

TONGWEISU
同位素
JOURNAL OF ISOTOPES

ISSN 1000-7512

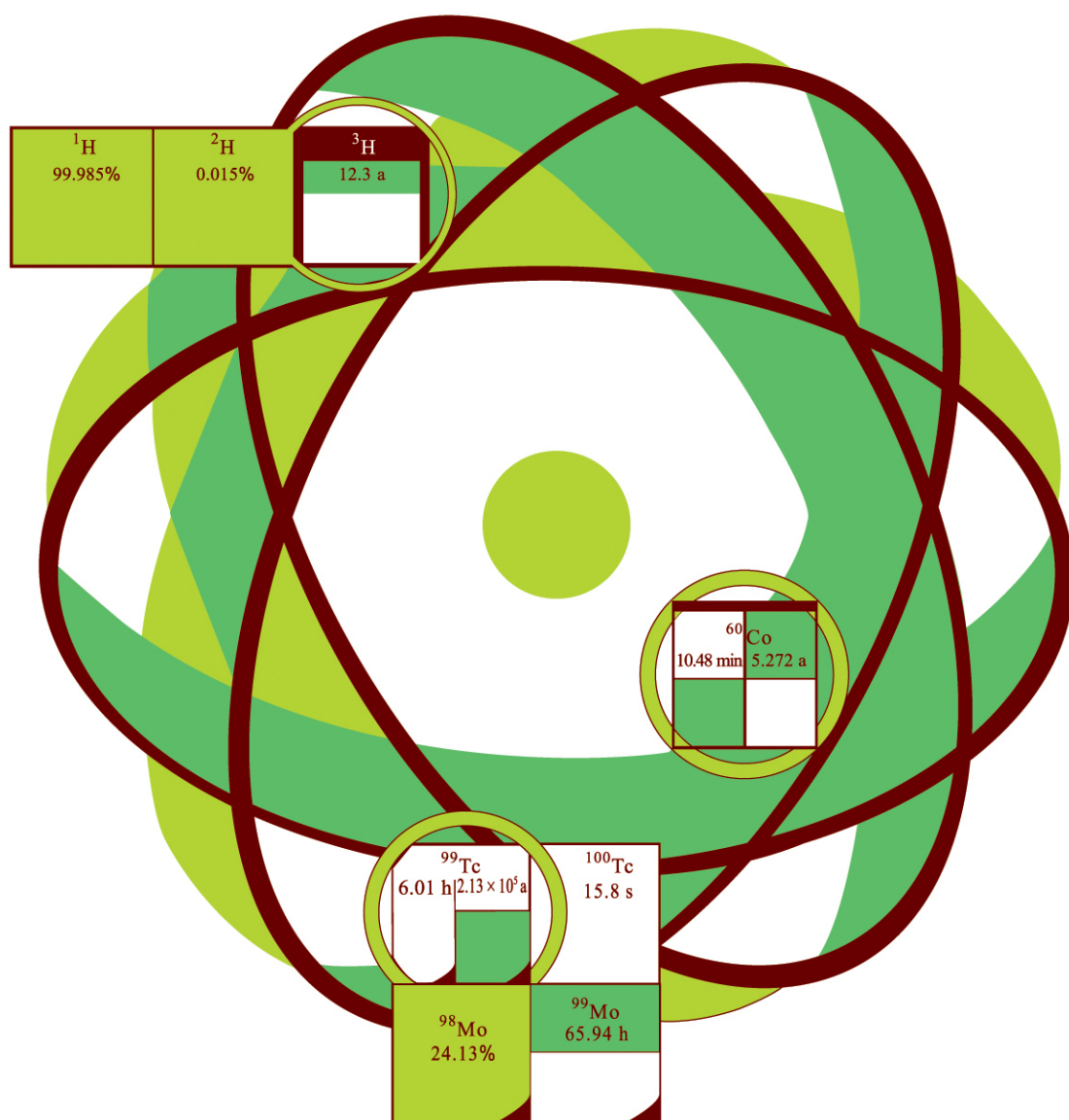
CN 11-2566/TL

5

2022

第 35 卷

Vol.35



ISSN 1000-7512



中国核学会同位素分会 主办
中国核工业集团有限公司 主管

目 次

放射性药物与标记化合物

- ^{99m}Tc 标记新型硼酸结构快速心肌灌注显像药物的制备及初步显像评价..... 张利霞,张宗耀,张海龙,韩 凯,赵祚全,方 伟(361)
- ^{68}Ga 标记成纤维细胞活化蛋白抑制剂的生物分布和胶质瘤模型 micro-PET 显像 向一立,钟 璇,付晶晶,吴文雨,邵国强,王 峰,张 俊(368)

放射性同位素与放射源

- ^{60}Co 双投影辐射成像系统中的辐射信息处理与实现 郭肖静,丛 鹏,陈 柳,孙跃文(376)
- 电沉积法制备镍-63 放射源工艺研究 罗 婷,苏冬萍,梁帮宏,李顺涛,张劲松,陈云明,甘 泉,吴 璐,罗老永(382)
- 乏燃料后处理厂核材料衡算仿真 步立新,何丽霞,刘宏斌(390)
- MCNP 模拟钴-60 辐照装置空间剂量场 曾弟明,顾 俊,宋艳超(399)
- 碘 [^{131}I]原料液瓶中放射性废气收集装置的研制和应用 程海旭,孙锐锋,郭宏利,毛宝丰,张雪峰,付 博(409)
- 2,2'-(4-乙氧基-1,2-亚苯基)双(氧基))双(*N,N*-双(2-乙基己基)乙酰胺)对 U(VI) 、 Pu(IV) 的萃取行为研究 丁琪秀,葛 晓,朱浩玮,陈 琦,吕洪彬,郑卫芳,晏太红(415)

综述

- 加速器制备医用放射性同位素的现状与展望 刘 宁,高 靖,杨远友,李飞泽,廖家莉(424)

信息

- 《同位素》第六届编委会 (封底)

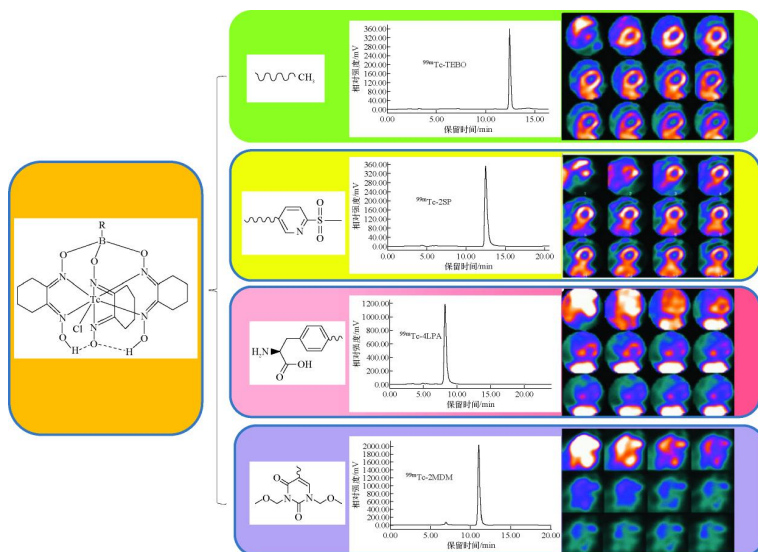
期刊基本参数:CN 11—2566/TL * 1988 * b * A4 * 78 * zh * P * 15.00¥ * 500 * 09 * 2022-10

编 辑:吕 洋 王国霞

2022,35(5),361—367

doi:10.7538/tws.2021.youxian.057

^{99m}Tc标记新型硼酸结构快速心肌灌注显像药物的制备及初步显像评价

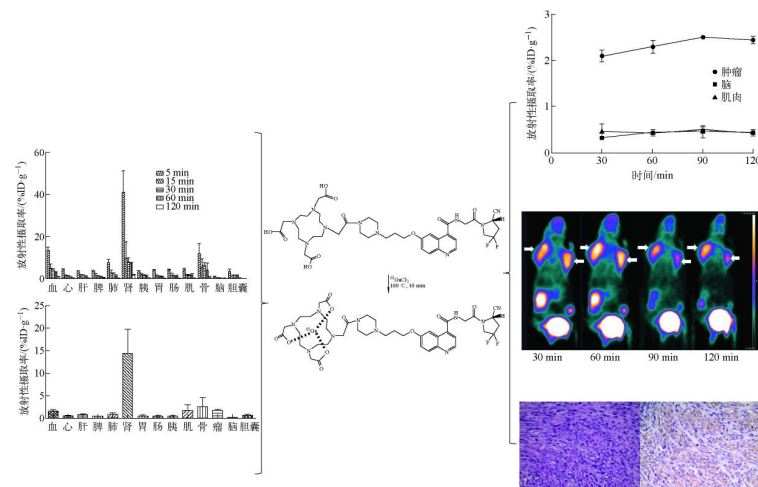


张利霞,张宗耀,张海龙,韩 凯,
赵祚全,方 伟

2022,35(5),368—375

doi:10.7538/tws.2021.youxian.115

⁶⁸Ga标记成纤维细胞活化蛋白抑制剂的生物分布和胶质瘤模型 micro-PET 显像

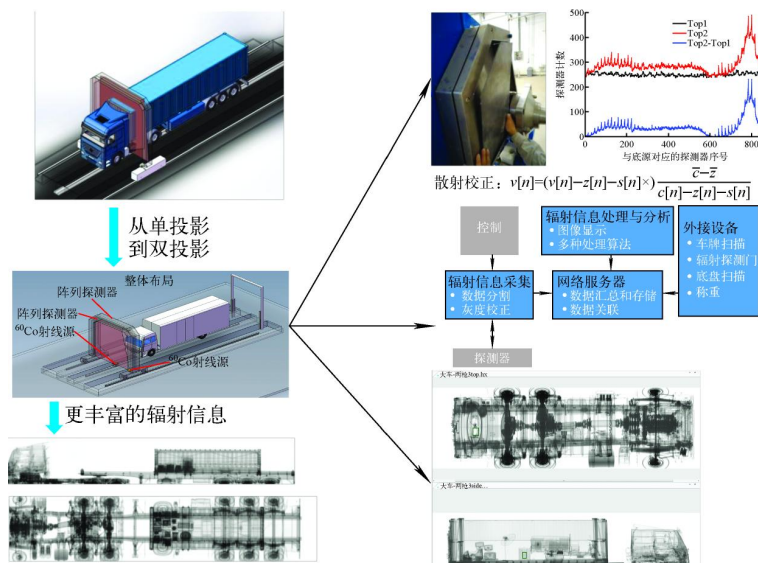


向一立,钟 璇,付晶晶,吴文雨,
邵国强,王 峰,张 俊

2022,35(5),376—381

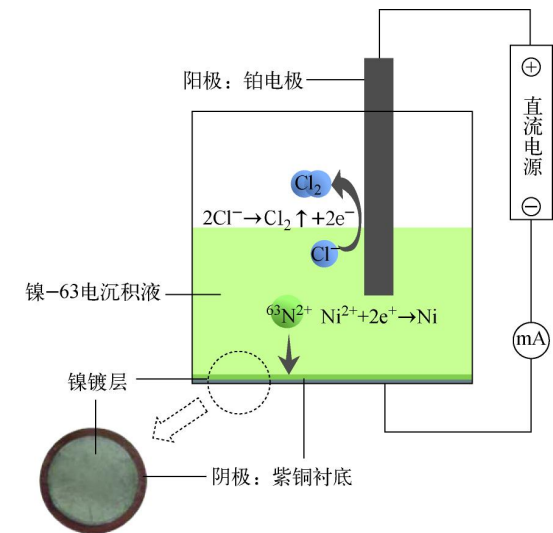
doi:10.7538/tws.2021.youxian.070

⁶⁰Co双投影辐射成像系统中的辐射信息处理与实现



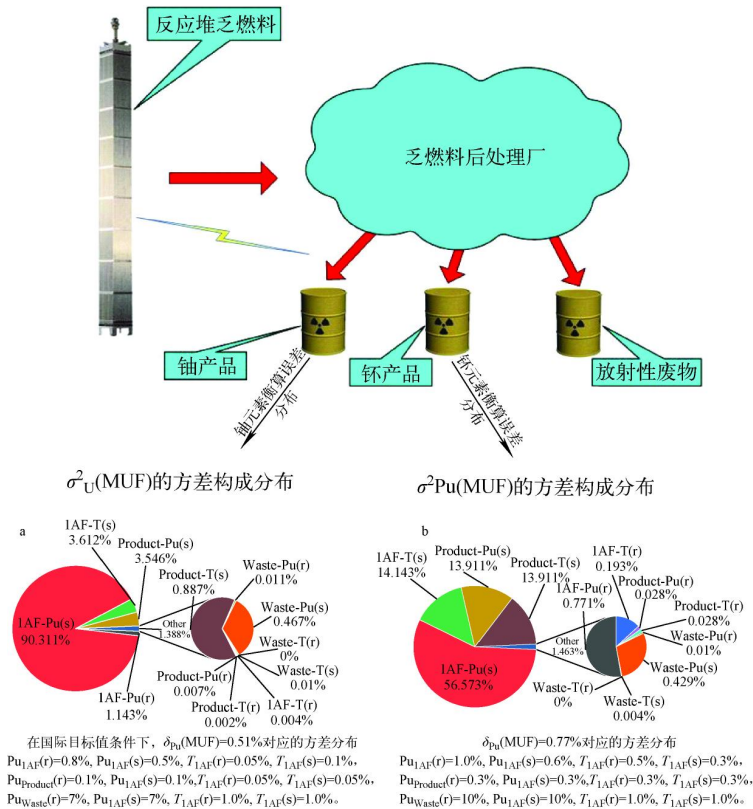
郭肖静,丛 鹏,陈 柳,孙跃文

电沉积法制备镍-63 放射源
工艺研究



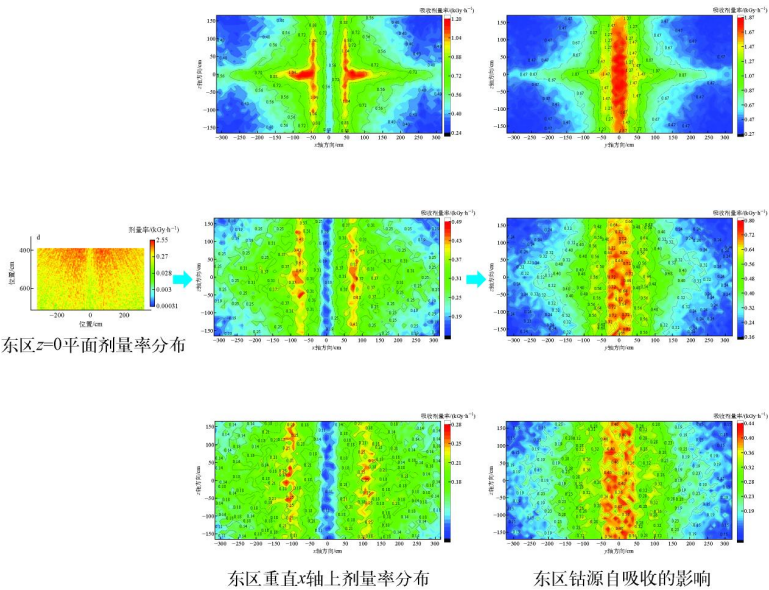
罗 婷,苏冬萍,梁帮宏,李顺涛,
张劲松,陈云明,甘 泉,吴 璐,
罗老永

乏燃料后处理厂核材料衡算
仿真



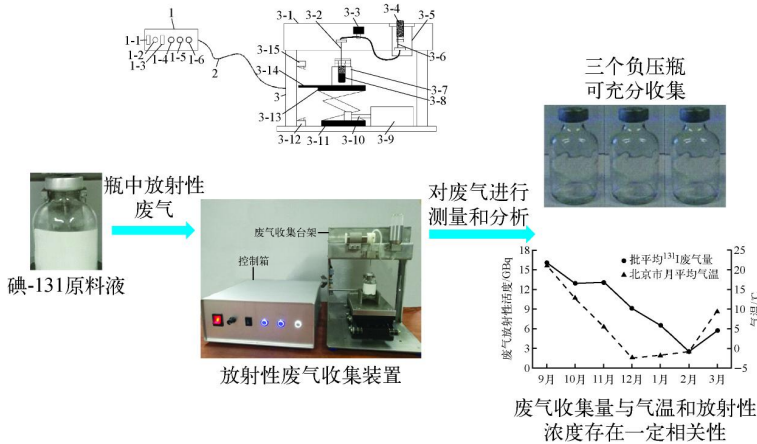
步立新,何丽霞,刘宏斌

MCNP 模拟钴-60 辐照装置
空间剂量场



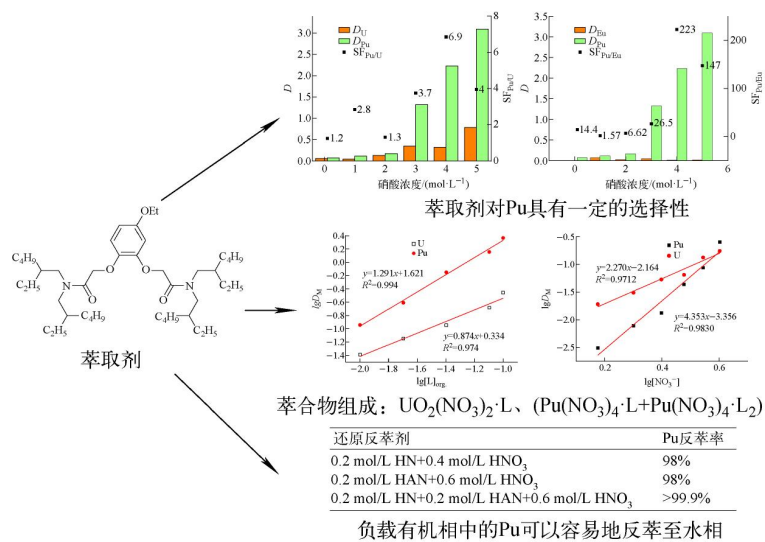
曾弟明,顾 俊,宋艳超

碘^[131 I]原料液瓶中放射性废
气收集装置的研制和应用



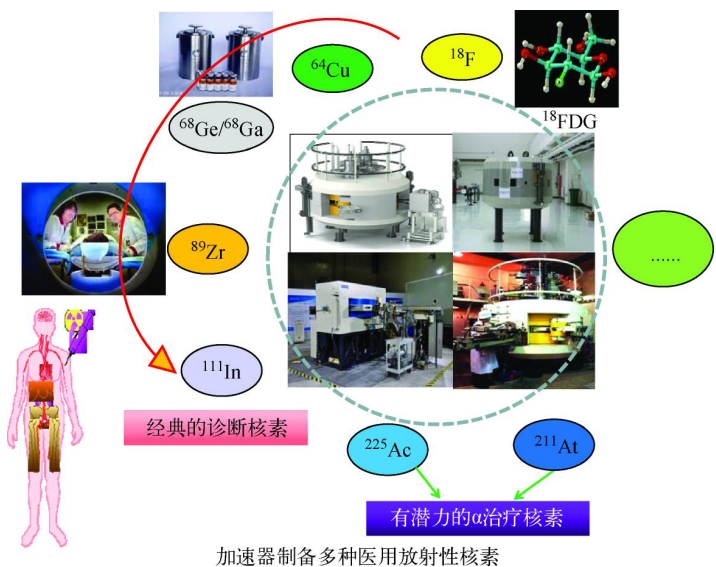
程海旭,孙锐锋,郭宏利,毛宝丰,
张雪峰,付 博

2,2'-((4-乙氧基-1,2-亚苯基)双(氧基))双(*N,N*-双(2-乙基己基)乙酰胺)对 U(VI)、Pu(IV)的萃取行为研究



丁琪秀,葛 晓,朱浩玮,陈 琦,
吕洪彬,郑卫芳,晏太红

加速器制备医用放射性同位素的现状与展望



刘 宁,高 靖,杨远友,李飞泽,
廖家莉

CONTENTS

Radiopharmaceuticals and Labeled Compounds

- Preparation and Preliminary Imaging Evaluation of a Group of Novel Rapid ^{99m}Tc -Labeled Boric Acid Derivatives Tracers for Myocardial Perfusion Imaging ZHANG Lixia, ZHANG Zongyao, ZHANG Hailong, HAN Kai, ZHAO Zuoquan, FANG Wei(361)
- The Glioma Model micro-PET Imaging and Biodistribution of ^{68}Ga Labeled Fibroblast Activation Protein Inhibitor XIANG Yili, ZHONG Xuan, FU Jingjing, WU Wenyu, SHAO Guoqiang, WANG Feng, ZHANG Jun(368)

Radioisotopes and Radioactive Sources

- Radiation Information Process and Implement in a ^{60}Co Dual-projection Digital Radiography System GUO Xiaojing, CONG Peng, CHEN Liu, SUN Yuewen(376)
- Study on Preparation Process of Ni-63 Radioactive Sources by Electrodeposition LUO Ting, SU Dongping, LIANG Banghong, LI Shuntao, ZHANG Jingsong, CHEN Yunming, GAN Quan, WU Lu, LUO Laoyong(382)
- A Nuclear Material Accounting Simulation Model for Spent Fuel Reprocessing Facility BU Lixin, HE Lixia, LIU Hongbin(390)
- MCNP Simulating the Apatial Dose Field of Cobalt-60 Irradiation Facility ZENG Diming, GU Jun, SONG Yanchao(399)
- Design and Application of Device for Collecting Radioactive Waste Gas from ^{131}I Solution Vials CHENG Haixu, SUN Ruifeng, GUO Hongli, MAO Baofeng, ZHANG Xuefeng, FU Bo(409)
- Liquid-liquid Extraction of $\text{U}(\text{VI})$ and $\text{Pu}(\text{IV})$ with 2,2'-((4-Ethoxy-1,2-phenylene) bis (oxy)) bis (N,N-bis(2-ethylhexyl)acetamide) DING Qixiu, GE Xiao, ZHU Haowei, CHEN Qi, LYU Hongbin, ZHENG Weifang, YAN Taihong(415)

Review

- The Current Situation and Prospect of Accelerator Produced Medical Radioisotopes LIU Ning, GAO Jing, YANG Yuanyou, LI Feize, LIAO Jiali(424)

Serial Parameters : CN 11—2566/TL * 1988 * b * A4 * 78 * zh * P * 15 .00¥ * 500 * 09 * 2022-10

Editors :LYU Yang, WANG Guoxia

Undertake : China Institute of Atomic Energy