

# 化学研究与应用

## 2018年(第30卷)第11期

### 目 次

#### 评论与综述

- 亚碘酰苯化合物的制备与应用 ..... 孟令普,宋慧颖,李木子,梁晓晨,魏杏杏,周德军 (1745)
- 聚对二氧环己酮的应用研究进展 ..... 贾挺挺,陈思琪,郭敏杰 (1751)

#### 研究论文

- 氨基西林分子印迹材料的制备及应用 ..... 苏立强,尤 嘉,张慧洁 (1757)
- 氨基修饰石墨烯量子点的制备及应用研究 ..... 刘玉星,罗 倩,孙志鹏,刘玉梅 (1763)
- 应用超滤液相色谱技术筛选中药抑制磷酸二酯酶4 活性成分 ..... 谢 静,李 博,滕 飞,李 丽 (1768)
- 表面活性剂复合体系提高原油采收率研究 ..... 吕 鹏 (1774)
- 一种松香基被膜剂的制备及果蔬保鲜性能初探 ..... 高 宏,许嘉琰,姚妹凤,商士斌,宋湛谦 (1779)
- 红酒多酚稳定性研究及美白功效评价 ..... 黄 荣,伍 晴,傅小红 (1786)
- 低铂催化剂 Pd@ Pt/C 及 PdPt@ Pt/C 在燃料电池中的应用 ..... 吴燕妮,胡 鹏,植中强,李顺华,林育群,邓文源 (1792)
- Zn 掺杂对量子点 Cd<sub>6</sub>Se<sub>6</sub> 及其配合物 Cd<sub>6</sub>Se<sub>6</sub>-(OPMe<sub>3</sub>)<sub>6</sub> 结构和性质影响的密度泛函理论研究 ..... 余盛萍,黄德林,黄兴隆 (1798)
- P(AA-co-AMPS)/DME 复合材料的制备及其对 Cd<sup>2+</sup> 的吸附行为 ..... 龚 伟,李美兰,雷小飞,梁 彤,王 兴,刘白玲 (1804)
- 三种瓜环与药物乙酰胆碱的主客体相互作用 ..... 孟铁宏,李春荣,卢季红,肖 昕 (1812)
- (S)-1-[2-(3-羟基金刚烷-1-氨基)乙酰基]吡咯烷-2-甲酰胺的合成 ..... 李毓飞,张 明,张 豪,廖 琦,边熙霏,王天宝,胡湘南 (1818)
- 4-甲基-2-芳基(杂环基)-5-(4,5-二氢噻唑-2-基)-1,3 噻唑的绿色合成及生物活性 ..... 唐丽娟,曹志凌,史大华,王 建,刘玮炜 (1824)
- 磺酸功能化胆碱催化合成 14-芳基-14H-二苯并[*a,j*]氧杂蒽衍生物 ..... 王英磊,杜朝军,叶红勇,李入林 (1830)
- 氮掺杂石墨烯分散固相萃取-火焰原子吸收光谱法测定水样中痕量铜 ..... 甄亚斐,贾鸿瑞,梁 军,韩仁杰,董权权,任 莉,马晓艳 (1836)
- 氮磷共掺杂碳点的合成及其对 Co<sup>2+</sup> 的检测 ..... 石 佳,奥美珍,马媛媛,李迎利 (1843)
- 纳米锌/对氨基苯磺酸/环氧树脂涂层的阻燃性能研究 ..... 郑炳云,敖华和,黄明真,王振辉,杨 磊 (1850)

#### 研究简报

- 曲克芦丁对发光碳量子点的荧光猝灭作用 ..... 孙雪花,李 浩,杨娇莉,柴红梅,高楼军 (1857)
- 钛基金属氧化物电极制备及降解甲基橙研究 ..... 侯俭秋,李碧方 (1861)
- 度鲁特韦的合成工艺优化研究 ..... 王先恒,赵长阔,郭伟航,周亦琪,徐 浪 (1865)
- 水相中 Cu<sup>2+</sup>/脯氨酸锂微波辅助合成吡咯[1,2-*a*]喹啉衍生物的研究 ..... 林 晨,林小燕,张 鹏,许建华,柯 方 (1871)
- 阿托伐他汀关键中间体 L1 二胺杂质的合成及结构鉴定 ..... 曾其炆,陈宇璞,虞宇航,郭 巍,艾 林 (1877)
- 对苯二甲酰双己内酰胺的合成与表征 ..... 宋文生,许邵帅,李 迪,李 平 (1882)
- 2-(3,3-二甲基双环[2.2.1]庚-2-亚基)乙醛肟的合成 ..... 黄 静,鲍 涵,徐 铭,张 硕,罗金岳,刘祖广 (1886)
- 新型脱氧胆酸 1,2,4,3-唑席夫碱类化合物的微波合成及其抗菌活性研究 ..... 刘兴利,石治川,赵志刚,李 晖,王晓红 (1892)
- 红枣碳量子点荧光探针的制备及对食品中赖氨酸的检测 ..... 李志英,李 洋 (1902)
- 厚朴抗鼻炎提取物的工艺优化及其活性评价 ..... 陈小涛,徐 娉,郭金凤,李 羿 (1908)
- HTlc-SO<sub>4</sub>-CO<sub>3</sub>-I 晶须的合成及其结构分析 ..... 吴健松,蓝晓欣,魏文君 (1913)

#### 新技术与应用

- 免疫亲和结合超高效液相色谱-串联质谱法测定花生酱中黄曲霉毒素 B<sub>1</sub>、B<sub>2</sub>、G<sub>1</sub>、G<sub>2</sub> ..... 焦慧泽,陆世清,洪体玉 (1918)
- 三辛基甲基氯化铵、异戊醇、磷酸三丁酯对含钛原料酸浸液中盐酸的萃取 ..... 毛雪华 (1924)

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 \* 184 \* zh+en \* P \* ¥10.00 \* 1250 \* 31 \* 2018-11

## Contents

### Reviews and Summary Accounts

Preparation and application of iodosylarenes compounds .....	(1745)
..... MENG Ling-pu, SONG Hui-ying, LI Mu-zi, LIANG Xiao-chen, WEI Xing-xing, ZHOU De-jun	
Research progress of poly(p-dioxanone) .....	(1751)
..... JIA Ting-ting, CHEN Si-qi, GUO Min-jie	

### Academic Papers

Preparation and application of ampicillin molecularly imprinted materials .....	(1757)
..... SU Li-Qiang, YOU Jia, ZHANG Hui-Jie	
Preparation and application of amino-functionalized graphene quantum dots .....	(1763)
..... LIU Yu-xing, LUO Qian, SUN Zhi-peng, LIU YU-mei	
Screening of phosphodiesterase 4 inhibitors from traditional Chinese medicine by ultrafiltration HPLC .....	(1768)
..... XIE Jing, LI Bo, TENG Fei, LI Li	
Effect of surfactant compound system on improving oil recovery .....	(1774)
..... LV Peng	
Preparation and fresh-keeping properties to fruit and vegetable of rosin-based coating agent .....	(1779)
..... GAO Hong, XU Jia-li, YAO Shu-feng, SHANG Shi-bin, SONG Zhan-qian	
Study on the stability of red wine polyphenols and their whitening activity .....	(1786)
..... HUANG Rong, WU Qing, FU Xiao-hong	
Application of low platinum catalysts Pd@Pt/C and PdPt@Pt/C in fuel cells .....	(1792)
..... WU Yan-ni, HU Peng, ZHI Zhong-qiang, LI Shun-hua, LIN Yu-qun, DENG Wen-yuan	
DFT studies on the electronic structures and properties of Zn-doped Cd <sub>6</sub> Se <sub>6</sub> and Cd <sub>6</sub> Se <sub>6</sub> -(OPMe <sub>3</sub> ) <sub>6</sub> quantum dots .....	(1798)
..... YU Sheng-Ping, HUANG De-Lin, HUANG Xing-Long	
Synthesis of poly(AA-co-AMPS)/diatomite composite and its application in the adsorption behavior of Cd <sup>2+</sup> .....	(1804)
..... GONG Wei, LI Mei-lan, LEI Xiao-fei, LIANG Tong, WANG Xing, LIU Bai-ling	
Guest-host interaction of three kinds of cucurbit[n]urils with drug acetylcholine .....	(1812)
..... MENG Tie-hong, LI Chun-rong, LU Ji-hong, XIAO Xin	
Synthesis of (S)-1-[2-(3-hydroxyadamantane-1-amino) acetyl] pyrrolidine-2-carboxamide and its optimization .....	(1818)
..... LI Yu-fei, ZHANG Ming, ZHANG Hao, LIAO Qi, BIAN Xu-fei, WANG Tian-bao, HU Xiang-nan	
Green synthesis and biological activity of 2-aryl(heterocycloyl)-5-(4,5-dihydrothiazole-2-yl)-4-methyl-1,3-thiazole .....	(1824)
..... TANG Li-juan, CAO Zhi-ling, SHI Da-hua, WANG Jian, LIU Wei-wei	
Synthesis of 14-aryl-14H-dibenzo[a,j]xanthene derivatives catalyzed by sulfonic acid functionalized choline .....	(1830)
..... WANG Ying-lei, DU Chao-jun, YE Hong-yong, LI Ru-lin	
Determination of trace amounts of copper in water by FAAS after dispersive solid phase extraction using nitrogen doped graphene .....	(1836)
..... ZHEN Ya-fei, JIA Hong-rui, LIANG Jun, HAN Ren-jie, DONG Quan-quan, REN Li, MA Xiao-yan	
Synthesis of nitrogen and phosphorus co-doped carbon dots and the detection for Co <sup>2+</sup> .....	(1843)
..... SHI Jia, AO Mei-zhen, MA Yuan-yuan, LI Ying-li	
Study on flame retardant property of nano Zn/p-aminobenzenesulfonic acid/epoxy acrylate coatings .....	(1850)
..... ZHENG Bing-yun, AO Hua-he, HUANG Ming-zhen, WANG Zhen-hui, YANG Lei	

### Research Notes

Fluorescence quenching of luminous carbon quantum dots by troxerutin .....	(1857)
..... SUN Xue-hua, LI Hao, YANG Jao-li, CHAI Hong-mei, GAO Lou-jun	
Preparation and electrocatalytic oxidation of Ti-based metal-oxide electrodes for methyl orange .....	(1861)
..... HOU Jian-qiu, LI Bi-fang	
Research on optimization for synthetic process of dolutegravir .....	(1865)
..... WANG Xian-heng, ZHAO Chang-kuo, GUO Wei-hang, ZHOU Yi-qi, XU Lang	
Copper/proline lithiums microwave-assisted synthesis of pyrrolo[1,2-a]quinoxaline derivatives in water .....	(1871)
..... LIN Chen, LIN Xiao-yan, ZHANG Peng, XU Jian-hua, KE Fang	
Synthesis and structure identification of atorvastatin key intermediates LI diamino impurity .....	(1877)
..... ZENG Qi-yang, CHEN Yu-ying, YU Yu-hang, GUO Wei, Ai Lin	
Synthesis and characterization of terephthaloyl bis-caprolactamate .....	(1882)
..... SONG Wen-sheng, XU Shao-shuai, LI Di, LI Ping	
Synthesis of 2-(3,3-dimethylbicyclo[2.2.1]heptan-2-ylidene) acetaldehyde oxime .....	(1886)
..... HUANG Jing, BAO Han, XU Ming, ZHANG Shuo, LUO Jin-yue, LIU Zu-guang	
Synthesis of novel deoxycholic acid 1,2,4-triazole Schiff bases derivatives promoted by microwave irradiation and evaluation of their antibacterial activity .....	(1892)
..... LIU Xing-li, SHI Zhi-chuan, ZHAO Zhi-gang, LI Hui, WANG Xiao-hong	
Preparation of the fluorescence probe of carbon quantum dot with red jujube and detection of lysine in food .....	(1902)
..... LI Zhi-ying, LI Yang	
Optimization of the process of anti-rhinitis extraction from Magnoliae officinalis Cortex and its activity evaluation .....	(1908)
..... CHEN Xiao-tao, XU Ping, GUO Jin-feng, LI Yi	
Synthesis and structural analysis of HTlc-SO <sub>4</sub> -CO <sub>3</sub> -I whiskers .....	(1913)
..... WU Jian-song, Lan Xiao-xin, Wei Wen-jun	

### New Techniques and Application

Determination of aflatoxin B <sub>1</sub> , B <sub>2</sub> , G <sub>1</sub> , G <sub>2</sub> in peanut butter by immunoaffinity with ultra-high performance liquid chromatography-tandem mass spectrometry .....	(1918)
..... JIAO Hui-ze, LU Shi-qing, HONG Ti-yu	
Solvent extraction of hydrochloric acid by Aliquat 336, isoamyl alcohol and TBP from acid leaching solution of titanium-bearing ores .....	(1924)
..... MAO Xue-hua	