

HEHUAXUE YU FANGSHE HUAXUE

核化学与放射化学

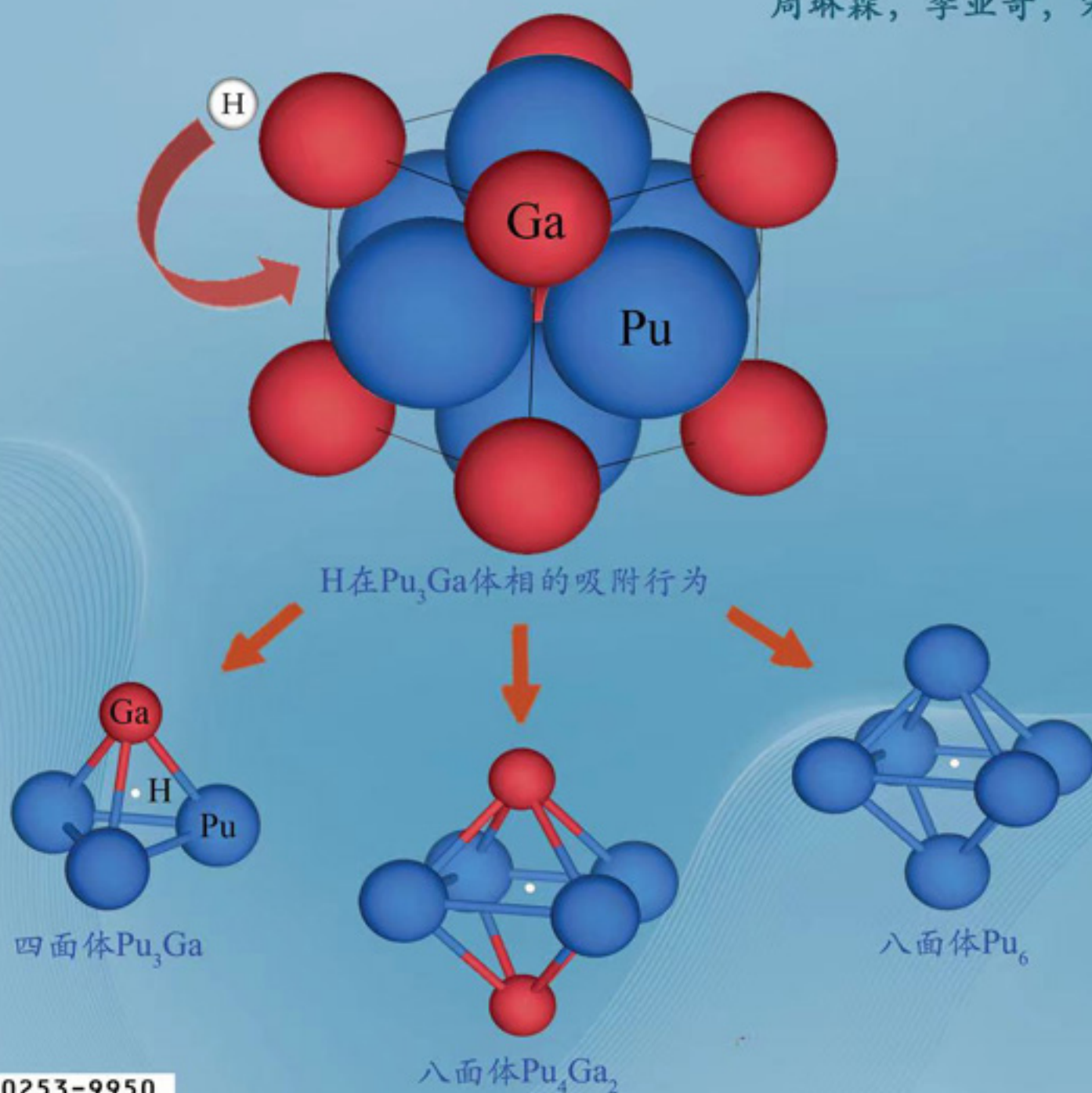
JOURNAL OF NUCLEAR AND RADIOCHEMISTRY

2

第45卷
2023

PuGa合金中H吸附行为的第一性原理研究

周琳森, 季亚奇, 宋江锋



ISSN 0253-9950



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

CONTENTS

Reviews

- Progress and Development of Electrorefiner in Dry Reprocessing Process
..... ZHANG Jin-yu, LIN Ru-shan, ZHANG Lei, TANG Hong-bin, YE Guo-an(93)
- Research Advances in Graphene Oxide Composites for Uranium Adsorption
..... LIU Peng, RUAN Hui, XUE Yun, MA Fu-qiu(102)
- Research Progress of Metal-Based Radiopharmaceuticals Targeting Somatostatin Receptor
..... QIN Xiang-yu, SHEN Lang-tao(119)

Nuclear Fuel Cycle Chemistry

- Electrochemical Behaviour of Pu^{3+} on Active Al Cathode in LiCl-KCl Molten Salt
..... MENG Zhao-kai, LIN Ru-shan, WANG You-qun, CHEN Hui, SONG Peng, HE Hui, YE Guo-an(133)
- Thermal Behavior of Rhabdophanes($\text{LnPO}_4 \cdot n\text{H}_2\text{O}$) and Chemical Stability of Their Phase Transition Products
..... ZHENG Xia-yu, ZHAO Xiao-feng, TENG Yuan-cheng, LIU Hang, HU Qi(139)
- Extraction of ^{137}Cs From High Level Liquid Waste
..... LIU Yue-kun, LYU Hong-bin, XIE Shu-bao, ZHANG Hu, YE Guo-an(148)

Nuclear Chemistry and Radioanalytical Chemistry

- First-Principle of Adsorption Behavior of H atom in PuGa Alloy ZHOU Lin-sen, JI Ya-qi, SONG Jiang feng(153)
- Theoretical Study of Boron Clusters Doped With Actinides AnB_7 ($\text{An}=\text{Ac}, \text{Th}, \text{Am}, \text{Cm}$)
..... ZHANG Nai-xin, WANG Cong-zhi, SHI Wei-qun(160)
- α/β Discrimination by Hidex Liquid Scintillation Counter and Method for LSC Spectra Reconstruction
..... FENG Xiao-gui, YUAN Jian-hua, HE Qian-ge, WANG Jian-chen, CHEN Jing(170)