

ISSN 1000 - 3436

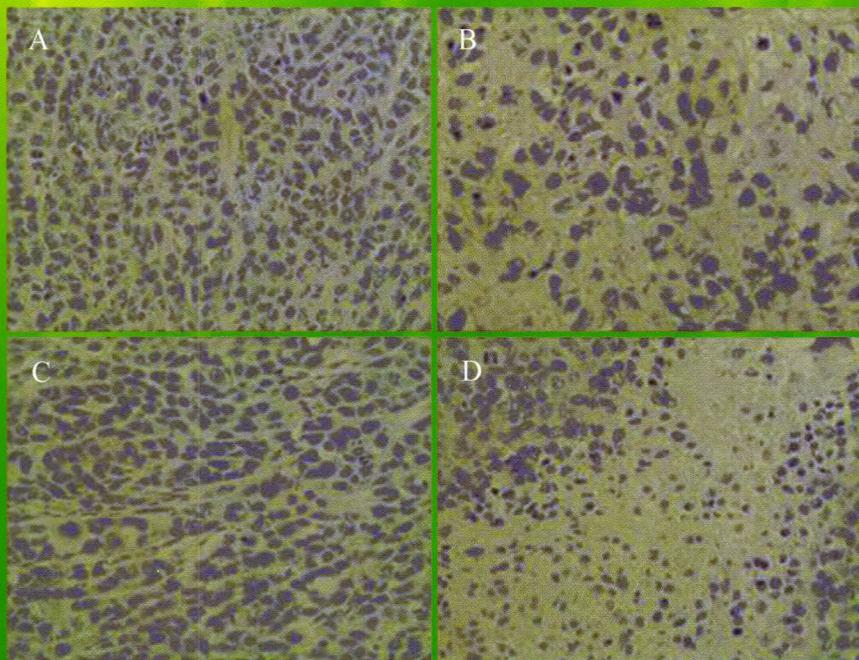
CN 31-1258 / TL

CODEN: FYYXEA

辐射研究与 辐射工艺学报

JOURNAL OF RADIATION RESEARCH
AND RADIATION PROCESSING

Vol.31 No.1 2013.2



Pathological changes of xenografts in control group(A), DHEA treatment group(B), radiation group(C), and DHEA with radiation treatment group(D)(P. 010201)

中国科学院上海应用物理研究所
科学出版社

Journal of Radiation Research and Radiation Processing

Vol.31 No.1

February 2013

Contents

REVIEW

Effects of miR-34a on ionizing radiation injuries LI Lei CHEN Qiu CUI Fengmei TU Yu (010101)

RADIATION BIOLOGY AND MEDICINE

The antitumor effect of DHEA combined with γ -rays on human esophageal transplanted carcinoma in nude mice DU Liqing MENG Aimin WANG Yueying WU Hongying ZHENG Heng *et al* (010201)

Effect of DCX and SPARC co-expression on the apoptosis of human glioma cells U-87MG induced by X-rays irradiation JIANG Xin XU Yuanyuan ZHANG Haowen YU Jiahua YANG Jicheng *et al* (010202)

Effects of artemisinin on the radio-sensitivity of U251 glioma cells JI Wenjun CHEN Liesong SONG Yunzhen WANG Yixuan ZHAO Jianghu *et al* (010203)

Study on biocompatibility and biodegradation of silk fibroin degraded by γ -rays *in vivo* JIN Huanyu DONG Chaofei LIU Xing LIU Yu WANG Dapeng *et al* (010204)

Effects of $^{12}\text{C}^{6+}$ ion beams irradiation on germination, plant growth and survival of wheat seeds LIU Qingfang YU Lixia DU Yan ZHOU Libin QU Ying *et al* (010205)

RADIATION CHEMISTRY

Preparation and studies on the properties of thioxanthone photo-initiator comprising of coinitiator amine WANG Baozong WEI Jun (010301)

Preparation and UV curing of phenyl cycloaliphatic epoxy-silicone oligomers LI Yongjie ZHANG Xianshun WANG Tao (010302)

Study on the stability of hydrocortisone injection under radiation environment GUAN Haiyan HU Daqiang OU Shunlong LU Laichun (010303)

UV irradiated copolymerization route for fabrication of epoxy-functionalized porous polymer and its applications for immobilization of horseradish peroxidase LI Li FENG Min BI Xiaodong ZHU Jiating (010304)

Elimination of dichloroacetic acid in deaerated aqueous solutions by ^{60}Co γ -rays irradiation LI Linna LIU Yuanxia BAO Huaying (010305)

ENVIRONMENTAL POLLUTION AND CONTROL

Response of peas to U and Cd combined stress and their accumulation characteristic ZHANG Yan WANG Dan LI Li (010401)

Studying the treatment effect of γ -rays combined with H_2O_2 on landfill leachate JIA Wenbao WEI Yonghong LIU Jianguo LING Yongsheng HEI Daqian *et al* (010402)

辐 射 研 究 与 辐 射 工 艺 学 报

Fushe Yanjiu Yu Fushe Gongyi Xuebao

2013 年 2 月 第 31 卷 第 1 期

目 次

综述

- miR-34a 在辐射损伤效应中的作用 李磊 陈秋 崔凤梅 涂彧 (010101)

辐射生物与医学

- DHEA 联合 γ 射线对食管癌 EC109 细胞移植裸鼠的抑瘤与抗辐射作用
杜利清 孟爱民 王月英 吴红英 张恒 等 (010201)
- DCX 和 SPARC 基因共表达增强 X 射线对人脑胶质瘤细胞 U-87MG 细胞凋亡的影响
蒋昕 徐媛媛 张昊文 俞家华 杨吉成 等 (010202)
- 青蒿素对脑胶质瘤 U251 细胞的辐射增敏作用
季文君 陈列松 宋云珍 王逸璇 赵江虎 等 (010203)
- γ 射线降解丝素蛋白的生物相容性研究 金洹宇 董朝飞 刘星 刘雨 王大朋 等 (010204)
- $^{12}\text{C}^{6+}$ 离子束辐照对小麦种子萌发、幼苗生长及存活的影响
刘青芳 余丽霞 杜艳 周利斌 曲颖 等 (010205)

辐射化学

- 含胺硫杂蒽酮光引发剂的制备及其性能研究 王宝总 韦军 (010301)
- 含苯基脂环型环氧有机硅预聚体的制备及其光固化 李永杰 张贤顺 王涛 (010302)
- 辐照环境中氢化可的松注射液的稳定性研究 管海燕 胡大强 藕顺龙 卢来春 (010303)
- 紫外辐射共聚制备含环氧基团的多孔聚合物及其在固定化酶上的应用
李澧 冯敏 毕晓东 朱佳廷 (010304)
- 无氧体系下 ^{60}Co γ 射线辐照法去除水中的二氯乙酸 李林娜 刘远霞 包华影 (010305)

环境 污染 及 其 防 治

- 豌豆对 U 和 Cd 复合胁迫的反应及其积累特征 张艳 王丹 李黎 (010401)
- γ 辐射联合 H_2O_2 处理垃圾渗滤液的研究 贾文宝 魏勇红 刘建国 凌永生 黑大千 等 (010402)