2022 年 6 月　第 41 卷　第 6 期
月刊
1982 年 7 月创刊

药　学　研　究
JOURNAL OF PHARMACEUTICAL RESEARCH

《药学研究》第十二届编辑委员会

学 术 顾 问:陈凯先　管华诗　丁　健
岳建民
编 委 会 主 任:李　涛
编委会副主任:(按姓氏笔画排序)
丁丽霞　王凤山　卢秀莲　田景振　杜冠华
李　波　李　燕　郑家晴　娄红祥　顾　宁

主　　编:李　军
执行主编:胡德福
编　　委:(按姓氏笔画排序)
丁　克　丁丽霞　于　沛　于荣敏　马　杰
马　国　王凤山　王永军　王戌梅　王建新
王荣梅　王淑敏　王　鹏　王　磊　尤启冬
方莲花　尹莉芳　邓仕任　龙亚秋　卢秀莲
卢　燕　卢　懿　田海妍　田景振　皮荣标
朱　平　朱冬青　乔善义　刘玉璇　刘继华
刘焕香　刘景根　刘新泳　齐宪荣　安　良
安林坤　许风国　许　婧　孙国祥　孙洪胜
严春艳　杜冠华　李　华　李孝栋　李芸霞
李宏建　李卓荣　李明玉　李　波　李　燕
杨永华　杨　柯　杨　勇　肖衍宇　吴亚林
吴　伟　吴艳芬　邱　峰　何祥久　何琪杨
何蓉蓉　余　蓉　沈　雁　张东明　张冬梅
张兰英　张庆英　张　杰　张岫美　张相林
张晓琦　张海英　张培成　张　翱　陈士林
陈卫民　陈艳芬　邵荣光　邵　蓉　范　源
罗海彬　岳建民　金少鸿　金　晶　周建平
郑忠辉　郑　彧　郑家晴　孟宪生　赵龙山
赵桂森　赵渤年　胡立宏　胡昌勤　胡金锋
柳　红　娄红祥　姚庆强　姚美村　夏　星
顾　宁　徐　伟　徐志南　徐　峻　凌沛学
高分飞　高　昊　郭远强　郭瑞臣　郭　颖
黄鸣清　黄容琴　盛　亮　寇俊萍　屠鹏飞
景　明　程　刚　傅俊杰　鲁　桂　曾　苏
游雪甫　窦明金　窦桂芳　臧恒昌

JOURNAL OF PHARMACEUTICAL RESEARCH

目　　次

·实验研究·
基于微流控芯片分析气滞胃痛片中不同药效组分对炎症细胞 GES-1 的影响 …… 秦鑫鹏,包永睿,王帅,李天娇,孟宪生(351)
基于网络药理学及分子对接技术分析丹参-川芎-葛根抗高血压的分子机制 …… 李新,刘肖莹,蒋蕾,杨波,彭海生(357)
替格瑞洛中 7 个异构体的毒理评价及含量测定研究 …… 漆欣筑,祝晶,何劼毅,聂鹏(365)
HPLC 法测定肝素钠注射液中 6 种抑菌剂 …… 由鹏飞,李春焕,陈晓,张迅杰,薛维丽,张乃斌(369)
杭白菊提取物中辅料麦芽糊精的中红外快速定量分析 …… 刘艳,李燕青,丁姗姗,牟卫伟,王磊,冯帅(373)

·制剂研究·
参白药效部位纳米混悬剂的剂型工艺优化及其升白作用的研究 …… 简凤娇,郭敏,吴沛杭,李孝栋(378)
乳块散结颗粒制备工艺研究 …… 周维利,孙铜,王坤(384)

·中药炮制专栏·
鸡血藤微型饮片的制备工艺研究 …… 张颖奇,张凡,贾天柱(387)
何首乌炮制与肝毒性研究进展 …… 吴芳,崔真真,郭玲燕,王海凌,王加锋,张冰,辛义周(391)

·综　　述·
尿苷二磷酸葡萄糖醛酸转移酶的调控及其介导的中药-药物相互作用研究进展 …… 周楠,李婷婷,陈西敬(394)
基于合成路线分析的盐酸阿托莫西汀有关物质研究进展 …… 李树英,倪志伟,张庆,卢大峰,臧淑超,王玉玲,翟光喜(400)
糖尿病心肌病中离子通道研究进展 …… 刘倩茹,汤依群(406)
氟哌啶醇联合用药治疗儿童抽动障碍及精神分裂症的研究进展 …… 吕红艳(410)

·临床药学·
公众抗生素安全用药意识调研与分析 …… 邵天怡,郭红(414)

·药事管理·
山东省药品零售连锁企业存在问题、整治对策及建议 …… 尚京迎,林晓明,王群,张然,柏建学(418)

《药学研究》关于抵制学术不端行为的声明 …… (377)

期刊基本参数:CN37-1493/R * 1982 * m * A4 * 70 * zh * P * ￥10.00 * * 15 * 2022-06
本期责任编辑:戴文婷

2022 June Volume 41 Number 6
Monthly
Founded in July, 1982

药 学 研 究
JOURNAL OF PHARMACEUTICAL RESEARCH

Academic Advisor: CHEN Kaixian GUAN Huashi
DING Jian YUE Jianmin
Director of Editorial Board: LI Tao
Associate Director of Editorial Board:
DING Lixia WANG Fengshan LU Xiulian
TIAN Jingzhen DU Guanhua LI Bo
LI Yan ZHENG Jiaqing LOU Hongxiang
GU Ning
Editor in Chief: LI Jun
Executive-Editor in Chief: HU Defu
Commissions:
DING Ke DING Lixia YU Pei
YU Rongmin MA Jie MA Guo
WANG Fengshan WANG Yongjun WANG Xumei
WANG Jianxin WANG Rongmei WANG Shumin
WANG Peng WANG Lei YOU Qidong
FANG Lianhua YIN Lifang DENG Shiren
LONG Yaqiu LU Xiulian LU Yan
LU Yi TIAN Haiyan TIAN Jingzhen
PI Rongbiao ZHU Ping ZHU Dongqing
QIAO Shanyi LIU Yuxuan LIU Jihua
LIU Huanxiang LIU Jinggen LIU Xinyong
QI Xianrong AN Liang AN Linkun
XU Fengguo XU Jing SUN Guoxiang
SUN Hongsheng YAN Chunyan DU Guanhua
LI Hua LI Xiaodong LI Yunxia
LI Hongjian LI Zhuorong LI Mingyu
LI Bo LI Yan YANG Yonghua
YANG Ke YANG Yong XIAO Yanyu
WU Yalin WU Wei WU Yanfen
QIU Feng HE Xiangjiu HE Qiyang
HE Rongrong YU Rong SHEN Yan
ZHANG Dongming ZHANG Dongmei ZHANG Lanying
ZHANG Qingying ZHANG Jie ZHANG Xiumei
ZHANG Xianglin ZHANG Xiaoqi ZHANG Haiying
ZHANG Peicheng ZHANG Ao CHEN Shilin
CHEN Weimin CHEN Yanfen SHAO Rongguang
SHAO Rong FAN Yuan LUO Haibin
YUE Jianmin JIN Shaohong JIN Jing
ZHOU Jianping ZHENG Zhonghui ZHENG YU
ZHENG Jiaqing MENG Xiansheng ZHAO Longshan
ZHAO Guisen ZHAO Bonian HU Lihong
HU Changqin HU Jinfeng LIU Hong
LOU Hongxiang YAO Qingqiang YAO Meicun
XIA Xing GU Ning XU Wei
XU Zhinan XU Jun LING Peixue
GAO Fenfei GAO Hao GUO Yuanqiang
GUO Ruichen GUO Ying HUANG Mingqing
HUANG Rongqin SHENG Liang KOU Junping
TU Pengfei JING Ming CHENG Gang
FU Junjie LU Gui ZENG Su
YOU Xuefu DOU Mingjin DOU Guifang
ZANG Hengchang

JOURNAL OF PHARMACEUTICAL RESEARCH

CONTENTS

Effects analysis of different pharmacodynamic components in Qizhiweitong Tablets based on microfluidic chip on inflammatory cell GES-1 ····· *QIN Xinpeng, BAO Yongrui, WANG Shuai, LI Tianjiao, MENG Xiansheng* (351)

Analysis of mechanism of Danshen-Chuanxiong-Gegen on antihypertensive based on network pharmacology technology and molecular docking ····· *LI Xin, LIU Xiaoying, JIANG Lei, YANG Bo, PENG Haisheng* (357)

Toxicological assessment and content detection of seven chiral impurities in Ticagrelor Tablets ····· *QI Xinzhu, ZHU Jing, HE Jieyi, NIE Peng* (365)

Determination of six antibacterial agents in Heparin Sodium Injection by HPLC ····· *YOU Pengfei, LI Chunhuan, CHEN Xiao, ZHANG Xunjie, XUE Weili, ZHANG Naibin* (369)

Rapid fourier transform infrared determination of maltodextrin from *Chrysanthemum morifolium* extract powder ····· *LIU Yan, LI Yanqing, DING Shanshan, MU Weiwei, WANG Lei, FENG Shuai* (373)

Studies on the optimization of preparation process of Shenbai nanosuspension based on effective parts and the effect of increasing leukocyte ····· *JIAN Fengjiao, GUO Min, WU Peihang, LI Xiaodong* (378)

Study on preparation technology for Rukuai Sanjie Granules ····· *ZHOU Weili, SUN Tong, WANG Kun* (384)

Study on the preparation technology of *Spatholobi Caulis* micro-slices ····· *ZHANG Yingqi, ZHANG Fan, JIA Tianzhu* (387)

Research progress on processing and hepatotoxicity of *Polygonum multiflorum* ····· *WU Fang, Cui Zhenzhen, GUO Lingyan, WANG Hailing, WANG Jiafeng, ZHANG Bing, XIN Yizhou* (391)

Research progress of regulation of UDP-glucuronosyltransferases and herb-drug interaction ··· *ZHOU Nan, LI Tingting, CHEN Xijing* (394)

Research progress of related substances of Atomoxetine Hydrochloride based on its impurity profile ····· *LI Shuying, NI Zhiwei, ZHANG Qing, LU Dafeng, ZANG Shuchao, WANG Yuling, ZHAI Guangxi* (400)

Research progress on ion channels in diabetic cardiomyopathy ····· *LIU Qianru, TANG Yiqun* (406)

The progress of concomitant administration of Haloperidol with other drugs in the treatment of tic disorders and schizophrenia in children ····· *LYU Hongyan* (410)

Investigation and analysis of public awareness of safe use of antibiotics ····· *SHAO Tianyi, GUO Hong* (414)

Discussion on the problems of pharmaceutical retail chain enterprises in Shandong Province ····· *SHANG Jingying, LIN Xiaoming, WANG Qun, ZHANG Ran, BAI Jianxue* (418)

Journal Primary Parameter: CN37-1493/R * 1982 * m * A4 * 70 * zh * P * ¥10.00 * * 15 * 2022-06