



ZHONGCAOYAO

Chinese Traditional and Herbal Drugs

第 54 卷 第 4 期 (总第 735 期)

2023 年 2 月 28 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：天津市滨海高新区滨海科技园

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

• 化学成分 •

- 1017 广藿香内生真菌撕裂耙齿菌 A878 次级代谢产物研究
王诺依, 刘洪新, 陈玉婵, 章卫民, 高晓霞
1026 黄花棘豆中 1 个新的喹诺里西啶生物碱
王亭亭, 张雅昆, 张洪艳, 薛 站, 霍晓敏, 曾艳荣, 谭承建
1033 云南萝芙木根中吲哚生物碱及其抗菌活性
吴昊, 宋京风, 范 壅, 秦马龙, 胡炜彦, 郭瑞荣, 高 雯
张荣平, 李玉鹏, 于浩飞, 丁彩凤
1043 “太白七药”朱砂七化学成分研究
李鑫, 徐浩南, 李世兴, 张化为, 姜 祎, 李玉泽, 宋小妹
张东东, 王 薇
1051 补肺活血胶囊大鼠体内代谢产物鉴定及代谢途径分析
任慧, 郭盛, 张祎盈, 李全, 王恒斌, 耿婉丽, 钱大玮
段金廒

• 药剂与工艺 •

- 1064 复方丹参双相胶囊体内外评价研究
夏明艳, 吴秋焱, 王灿坚, 阳 涛, 李东勲, 魏鑫华, 王堂勋
张观生, 张文毓, 张国松
1076 近红外光谱技术应用于中药四类味觉分类辨识的可行性分析
王小鹏, 张璐, 陈鹏举, 王艳丽, 李涵, 桂新景
刘瑞新, 李学林
1087 金银花颗粒在旋风分离器中的流场数值模拟分析
苗坤宏, 崔彭帝, 薛启隆, 于洋, 李正
1098 百蕊草药材与标准汤剂量值传递规律研究及分析
严露, 蒲婧哲, 管悦琴, 郑卫兵, 孙翼飞, 张亚中
1106 经典名方阳和汤指纹图谱及功效关联物质预测分析
张泽康, 张晴, 窦敏航, 王昌海, 赵玥瑛, 席 镁, 张馨雨, 孙萌
董爽, 杜守颖, 白洁, 陆洋
1120 基于多品种水-醇双提物的中药粉体性质影响颗粒吸湿性的研究
秦春娟, 闫明, 王振中, 章晨峰, 王团结, 徐芳芳, 肖伟
1127 基于标准汤剂的鲜地黄配方颗粒质量标准研究
张志鹏, 徐杰, 刘佩仪, 黄梦婷, 钟志奎, 程学仁

• 药理与临床 •

- 1138 阿卡宁下调 Trx/Akt 通路诱导急性髓系白血病细胞凋亡的作用研究
徐宏宏, 昌潇, 罗琼, 张波
1149 基于脂质组学的绞股蓝总苷调血脂作用研究
曾迪, 周昌园, 龙健, 胡雪黎, 涂星, 文德鉴, 胡泽华, 杨宝
1157 普洱茶素 II 改善高脂血症 ApoE^{-/-}小鼠动脉粥样硬化作用机制研究
王鑫玉, 赵一慕, 高云, 阴紫钰, 王凌潇, 马家乐, 赵云芳
郑姣, 李军
1164 荆防颗粒对急性醉酒模型小鼠的解酒作用及作用机制
高铭, 张霞, 罗戴民, 杨若聪, 饶志粒, 曾南
1173 基于 vWF/GPIb-IX-V 信号通路的丹红注射液对急性血瘀大鼠模型活血化瘀作用及机制研究
刘旭, 吴宿慧, 陈小菲, 张宇航, 李寒冰, 唐进法
1184 消岩汤干预 Beclin1-YAP1 环路逆转肺癌顺铂耐药研究
杨佩颖, 刘宏根, 贾英杰



Chinese Traditional and Herbal Drugs

第 54 卷 第 4 期 (总第 735 期)

2023 年 2 月 28 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

封面图片提供

宋琳奕

英文责任编辑

姜 丹

本期责任编辑

王文倩

- 1190 基于肠道菌群和代谢组学研究化滞柔肝颗粒治疗非酒精性脂肪肝的作用机制
朱春胜, 施亚敏, 付智慧, 于东升, 边 猛, 聂安政, 李晓萍

- 1201 苏合香丸治疗新型冠状病毒感染患者的临床观察
刘清泉, 励 国, 张 杰, 王彦军, 王 贞, 张小广, 张保华, 阮 航

• 数据挖掘与循证医学 •

- 1208 基于 CiteSpace 知识网络图谱的中药复方量效关系可视化分析
付进杰, 刘馨雅, 郝 征, 宋文杰, 傅延龄
- 1220 基于真实世界数据的清开灵注射液不良反应信号挖掘与分析
夏旭东, 程伟高, 周 明, 敬簇鑫, 柳鹏程

• 药材与资源 •

- 1228 加权基因共表达网络分析挖掘老鸦瓣芽茎发育关键基因
张军霞, 郭巧生, 朱再标, 徐碧霞
- 1236 不同产地铁皮石斛茎中内生真菌群落结构与农艺性状差异相关性分析
刘朝波, 闻伟锷, 李肇高, 罗婷婷, 徐德林, 钱 刚, 何芋岐, 李 林
- 1243 摘除花蕾对林下参不同部位中人参皂苷和植物激素含量的影响
罗嘉仪, 罗旖璐, 韩红亮, Galina Ramskaya, 徐 娟, 林学镁
申玲玲, 何 新, 纪瑞锋
- 1252 基于熵权法的灰色关联法-TOPSIS 法对不同产地三七及其炮制品质量的评价研究
李雨昕, 邢 娜, 白浩东, 王 雪, 曾元宁, 于天颖
马恩耀, 王秋红

- 1260 2-异丁基苹果酸葡萄糖氨基苄酯类对照提取物在白及质量控制中的应用研究
刘 刚, 刘金梅, 穆开朗, 刘育辰, 孙庆文, 张永萍

• 综 述 •

- 1267 关于中药新药用饮片取样法的探讨 周跃华, 冯 丽, 衡明莉
- 1274 经典名方关键质量属性及影响因素分析
杨莎莎, 林 夏, 黄 友, 郝怡雯, 张 星, 周靖惟, 赖文静
傅超美, 章津铭, 张 珍
- 1285 二咖啡酰奎宁酸类天然产物植物来源、药动学及生物活性的研究进展
韩亚如, 马国力, 韩亚龙, 高嘉敏, 折占飞, 冯玉宝, 肖 斌
- 1299 中药镇静催眠作用机制的研究进展
孙 宁, 孙佳慧, 仲怀宇, 裴姗姗, 孙晶波
- 1311 白藜芦醇通过调控信号通路治疗膝骨关节炎的研究进展
杨 萍
- 1321 黄芪有效成分抗骨质疏松症作用机制的研究进展
刘 路, 李 凯, 胡 阳, 李金益, 宋 敏
- 1329 中药四性的临床应用价值及与五味的关系
王洋洋, 匡海学, 苏发智, 乔威杰, 王 雨, 孙延平, 杨炳友
- 1342 沉香大健康产品开发进展与展望
来银芳, 丁宗妙, 华丽萍, 杨佳力, 朱顺耀, 李晶晶, 石森林

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 * 35 * 2023 - 04

CHINESE TRADITIONAL AND HERBAL DRUGS

Vol. 54 No. 4 Feb. 2023

Chinese Traditional and Herbal Drugs

(Semimonthly)

Founded in January, 1970

Supervisord 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

· Chemical Constituents ·

- 1017** Study on secondary metabolites of endophytic fungus *Irpex laceratus* A878 from *Pogostemon cablin*
WANG Nuo-yi, LIU Hong-xin, CHEN Yu-chan, ZHANG Wei-min, GAO Xiao-xia

- 1026** A new quinolizidine alkaloid from *Oxytropis ochrocephala*
WANG Ting-ting, ZHANG Ya-kun, ZHANG Hong-yan, XUE Zhan, HUO Xiao-min, ZENG Yan-rong, TAN Cheng-jian

- 1033** Indole alkaloids from roots of *Rauvolfia yunnanensis* and its antibacterial activities
WU Hao, SONG Jing-feng, FAN Kun, QIN Ma-long, HU Wei-yan, GUO Rui-rong, GAO Wen, ZAHNG Rong-ping, LI Yu-peng, YU Hao-fei, DING Cai-feng

- 1043** Study on chemical constituents of "Taibai Qi Yao" *Fallopia multiflora* var. *ciliinervis*
TANG Shu-wan, LI Xin-liang, MA Li, ZHENG Yun-feng, LI Cun-yu, CHENG Xiao-lan, CAO Peng, PENG Guo-ping

- 1051** Metabolite identification and metabolic pathway analysis of Bufei Huoxue Capsules in rats
REN Hui, GUO Sheng, ZHANG Yi-ying, LI Quan, WANG Heng-bin, GENG Wan-li, QIAN Da-wei, DUAN Jin-ao

· Pharmaceutics and Technology ·

- 1064** *In vitro* and *in vivo* evaluation of Fufang Danshen Biphasic Capsules
XIA Ming-yan, WU Qiu-yang, WANG Can-jian, YANG Tao, LI Dong-xun, WEI Xin-hua, WANG Tang-xun, ZHANG Guan-sheng, ZHANG Wen-liu, ZHANG Guo-song

- 1076** Feasibility analysis of near-infrared spectroscopy technology applied to classification and identification of four kinds of taste in traditional Chinese medicine
WANG Xiao-peng, ZHANG Lu, CHEN Peng-ju, WANG Yan-li, LI Han, GUI Xin-jing, LIU Rui-xin, LI Xue-lin

- 1087** Numerical simulation of *Lonicera Japonicae Flos* particles in cyclone separator
MIAO Kun-hong, CUI Peng-di, XUE Qi-long, YU Yang, LI Zheng

- 1098** Study and analysis on transmission law of quantity value between *Thesii Herba* and standard decoction
YAN Lu, PU Jing-zhe, GUAN Yue-qin, ZHENG Wei-bing, SUN Yi-fei, ZHANG Ya-zhong

- 1106** Fingerprints of classical prescription Yanghe Decoction and predictive analysis of its efficacy related substance
ZHANG Ze-kang, ZHANG Qing, DOU Min-hang, WANG Chang-hai, ZHAO Yue-ying, XI Cheng, ZHANG Xin-yu, SUN Meng, DONG Shuang, DU Shou-ying, BAI Jie, LU Yang

- 1120** Effects of powder properties of Chinese medicine on particle moisture absorptionbased on multi-variety water-alcohol double extracts
QIN Chun-juan, YAN Ming, WANG Zhen-zhong, ZHANG Chen-feng, WANG Tuan-jie, XU Fang-fang, XIAO Wei

- 1127** Study on quality standard of fresh *Rehmanniae Radix* formula granules based on standard decoction
ZHANG Zhi-peng, XU Jie, LIU Pei-yi, HUANG Meng-ting, ZHONG Zhi-kui, CHENG Xue-ren

· Pharmacological Studies and Clinical Observations ·

- 1138** Effect of alkannin on apoptosis of acute myeloid leukemia cells by down-regulating Trx/Akt pathway
XU Hong-hong, CHANG Xiao, LUO Qiong, ZHANG Bo

- 1149** Effect of gypenosides on regulating blood lipid based on lipidomics
ZENG Di, ZHOU Chang-yuan, LONG Jian, HU Xue-li, TU Xing, WEN De-jian, HU Ze-hua, YANG Bao

- 1157** Mechanism of puerin II on improving atherosclerosis in ApoE^{-/-} mice with hyperlipidemia
WANG Xin-yu, ZHAO Yi-mu, GAO Yun, YIN Zi-yu, WANG Ling-xiao, MA Jia-le, ZHAO Yun-fang, ZHENG Jiao, LI Jun

- 1164** Anti-drinking effect and mechanism of Jingfang Granules on acute drunkenness model mice
GAO Ming, ZHANG Xia, LUO Dai-min, YANG Ruo-cong, RAO Zhi-li, ZENG Nan

- 1173** Effect and mechanism of Danhong Injection on promoting blood circulation and removing blood stasis in rats with acute blood stasis based on vWF/GPIb-IX-V signal pathway
LIU Xu, WU Su-hui, CHEN Xiao-fei, ZHANG Yu-hang, LI Han-bing, TANG Jin-fa

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

Feb. 28, 2023

Editor in Charge of English

JIANG Dan

Editor in Charge of This Issue

WANG Wen-qian

- 1184 Xiaoyan Decoction reverses cisplatin resistance in lung cancer by intervening Beclin1-YAP1 loop
YANG Pei-ying, LIU Hong-gen, JIA Ying-jie
- 1190 Mechanism of Huazhi Rougan Granule in treatment of non-alcoholic fatty liver disease based on intestinal flora and metabolomics
ZHU Chun-sheng, SHI Ya-min, FU Zhi-hui, YU Dong-sheng, BIAN Meng, NIE An-zheng, LI Xiao-ping
- 1201 Clinical observation of Suhexiang Pills in treatment of patients infected with SARS-CoV-2
LIU Qing-quan, LI Guo, ZHANG Jie, WANG Yan-jun, WANG Zhen, ZHANG Xiao-guang, ZHANG Bao-hua, RUAN Hang
- Data Mining and Evidence-Based Medicine ·
- 1208 Visualization and analysis of dose-effect relationship of traditional Chinese medicine compound prescriptions based on CiteSpace knowledge network mapping
FU Jin-jie, LIU Xin-ya, HAO Zheng, SONG Wen-jie, FU Yan-ling
- 1220 Mining and analysis of adverse reaction signal of Qingkailing Injection based on real world data
XIA Xu-dong, CHENG Wei-gao, ZHOU Ming, JING Yun-xin, LIU Peng-cheng
- Medicinal Materials ·
- 1228 Key Genes involving in stolon development of *Amana edulis* with weighted gene co-expression network analysis
ZHANG Jun-xia, GUO Qiao-sheng, ZHU Zai-biao, XU Bi-xia
- 1236 Correlation analysis between endophytic fungal and agronomic traits in *Dendrobium officinale* from different habitats
LIU Chao-bo, WEN Wei-e, LI Zhao-gao, LUO Ting-ting, XU De-lin, QIAN Gang, HE Yu-qi, LI Lin
- 1243 Influence of buds removal on content of ginsenosides and phytohormones in different part of similar wild *Panax ginseng*
LUO Jia-yi, LUO Yi-lu, HAN Hong-liang, Galina Ramskaya, YU Juan, LIN Xue-mei, SHEN Ling-ling, HE Xin, JI Rui-feng
- 1252 Study on quality evaluation of *Notoginseng Radix et Rhizoma* and its processed products from different producing areas by grey correlation method and TOPSIS method based on entropy weight method
LI Yu-xin, XING Na, BAI Hao-dong, WANG Xue, ZENG Yuan-ning, YU Tian-ying, MA En-yao, WANG Qiu-hong
- 1260 Study on application of glucosyloxybenzyl 2-isobutylmalates reference extract in quality control of *Bletilla striata*
LIU Gang, LIU Jin-me, MU Kai-lang, LIU Yu-chen, SUN Qing-wen, ZHANG Yong-ping
- Reviews ·
- 1267 Discussion on sampling method of decoction pieces used as raw materials of new traditional Chinese medicine
ZHOU Yue-hua, FENG Li, HENG Ming-li
- 1274 Analysis on critical quality attributes of classical famous prescription and their influencing factors
YANG Sha-sha, LIN Xia, HUANG You, HAO Yi-wen, ZHANG Xing, ZHOU Jing-wei, LAI Wen-jing, FU Chao-me, ZHANG Jin-ming, ZHANG Zhen
- 1285 Research progress on plant origins, pharmacokinetics, and biological activities of natural dicaffeoylquinic acids
HAN Ya-ru, MA Guo-li, HAN Ya-long, GAO Jia-min, SHE Zhan-fei, FENG Yu-bao, XIAO Bin
- 1299 Research progress on mechanism of sedative and hypnotic effects of traditional Chinese medicine
SUN Ning, SUN Jia-hui, ZHONG Huai-yu, PEI Shan-shan, SUN Jing-bo
- 1311 Research progress on resveratrol in treatment of knee osteoarthritis by regulating signaling pathway
YANG Ping
- 1321 Research progress on anti-osteoporosis mechanism of active components in *Astragalus Radix*
LIU Lu, LI Kai, HU Yang, LI Jin-ji, SONG Min
- 1329 Clinical value of four natures of traditional Chinese medicine and its relationship with five flavors
WANG Yang-yang, KUANG Hai-xue, SU Fa-zhi, QIAO Wei-jie, WANG Yu, SUN Yan-ping, YANG Bing-you
- 1342 Development and prospect of Chinese medicine *Aquilaria sinensis* health products
LAI Yin-fang, DING Zong-miao, HUA Li-ping, YANG Jia-li, ZHU Shun-yao, LI Jing-jing, SHI Sen-lin