

HEHUAXUE YU FANGSHE HUAXUE

核化学与放射化学

JOURNAL OF NUCLEAR AND RADIOCHEMISTRY

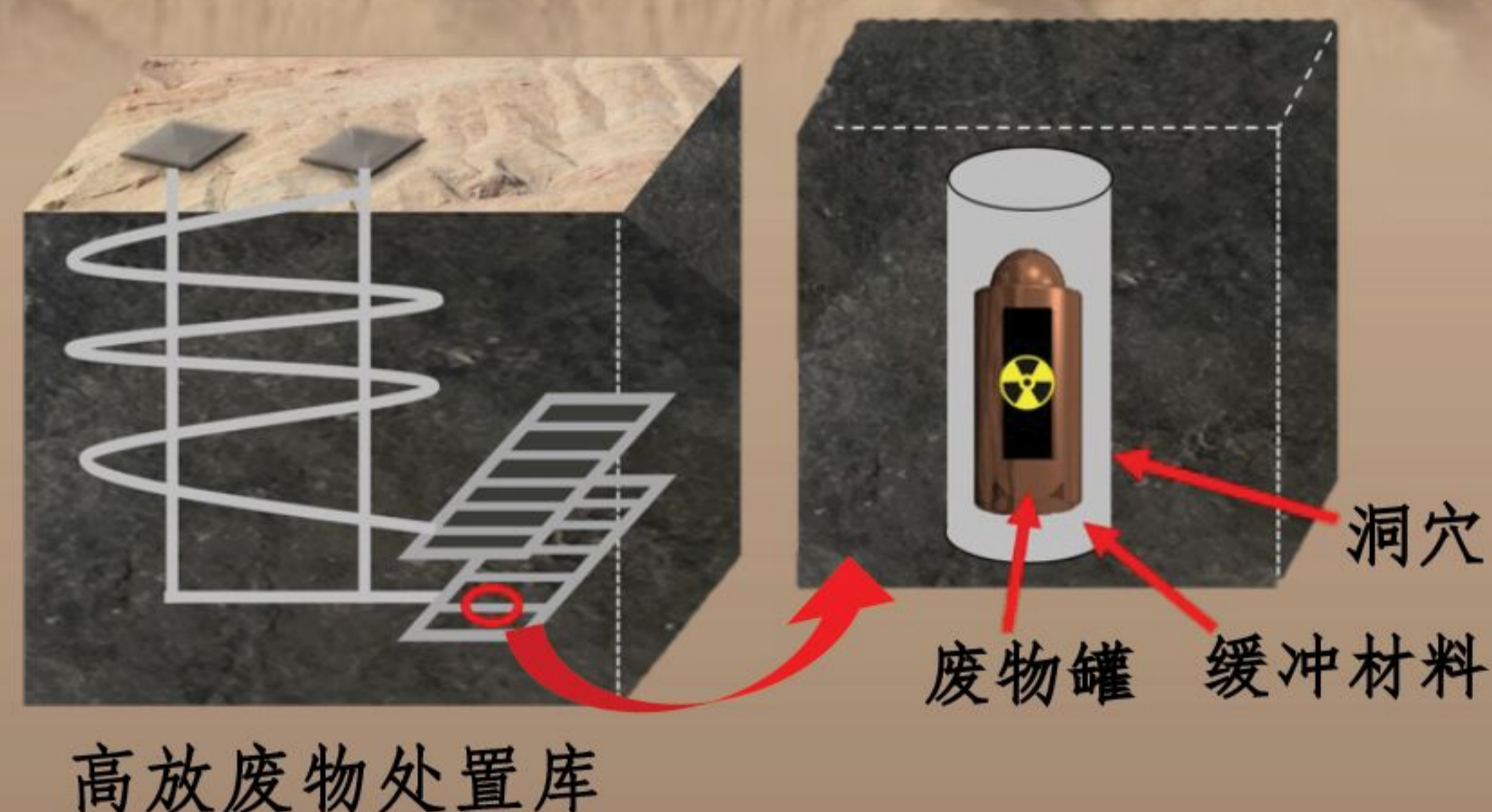
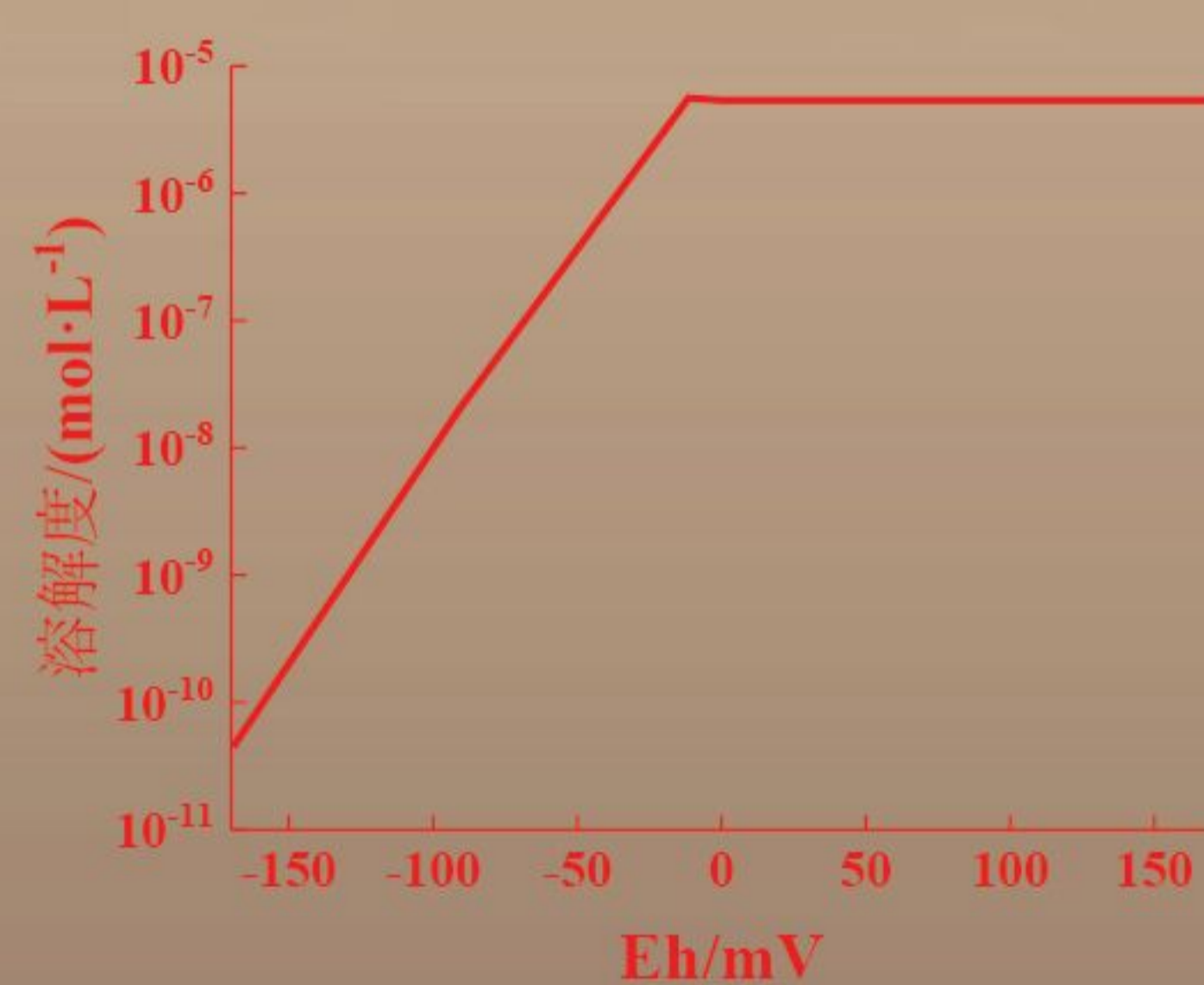
4

第45卷
2023

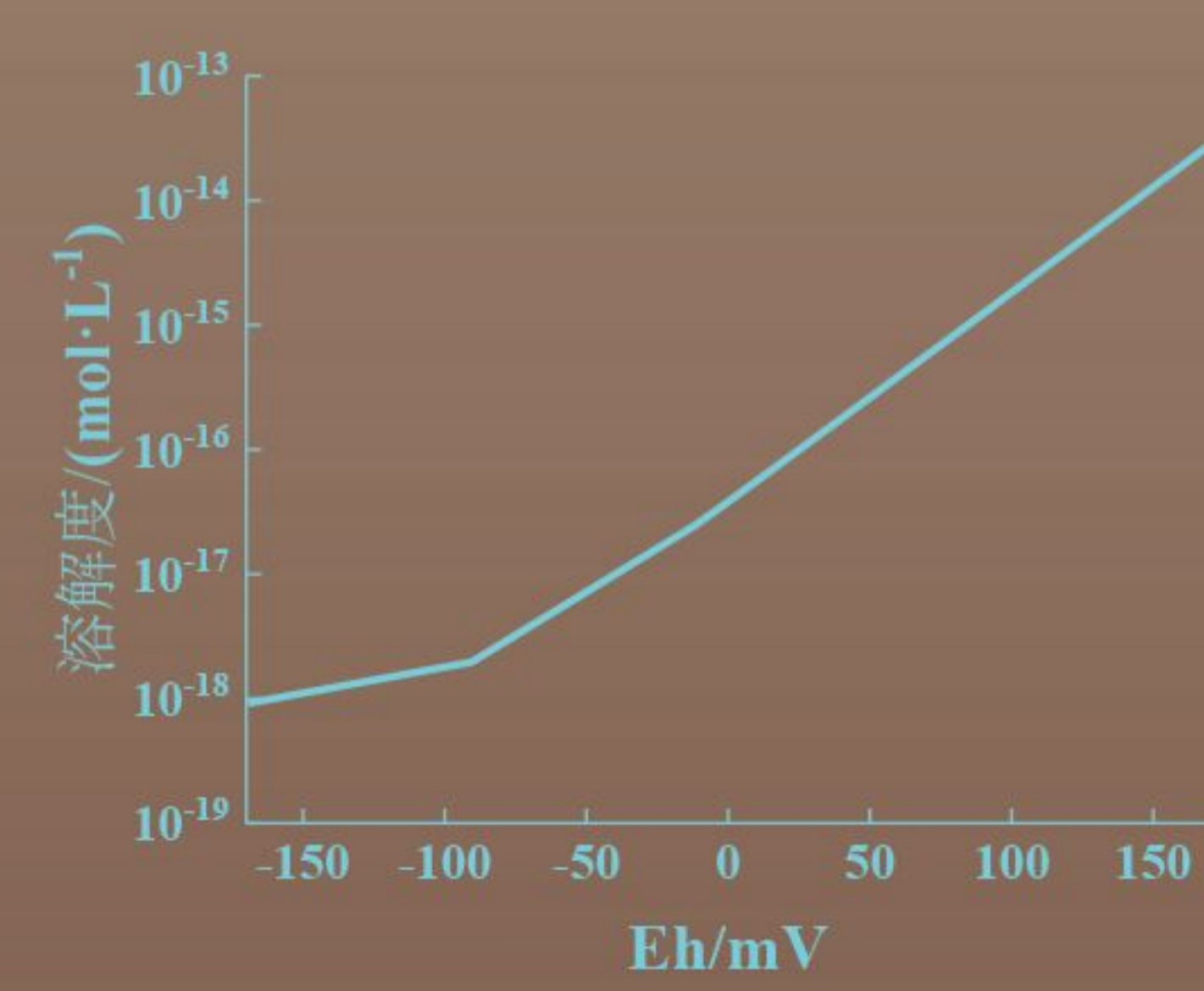
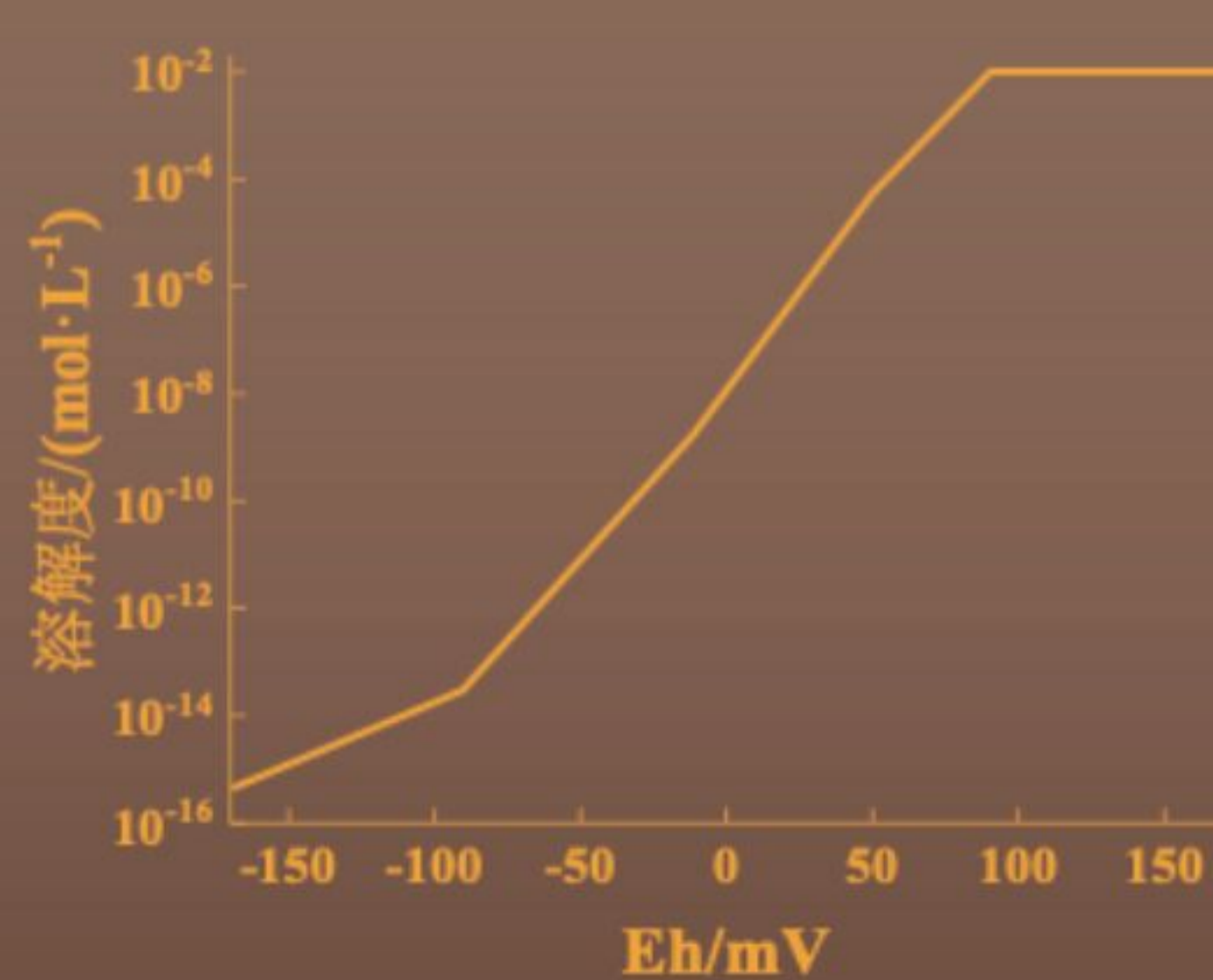
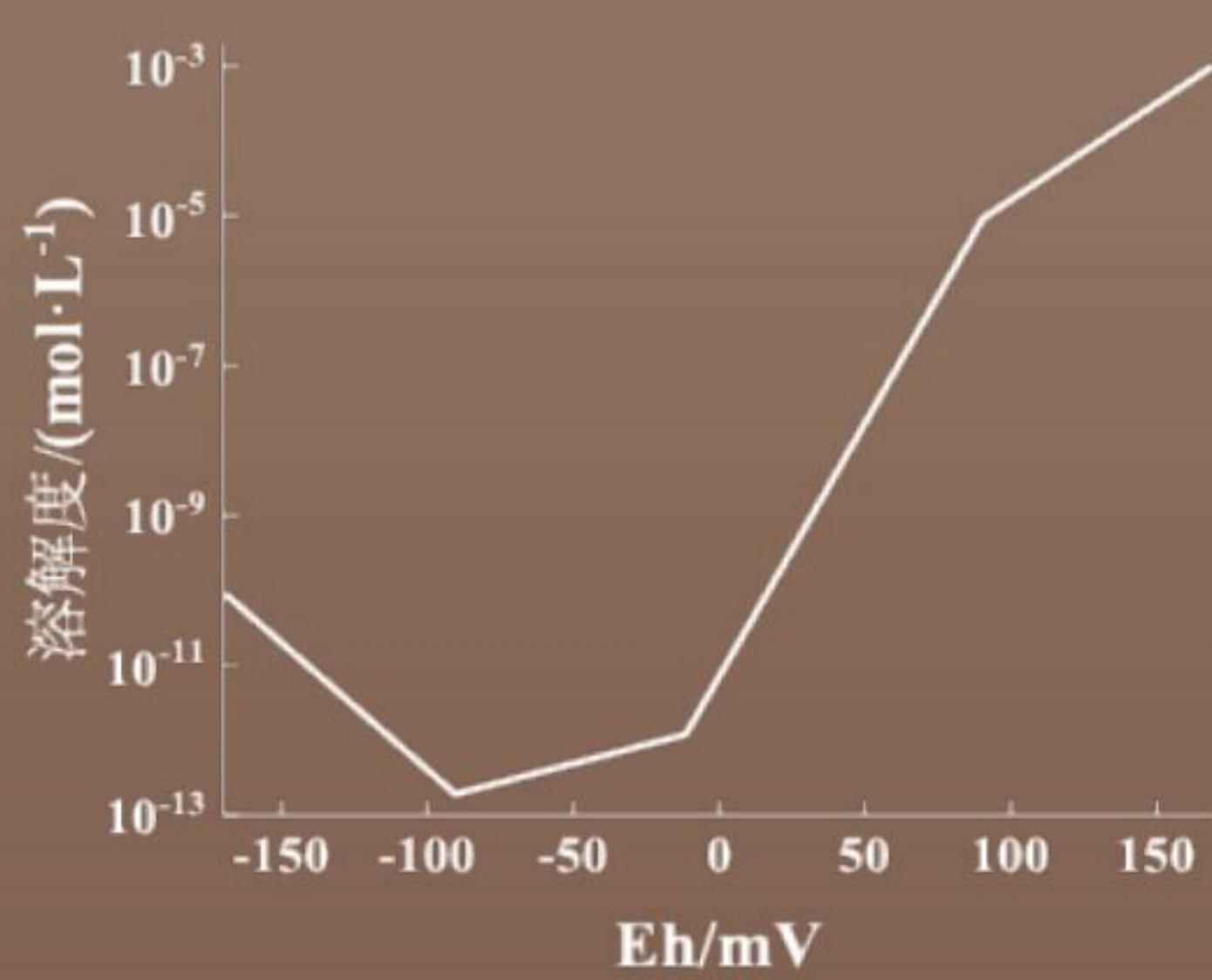
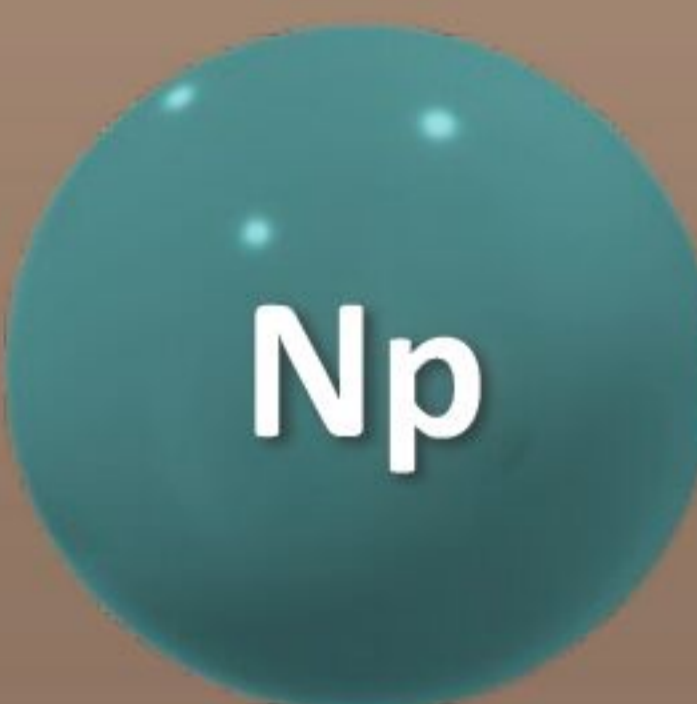
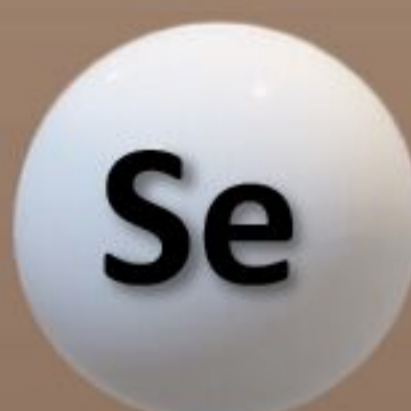
内蒙古塔木素
黏土岩地区

可变价核素在塔木素黏土岩合成地下水中的
溶解度与种态分布

吴嘉程, 康明亮, 康铨潇, 吴涵玉,
林巧雅, 孙乐文, 周 菲



高放废物处置库



中国核学会核化学与放射化学分会 主办
中国核工业集团有限公司 主管

核化学与放射化学

刊名题字 杨承宗

第 45 卷 第 4 期

2023 年 8 月

目 次

综述

- 海水提铀材料与方法的现状与挑战…… 唐兴睿,黄鹏玲,阮昊明,唐 丽,龚 翔,段 涛,陈树森,何 嵘,竹文坤(267)
温度对⁷⁵Se(IV)在我国北山花岗岩中扩散影响的再思考 …………… 王春丽,杨小雨,鲜东帆,祝兆文(284)

核燃料循环化学

- 硝酸介质中 H₂C₂O₄ 在铂、玻碳和金刚石掺硼电极上的氧化机理…………… 乔 璐,张 虎(295)
晶种加入条件下 Ce₂(C₂O₄)₃ 的连续沉淀工艺…………… 余 云,王 博,李传博(306)

核化学与放射分析化学

- ^{94,95}Sr快化分离方法的研究…………… 崔春盛,丁有钱,王秀凤,白 龙,周子钧(316)
LA-ICP-MS 测定单颗粒氨基膦酸螯合树脂中的铀分布……………
…………… 王娅楠,郭冬发,刘瑞萍,李伯平,李 黎,谢胜凯,何 升,武 勇,周良慧(323)
氧化还原电位滴定法测量铀含量的不确定度评定……………
…………… 田 川,黎 春,王 岚,张继龙,武朝辉,韩叶良,高雪梅,纪建臣,谭西早,周志波,李多宏(332)
核电厂液态流出物中⁵⁵Fe和⁶³Ni的联合分析…………… 方春鸣,姜 冬,马元晨(341)
Reillex-Reillex 阴离子交换分离克量级铀中微量钚…………… 谢 翔,郭继军,李 刚,吴牧晓,涂 俊(345)

环境放射化学

- 可变化核素在塔木素黏土岩合成地下水中的溶解度与种态分布……………
…………… 吴嘉程,康明亮,康银潇,吴涵玉,林巧雅,孙乐文,周 菲(353)
磷酸三钙去除 U(VI)的性能与机理研究…………… 赵凯鑫,高 琼,田 强,晏敏皓,黄 毅(364)

期刊基本参数: CN 11-2045/TL * 1979 * b * A4 * 110 * zh * P * ¥15.00 * 800 * 11 * 2023-08

本期执行编委: 吴王锁

本期责任编辑: 陈春雪 张小庆

技术编辑: 肖 露

CONTENTS

Reviews

- Progress and Challenges of Materials and Methods for Uranium Extraction From Seawater TANG Xing-ruì, HUANG Peng-ling, RUAN Hao-ming, TANG Li, GONG Xiang, DUAN Tao, CHEN Shu-sen, HE Rong, ZHU Wen-kun(267)
- Rethinking on Influence of Temperature on Diffusion of $^{75}\text{Se(IV)}$ in Beishan Granite WANG Chun-li, YANG Xiao-yu, XIAN Dong-fan, ZHU Zhao-wen(284)

Nuclear Fuel Cycle Chemistry

- Oxidation Mechanism of Oxalic Acid on Platinum, Glassy Carbon and Boron Doped Diamond Electrodes in Nitric Acid Medium QIAO Lu, ZHANG Hu(295)
- Continuous Precipitation Process of $\text{Ce}_2(\text{C}_2\text{O}_4)_3$ Under Addition of Seed Crystals YU Yun, WANG Bo, LI Chuan-bo(306)

Nuclear Chemistry and Radioanalytical Chemistry

- Rapid Separation of $^{94,95}\text{Sr}$ CUI Chun-sheng, DING You-qian, WANG Xiu-feng, BAI Long, ZHOU Zi-jun(316)
- Determination of Uranium Distribution in Amino Phosphonic Acid Chelating Resin by LA-ICP-MS WANG Ya-nan, GUO Dong-fa, LIU Rui-ping, LI Bo-ping, LI Li, XIE Sheng-kai, HE Sheng, WU Yong, ZHOU Liang-hui(323)
- Uncertainty Evaluation of Uranium Content Measurements by Redox Potential Titration Methods TIAN Chuan, LI Chun, WANG Lan, ZHANG Ji-long, WU Zhao-hui, HAN Ye-liang, GAO Xue-mei, JI Jian-chen, TAN Xi-zao, ZHOU Zhi-bo, LI Duo-hong(332)
- Combined Analysis of ^{55}Fe and ^{63}Ni in Liquid Effluents From Nuclear Power Plants FANG Chun-ming, JIANG Dong, MA Yuan-chen(341)
- Separation of Trace Plutonium From Bulk Uranium Using Reillex-Reillex Anion Exchange Chromatography XIE Xiang, GUO Ji-jun, LI Gang, WU Mu-xiao, TU Jun(345)

Environmental Radiochemistry

- Investigation on Solubility and Speciation of Valence-Variable Radionuclides in Synthetic Tamusu Claystone Groundwater WU Jia-cheng, KANG Ming-liang, KANG Yi-xiao, WU Han-yu, LIN Qiao-ya, SUN Le-wen, ZHOU Fei(353)
- Performance and Mechanism of U(VI) Removal by Tricalcium Phosphate ZHAO Kai-xin, GAO Qiong, TIAN Qiang, YAN Min-hao, HUANG Yi(364)