



中华中医药学会系列期刊



CSCD来源期刊  
北大中文核心期刊  
中国科技核心期刊  
RCCSE权威学术期刊(A+)  
美国《化学文摘》统计源期刊

ISSN 1005-9903  
CN 11-3495/R

Q K 1 7 4 2 8 9 1

ZHONGGUO

SHIYAN

FANGJIXUE

ZAZHI

# 中国实验方剂学杂志

— Chinese Journal of Experimental Traditional Medical Formulæ —

## 本期推荐

- 21种辛味中药挥发油透皮促渗效果的药性规律分析
- 乌梅丸对慢性萎缩性胃炎患者血清炎症指标、免疫功能的影响
- 冬虫夏草蛋白提取物抗A549肺癌细胞及免疫活性分析
- 气滞血瘀证动物模型研究现状

1  
2018

2018年1月 第24卷 第1期  
January Vol.24 No.1

主管：国家中医药管理局  
主办：中国中医科学院中药研究所  
中华中医药学会  
万方数据



杂志官方微信

# 中国实验方剂学杂志

Zhongguo Shiyan Fangjixue Zazhi

半月刊

1995 年 10 月创刊

第 24 卷

第 1 期

2018 年 1 月 5 日出版

主 管 国家中医药管理局

(100027 北京市东城区工体西路 1 号)

主 办 中国中医科学院中药研究所

(100700 北京市东直门内南小街 16 号)

中华中医药学会

(100029 北京市朝阳区樱花园东街甲 4 号)

主 编 吴以岭

编辑出版 中国实验方剂学杂志编辑部

(100700 北京市东直门内南小街 16 号)

电话:(010)84076882

传真:(010)84076882

E-mail:syfjx\_2010@188.com

网址:www.syfjxzz.com

广 告 中国实验方剂学杂志广告部

(100700 北京市东直门内南小街 16 号)

电话:(010)84076882

传真:(010)84076882

印 刷 北京顶佳世纪印刷有限公司

(100076 北京市大兴区西红门镇)

国内发行 北京报刊发行局

(100055 北京丰台区莲花池东路 126 号)

订阅 全国各地邮局

邮发代号 2-417

国外发行 中国国际图书贸易集团有限公司

订阅代号 SM4655

邮 购 中国实验方剂学杂志社

(100700 北京市东直门内南小街 16 号)

电话:(010)84076882

中国标准连续出版物号 ISSN 1005-9903

CN 11-3495/R

广告许可证 京东工商广登字 20170076 号

国内定价 每期 48 元,全年 1152 元

## 目 次

### · 药剂与炮制 ·

21 种辛味中药挥发油透皮促渗效果的药性规律分析

姚俊宏, 蒋秋冬, 陈军, 杨文国, 姚映芷, 段金廒 ..... ( 1 )

鲜干品组方六神曲发酵前后指标成分的 LC-MS 测定及

指纹图谱分析

王丽芳, 高文远, 徐鑫, 张学栋, 肖斌, 胡凤娇 ..... ( 8 )

基于 UPLC 测定桂枝茯苓胶囊中 8 种活性成分的溶出度

何艳梅, 林虓, 王雪, 李家春, 黄文哲, 萧伟 ..... ( 14 )

头花蓼不同极性部位抑菌作用的谱效学分析

姚元贵, 张丽艳, 谢立敏, 周英, 王静蓉, 姜志宏, ..... ( 20 )

唐靖雯, 傅婷婷, 薛鑫宇 ..... ( 26 )

酒制对女贞子饮片主要化学成分含量的影响

霍雨佳, 岳琳, 刘颖, 苏慧, 扶娅东, 李丽, ..... ( 26 )

### · 资源与鉴定 ·

基于 UHPLC-TOF-MS 技术建立金线莲的指纹图谱及金线

莲苷的含量测定方法

张藏蔓, 卢敬光, 谢启师, 王丹, 詹华杏, 高进, ..... ( 31 )

华细辛苯丙氨酸解氨酶基因的克隆与生物信息学分析

林懋怡, 郑柳, 刘晋杰, 吉平平, 刘忠 ..... ( 38 )

含当归中成药的 DNA 提取及其分子鉴定

苟惠, 王泽伟, 郑茜, 王钦, 张春 ..... ( 44 )

### · 化学与分析 ·

UPLC 测定全缘叶绿绒蒿花中 3 种黄酮类成分

向海燕, 黄艳菲, 金乾, 刘圆 ..... ( 51 )

石榴花的化学成分分离鉴定

黄斌, 金晨, 何玉琴, 周彩虹, 赵艳红, 张凌 ..... ( 56 )

蒲公英叶脂溶性成分的 GC-MS 分析及其活性探讨

段红波, 宦臣臣, 梁引库, 徐仲阳, 任晓峰 ..... ( 60 )

· 药物代谢 ·

巴西苏木素在大鼠体内的代谢产物与代谢途径分析

梁光焰, 吴云山, 陈伟英, 刘博, 果德安 ..... ( 67 )

基于大鼠脑缺血再灌注损伤模型建立辛芍组方中灯盏乙素和芍药苷的 PK-PD 结合模型

巩仔鹏, 胡建春, 李梅, 陈亭亭, 吴林霖, 李月婷, 李勇军, 兰燕宇, 王永林, 王爱民 ..... ( 74 )

· 药理 ·

冬虫夏草蛋白提取物抗 A549 肺癌细胞及免疫活性分析

王玉贤, 王艺璇, 陈蓉, 万德光, 彭成, 沈才洪, 童芯锌, 国锦琳 ..... ( 79 )

参苓白术散对 COPD 大鼠下丘脑及胃组织 Ghrelin, Obestatin 的影响

孙杰, 王东晓, 桑凯 ..... ( 85 )

胃肠安对人胃癌裸鼠皮下移植瘤的抑制作用

陈伟霞, 牛垚飞, 邹煜明, 陈彬, 丁亚杰, 唐亚荣, 赵爱光 ..... ( 91 )

豨桐丸对大鼠痛风性关节炎的影响及机制

贾萍, 陈刚 ..... ( 96 )

糖肾清 1 号对糖尿病肾病模型大鼠肾组织 MCP-1, RANTES 表达的影响

孙翠英, 王洁, 张承承, 白羽, 房铁生, 白华, 张笑栩, 何玉玺, 王达利, 张正菊, 孟凤仙 ..... ( 102 )

抵当汤调控 NF- $\kappa$ B 通路干预 DM 大鼠心肌炎症反应的机制

储全根, 王玲, 张凯, 潘小凤 ..... ( 109 )

灰树花多糖对 CIF 模型磷酸化 p38 MAPK 表达的影响

雷萍, 马贤德, 徐铭, 韩晓伟, 侯殿东 ..... ( 114 )

人参皂苷 Rb<sub>1</sub>对脑缺血大鼠 GFAP 及脑血流的影响

杨春艳, 郭英, 李晨, 熊云霞, 陆学海, 赵丽琴, 罗海芸 ..... ( 119 )

麦冬提取物对胰岛素抵抗大鼠肝组织 miRNA-29a 及 FOXO3 表达的影响

王磊, 秦玖刚, 王川 ..... ( 124 )

布渣叶对非酒精性脂肪性肝病小鼠的作用及机制

宿世震, 项东宇, 刘晓庆, 荆雪宁, 孟繁伟 ..... ( 130 )

扶正祛风方对膜性肾病大鼠蛋白尿及肾脏病理改变的影响

郭晓媛, 蔡月茹, 孙广宇, 王暴魁, 谢璇, 蔡倩, 赵宗江, 杨美娟 ..... ( 136 )

· 安全性评价 ·

同仁安神丸的安全性评价

刘靖, 李春英, 赵雍, 易艳, 王连媚, 田婧卓, 邓诺, 李小龙, 李桂琴, 潘辰, 韩佳寅, 张宇实,

刘素彦, 解素花, 李晋生, 梁爱华 ..... ( 142 )

痔血胶囊肝毒性药物因素分析

范琼尹, 赵保胜, 张晶璇, 李品, 贾旭, 王停 ..... ( 150 )

· 临床 ·

乌梅丸对慢性萎缩性胃炎患者血清炎症指标、免疫功能的影响

杨静波，赵长普，张娟 ..... (158)

傅青主火丹神方加味联合西医治疗肝经郁热型老年胸段中重度带状疱疹的作用机制

韩晓东，黄炜，常亚军，张海霞，温馨 ..... (163)

加味升降散对饮停胸胁型结核性胸膜炎的疗效及对患者胸腔积液 ADA，免疫功能，T 淋巴细胞及  
炎症因子水平的影响

王涛，田彦卿，王岫峥，高云，高月云，张占英，赵永辰 ..... (169)

培土生金方对慢性阻塞性肺疾病稳定期患者气道重塑机制的观察

黄少君，傅汝梅 ..... (174)

平胃散合桂枝芍药知母汤加减治疗慢性痛风性关节炎的疗效机制

李建，张洁瑛，孙鹏，陈爽 ..... (180)

· 药政管理 ·

制药 4.0 背景下关于智慧文件管理系统的探讨

邓婷，刘梦，武小贊，胡荣，郑小红 ..... (186)

· 综述 ·

少数民族地区右江流域特色民族药研究进展

卢柳拂，林梦瑶，黄锁义，喻巧容，李庭树 ..... (191)

轴手性在药物研究与开发中的重要性

苏海国，周勤梅，沈垠桥，郭力，戴鸥 ..... (201)

列当属药用植物化学成分、生物活性及临床应用研究进展

曲正义，金银萍，张玉伟，王兆森，姚春林，王英平 ..... (209)

气滞血瘀证动物模型研究现状

刘楠，姜云耀，李莹，侯金才，刘建勋 ..... (217)

中医药对大肠癌信号通路的调控作用

王菁雯，沈克平，胡兵 ..... (227)

· 信息 ·

《中国实验方剂学杂志》第四届编委会名单 ..... (封二)

《中国实验方剂学杂志》稿约 ..... (封三)

[期刊基本参数] CN11-3495/R \* 1995 \* s \* 16 \* 234 \* zh \* P \* ¥35.00 \* 5000 \* 37 \* 2018-01

本期责任编辑：邹晓翠

# CHINESE JOURNAL OF EXPERIMENTAL TRADITIONAL MEDICAL FORMULAE

Semimonthly

Established in October, 1995

Vol. 24 No. 1

January 2018

## Responsible Institution

State Administration of Traditional Chinese Medicine  
(No. 1, Gongtixilu, Dongcheng District, Beijing, 100027)

## Sponsor

Institute of Chinese Materia Medica, China Academy of Chinese Medical Sciences  
(No. 16, Nanxiaojie, Dongzhimennei, Beijing, 100700)

China Association of Chinese Medicine  
(No. 4, Yinghuayuandongjie, Chaoyang District, Beijing, 100029)

## Editor-in-Chief

WU Yi-ling

## Edited and Published by

Editorial Office of China Journal of Experimental Traditional Medical Formulae  
(16, Nanxiaojie, Dongzhimennei, Beijing, 100700)

Tel: (010)84076882

Fax: (010)84076882

E-mail: syfx\_2010@188.com

Website: <http://www.syfxzz.com>

## Printed by

Beijing Topcent Printing Co., Ltd.  
(No. 5, Jinfu Street, Daxing District, Beijing, 100076)

## Domestic Subscription

Distributed by Beijing Subscription Bureau  
(126, Lianhuachidonglu, Fengtai District, Beijing, 100055)  
Subscription Code 2-417

## Overseas Subscription

China International Book Trading Corporation  
(P. O. Box 399, Beijing, 100044)  
Code SM4655

## Order from local post office

Order from mail Publishing House of China Journal of Experimental Traditional Medical Formulae  
(16, Nanxiaojie, Dongzhimennei, Beijing, 100700)  
Tel: (010)84076882

ISSN 1005-9903  
CN 11-3495/R

## CONTENTS IN BRIEF

### Regulation of Transdermal Penetration Enhancement

#### Effect of 21 Pungent Essential Oils Based on Drug

#### Property Characteristics of Chinese Materia Medica

YAO Jun-hong, JIANG Qiu-dong, CHEN Jun,  
YANG Wen-guo, YAO Ying-zhi, DUAN Jin-ao ..... ( 1 )

### Determination of Index Components and Fingerprint About

#### Medicated Leaven Composed of Fresh or Dry Medicines

#### Before and After Fermentation by LC-MS

WANG Li-fang, GAO Wen-yuan, XU Xin, ZHANG Xue-dong,  
XIAO Bin, HU Feng-jiao ..... ( 8 )

### Determination of Dissolution of Eight Active Ingredients in

#### Guizhi Fuling Capsules by UPLC

HE Yan-mei, LIN Xiao, WANG Xue, LI Jia-chun,  
HUANG Wen-zhe, XIAO Wei ..... ( 14 )

### Spectrum-effect Relationship of Antibacterial Effect of

#### Different Polar Part of *Polygonum capitatum*

YAO Yuan-gui, ZHANG Li-yan, XIE Li-min, ZHOU Ying,  
WANG Jing-rong, JIANG Zhi-hong, TANG Jing-wen,  
FENG Ting-ting, XUE Xin-yu ..... ( 20 )

### Effect of Processing with Wine on Content of Main Chemical

#### Components in *Ligustrum Lucidi Fructus Decoction Pieces*

HUO Yu-jia, YUE Lin, LIU Ying, SU Hui, FU Ya-dong,  
LI Li, WANG Cheng-yong ..... ( 26 )

### Establishment of Fingerprint and Determination of

#### Kinsenoside of *Herba Anoectochili* from Different

#### Sources by UHPLC-TOF-MS

ZHANG Cang-man, LU Jing-guang, XIE Qi-shi, WANG Dan,  
ZHAN Hua-xing, GAO Jin, WANG Jing-rong,  
JIANG Zhi-hong ..... ( 31 )

### Cloning and Bioinformatics Analysis of Phenylalanine

#### Ammonia-lyase Gene in *Asarum sieboldii*

LIN Mao-yi, ZHENG Liu, LIU Jin-jie, JI Ping-ping,  
LIU Zhong ..... ( 38 )

<b>DNA Extraction and Molecular Identification in Angelicae Sinensis Radix Preparations</b>	( 44 )
GOU Hui, WANG Yi-wei, ZHENG Xi, WANG Qin, ZHANG Chun .....	
<b>Determination of Three Flavonoids in Flower of <i>Meconopsis integrifolia</i> by UPLC</b>	( 51 )
XIANG Hai-yan, HUANG Yan-fei, JIN Qian, LIU Yuan .....	
<b>Chemical Constituents of <i>Punica granatum</i> Flower</b>	( 56 )
HUANG Bin, JIN Chen, HE Yu-qin, ZHOU Cai-hong, ZHAO Yan-hong, ZHANG Ling .....	
<b>GC-MS Analysis and Activity Research of Liposoluble Constituents from <i>Taraxacum mongolicum</i> Leaves</b>	( 60 )
DUAN Hong-bo, HUAN Chen-chen, LIANG Yin-ku, XU Zhong-yang, REN Xiao-feng .....	
<b>Metabolites and Metabolic Pathway Analysis of Brazilin in Rats by UPLC-Q-TOF-MS/MS</b>	( 67 )
LIANG Guang-yan, WU Yun-shan, CHEN Wei-ying, LIU Bo, GUO De-an .....	
<b>Establishment of PK-PD Binding Model of Scutellarin and Paeoniflorin in Xinshao Formula Based on Model of Cerebral Ischemia Reperfusion Injury in Rats</b>	( 74 )
GONG Zi-peng, HU Jian-chun, LI Mei, CHEN Ting-ting, WU Lin-lin, LI Yue-ting, LI Yong-jun, LAN Yan-yan, WANG Yong-lin, WANG Ai-min .....	
<b>Effect of Protein Extracts of Cordyceps on Growth of A549 Cells and Immune Activity of Mouse Peritoneal Macrophages <i>in Vitro</i></b>	( 79 )
WANG Yu-xian, WANG Yi-xuan, CHEN Rong, WAN De-guang, PENG Cheng, SHEN Cai-hong, TONG Xin-xin, GUO Jin-lin .....	
<b>Effect of Shenling Baizhusan on Expression of Ghrelin and Obestatin in Hypothalamus and Gastric Tissue of COPD Rats</b>	( 85 )
SUN Jie, WANG Dong-xiao, SANG Kai .....	
<b>Inhibitory Effect of Weichang'an Granule on Human Gastric Cancer Xenografts in Nude Mice</b>	( 91 )
CHEN Wei-xia, NIU Yao-fei, ZOU Yu-ming, CHEN Bin, DING Ya-jie, TANG Ya-rong, ZHAO Ai-guang .....	
<b>Effect and Mechanism of Xitongwan on Gouty Arthritis Induced by Monosodium Urate in Rats</b>	( 96 )
JIA Ping, CHEN Gang .....	
<b>Effect of Tangshenqing No. 1 on Expression of MCP-1 and RANTES in Renal Tissues of Diabetic Nephropathy Rats</b>	( 102 )
SUN Cui-ying, WANG Jie, ZHANG Cheng-cheng, BAI Yu, FANG Tie-sheng, BAI Hua, ZHANG Xiao-xu, HE Yu-xi, WANG Da-li, ZHANG Zheng-ju, MENG Feng-xian .....	
<b>Effect of Didangtang on Inflammatory Reaction in Myocardium of DM Rats of by Modulating NF-<math>\kappa</math>B Pathway</b>	( 109 )
CHU Quan-gen, WANG Ling, ZHANG Kai, PAN Xiao-feng .....	
<b>Effect of Grifola Frondosa Polysaccharide on Expression of p-p38 MAPK in CIF Model</b>	( 114 )
LEI Ping, MA Xian-de, XU Ming, HAN Xiao-wei, HOU Dian-dong .....	
<b>Effect of Ginsenoside Rb<sub>1</sub> on GFAP/Regional Cerebral Blood Flow After Photochemical Ischemia in Rats</b>	( 119 )
YANG Chun-yan, GUO Ying, LI Chen, XIONG Yun-xia, LU Xue-hai, ZHAO Li-qin, LUO Hai-yun .....	
<b>Effect of Ophiopogonis Radix Extract on Expressions of miRNA-29a and FOXO3 in Liver Tissues of Insulin Resistant Rats</b>	( 124 )
WANG Lei, QIN Jiu-gang, WANG Chuan .....	
<b>Effect and Mechanism of Micrococtis Folinm on Mouses with Non-alcoholic Fatty Liver Disease</b>	( 130 )
SU Shi-zhen, XIANG Dong-yu, LIU Xiao-qing, JING Xue-ning, MENG Fan-wei .....	

<b>Effect of Fuzheng Qufeng Prescription on Albuminuria and Renal Pathological Changes in Rats with Membranous Nephropathy</b>	
GUO Xiao-yuan, CAI Yue-ru, SUN Guang-yu, WANG Bao-kui, XIE Xuan, CAI Qian, ZHAO Zong-jiang, YANG Mei-juan .....	(136)
<b>Safety of Tongren Anshen Pill</b>	
LIU Jing, LI Chun-ying, ZHAO Yong, YI Yan, WANG Lian-mei, TIAN Jing-zhuo, DENG Nuo, LI Xiao-long, LI Gui-qin, PAN Chen, HAN Jia-yan, ZHANG Yu-shi, LIU Su-yan, XIE Su-hua, LI Jin-sheng, LIANG Ai-hua .....	(142)
<b>Analysis on Drug Factors for Hepatotoxicity of Zhixue Capsule</b>	
FAN Qiong-ying, ZHAO Bao-sheng, ZHANG Jing-xuan, LI Pin, JIA Xu, WANG Ting .....	(150)
<b>Effect of Wumeiwan on Inflammatory Biomarkers, Immune function in Patients with Chronic Atrophic Gastritis</b>	
YANG Jing-bo, ZHAO Chang-pu, ZHANG Juan .....	(158)
<b>Effect of Fuqingzhu Huodan Shenfang in Treatment of Herpes Zoster with Liver Meridian</b>	
HAN Xiao-dong, HUANG Wei, CHANG Ya-jun, ZHANG Hai-xia, WEN Xin .....	(163)
<b>Efficacy of Modified Shengjiangsan in Treatment of Chest and Hypochondrium Fluid-retention Type Tuberculous Pleurisy and Effect on Pleural effusion, Immune Function, T-lymphocytes and Inflammatory Factors</b>	
WANG Tao, TIAN Yan-qing, WANG Xiu-zheng, GAO Yun, GAO Yue-yun, ZHANG Zhan-ying, ZHAO Yong-chen .....	(169)
<b>Mechanism of Peitu Shengjin Decoction for Airway Remodeling in Patients with Chronic Obstructive Pulmonary Disease at Stationary Phase</b>	
HUANG Shao-jun, FU Ru-mei .....	(174)
<b>Clinical Efficacy of Addition and Subtraction Treatment of Pingweisan Combined with Guizhi Shaoyao and Zhimu Tang for Chronic Gouty Arthritis</b>	
LI Jian, ZHANG Jie-ying, SUN Peng, CHEN Shuang .....	(180)
<b>Discussion on Intelligent File Management System in Pharmaceutical 4. 0</b>	
DENG Ting, LIU Meng, WU Xiao-yun, HU Rong, ZHENG Xiao-hong .....	(186)
<b>Research Progress of Characteristic National Medicine of Youjiang River Basin in Ethnic Minority Areas</b>	
LU Liu-fu, LIN Meng-yao, HUANG Suo-yi, YU Qiao-rong, LI Ting-shu .....	(191)
<b>Importance of Axial Chirality in Drugs Research and Development</b>	
SU Hai-guo, ZHOU Qin-mei, SHEN Yin-qiao, GUO Li, DAI Ou .....	(201)
<b>Research Advances on Chemical Constituents, Bioactivities and Clinical Application of Medicinal Plants in <i>Orobanche</i></b>	
QU Zheng-yi, JIN Yin-ping, ZHANG Yu-wei, WANG Zhao-sen, YAO Chun-lin, WANG Ying-ping .....	(209)
<b>Current Status of Animal Model Research of Qi Stagnation and Blood Stasis Syndrome</b>	
LIU Nan, JIANG Yun-yao, LI Ying, HOU Jin-cai, LIU Jian-xun .....	(217)
<b>Effect of Traditional Chinese Medicine in Regulating Signal Pathways in Colorectal Carcinoma</b>	
WANG Jing-wen, SHEN Ke-ping, HU Bing .....	(227)

Responsible editor: ZOU Xiao-cui

1995-2018



国内发行：邮发代号 2-417  
国外发行：订阅代号 SM4655

万方数据

ISSN 1005-9903  
CN 11-3495/R

定价：48.00元

ISSN 1005-9903



9 771005 990184