欢欢,陈向阳,张瑾,汪胜陆(29)

元素线系选择对硬质合金刀具涂层与基体过渡层能谱谱线解析的影响 詹美燕,李春明,刘杰(35)

同步辐射荧光分区域面扫描的控制和图像拼接方法 兰旭颖,张继超,张丽丽,李爱国(40)

基于自适应 Gamma 校正的煤岩显微图像增强研究 蒋敏,奚峥皓(46)

脑胶质瘤太赫兹全息成像探索 张明智,何其华(53)

4 种稻田毒隐翅虫触角传感器的超微结构研究 张珊,武煊,余维,刘志萍(58)

[扫描电子显微镜在文物保护中应用]

扫描电镜在文物霉变病害分析中的应用 杨娟(65)

[实验技术与方法]

底栖甲藻-蛭甲藻属的扫描电镜样品制备方法 岑竞仪(71)

泡桐属植物花粉不同处理方法的扫描电镜观察 ... 李婷,邓绍勇,谷振军,陈宜均,丁伟,龚斌,李康琴(75)

不同固定方式对贴壁细胞形态和超微结构的影响 王旭,孔好,杨侃,王玲玲,张宾(79)

一种简便的植物单细胞显微操作分选方法 鄂一岚,何其邹洪,李瑞丽(86)

[综述]

共聚焦和超分辨率显微荧光图像的共定位分析浅谈 关苑君,容婵,梁翠莎,李娟,蓝秀健,吴珏珩(90)

* 书评 *

电镜在不同干燥方法对葛根有效成分影响试验中的运用 宋凯(i)

医学显微镜在社区空巢老人“医养结合”模式中的运用 金配杭,陈建超(ii)

基于单一椭圆铰链的光纤光栅加速度传感器分析 胡璞,易名农(iii)

显微镜在电动汽车机械加工中的运用 解文鹏(iv)

显微镜下建立人造血管内瘘在血液透析中优质护理效果 辛宏云(v)

显微手术治疗高血压基底节脑出血的护理风险管理 王紫薇,祁竞,刘晓(vi)

封面图选自 2019 年第十届“中国电子显微摄影大赛”(一等奖) 苻娇,任子君(34)

责任编辑 李宁春
校 对 许芬秀

JOURNAL OF CHINESE ELECTRON MICROSCOPY SOCIETY

Vol.39 No.1 2020

CONTENTS

[Research paper]

- Effect of electron irradiation on inorganic double perovskite solar cell material $\text{Cs}_2\text{AgBiBr}_6$ *FENG Yuan-hao, KE Xiao-xing, SUI Man-ling*(1)
- Preparation and electrical transport characteristics of single crystal mesoporous PbTiO_3 nanowires *ZHAI A-min, CAO Guang, HUANGFU Lei-lei, WANG Jiang-wei, TIAN He, ZHANG Ze*(9)
- Influences of GO content on properties of $\text{Bi}_2\text{S}_3/\text{rGO}$ anode for Li-ion batteries *LIU Ting-ting, DING Wei-nan, TIAN Kai, NI Min, KONG Jia, ZHAO Dan-qing, ZHANG Zhan-en, GU Hai-dong*(13)
- Microstructure and impact property of $\text{Fe}_{29}\text{Mn}_3\text{Al}_{13}\text{Si}$ steel at different strain rates *LIU Yuan-rui, WU Cui-lan, XIE Pan, GONG Xiang-peng, SHEN Shu-cheng*(19)
- Study on the nanomechanical properties of bismaleimide resin casting system *HU Hai-xia, MENG Li-min, CHEN Huan-huan, CHEN Xiang-yang, ZHANG Jin, WANG Sheng-lu*(29)
- Influence of different selection of spectral lines of tungsten on the analysis of EDS spectra of transition layer between coating and matrix metal of cemented carbide *ZHAN Mei-yan, LI Chun-ming, LIU Jie*(35)
- The control and image stitching method of synchronous radiation fluorescence sub-region surface scanning *LAN Xu-ying, ZHANG Ji-chao, ZHANG Li-li, LI Ai-guo*(40)
- The study of coal macerals enhancement based on adaptive Gamma correction *JIANG Min, XI Zheng-hao*(46)
- Study on terahertz holographic imaging of brain glioma *ZHANG Ming-zhi, HE Qi-hua*(53)
- Ultrastructure of antennal sensilla of four species of Paederinae (Coleoptera: Staphylinidae) in rice fields *ZHANG Shan, WU Xuan, YU Wei, LIU Zhi-ping*(58)

[Application of scanning electron microscope in the preservation of cultural relics]

- Mold identification and remediation of cultural relics based on scanning electron microscopy *YANG Juan*(65)

[Experiment technology and method]

- Preparation method of SEM sample suitable for benthic dinoflagellate—*Ostreopsis* *CEN Jing-yi*(71)
- SEM examination of *Paulownia* pollen with different treatments *LI Ting, DENG Shao-yong, GU Zhen-jun, CHEN Yi-jun, DING Wei, GONG Bin, LI Kang-qin*(75)
- Effects of different fixing methods on the morphology and ultrastructure of adherent cells *WANG Xu, KONG Yu, YANG Kan, WANG Ling-ling, ZHANG Bin*(79)
- A simple method of sorting plant single cell by micromanipulation *E Yi-lan, HE Qi-zou-hong, LI Rui-li*(86)

[Review]

- Colocalization analysis of confocal and super resolution microscopy fluorescence images *GUAN Yuan-jun, RONG Chan, LIANG Cui-sha, LI Juan, LAN Xiu-jian, WU Jue-heng*(90)

* Book review *

- The application of electron microscope in the experiment of the influence of different drying methods on the effective components of *Pueraria lobata* *SONG Kai*(i)
- The application of medical microscope in the mode of “combination of medical care and nursing” of empty nest elderly in community *JIN Pei-hang, CHEN Jian-chao*(ii)
- Analysis of fiber grating acceleration sensor based on single elliptical hinge *HU Pu, YI Ming-nong*(iii)
- The application of microscope in the machining of electric vehicle *XIE Wen-peng*(iv)
- High quality nursing effect of establishing artificial vascular internal fistula under microscope in hemodialysis *XIN Hong-yun*(v)
- Nursing risk management of microsurgery for hypertensive basal ganglia cerebral hemorrhage *WANG Zi-wei, QI Jing, LIU Xiao*(vi)