

全国中文核心期刊
美国化学文摘 (CA) 收录源期刊

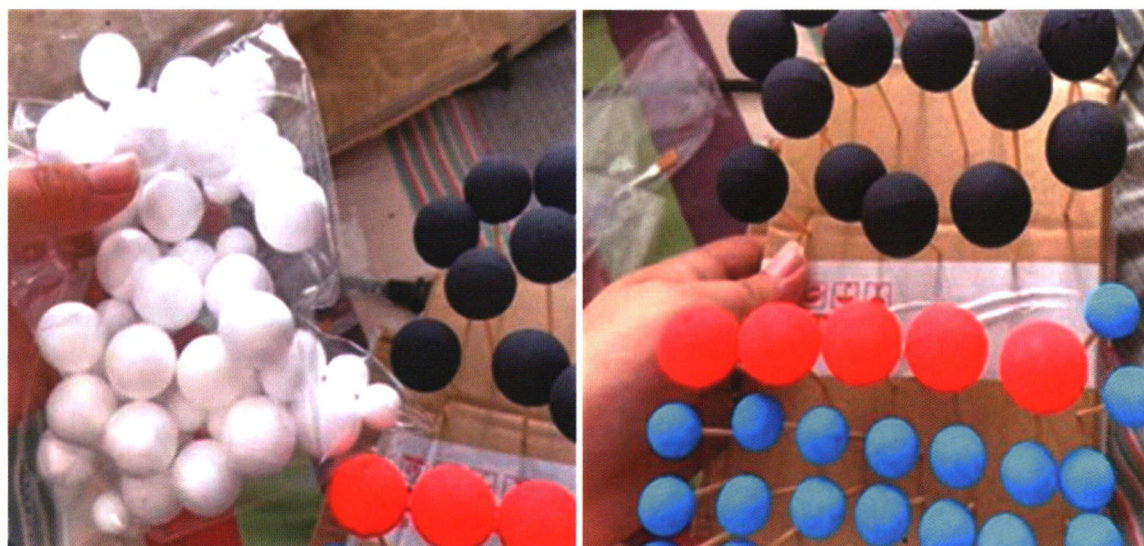


QK2205759 L003-3807
J-1515/O6

化学教育 (中英文)

Chinese Journal of Chemical Education

2022年 第43卷 第2期 Vol.43 No.2



邮发代号: 2-106

ISSN 1003-3807



9 771003 380222 02
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

解析生物学相关的诺贝尔化学奖 代莉莉 周平 (1)

非金属元素硒的同素异形体 顾泉 籍文娟 魏灵灵 翟全国 曹睿 高胜利 (8)

课程·教材·评价

高分子研究方法课程的教学改进研究 王艳 赵成吉 (27)

理论教学

高分子化学专业课程线上线下混合教学模式探索——以逐步聚合反应为例

..... 史作森 林权 郭玉鹏 崔占臣 张恺 宋文龙 刘轶 刘堃 张皓 张俊虎 (30)

无机化学教学中以金课标准提升学生创新思维——以形状记忆合金材料教学为例 杜新帅 王宇 李海秋 (36)

结合PBL课例的无机化学线下对分课堂教学设计与实践 张霞 韩义德 王锦霞 桑晓光 孟皓 (40)

“分子三维模型制作”劳动技能课线上线下混合式教学设计与实践 李光跃 赵硕 刘栋 张会宜 孙晓然 (45)

自拟试题在物理化学课程学习中的实践探索 邢双喜 张素铭 周仕东 (51)

“互联网+”时代下雨课堂在现代仪器分析课程教学中的实践与探索 李芳 吴祥 李冰 李有桂 (57)

实验教学

基于建构主义理论的有机化学实验混合式教学设计与实践 边磊 李田 关玲 徐烜峰 张奇涵 (64)

从不同方法合成的金属有机框架到压制的塑性晶体谈择优取向 贾旭 任崇婷 宓锦校 黄小荣 罗江水 (69)

根皮苷B-Z振荡电化学指纹图谱教学实验设计

..... 司承运 钱燕芳 袁文慧 张汶彦 周雨欣 李鸿 李佳惠 徐开俊 (77)

职业教育

药物化学远程混合式教学模式的构建与实践 袁惠卿 惠捷 刘浩宇 (83)

非化学专业化学教育

化学制药工艺学在线教学实践与思考 李小丽 李斌 王海先 张乐 (90)

药物化学课程全英文教学的探索与实践 周伟 郭婷 (96)

研究生教育

毛细管电色谱教学中的“科研反哺” 唐安娜 王恪 (101)

信息技术与化学

计算化学在正丁醚制备实验教学中的应用 柏一慧 贾似蕬 王艺璇 朱钢国 吕新 黄鑫 彭勃 (107)

调研报告

化学化工类一流课程建设现状与展望——基于首批国家级一流本科课程的研究 余大品 (114)

问题讨论与思考

直链化合物中 α -手性碳对羰基亲核加成立体选择性的影响 沈奇 续佳狮 陈晓丹 (120)

混合酸、多元酸滴定的教学探讨 陈冬年 (125)

2022年《化学教育》订阅通知 (100)

封面图片 (48)

本期责任编辑 齐娜 杨金瑞

万方数据

CHINESE JOURNAL OF CHEMICAL EDUCATION

2022 Vol. 43 No. 2

Sponsored by Chinese Chemical Society and Beijing Normal University

Chemistry-Life-Society

- Discussions on the Bio-Related Nobel Prizes in Chemistry DAI Li-Li ZHOU Ping (1)
Allotropes of Nonmetallic Element Selenium
..... GU Quan JI Wen-Juan WEI Ling-Ling ZHAI Quan-Guo CAO Rui GAO Sheng-Li (8)

Curriculum-Teaching Materials-Assessment

- Teaching Reform in Research Methods of Polymer Materials WANG Yan ZHAO Cheng-Ji (27)

Theory Teaching

- Exploration of Online-Offline Teaching Mode of Polymer Chemistry Based on Condensation Polymerization
..... SHI Zuo-Sen LIN Quan GUO Yu-Peng CUI Zhan-Chen ZHANG Kai SONG Wen-Long LIU Yi
LIU Kun ZHANG Hao ZHANG Jun-Hu (30)
Using Gold Classes Standard to Improve Students' Innovative Thinking in Inorganic Chemistry Teaching; Case Study of Shape
Memory Alloy Materials DU Xin-Shuai WANG Yu LI Hai-Qiu (36)
Design and Practice of Inorganic Chemistry Teaching by Integrating Split Class Mode and PBL Project
..... ZHANG Xia HAN Yi-De WANG Jin-Xia SANG Xiao-Guang MENG Hao (40)
Online-Offline Blended Teaching Design and Practice of Labor Skill Course of 3D Modeling of Molecules
..... LI Guang-Yue ZHAO Shuo LIU Dong ZHANG Hui-Yi SUN Xiao-Ran (45)
Practice Exploration of Student-Self-Designed-Tests on the Learning of Physical Chemistry
..... XING Shuang-Xi ZHANG Su-Ming ZHOU Shi-Dong (51)
Application and Exploration of Rain Classroom in Modern Instrumental Analysis Course Teaching Under "Internet Plus" Back-
ground LI Fang WU Xiang LI Bing LI You-Gui (57)

Experiment Teaching

- Design and Practice of Organic Chemistry Experiment Blended Teaching Based on Constructivism
..... BIAN Lei LI Tian GUAN Ling XU Xuan-Feng ZHANG Qi-Han (64)
Discussion on Preferred Orientation; from Metal-Organic Frameworks Synthesized by Different Methods to Pressed Plastic
Crystals JIA Xu REN Chong-Ting MI Jin-Xiao HUANG Xiao-Ying LUO Jiang-Shui (69)
Education Experiment Design of B-Z Oscillating Electrochemical Fingerprint of Phloridzin SI Cheng-Yun
QIAN Yan-Fang YUAN Wen-Hui ZHANG Wen-Yan ZHOU Yu-Xin LI Hong LI Jia-Hui XU Kai-Jun (77)

Vocational Education

- Construction and Practice of Distance Hybrid Teaching Mode of Medicinal Chemistry
..... YUAN Hui-Qing HUI Jie LIU Hao-Yu (83)

Chemical Education for Non-Chemistry Majors

- Practice and Thinking of Online Teaching of Chemical Pharmaceutical Technology
..... LI Xiao-Li LI Bin WANG Hai-Xian ZHANG Le (90)
Exploration and Practice in All-English Teaching of Medicinal Chemistry ZHOU Wei GUO Ting (96)

Postgraduate Education

- "Research Feedback Teaching" in Capillary Electrochromatography Teaching TANG An-Na WANG Ke (101)

Information Technology and Chemistry

- Application of Computational Chemistry in the Teaching on the laboratory Experiment of the Preparation of Dibutyl Ether ...
..... BAI Yi-Hui JIA Si-Miao WANG Yi-Xuan ZHU Gang-Guo LV Xin HUANG Xin PENG Bo (107)

Investigation Report

- Status and Prospect of the Top-class Courses for Chemistry and Chemical Engineering; Study on the First National Top-class
Undergraduate Courses YU Da-Pin (114)

Discussion and Thinking of Questions

- Stereoselectivity in the Nucleophile Addition of Acyclic α -Chiral Carbonyl Compounds
..... SHEN Qi XU Jia-Shi CHEN Xiao-Dan (120)
Teaching Reflection on Titration of Mixed Acids and Titration of Polyacid CHEN Dong-Nian (125)

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)
2022年 第43卷 第2期 1月18日出版

主管单位	中国科学技术协会	顾问	刘知新
主办单位	中国化学会 北京师范大学	主编	刘正平
编辑出版	《化学教育(中英文)》编辑部	副主编	姜雪峰 施展 孙世刚 王磊
编辑部地址	北京师范大学化学楼217室		王祖浩 杨屹 郑长龙 朱玉军(专职)
邮政编码	100875	刊名题字	戴安邦
电话(传真)	010-58807875	印刷装订	保定市海天印务有限公司
咨询信箱	hxjy-jce@263.net	总发行处	中国邮政集团公司北京市报刊发行局
投稿网址	http://www.hxjy.chemsoc.org.cn	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 36.00元

CHINESE JOURNAL OF CHEMICAL EDUCATION

2022 Vol. 43 No. 2

Sponsored by Chinese Chemical Society and Beijing Normal University

Chemistry-Life-Society

- Discussions on the Bio-Related Nobel Prizes in Chemistry DAI Li-Li ZHOU Ping (1)
Allotropes of Nonmetallic Element Selenium
..... GU Quan JI Wen-Juan WEI Ling-Ling ZHAI Quan-Guo CAO Rui GAO Sheng-Li (8)

Curriculum-Teaching Materials-Assessment

- Teaching Reform in Research Methods of Polymer Materials WANG Yan ZHAO Cheng-Ji (27)

Theory Teaching

- Exploration of Online-Offline Teaching Mode of Polymer Chemistry Based on Condensation Polymerization
..... SHI Zuo-Sen LIN Quan GUO Yu-Peng CUI Zhan-Chen ZHANG Kai SONG Wen-Long LIU Yi
LIU Kun ZHANG Hao ZHANG Jun-Hu (30)
Using Gold Classes Standard to Improve Students' Innovative Thinking in Inorganic Chemistry Teaching; Case Study of Shape
Memory Alloy Materials DU Xin-Shuai WANG Yu LI Hai-Qiu (36)
Design and Practice of Inorganic Chemistry Teaching by Integrating Split Class Mode and PBL Project
..... ZHANG Xia HAN Yi-De WANG Jin-Xia SANG Xiao-Guang MENG Hao (40)
Online-Offline Blended Teaching Design and Practice of Labor Skill Course of 3D Modeling of Molecules
..... LI Guang-Yue ZHAO Shuo LIU Dong ZHANG Hui-Yi SUN Xiao-Ran (45)
Practice Exploration of Student-Self-Designed-Tests on the Learning of Physical Chemistry
..... XING Shuang-Xi ZHANG Su-Ming ZHOU Shi-Dong (51)
Application and Exploration of Rain Classroom in Modern Instrumental Analysis Course Teaching Under "Internet Plus" Back-
ground LI Fang WU Xiang LI Bing LI You-Gui (57)

Experiment Teaching

- Design and Practice of Organic Chemistry Experiment Blended Teaching Based on Constructivism
..... BIAN Lei LI Tian GUAN Ling XU Xuan-Feng ZHANG Qi-Han (64)
Discussion on Preferred Orientation; from Metal-Organic Frameworks Synthesized by Different Methods to Pressed Plastic
Crystals JIA Xu REN Chong-Ting MI Jin-Xiao HUANG Xiao-Ying LUO Jiang-Shui (69)
Education Experiment Design of B-Z Oscillating Electrochemical Fingerprint of Phloridzin SI Cheng-Yun
QIAN Yan-Fang YUAN Wen-Hui ZHANG Wen-Yan ZHOU Yu-Xin LI Hong LI Jia-Hui XU Kai-Jun (77)

Vocational Education

- Construction and Practice of Distance Hybrid Teaching Mode of Medicinal Chemistry
..... YUAN Hui-Qing HUI Jie LIU Hao-Yu (83)

Chemical Education for Non-Chemistry Majors

- Practice and Thinking of Online Teaching of Chemical Pharmaceutical Technology
..... LI Xiao-Li LI Bin WANG Hai-Xian ZHANG Le (90)
Exploration and Practice in All-English Teaching of Medicinal Chemistry ZHOU Wei GUO Ting (96)

Postgraduate Education

- "Research Feedback Teaching" in Capillary Electrochromatography Teaching TANG An-Na WANG Ke (101)

Information Technology and Chemistry

- Application of Computational Chemistry in the Teaching on the laboratory Experiment of the Preparation of Dibutyl Ether ...
..... BAI Yi-Hui JIA Si-Miao WANG Yi-Xuan ZHU Gang-Guo LV Xin HUANG Xin PENG Bo (107)

Investigation Report

- Status and Prospect of the Top-class Courses for Chemistry and Chemical Engineering; Study on the First National Top-class
Undergraduate Courses YU Da-Pin (114)

Discussion and Thinking of Questions

- Stereoselectivity in the Nucleophile Addition of Acyclic α -Chiral Carbonyl Compounds
..... SHEN Qi XU Jia-Shi CHEN Xiao-Dan (120)
Teaching Reflection on Titration of Mixed Acids and Titration of Polyacid CHEN Dong-Nian (125)

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)
2022年 第43卷 第2期 1月18日出版

主管单位	中国科学技术协会	顾问	刘知新
主办单位	中国化学会 北京师范大学	主编	刘正平
编辑出版	《化学教育(中英文)》编辑部	副主编	姜雪峰 施展 孙世刚 王磊
编辑部地址	北京师范大学化学楼217室		王祖浩 杨屹 郑长龙 朱玉军(专职)
邮政编码	100875	刊名题字	戴安邦
电话(传真)	010-58807875	印刷装订	保定市海天印务有限公司
咨询信箱	hxjy-jce@263.net	总发行处	中国邮政集团公司北京市报刊发行局
投稿网址	http://www.hxjy.chemsoc.org.cn	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 36.00元