

全国中文核心期刊
美国化学文摘 (CA) 收录源期刊

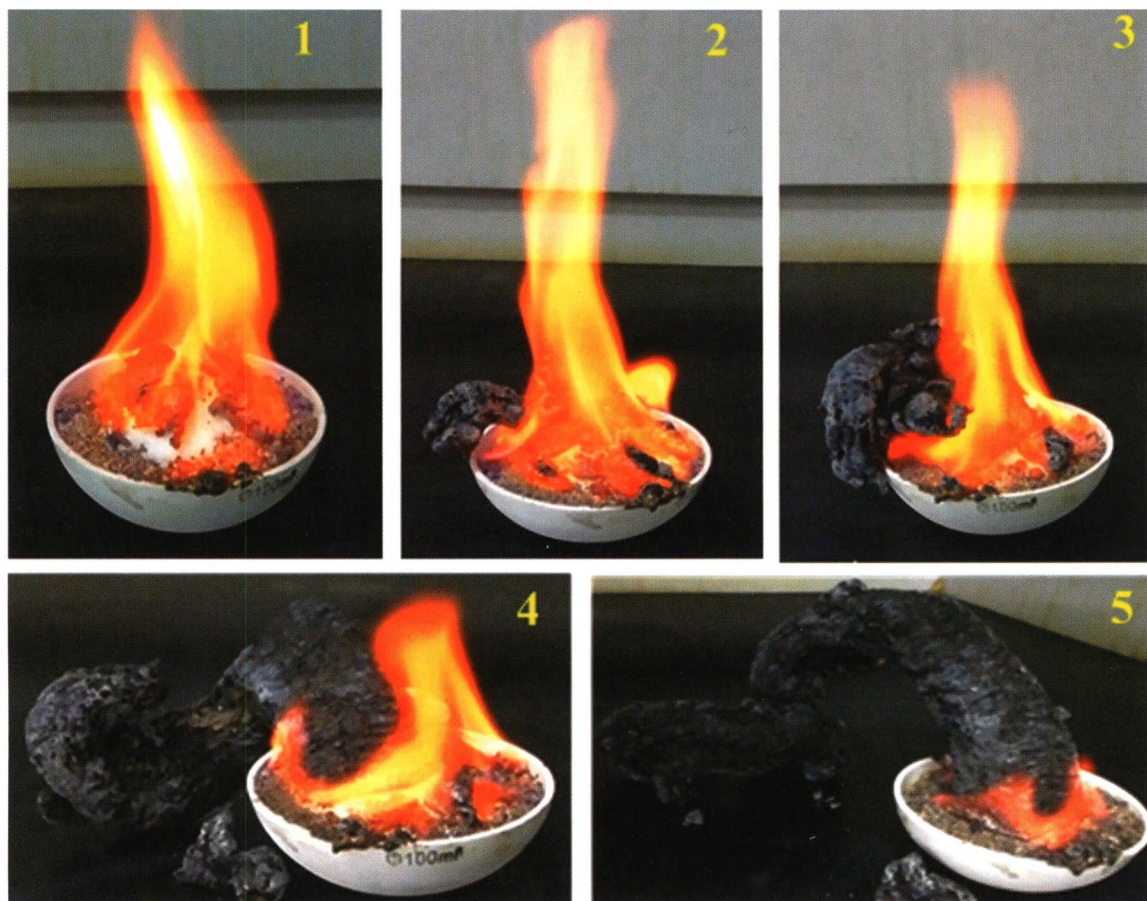
Q K 2 1 0 6 1 1 0

ISSN 1003-3807
CN 10-1515/O6

化学教育 (中英文)

Chinese Journal of Chemical Education

2021年 第42卷 第6期 Vol.42 No.6



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

目次

化学·生活·社会

- 在解密“骗局”中推广化学科普知识 汪志慧 熊辉 刘芳 王文云 胡国志 龚跃法 (1)
- 毒品与化学 高洪泽 王维民 王永明 (7)
- 双发光 MOFs 的比率型传感和可视化检测应用 孙怡卿 尹学博 (13)

课程·教材·评价

- 新工科背景下通识教育类课程的教学模式探索——以材料导论课程为例 王雪红 陈健壮 支东彦 杨晓玲 唐颂超 庄启昕 (21)
- 基于应用型本科生创新能力培养的教学改革研究 张改清 蔡婷婷 (26)

理论教学

- “五位一体”混合式教学模式研究与实践——以无机与分析化学课程为例 梁爱萍 王月 丁晶 刘雷雷 张伟 (33)
- 角色代入法在“大学化学”教学中的实践 鹿现永 杜洋 (38)
- 新工科背景下分析化学中质量保证和质量控制的教学改革探究 刘秀红 王静岚 何海峰 林聪 (42)
- 分析化学线上教学的实践与思考 王文君 向灿辉 冯丽娟 孙智勇 尹田鹏 (49)

实验教学

- 最大泡压法测表面张力等温线的数据处理方法比较 司承运 韩永虎 李有政 李欣宇 伍雪 刘鑫悦 徐义斌 徐开俊 (55)
- 从化学实验竞赛探讨高校化学实验教学的改革和创新——第11届全国大学生化学实验邀请赛理论试题的解析与思考 郑琤 魏巧华 汤傲 游毅 (61)
- 基于云班课的物理化学开放性实验教学实践 肖厚贞 张军锋 林尤全 庾名槐 (65)
- 渗透实验装置的改进与研究 李彩云 (72)

教师教育

- 化学师范生 PCK 的发展研究——基于化学教学论课程 谢亮 姜言霞 (75)

职业教育

- 供给侧改革视角下高职院校生活化学实验的设计与教学实践 郑凌玲 王静 周爱菊 (83)

非化学专业化学教育

- 在垃圾分类中寻找化学元素——基于生活情境的探究性学习 黎卓熹 魏洁书 成燕琴 (88)
- 和医学相关有机化合物绿色鉴别实验的设计 姚秋丽 贾佳 王安俊 (94)

信息技术与化学

- 分子信息编程开放实验的设计与实践 江辰 陈明 (97)

调研报告

- 化学实验室安全教育实效研究——以大二学生为例 任笑红 范江洋 夏淑倩 李梦婷 王晓艳 (102)

化学史与化学史教育

- 从 VSEPR 模型到 LCP 模型：价层电子对互斥理论的形成与发展 袁振东 李孝婷 (107)

书评

- 高校实验室安全管理研究——评《高校实验室安全工作参考手册》 王晓艳 (113)

- 2021年《化学教育》订阅通知 (6)

- 封面图片 (2)

本期责任编辑 杨金瑞 齐娜

CHINESE JOURNAL OF CHEMICAL EDUCATION

2021 Vol. 42 No. 6

Sponsored by Chinese Chemical Society and Beijing Normal University

Chemistry-Life-Society

- Promoting the Knowledge of Chemical Science Popularization in Deciphering "Scam"
..... WANG Zhi-Hui XIONG Hui LIU Fang WANG Wen-Yun HU Guo-Zhi GONG Yue-Fa (1)
Drugs and Chemistry GAO Hong-Ze WANG Wei-Min WANG Yong-Ming (7)
MOFs with Dual-Emission for Ratiometric Sensing and Visible Detections SUN Yi-Qing YIN Xue-Bo (13)

Curriculum-Teaching Materials-Assessment

- Teaching Mode of General Education Courses Under the New Engineering Background: Taking the Course of Introduction to Materials as Example WANG Xue-Hong CHEN Jian-Zhuang ZHI Dong-Yan YANG Xiao-Ling TANG Song-Chao ZHUANG Qi-Xin (21)
Teaching Reform Based on the Cultivation of Innovative Ability of Application-Oriented Undergraduates ZHANG Gai-Qing CAI Ting-Ting (26)

Theory Teaching

- Research and Practice of "Five-in-One" Blended Teaching Mode for Inorganic and Analytical Chemistry LIANG Ai-Ping WANG Yue DING Jing LIU Lei-Lei ZHANG Wei (33)
Application of "Role of Identification" in Teaching University Chemistry LU Xian-Yong DU Yang (38)
Teaching Reform of Quality Assurance and Quality Control in Analytical Chemistry Under the Background of "New Subject" LIU Xiu-Hong WANG Jing-Lan HE Hai-Feng LIN Cong (42)
Practices and Thoughts About Online Teaching of Analytical Chemistry WANG Wen-Jun XIANG Can-Hui FENG Li-Juan SUN Zhi-Yong YIN Tian-Peng (49)

Experiment Teaching

- Comparison of Data Processing Methods in Bubble-Pressure Method for Measuring Surface Tension of Solutions SI Cheng-Yun HAN Yong-Hu LI You-Zheng LI Xin-Yu WU Xue LIU Xin-Yue XU Yi-Bin XU Kai-Jun (55)
Reform and Innovation of Chemical Experiment Teaching in Colleges and Universities from the Chemical Experiment Competition: Analysis and Thinking of Experimental Theories Test for the 11th National Undergraduate Chemistry Laboratory Tournament ZHENG Cheng WEI Qiao-Hua TANG Jing YOU Yi (61)
Practice of Open Experiment Teaching of Physical Chemistry Based on Moseley's Teach XIAO Hou-Zhen ZHANG Jun-Feng LIN You-Quan YU Ming-Huai (65)
Improvement and Research of Osmotic Device LI Cai-Yun (72)

Teacher Education

- Development Research of PCK for Pre-Service Chemistry Teachers Based on Chemistry Teaching Theory Course XIE Liang JIANG Yan-Xia (75)

Vocational Education

- Design and Teaching Practice on Life Chemistry Experiment in Higher Vocational College Based on Perspective of Supply-Front Reform ZHENG Ling-Ling WANG Jing ZHOU Ai-Ju (83)

Chemical Education for Non-Chemistry Majors

- Discovering Chemical Elements Through Garbage Classification: Inquiry-Based Learning with Everyday Context LI Zhuo-Xi WEI Jie-Shu CHENG Yan-Qin (88)
Design for Green Identification of Medical Related Organic Chemical Compounds YAO Qiu-Li JIA Jia WANG An-Jun (94)

Information Technology and Chemistry

- Design and Practice of Open Experiment of Basic Molecular Information Programming JIANG Chen CHEN Ming (97)

Investigation Report

- Investigation on the Real Effect of Safety Education on Chemistry Laboratory Taking Undergraduates of Grade 2 as Example REN Xiao-Hong FAN Jiang-Yang XIA Shu-Qian LI Meng-Ting WANG Xiao-Yan (102)

History of Chemistry and Chemical History Education

- From VSEPR Model to LCP Model: The Formation and Development of Valence Shell Electron Pair Repulsion Theory YUAN Zhen-Dong LI Xiao-Ting (107)

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)

2021年 第42卷 第6期 3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.chemsoc.org.cn

顾问 刘知新
主编 刘正平
副主编 姜雪峰 施展 孙世刚 王磊
王祖浩 杨屹 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 26.00元

CHINESE JOURNAL OF CHEMICAL EDUCATION

2021 Vol. 42 No. 6

Sponsored by Chinese Chemical Society and Beijing Normal University

Chemistry-Life-Society

- Promoting the Knowledge of Chemical Science Popularization in Deciphering "Scam"
..... WANG Zhi-Hui XIONG Hui LIU Fang WANG Wen-Yun HU Guo-Zhi GONG Yue-Fa (1)
Drugs and Chemistry GAO Hong-Ze WANG Wei-Min WANG Yong-Ming (7)
MOFs with Dual-Emission for Ratiometric Sensing and Visible Detections SUN Yi-Qing YIN Xue-Bo (13)

Curriculum-Teaching Materials-Assessment

- Teaching Mode of General Education Courses Under the New Engineering Background: Taking the Course of Introduction to Materials as Example WANG Xue-Hong CHEN Jian-Zhuang ZHI Dong-Yan YANG Xiao-Ling TANG Song-Chao ZHUANG Qi-Xin (21)
Teaching Reform Based on the Cultivation of Innovative Ability of Application-Oriented Undergraduates ZHANG Gai-Qing CAI Ting-Ting (26)

Theory Teaching

- Research and Practice of "Five-in-One" Blended Teaching Mode for Inorganic and Analytical Chemistry LIANG Ai-Ping WANG Yue DING Jing LIU Lei-Lei ZHANG Wei (33)
Application of "Role of Identification" in Teaching University Chemistry LU Xian-Yong DU Yang (38)
Teaching Reform of Quality Assurance and Quality Control in Analytical Chemistry Under the Background of "New Subject" LIU Xiu-Hong WANG Jing-Lan HE Hai-Feng LIN Cong (42)
Practices and Thoughts About Online Teaching of Analytical Chemistry WANG Wen-Jun XIANG Can-Hui FENG Li-Juan SUN Zhi-Yong YIN Tian-Peng (49)

Experiment Teaching

- Comparison of Data Processing Methods in Bubble-Pressure Method for Measuring Surface Tension of Solutions SI Cheng-Yun HAN Yong-Hu LI You-Zheng LI Xin-Yu WU Xue LIU Xin-Yue XU Yi-Bin XU Kai-Jun (55)
Reform and Innovation of Chemical Experiment Teaching in Colleges and Universities from the Chemical Experiment Competition: Analysis and Thinking of Experimental Theories Test for the 11th National Undergraduate Chemistry Laboratory Tournament ZHENG Cheng WEI Qiao-Hua TANG Jing YOU Yi (61)
Practice of Open Experiment Teaching of Physical Chemistry Based on Moseley's Teach XIAO Hou-Zhen ZHANG Jun-Feng LIN You-Quan YU Ming-Huai (65)
Improvement and Research of Osmotic Device LI Cai-Yun (72)

Teacher Education

- Development Research of PCK for Pre-Service Chemistry Teachers Based on Chemistry Teaching Theory Course XIE Liang JIANG Yan-Xia (75)

Vocational Education

- Design and Teaching Practice on Life Chemistry Experiment in Higher Vocational College Based on Perspective of Supply-Front Reform ZHENG Ling-Ling WANG Jing ZHOU Ai-Ju (83)

Chemical Education for Non-Chemistry Majors

- Discovering Chemical Elements Through Garbage Classification: Inquiry-Based Learning with Everyday Context LI Zhuo-Xi WEI Jie-Shu CHENG Yan-Qin (88)
Design for Green Identification of Medical Related Organic Chemical Compounds YAO Qiu-Li JIA Jia WANG An-Jun (94)

Information Technology and Chemistry

- Design and Practice of Open Experiment of Basic Molecular Information Programming JIANG Chen CHEN Ming (97)

Investigation Report

- Investigation on the Real Effect of Safety Education on Chemistry Laboratory Taking Undergraduates of Grade 2 as Example REN Xiao-Hong FAN Jiang-Yang XIA Shu-Qian LI Meng-Ting WANG Xiao-Yan (102)

History of Chemistry and Chemical History Education

- From VSEPR Model to LCP Model: The Formation and Development of Valence Shell Electron Pair Repulsion Theory YUAN Zhen-Dong LI Xiao-Ting (107)

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)

2021年 第42卷 第6期 3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.chemsoc.org.cn

顾问 刘知新
主编 刘正平
副主编 姜雪峰 施展 孙世刚 王磊
王祖浩 杨屹 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 26.00元