

- 化学类中文核心期刊
- 中国科学引文数据库统计源刊
- 中国学术期刊综合评价数据库统计源刊
- 中国期刊全文数据库全文收录期刊
- 中国科技论文统计源刊 (中国科技核心期刊)

- 美国《化学文摘》(CA)收录期刊
- 《Ulrich Directory》收录期刊
- 《中国化工文摘》收录期刊
- 《中国药学文摘》收录期刊

ISSN 1004-1656 CN 51-1378/O6

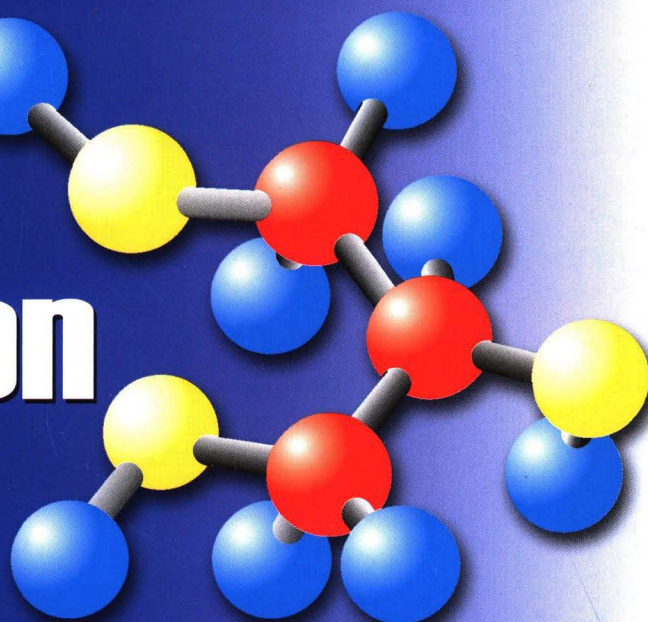


QK1904108

化学研究与应用

H U A X U E Y A N J I U Y U Y I N G Y O N G

Chemical Research and Application



ISSN 1004-1656



9 771004 165194

万方数据

第31卷

2019

2

化学研究与应用

2019年(第31卷)第2期

目 次

评论与综述

- 新型阳离子脂质体制备及应用研究 华雪莲,张树彪,肖 义,张明兴,华德海,海 华 (177)
QuEChERS 方法及其在法庭科学中的应用进展 李 超,王继芬,彭山珊,徐多麒,何 亚 (184)

研究论文

- 髓细胞白血病因子-1 抑制剂的三维定量构效关系研究 李 静,邓雅庭,王俊伟,王 娟,林治华 (192)
一种基于咪唑-咪唑蓝色荧光材料的合成及性能研究 彭化南,郑大贵,陈 熙,韩耀静,吴丽丹,杨彦春 (203)
HKUST-1 的制备及其在化学固定二氧化碳中的应用 欧 沙,杨昌云,王 茜 (208)
用作 pH 传感器的偶氮水杨醛吡嗪的合成及其阴离子识别研究 刘 伟,张金生,杨 媛,王 军 (213)
类丹皮酚的结构修饰与在模拟体液中的稳定性考察和抗炎症活性研究 胡丁旺,方权辉,彭永练,林友文,陈莉敏 (219)
瓜环和金属改性的硫化镉光催化性质 熊 霞,赵安婷,李应维,王 羽,龙彤彤,吴 杰 (225)
响应面法优化蒙药瞿麦中总生物碱提取工艺研究
..... 马 岚,王来兵,杜晓鹏,王 敏,李 冰,陈建平,白文明,钮松召,岳锦瑞,郭晓宇 (232)
MX2 型二维半导体载流子迁移率理论预测 何远德,黄志硕,覃检涛,张文旭 (239)
钼催化的三元级联反应合成 3-烯基-2-氨基喹啉及其衍生物 刘 英,曹康平,詹 维,孙 建 (247)
巴戟天中蒽醌类成分的提取工艺研究 李彦景,王小红,付云芝 (255)
基于 Au-MoS₂ 和 hemin 的双酚 A 电化学适配体传感器研究 姜梦凡,康天放,鲁理平 (261)
青翘清热解毒活性组分及成分筛选 马丽莎,高锦国,张立伟 (271)
航空煤油裂解产物燃烧机理构建与动力学模拟 刘明夏,谈宁馨,王静波 (278)
壳聚糖和普朗尼克介导猪白细胞介素-23 基因体内表达对 PRRSV 疫苗的免疫增强效应
..... 彭俊杰,肖永乐,熊太特,邓定浩,高雨含,彭宇量,李江凌,王泽洲,吕学斌,高 荣 (283)
二元醇水溶液性质与喷射性能研究 王兆峰,房宽峻,谢汝义,唐志远 (290)

研究简报

- 大豆异黄酮 7-O-2-乙酰氨基-2-脱氧-β-D-吡喃葡萄糖苷的合成
..... 朱丹丹,陈 静,杨棕楠,滕文琪,刘高峰,曹志凌 (295)
稳定烯醇结构 3-氯-2-羟基-4-羰基-4-对甲苯基-2-丁烯酸乙酯的合成
..... 徐泽刚,王 伦,李秉擘,宁斌科,王月梅,卫天琪,杨翠凤 (299)
固体酸 SO₄²⁻/SiO₂-TiO₂ 催化合成乙酰水杨酸研究 陈 桂,梁春华,胡扬剑,肖雅婷 (303)
四甲基吡嗪衍生物的合成及抗肿瘤活性研究 谢国权,梁昕彤,张文先,罗国林,廖冉欣,张 翕,张 超 (308)
不对称大环双核铜配合物的合成,性质及抗菌活性 刘 焕,刘 郁,张雪梅,潘志权,高 娟 (314)
核磁共振波谱法测定依非韦伦含量 崔晓鸽,杨金枝,陈晓峰,郝海军 (320)
甲基丙烯酸接枝纳米纤维素水凝胶的制备及吸附性能研究 朱俊芳,杨嵘晟,冯树波 (325)
配体对铈化合物催化苯甲醇氧化性能的影响 刘晟波,李 理,袁福根 (332)
D-A 吡啉衍生物结构和光谱性质的理论研究 许丽艳,孙迎凯,郭生伟,王晓蓉,王金金,马志民,汪 彬 (337)
PbO 掺杂对 (Ba_{0.85}Ca_{0.15})(Zr_{0.10}Ti_{0.90})O₃ 陶瓷电学性能的影响研究 王晓芳,刘 静 (342)
以地沟油为原料的粘土稳定剂的制备及性能 赵 阳,苗宗成,栗小龙,郭 锟,陈 晗,王 颖 (347)
玫瑰精 B 褪色分光光度法测定氨基曲南 吴小燕,江 虹 (351)
5-噻啶基 1,2,4-噁二唑化合物的合成及抗菌活性研究 吴文能,费 强,王 瑞,欧阳贵平 (355)
小孔径泡沫状介孔二氧化硅的制备 万 龙,刘 瞳,姜明燕 (361)

新技术与应用

- 伐瑞拉迪合成工艺改进 朱周静,林联君,贤少赞 (365)

中文目次(封2) 英文目次(封3)

期刊基本参数:CN 51-1378/O6 * 1989 * b * 16 * 192 * zh+en * P * ¥10.00 * 1250 * 32 * 2019-02

CHEMICAL RESEARCH AND APPLICATION

Vol. 31 NO.2 Feb 2019 Monthly

Contents

Reviews and Summary Accounts

- Research progress in the preparation of new cationic liposome and its application HUA Xue-lian, ZHANG Shu-biao, XIAO Yi, ZHANG Ming-xing, HUA De-hai, HAI Hua (177)
- QuEChERS method and its application in forensic science LI Chao, WANG Ji-fen, PENG Shan-shan, XU Duo-qi, HE Ya (184)

Academic Papers

- Three dimensional quantitative structure-activity relationship study of Mcl-1 inhibitors LI Jing, DENG Ya-ting, WANG Jun-wei, WANG Juan, LIN Zhi-hua (192)
- Synthesis and properties of a blue fluorescent material based on imidazole and carbazole PENG Hua-nan, ZHENG Da-gui, CHEN Xi, HAN Yao-jing, WU Li-dan, YANG Yan-chun (203)
- Synthesis of HKUST-1 and application in chemically fixed carbon dioxide OU Sha, YANG Chang-Yun, WANG Xi (208)
- Study on synthesis and anion recognition based on azo salicylaldehyde pH sensor ... LIU Wei, ZHANG Jin-sheng, YANG Yuan, WANG Jun (213)
- Structural modifications of paeonol and its analogs, and their stability in the simulated body fluids and anti-inflammatory activity HU Ding-wang, FANG Quan-hui, PENG Yong-lian, LIN You-wen, CHEN Li-min (219)
- Photocatalytic properties of cadmium sulfide modified by cucurbit[6]urils and metal XIONG Xia, ZHAO An-ting, LI Ying-wei, WANG Yu, LONG Tong-tong, WU Jie (225)
- Optimization of ultrasonic extraction progress of total alkaloid from Mongolian medicine dianthus superbus L. using response surface method MA Lan, WANG Lai-bing, DU Xiao-li, WANG Min, LI Bing, CHEN Jian-ping, BAI Wen-ming, NIU Song-zhao, YUE Jing-rui, GUO Xiao-yu (232)
- The upper limit of electron and hole mobilities in two dimensional MX₂ semiconductors HE Yuan-de, HUANG Zhi-suo, QIN Jian-tao, ZHNA Wen-xu (239)
- Palladium-catalyzed three-component cascade reactions to synthesize 3-alkenyl-2-aminoquinolines and its derivatives LIU Ying, CAO Kang-ping, ZHAN Wei, SUN Jian (247)
- Study on extraction technology of anthraquinones in merinda officinalis LI Yan-jing, WANG Xiao-hong, FU Yun-zhi (255)
- Study on bisphenol A electrochemical aptasensor based on Au-MoS₂ and hemin JIANG Meng-fan, KANG Tian-fang, LU Li-ping (261)
- Screening for active components of heat-clearing and detoxifying from green fructus forsythiae ... MA Li-sha, GAO Jin-guo, ZHANG Li-wei (271)
- Mechanism construction and kinetic simulation for the combustion of cracked kerosene LIU Ming-xia, TAN Ning-xin, WANG Jing-bo (278)
- Enhancement of immune responses to PRRSV vaccine by in vivo expression of porcine IL-23 gene mediated by Chitosan and Pluronic PENG Jun-jie, XIAO Yong-le, XIONG Tai-te, DENG Ding-hao, GAO Yu-han, PENG Yu-liang, LI Jiang-ling, WANG Ze-zhou, LU Xue-bin, GAO Rong (283)
- Investigation on properties and jetting performance of divalent alcohol aqueous solution WANG Zhao-feng, FANG Kuan-jun, XIE Ru-yi, TANG Zhi-yuan (290)

Research Notes

- Synthesis of 7-O-2-acetylamino-2-deoxy-β-D-glucopyranose-daidzein ZHU Dan-dan, CHEN Jing, YANG Zong-nan, TENG Wen-qi, LIU Gao-feng, CAO Zhi-ling (295)
- Synthesis of the stable enol ethyl 3-chloro-2-hydroxy-4-oxo-4-(p-tolyl)but-2-enoate XU Ze-gang, WANG Lun, LI Bing-bo, NING Bin-ke, WANG Yue-mei, WEI Tian-qi, YANG Cui-feng (299)
- Synthesis of acetylsalicylic acid catalyzed by solid acid SO₄²⁻/SiO₂-TiO₂ CHEN Gui, LIANG Chun-hua, HU Yang-jian, XIAO Ya-ting (303)
- Study on synthesis and anti-tumor activities of ligustrazine derivatives XIE Guo-quan, LIANG Xin-tong, ZHANG Wen-xian, LUO Guo-lin, LIAO Ran-xin, ZHANG Xi, ZHANG Chao (308)
- Synthesis, properties and antibacterial activities of asymmetric dinuclear copper(II) macrocyclic complex LIU Huan, LIU Yu, ZHANG Xue-mei, PAN Zhi-quan, GAO Juan (314)
- Determination of efavirenz by quantitative nuclear magnetic resonance CUI Xiao-ge, YANG Jin-zhi, CHEN Xiao-feng, HAO Hai-jun (320)
- Preparation and adsorption properties of methacrylic acid grafted nano cellulose hydrogel ZHU Jun-fang, YANG Rong-sheng, FENG Shu-bo (325)
- Effect of ligand on catalytic property of cerium compounds for benzyl alcohol oxidation LIU Sheng-bo, LI Li, YUAN Fu-gen (332)
- Theoretical investigation on the structural and spectroscopic properties of D-A porphyrin derivatives XU Li-yan, SUN Ying-kai, GUO Sheng-wei, WANG Xiao-rong, WANG Jin-jin, MA Zhi-min, WANG Bin (337)
- Research on the electrical performances of BCZT ceramics with PbO doping WANG Xiao-fang, LIU Jing (342)
- Preparation and properties of clay stabilizer with waste oil as raw material ZHAO Yang, MIAO Zong-cheng, LI Xiao-long, GUO Kun, CHEN Han, WANG Ying (347)
- Determination of aztreonam by fading spectrophotometry with rhodamine B WU Xiao-yan, JIANG Hong (351)
- Synthesis and fungicidal activity of 5-pyrimidine-1,2,4-oxadiazole derivatives WU Wen-neng, FEI Qiang, WANG Rui, OUYANG Gui-ping (355)
- Preparation of mesocellular foam silica with small pore size WAN Long, LIU Tong, JIANG Ming-yan (361)

New Techniques and Application

- Improved synthesis of varespladib ZHU Zhou-jing, LIN Lian-jun, XIAN Shao-yun (365)

《化学研究与应用》编委会名单(以姓氏笔划为序)
Editorial Committees of Chemical Research and Application

顾问(Advisory Board):

万惠霖(WAN Hui-lin) 朱清时(ZHU Qing-shi) 赵玉芬(ZHAO Yu-fen) 陈永康(CHEN Yong-kang)
陈洪渊(CHEN Hong-yuan) 陈凯先(CHEN Kai xian) 黄本立(HUANG Ben -li) 黄志镗(HUANG Zhi-tang)
黎乐民(LI Le-ming)

主任委员(Editor-in Chief):

余孝其(YU Xiao-qi)

常务委员(Standing Editorial Board):

王树梅(WANG Shu-mei) 冯孝庭(FENG Xiao-ting) 李方(LI Fang) 李瑛(LI Ying)
陈天朗(CHEN Tian-lang) 肖慎修(XIAO Shen-xiu) 陈德本(CHEN De-ben) 罗美明(LUO Mei-ming)
侯贤灯(HOU Xian-deng) 胡常伟(HU Chang-wei) 彭宇行(PENG Yu-xing) 谢代前(XIE Dai-qian)

委员(Members of the Committee):

万家义(WAN Jia-yi) 义祥辉(YI Xiang-hui) 王天书(WANG Tian-shu) 田安民(TIAN An-min)
史启祯(SHI Qi-zhen) 李贤均(LI Xian-jun) 李俊(LI Jun) 沈孟长(SHEN Meng-chang)
陈耀强(CHEN Yao-qiang) 苟少华(Gou Shao-hua) 周忠远(Zhou Zhong-yuan) 张朝平(ZHANG Chao-ping)
赵仕林(ZHAO Shi-lin) 谢如刚(XIE Ru-gang) 龚兵(GONG Bing) 郑怀礼(ZHENG Huai-li)
徐昕(XU Xin) 康北笙(KANG Bei-sheng) 蒲林(Pu Lin) 程震(CHENG Zhen)
陶长元(TAO Chang-yuan)

《化学研究与应用》编辑部名单

Editorial Board of Chemical Research and Application

主编(Editor-in-Chief):

胡常伟(Hu Chang-wei)

常务副主编(Deputy Editor-in Chief):

李瑛(LI Ying)

编辑部主任(Head of Editorial Board):

李瑛(LI Ying)

编辑部副主任(Associate Head of Editorial Board):

潘汀(PAN Ting)

责任编辑(Assistants of Editors):

李方(LI Fang) 罗娟(LUO Juan) 钟安永(ZHONG An-yong)
童冬梅(TONG Dong-mei) 曾红梅(ZENG Hong-mei)

化学研究与应用

Chemical Research
and Application

(Monthly)

(月刊)

第31卷第2期 2019年2月

Vol. 31 No. 2 Feb. 2019

主管单位:四川省科学技术协会
主办单位:四川省化学化工学会 四川大学
编辑出版:《化学研究与应用》编辑部
主编:胡常伟
印刷:四川新恒川印务中心
国内总发行:四川省报刊发行局
国外总发行:中国国际图书贸易总公司
(北京399信箱)
国内邮发代号62-180
国外发行代号BM 4320

Be Responsible for :Sichuan Association for
Science and Technology
Sponsored by :Sichuan Chemical and Chemical
Engineering Society, Sichuan
University
Edited and Published by:
Editorial Board of Chemical
Research and Application
Editor in Chief :HU Chang-wei
Distributed by :China International Book
Trading Corporation
(P. O. Box 399 Beijing, China)

刊号: ISSN 1004—1656
CN51—1378/O6

订购处:全国各地邮局 本刊编辑部
发行范围:国内外公开发行

国内定价:每册10.00元