

全国中文核心期刊
美国化学文摘 (CA) 收录源期刊

IYPT 2019

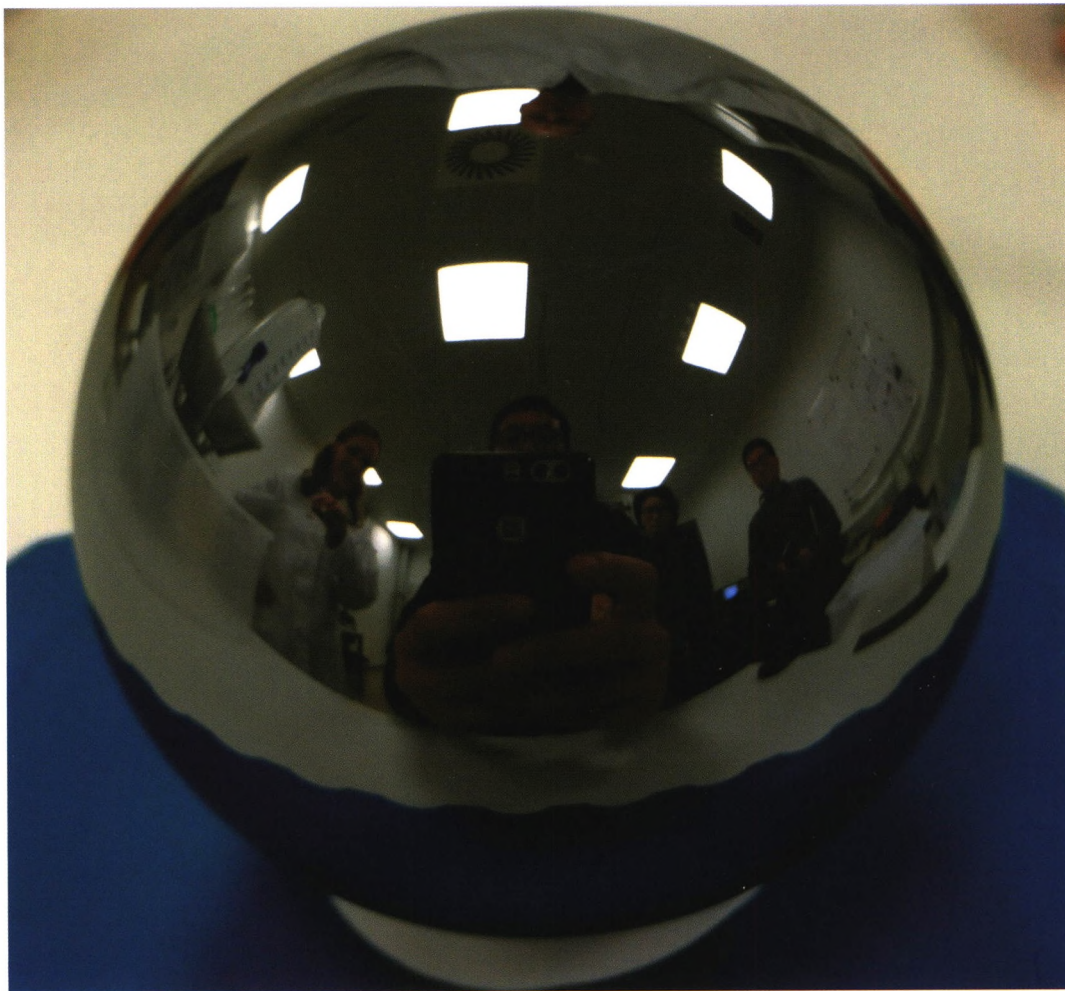
国际化学元素周期表年

QK1924697

化学教育(中英文)

Chinese Journal of Chemical Education

2019年 第40卷 第12期 Vol.40 No.12



邮发代号: 2-106

ISSN 1003-3807



HUAXUE JIAOYU

万方数据



CHINESE
CHEMICAL
SOCIETY



主管: 中国科学技术协会
主办: 中国化学会
北京师范大学

国际化学元素周期表年

点“钍”成金····· 廖伍平 (1)

化学·生活·社会

抗流感病毒药物合成研究纵览····· 蔡岩 丁晓丽 章聚宝 周卫红 苗志伟 (5)

课程·教材·评价

摩尔的重新定义····· 任同祥 王军 李红梅 (19)

“聚丙烯酸酯的合成及降凝性能评价”综合实验能力考核平台····· 于颖敏 (24)

理论教学

高师院校无机化学双语教学中化学奥赛试题的渗透····· 周文理 邱忠贤 张吉林 李志强 李承志 余丽萍 (29)

巧用逻辑思维方式 讲活无机元素化学——以铜族元素的教学为例····· 张文广 游明祥 彭思艳 (36)

实验教学

咖啡因提取的综合性实验教学····· 谢一凡 刘慧中 杨若林 蔡玉兴 金玉杰 李宁 (40)

基于混合式教学和形成性评价的仪器分析实验教学改革与实践····· 李俊波 白慧云 张鑫鑫 杨燕强 杨金香 (44)

简易吹扫-捕集装置在化学实验教学中的适用性探讨····· 黄远星 李亮 许智华 (50)

基于综合素质培养的化学基础综合实验设计——以谷物中生育酚的测定实验为例·····
曹江平 邱宏伟 梁永锋 刘世巍 (53)

教师教育

职前化学教师教学目标观的调查研究——基于化学核心素养的视角····· 邓超 邓峰 黄嘉倩 李培桐 (56)

地方高校化学师范生对教师职业认同现状及影响因素调查研究····· 胡洪羽 张寒梅 王雨晨 (62)

非化学专业化学教育

环境专业无机化学的碳捕集工程实例教学····· 李云 黄维佳 李雷 (68)

信息技术与化学

原子轨道的函数表示及可视化····· 刘英涛 芦瑞 李中伟 (74)

基于Flash的肝脏谷丙转氨酶活力测定仿真实验设计与实现····· 闫路娜 (79)

问题讨论与思考

2种标准摩尔反应熵的关系····· 朱元海 范森 关秋红 (85)

化学史与化学史教育

基于研究性学习的高校“化学史”课程改革与实践····· 李晓慧 周欣 陈晓翠 (88)

书评

多维视角下高校教师教学能力提升研究——评《高校教师教学手册》····· 李伟 (95)

高等职业教育课程内涵建设的探究——评《职业教育课程论》····· 杨茜 (96)

现代高等教育教学管理的思考——评《知与行——高等教育教学管理探索与实践论集》····· 张志超 (97)

2019年《化学教育》订阅通知····· (39)

“国际化学元素周期表年”专栏征稿通知····· (18)

封面图片——硅球····· (21)

本期责任编辑 杨金瑞

CHINESE JOURNAL OF CHEMICAL EDUCATION

2019 Vol. 40 No. 12

Sponsored by Chinese Chemical Society and Beijing Normal University

International Year of the Periodic Table of Chemical Elements

Precious Radioactive Element: Thorium LIAO Wu-Ping (1)

Chemistry-Life-Society

Survey on Anti-Influenza Drug Synthesis
..... CAI Yan DING Xiao-Li ZHANG Ju-Bao ZHOU Wei-Hong MIAO Zhi-Wei (5)

Curriculum-Teaching Materials-Assessment

Redefinition of Mole REN Tong-Xiang WANG Jun LI Hong-Mei (19)
Comprehensive Experimental Ability Assessment Platform Based on Synthesizing and Pour Point Depressant Performance Evaluation of Polyacrylate YU Ying-Min (24)

Theory Teaching

Infiltration of Chemistry Olympiad Problems in Bilingual Teaching of Inorganic Chemistry in Normal Universities
..... ZHOU Wen-Li QIU Zhong-Xian ZHANG Ji-Lin LI Zhi-Qiang LI Cheng-Zhi YU Li-Ping (29)
Utilizing Logic Thinking to Explain Elements Chemistry
..... ZHANG Wen-Guang YOU Ming-Xiang PENG Si-Yan (36)

Experiment Teaching

Comprehensive Chemistry Experiment Teaching of Caffeine Extraction
..... XIE Yi-Fan LIU Hui-Zhong YANG Ruo-Lin CAI Yu-Xing JIN Yu-Jie LI Ning (40)
Teaching Reform and Practice of Instrumental Analysis Experiment Based on Blending Teaching and Formative Evaluation
..... LI Jun-Bo BAI Hui-Yun ZHANG Xin-Xin YANG Yan-Qiang YANG Jin-Xiang (44)
Applicability of Simple Purge and Trap Device in Chemistry Experiment Teaching
..... HUANG Yuan-Xing LI Liang XU Zhi-Hua (50)
Design of Comprehensive Chemistry Experiment Based on Cultivation of Overall Quality Taking Determination of Tocopherols in Cereal Grains as Example CAO Jiang-Ping DI Hong-Wei LIANG Yong-Feng LIU Shi-Wei (53)

Teacher Education

Preservice Chemistry Teachers' Beliefs About the Teaching Goals: From the Chemistry Key Competency Lens
..... DENG Chao DENG Feng HUANG Jia-Qian LI Pei-Tong (56)
The Status of Teacher Professional Identity and Its Influencing Factors of Normal Students of Chemistry Specialty in Local University
..... HU Hong-Yu ZHANG Han-Mei WANG Yu-Chen (62)

Chemical Education for Non-Chemistry Majors

Engineering Project of Carbon Capture Technology Used for Inorganic Chemistry Teaching for Environmental Specialty
..... LI Yun HUANG Wei-Jia LI Lei (68)

Information Technology and Chemistry

Mathematical Expression and Visualization of the Atomic Orbital LIU Ying-Tao LU Rui LI Zhong-Wei (74)
Design and Implementation of Simulation Experiment About Determination of the Activity of Glutamate-Pyruvate Transaminase (GPT) Based on Flash YAN Lu-Na (79)

Discussion and Thinking of Questions

Relationship Between Two Kinds of Standard Molar Entropy of Reaction
..... ZHU Yuan-Hai FAN Sen GUAN Qiu-Hong (85)

History of Chemistry and Chemical History Education

Reform and Practice of Chemical History Curriculum Based on Research Study
..... LI Xiao-Hui ZHOU Xin CHEN Xiao-Cui (88)

化学教育(中英文)

(半月刊·1980年创中文刊·2017年变更为中英文刊)
2019年 第40卷 第12期 6月18日出版

主管单位 中国科学技术协会
主办单位 中国化学会 北京师范大学
编辑出版 《化学教育(中英文)》编辑部
编辑部地址 北京师范大学化学楼217室
邮政编码 100875
电话(传真) 010-58807875
咨询信箱 hxjy-jce@263.net
投稿网址 http://www.hxjy.org

顾问 刘知新
主编 刘正平
副主编 李艳梅 孙世刚 王磊 王祖浩
杨屹 杨振忠 郑长龙 朱玉军(专职)
刊名题字 戴安邦
印刷装订 保定华泰印刷有限公司
总发行处 中国邮政集团公司北京市报刊发行局
订 阅 全国各地邮局

刊号 ISSN 1003-3807
CN 10-1515/O6

国内邮发代号 2-106

国外发行代号 M3070

定价 21.00元

CHINESE JOURNAL OF CHEMICAL EDUCATION

2019 Vol. 40 No. 12

Sponsored by Chinese Chemical Society and Beijing Normal University

International Year of the Periodic Table of Chemical Elements

Precious Radioactive Element: Thorium LIAO Wu-Ping (1)

Chemistry-Life-Society

Survey on Anti-Influenza Drug Synthesis
..... CAI Yan DING Xiao-Li ZHANG Ju-Bao ZHOU Wei-Hong MIAO Zhi-Wei (5)

Curriculum-Teaching Materials-Assessment

Redefinition of Mole REN Tong-Xiang WANG Jun LI Hong-Mei (19)
Comprehensive Experimental Ability Assessment Platform Based on Synthesizing and Pour Point Depressant Performance Evaluation of Polyacrylate YU Ying-Min (24)

Theory Teaching

Infiltration of Chemistry Olympiad Problems in Bilingual Teaching of Inorganic Chemistry in Normal Universities
..... ZHOU Wen-Li QIU Zhong-Xian ZHANG Ji-Lin LI Zhi-Qiang LI Cheng-Zhi YU Li-Ping (29)
Utilizing Logic Thinking to Explain Elements Chemistry
..... ZHANG Wen-Guang YOU Ming-Xiang PENG Si-Yan (36)

Experiment Teaching

Comprehensive Chemistry Experiment Teaching of Caffeine Extraction
..... XIE Yi-Fan LIU Hui-Zhong YANG Ruo-Lin CAI Yu-Xing JIN Yu-Jie LI Ning (40)
Teaching Reform and Practice of Instrumental Analysis Experiment Based on Blending Teaching and Formative Evaluation
..... LI Jun-Bo BAI Hui-Yun ZHANG Xin-Xin YANG Yan-Qiang YANG Jin-Xiang (44)
Applicability of Simple Purge and Trap Device in Chemistry Experiment Teaching
..... HUANG Yuan-Xing LI Liang XU Zhi-Hua (50)
Design of Comprehensive Chemistry Experiment Based on Cultivation of Overall Quality Taking Determination of Tocopherols
in Cereal Grains as Example CAO Jiang-Ping DI Hong-Wei LIANG Yong-Feng LIU Shi-Wei (53)

Teacher Education

Preservice Chemistry Teachers' Beliefs About the Teaching Goals: From the Chemistry Key Competency Lens
..... DENG Chao DENG Feng HUANG Jia-Qian LI Pei-Tong (56)
The Status of Teacher Professional Identity and Its Influencing Factors of Normal Students of Chemistry Specialty in Local University
..... HU Hong-Yu ZHANG Han-Mei WANG Yu-Chen (62)

Chemical Education for Non-Chemistry Majors

Engineering Project of Carbon Capture Technology Used for Inorganic Chemistry Teaching for Environmental Specialty
..... LI Yun HUANG Wei-Jia LI Lei (68)

Information Technology and Chemistry

Mathematical Expression and Visualization of the Atomic Orbital LIU Ying-Tao LU Rui LI Zhong-Wei (74)
Design and Implementation of Simulation Experiment About Determination of the Activity of Glutamate-Pyruvate Transaminase (GPT) Based on Flash YAN Lu-Na (79)

Discussion and Thinking of Questions

Relationship Between Two Kinds of Standard Molar Entropy of Reaction
..... ZHU Yuan-Hai FAN Sen GUAN Qiu-Hong (85)

History of Chemistry and Chemical History Education

Reform and Practice of Chemical History Curriculum Based on Research Study
..... LI Xiao-Hui ZHOU Xin CHEN Xiao-Cui (88)

化学教育(中英文)

(半月刊·1980年创中文刊·2017年变更为中英文刊)
2019年 第40卷 第12期 6月18日出版

主管单位 中国科学技术协会
主办单位 中国化学会 北京师范大学
编辑出版 《化学教育(中英文)》编辑部
编辑部地址 北京师范大学化学楼217室
邮政编码 100875
电话(传真) 010-58807875
咨询信箱 hxjy-jce@263.net
投稿网址 http://www.hxjy.org

顾问 刘知新
主编 刘正平
副主编 李艳梅 孙世刚 王磊 王祖浩
杨屹 杨振忠 郑长龙 朱玉军(专职)
刊名题字 戴安邦
印刷装订 保定华泰印刷有限公司
总发行处 中国邮政集团公司北京市报刊发行局
订 阅 全国各地邮局

刊号 ISSN 1003-3807
CN 10-1515/O6

国内邮发代号 2-106

国外发行代号 M3070

定价 21.00元