

《药学研究》编辑委员会

学术顾问:陈凯先

编委会主任:桂敦山

编委会副主任:娄红祥 田景振 王凤山

李波 史国生

主编:史国生

委员:(按姓氏笔画排序)

丁丽霞 马国 王凤山 王永军
王庆利 王建新 王荣梅 王淑敏
王鹏 尤启冬 方莲花 尹正
尹莉芳 石任兵 龙亚秋 卢燕
卢懿 田景振 史国生 皮荣标
朱平 乔善义 华子春 刘玉璇
刘培庆 刘焕香 刘景根 刘新泳
齐宪荣 安林坤 安琳 许风国
孙国祥 孙洪胜 杜冠华 李华
李宏建 李波 杨永华 肖衍宇
吴亚林 吴伟 吴艳芬 何琪杨
余蓉 沈雁 张东明 张兰英
张庆英 张志荣 张岫美 张建军
张相林 张莉 张培成 张鉴
张翱 陈士林 邵荣光 邵蓉
罗海彬 岳建民 金少鸿 周建平
郑忠辉 郑家晴 赵渤年 胡立宏
胡昌勤 胡金锋 柳红 娄红祥
姚庆强 顾宁 徐志南 徐峻
凌沛学 郭远强 郭瑞臣 郭颖
黄容琴 梁鸿 屠鹏飞 董俊兴
程刚 曾苏 游雪甫 窦桂芳

目 次

·专家论坛·

RNA 编辑技术 CRISPR/Cas9 的原理及功能

..... 包勇,姜小筱,杨永华(1)

·实验研究·

5 F-Na 注射液对人肝癌 MHCC97L 细胞毒性及凋亡的影响

..... 符伟玉,蓝柳波,覃燕梅,吴科峰,马晓鵠(10)

楷木枝叶提取物抗水貂呕吐的药效及机制研究

..... 任爱玲,李晓玲,张鉴,张继国,岳旺,王晓琰,侯宁,丁波(13)

丹参多糖的急性和亚急性毒性试验研究 李永明(16)

不同炮制方法对火麻仁饮片中葫芦巴碱含量的影响

..... 朱夏敏,王春娇,王鑫,蔡明宸,邓仕任(19)

HPLC 法测定中华跌打丸(大蜜丸)中 5-羟甲基糠醛的含量

..... 刘晓瑜,邱海强(22)

RP-HPLC 法测定米铂的含量 范振华(25)

顶空-GC 法检测灯盏花素片中的丙酮残留量

..... 张贊华,董媛,刘莹莹,李忠琼,张雯洁(27)

·制剂研究·

双氯芬酸羟乙基吡咯烷盐巴布剂制备及其体外透皮研究

..... 吕杨格格,孙春萌,沈雁,熊晔蓉,涂家生(30)

乳腺增生丸质量标准研究 钟建青,惠军(33)

·综述·

TRPV1 和 TRPV4 通道参与缺血/氧处理心血管保护的研究进展

..... 黄海燕,张世忠(37)

选择性环氧化酶-2 抑制剂对心血管影响的研究进展

..... 杨鹰,孙茹,曹艳花(41)

小胶质细胞内钙离子水平调控机制研究进展 都慧慧(46)

·临床药学·

养血清脑颗粒治疗血管性认知功能障碍疗效的 Meta 分析

..... 刘泰,曾佩佩,张青萍(49)

复合磷酸酯酶肠溶片联合水飞蓟宾胶囊治疗 70 例单纯酒精性肝病

的临床观察 黄新造,纪丹,赛君,柯文柄(53)

·药学教育·

浅谈如何利用实验室大型仪器的共享平台开展本科实验教学

..... 宋力,李志裕(55)

·工业药学·

水浴灭菌器布水均匀性确认方法研究

..... 许文东,于鹏,王长城,马秀娟,原江涛(57)

·流通药学·

“互联网+”时代下医药电子商务发展探讨 杨欣怡,刘永军(60)

著作权授权声明 (9)

Academic Advisor: CHEN Kai-xian

Director of Editorial Board: GUI Dun-shan

Associate Director of Editorial Board:

LOU Hong-xiang TIAN Jing-zhen WANG Feng-shan

LI Bo SHI Guo-sheng

Editor-in chief: SHI Guo-sheng

Commissions:

DING Li-xia MA Guo WANG Feng-shan

WANG Yong-jun WANG Qing-li WANG Jian-xin

WANG Rong-mei WANG Shu-min WANG Peng

YOU Qi-dong FANG Lian-hua YIN Zheng

YIN Li-fang SHI Ren-bing LONG Ya-qiu

LU Yan LU Yi TIAN Jing-zhen

SHI Guo-sheng PI Rong-biao ZHU Ping

QIAO Shan-yi HUA Zi-chun LIU Yu-xuan

LIU Pei-qing LIU Huan-xiang LIU Jing-gen

LIU Xin-yong QI Xian-rong AN Lin-kun

AN Lin XU Feng-guo SUN Guo-xiang

SUN Hong-sheng DU Guan-hua LI Hua

LI Hong-jian LI Bo YANG Yong-hua

XIAO Yan-yu WU Ya-lin WU Wei

WU Yan-fen HE Qi-yang YU Rong

SHEN Yan ZHANG Dong-ming ZHANG Lan-ying

ZHANG Qing-ying ZHANG Zhi-rong ZHANG Xiu-mei

ZHANG Jian-jun ZHANG Xiang-lin ZHANG Li

ZHANG Pei-cheng ZHANG Jian ZHANG Ao

CHEN Shi-lin SHAO Rong-guang SHAO Rong

LUO Hai-bin YUE Jian-min JIN Shao-hong

ZHOU Jian-ping ZHENG Zhong-hui ZHENG Jia-qing

ZHAO Bo-nian HU Li-hong HU Chang-qin

HU Jin-feng LIU Hong LOU Hong-xiang

YAO Qing-qiang GU Ning XU Zhi-nan

XU Jun LING Pei-xue GUO Yuan-qiang

GUO Rui-chen GUO Ying HUANG Rong-qin

LIANG Hong TU Peng-fei DONG Jun-xing

CHENG Gang ZENG Su YOU Xue-fu

DOU Gui-fang

CONTENTS

- The principle and functions of RNA editing technology CRISPR/Cas9 BAO Yong, JIANG Xiaoxiao, YANG Yonghua(1)
- Effects of 5F - Na on cytotoxicity and apoptosis on human liver cancer MHCC97L cells FU Weiyu, LAN Liubo, Qin Yanmei, WU Kefeng, MA Xiaoli(10)
- Study on mechanism of *Pistaciasinensis* Bunge branches and leaves extract on vomiting model of mink REN Ailing, LI Xiaoling, ZHANG Jian, ZHANG Jiguo, YUE Wang, WANG Xiaoyan, HOU Ning, DING Bo(13)
- Acute and sub - chronic toxicity study on *Salvia miltiorrhiza* polysaccharides LI Yongming(16)
- Effects of different processing methods on the determination of trigonelline in *Fructus Cannabis* decoction pieces ZHU Xiamin, WANG Chunjiao, WANG Xin, CAI Mingchen, DENG Shiren(19)
- Determination of 5 - hydroxymethyl furfural in Zhonghuadieda Pills (Big Honeyed Pills) by HPLC LIU Xiaoyu, QIU Haiqiang(22)
- Determination of miriplatin by RP - HPLC FAN Zhenhua(25)
- Determination of residual acetone of Dengzhanhuasu Tablets by headspace - GC ... ZHANG Yunhua, DONG Yuan, LIU Yingying, LI Zhongqiong, ZHANG Wenjie(27)
- Preparation of diclofenac epolamine cataplasm and its percutaneous permeability in vitro LYU YANG Gege, SUN Chunmeng, SHEN Yan, XIONG Yerong, TU Jiasheng(30)
- Study on quality standard for Ruxian Zengsheng Pills ZHONG Jianqing, HUI Jun(33)
- Research progress of TRPV1 and TRPV4 channels in ischemia/ oxygen conditioning - induced cardioprotection HUANG Haiyan, ZHANG Shizhong(37)
- Research progress on the effect of selective COX - 2 inhibitors on cardiovascular diseases ... YANG Ying, SUN Ru, CAO Yanhua(41)
- Research progress on relationship between intracellular calcium levels and microglial activation DU Huihui(46)
- Meta analysis of Yangxue Qingnao Granule in the treatment of vascular cognitive dysfunction LIU Tai, ZENG Peipei, ZHANG Qingping(49)
- Clinical curative effect of Compound Phosphatase Enteric Coated Tablets combined with Silibinin Capsules in the treatment of 70 cases of simple alcoholic liver disease HUANG Xinzao, JI Dan, SAI Jun, KE Wenbing(53)
- Discussion on how to use large scale equipments platform in teaching experiment SONG Li, LI Zhiyu(55)
- Research on water distribution uniformity confirmation method of water bath sterilizer XU Wendong, YU Peng, WANG Changcheng, MA Xiujuan, YUAN Jiangtao(57)
- Discussion on the development of medical electronic commerce in the era of " Internet + " YANG Xinyi, LIU Yongjun(60)