



ZHONGCAOYAO

Chinese Traditional and Herbal Drugs

第 54 卷 第 1 期 (总第 732 期)

2023 年 1 月 12 日出版

半月刊

1970 年 1 月创刊

主 管

天津药物研究院

主 办

天津药物研究院 (www.tjipr.com)

中 国 药 学 会 (www.cpa.org.cn)

编辑出版

《中草药》杂志编辑部

地址: 天津市滨海新区滨海科技园

惠仁道 306 号

邮编: 300462

电话: 022-27474913 23006821

网址: www.中草药杂志社.中国

www.tiprpress.com

E-mail: zcy@tiprpress.com

国际标准连续出版物号

ISSN 0253-2670

国内统一连续出版物号

CN 12-1108/R

主 编 刘昌孝 汤立达

执行主编 陈常青

目 次

· 专 论 ·

- 1 从国家药品抽检探索性研究谈中药制剂质量控制
阳长明, 陈 霞, 马秀璟, 曲建博, 刘思燧, 陈 浩, 李 灿
- 8 符合中药特点的安全性相关质量研究及质量控制
郑天骄, 韩 炜

· 化学成分 ·

- 15 裸花紫珠的化学成分研究 陈倩倩, 邹献亮, 俞桂新
- 29 瑞香狼毒的化学成分研究
周 地, 刘丽颖, 周官红, 陈 刚, 李 宁
- 35 马钱内生真菌 *Exserohilum rostratum* 次生代谢产物研究
易 诚, 曹海燕, 陈科良, 杨晨宇, 刘云宝
- 41 粉防己根中 1 个新的阿朴啡型生物碱及其细胞毒活性
陈建国, 杨中锋, 杨立军, 杨淑红
- 45 维药黑桑中 1 个新的桑根酮型二氢黄酮化合物及其胰岛素增敏活性
贾 安, 王玲玲, 靳建杰, 黄春跃, 胡 晓

· 药剂与工艺 ·

- 51 黄连-干姜有效组分自微乳给药系统的制备与评价
李 鑫, 余 玲, 刘 葭, 梅 凯, 李婷婷, 郝逗逗, 王昕怡
王灵敏, 吴 清
- 62 甘草酸新型离子液体微乳的制备及体外评价
闫 巧, 薛玉叶, 李方琴, 王 芳, 秦祉剑, 戴 博, 袁海龙
- 72 基于“辨色论质”的百合制桔梗质量控制研究
郭静英, 易海燕, 郑郁清, 谢亚婷, 郑 鹏, 黄 敏, 杨 明
湛瑞林, 何 浪, 张金莲
- 81 基于感官评价法的清热类中药口服液味觉评价研究
李晨旭, 姚 静, 任延娜, 李 涵, 桂新景, 王艳丽, 施钧瀚
刘瑞新, 李学林
- 92 麝香舒活灵水凝胶剂的制备与体外评价
彭丽华, 袁铁军, 高 进, 李 东, 施沐阳, 尚 强
- 100 三七药渣中主要多糖成分的分离纯化及其抗氧化活性研究
曹玉标, 孙亮亮, 杨 野, 崔秀明, 邱 斌, 王承潇

· 药理与临床 ·

- 112 表小檗碱调控 CD39-NLRP3-GSDMD 焦亡路径改善脓毒症肺损伤的
机制研究 吴嘉思, 兰悦嘉, 王 俊, 王 欢
- 122 基于回肠顶端钠依赖性胆酸转运体探究栀子水提物对小鼠胆汁淤积
的治疗作用 张国强, 文苑洁, 董毓松, 石晓盼, 魏玉辉
- 131 铁皮石斛水提物对 4T1 乳腺癌荷瘤小鼠的抑瘤及免疫调节作用研究
牛壮伟, 颜美秋, 苏 洁, 汪晨兴, 韩丽萍, 施梦琳, 俞静静
陈素红, 吕圭源
- 142 基于 DJ-1/Nrf2/HO-1 信号通路探讨北柴胡地上部分多糖组分对癫痫
小鼠脑内氧化应激的影响
刘 艳, 王 敏, 李晓毛, 匡海学, 杨炳友



ZHONGCAOYAO

Chinese Traditional and Herbal Drugs

第 54 卷 第 1 期 (总第 732 期)

2023 年 1 月 12 日出版

广告合作

中草药杂志社媒体运营部

电话: 022-23006868 23006895

印刷

天津市恒远印刷有限公司

国内发行

天津市邮政局

订 阅

全国各地邮政局

国外发行

中国国际图书贸易集团有限公司

(100044 北京 399 信箱)

国内邮发代号

6-77

国外邮发代号

M221

定价

每期 60.00 元 全年 1440.00 元

广告发布登记号

BH 2020-01

英文责任编辑

齐静雯

本期责任编辑

时圣明

- 151 复方丹参滴丸调控 LOX-NF- κ B 炎症途径治疗心肌缺血的机制研究
曹博雅, 陈家黎, 石晓溪, 李东岳, 卢令慧, 高 阔, 王 伟
曹俊岭, 张 建
- 160 不同寄主植物桑寄生水提物对斑马鱼胚胎心脏发育毒性及机制研究
刘佳莉, 夏玉苹, 陈柳燕, 刘舒宁, 李健华, 汝 梅, 李永华
- 172 汉黄芩素对肺炎支原体肺炎小鼠肺组织中肺上皮间质形成因子表达的影响
王斯楚, 孙 一, 王晓溪, 王 欣, 蒙艳丽, 王伟明

• 数据挖掘与循证医学 •

- 181 基于数据挖掘及砷含量探究矿物药雄黄在儿科制剂中应用规律及解决策略
汪文芳, 朱毛毛, 杨艳君, 叶 亮, 贾晓斌, 封 亮
- 192 《伤寒论》治疫方用药规律分析及核心药对治疗 COVID-19 的作用机制研究
汤少梁, 贡 悦, 冯雨莉, 杨彤玲, 张 蒙, 申俊龙, 成 彦
- 210 基于真实世界与靶点网络聚类的茵陈蒿颗粒治疗黄疸的联合用药方案及分子机制分析
崔 鑫, 张 成, 席俊羽, 谢瑞婷, 刘 毅, 谢雁鸣

• 药材与资源 •

- 222 当归抽薹开花过程中赤霉素代谢水平及其关键酶基因克隆与表达分析
刘 迪, 崔秀文, 黄天苗, 李美玲, 栗孟飞, 魏建和
- 235 基于通用 DNA 条形码序列的黄精属药用植物分子鉴定
张明英, 李依民, 程文萍, 高 静, 颜永刚, 杨 琳
胡锦航, 张 岗
- 245 茯苓基因组中 MYB 转录因子基因家族鉴定及表达分析
陈泓宇, 董树廷, 郭妙弦, 罗红梅
- 254 鸢尾糖基转移酶编码基因 *ItUGT349* 和 *ItUGT419* 克隆及特性研究
张李兵, 李 静, 陶无恙, 黄梓璐, 陈嘉杰, 段礼新, 季爱加
- 262 红花不同花色变异类型叶绿体基因组特征与系统进化分析
丁怡宁, 毕光耀, 胡赛文, 周 艳, 李贺敏, 夏 至

• 综 述 •

- 272 组学技术在黑果枸杞资源研究中的应用
李明珠, 刘增根
- 283 FPGA 技术在中药智能制药中的应用探讨
李小莉, 薛启隆, 苗坤宏, 赵 倩, 于 洋, 李 正
- 292 熟地黄药效物质基础研究进展
葛 楠, 闫广利, 孙 晖, 王喜军
- 303 大黄及其有效成分抗炎作用的研究进展
韩思琪, 哈 伟, 师彦平
- 317 枸杞属植物酰胺类成分及其生物活性研究进展
陈栋杰, 郭 盛, 伊艳玲, 张 芳, 段 然, 徐 盼, 段金威
- 334 中药抗冠状病毒的作用机制及临床应用研究进展
李赛娟, 苏 娟, 靳 灿, 丁 侃
- 346 《中草药》杂志 2023 年投稿须知

本刊投稿须知见《中草药》2023, 54(1): 346-348.

期刊基本参数: CN 12-1108 R * 1970 * sm * A4 * 240 * zh * P * ¥ 60.00 * 3000 * 34 * 2023 - 01

CHINESE TRADITIONAL AND HERBAL DRUGS

Vol. 54 No. 1 Jan. 2023

Chinese Traditional and Herbal Drugs

(Semimonthly)

Founded in January, 1970

Supervised by

Tianjin Institute of Pharmaceutical Research

Sponsored by

Tianjin Institute of Pharmaceutical Research

(www.tjipr.com)

Chinese Pharmaceutical Association

(www.cpa.org.cn)

Edited and Published by

Editorial Office of Chinese Traditional

and Herbal Drugs

Address: 306# Huirendao, Binhai District,
Tianjin, China

Post Code: 300462

Tel: +86-22-27474913

Fax: +86-22-23006821

http: // www.中草药杂志社.中国

www.tiprpress.com

E-mail: zcy@tiprpress.com

Standard Number

ISSN 0253-2670

CN 12-1108/R

CODEN CTYAD8

Editor-in-chief

LIU Chang-xiao TANG Li-da

Executive Editor-in-chief

CHEN Chang-qing

Contents

• Special Topic •

- 1 Discussion on quality control of traditional Chinese medicine preparations from exploratory research of national drug sampling and inspection
YANG Chang-ming, CHEN Xia, MA Xiu-jing, QU Jian-bo, LIU Si-yi, CHEN Hao, LI Can
- 8 Safety-related quality research and quality control according to characteristics of traditional Chinese medicine
ZHENG Tian-jiao, HAN Wei

• Chemical Constituents •

- 15 Chemical constituents from *Callicarpae Nudiflorae Folium*
CHEN Qian-qian, ZOU Xian-liang, CHOU Gui-xin
- 29 Chemical constituents from *Stellera chamaejasme*
ZHOU Di, LIU Li-ying, ZHOU Guan-hong, CHEN Gang, LI Ning
- 35 Investigation on secondary metabolites of endophytic fungus *Exserohilum rostratum* hosted in *Strychnos nux-vomica*
YI Cheng, CAO Hai-yan, CHEN Ke-liang, YANG Chen-yu, LIU Yun-bao
- 41 A new aporphine alkaloid from roots of *Stephania tetrandra* and its cytotoxicity
CHEN Jian-guo, YANG Zhong-duo, YANG Li-jun, YANG Shu-hong
- 45 A new sanggenon-type flavanone from *Morus nigra* and its insulin-sensitizing activity
JIA An, WANG Ling-ling, JIN Jian-jie, HUANG Chun-yue, HU Xiao

• Pharmaceutics and Technology •

- 51 Preparation and evaluation of self-microemulsion drug delivery system for effective components of *Coptidis Rhizoma-Zingiberis Rhizoma*
LI Xin, YU Ling, LIU Jia, MEI Kai, LI Ting-ting, HAO Dou-dou, WANG Xin-yi, WANG Ling-min, WU Qing
- 62 Preparation and *in vitro* evaluation of a novel ionic liquid microemulsion of glycyrrhizic acid
YAN Qiao, XUE Yu-ye, LI Fang-qin, WANG Fang, QIN Zhi-jian, DAI Bo, YUAN Hai-long
- 72 Study on quality control of *Lilii Bulbus*-processed *Platycodonis Radix* based on "color discrimination grading"
GUO Jing-ying, YI Hai-yan, ZHENG Yu-qing, XIE Ya-ting, ZHENG Peng, HUANG Min, YANG Ming, CHEN Rui-lin, HE Lang, ZHANG Jin-lian
- 81 Taste evaluation of Chinese medicine oral liquid for clearing heat based on sensory evaluation method
LI Chen-xu, YAO Jing, REN Yan-na, LI Han, GUI Xin-jing, WANG Yan-li, SHI Jun-han, LIU Rui-xin, LI Xue-lin
- 92 Preparation and *in vitro* evaluation of Shexiang Shuhuoling Hydrogel
PENG Li-hua, YUAN Tie-jun, GAO Jin, LI Dong, SHI Mu-yang, SHANG Qiang
- 100 Separation and purification of polysaccharides from *Panax notoginseng* residues and its antioxidant activities
CAO Yu-biao, SUN Liang-liang, YANG Ye, CUI Xiu-ming, QIU Bin, WANG Cheng-xiao

• Pharmacological Studies and Clinical Observations •

- 112 Mechanism of epiberberine on ameliorating sepsis-induced lung injury via modulation of CD39-NLRP3-GSDMD and downstream pyroptosis
WU Jia-si, LAN Yue-jia, WANG Jun, WANG Huan
- 122 Effect of *Gardenia jasminoides* water extract on cholestasis in mice based on apical sodium-dependent bile acid transporter of ileum
ZHANG Guo-qiang, WEN Yuan-jie, DONG Yu-song, SHI Xiao-pan, WEI Yu-hui
- 131 Anti-tumor and immunomodulatory effects of *Dendrobium officinale* water extract on 4T1 breast cancer bearing mice
NIU Zhuang-wei, YAN Mei-qiu, SU Jie, WANG Chen-xing, HAN Li-ping, SHI Meng-lin, YU Jing-jing, CHEN Su-hong, LYU Gui-yuan
- 142 Effect of polysaccharides from aerial parts of *Bupleurum chinense* on oxidative stress in brains of epileptic mice based on DJ-1/Nrf2/HO-1 signaling pathway
LIU Yan, WANG Min, LI Xiao-mao, KUANG Hai-xue, YANG Bing-you

Chinese Traditional and Herbal Drugs

(Semimonthly)

Founded in January, 1970

Advertising cooperation

Department of Media Operations, Tianjin

Press of Chinese Herbal Medicines

Tel: (022)23006868 23006895

Printed by

Tianjin Hengyuan Printing Co., Ltd.

Distribution

Tianjin Post Office

Subscription Domestic

Local Post Office

Subscription Overseas

China International Book Trading Corporation,

PO Box 399, Beijing 100044, China

Advertising Registration Number

BH 2020-01

Publication Date

Jan. 12, 2023

Editor in Charge of English

QI Jing-wen

Editor in Charge of This Issue

SHI Sheng-ming

- 151 Mechanism of Compound Danshen Dripping Pills against myocardial ischemia based on LOX-NF-κB pathway
CAO Bo-ya, CHEN Jia-li, SHI Xiao-xi, LI Dong-yue, LU Ling-hui, GAO Kuo, WANG Wei, CAO Jun-ling, ZHANG Jian
- 160 Cardiac developmental toxicity and mechanism of aqueous extracts of *Taxilli Herba* from different hosts in zebrafish embryo
LIU Jia-li, XIA Yu-ping, CHEN Liu-yan, LIU Shu-ning, LI Jian-hua, RU Mei, LI Yong-hua
- 172 Effect of wogonin on expression of lung epithelial-mesenchymal formation factor in lung tissue of mycoplasma pneumoniae pneumonia mice
WANG Si-chu, SUN Yi, WANG Xiao-xi, WANG Xin, MENG Yan-li, WANG Wei-ming
- Data Mining and Evidence-Based Medicine •
- 181 Application law and solution strategy of mineral medicine realgar in pediatric preparations based on data mining and arsenic content
WANG Wen-fang, ZHU Mao-mao, YANG Yan-jun, YE Liang, JIA Xiao-bin, FENG Liang
- 192 Analysis of medication regularities of epidemic disease prescription in *Treatise on Febrile Diseases* and mechanism of core drugs in treatment of COVID-19
TANG Shao-liang, GONG Yue, FENG Yu-li, YANG Tong-ling, ZHANG Meng, SHEN Jun-long, CHENG Yan
- 210 Combination medication regimen and molecular mechanism analysis of Yinzhihuang Granule in treatment of jaundice based on real world and target network clustering
CUI Xin, ZHANG Cheng, XI Jun-yu, XIE Yu-ting, LIU Yi, XIE Yan-ming
- Medicinal Materials •
- 222 Analysis on gibberellins metabolic level, key enzyme genes clone and expression pattern during bolting and flowering plants in *Angelica sinensis*
LIU Di, CUI Xiu-wen, HUANG Tian-miao, LI Mei-ling, LI Meng-fei, WEI Jian-he
- 235 Molecular authentication of medicinal *Polygonatum* Species utilizing the universal DNA barcode sequences
ZHANG Ming-ying, LI Yi-min, CHENG Wen-ping, GAO Jing, YAN Yong-gang, YANG Lin, HU Jin-hang, ZHANG Gang
- 245 Genome-wide characterization and expression analysis of MYB transcription factor gene family in *Poria cocos*
CHEN Hong-yu, DONG Shu-ting, GUO Miao-xian, LUO Hong-mei
- 254 Genes clone and features analysis of glycosyltransferase genes *ItUGT349* and *ItUGT419* from *Iris tectorum*
ZHANG Li-bing, LI Jing, TAO Wu-yang, HUANG Zi-lu, CHEN Jia-jie, DUAN Li-xin, JI Ai-jia
- 262 Characterization and phylogenetic analysis of complete chloroplast genome of different color medicinal plant *Carthamus tinctorius*
DING Yi-ning, BI Guang-yao, HU Sai-wen, ZHOU Yan, ZHOU Yan, LI He-min, XIA Zhi
- Reviews •
- 272 Application of omics technology in *Lycium ruthenicum* resources
LI Ming-zhu, LIU Zeng-gen
- 283 Discussion on application of FPGA-based technologies in smart manufacturing for traditional Chinese medicine
LI Xiao-li, XUE Qi-long, MIAO Kun-hong, ZHAO Qian, YU Yang, LI Zheng
- 292 Research progress on effective constituents in *Radix Rehmanniae Praeparata*
GE Nan, YAN Guang-li, SUN Hui, WANG Xi-jun
- 303 Research progress on anti-inflammatory effect of *Rhei Radix et Rhizoma* and its active components
HAN Si-qi, HA Wei, SHI Yan-ping
- 317 Research progress on amides from *Lycium* and their biological activities
CHEN Dong-jie, GUO Sheng, YI Yan-ling, ZHANG Fang, DUAN Ran, XU Pan, DUAN Jin-ao
- 334 Research progress on mechanism and clinic application of traditional Chinese medicine against coronavirus
LI Sai-juan, SU Juan, JIN Can, DING Kan
- 346 Instruction of *Chinese Traditional Herbal and Drugs* for Authors in 2023