



中华中医药学会系列期刊



CSCD来源期刊
中国中文核心期刊
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 8 0 8 0 4 1

ZHONGGUO

SHIYAN

FANGJIXUE

ZAZHI

中国实验方剂学杂志

— Chinese Journal of Experimental Traditional Medical Formulae —

本期推荐

- 健脾消癌方抑制直肠癌转移分子机制研究专题
- 中药材重金属元素及其与指标性成分相关性分析
- 运用互联网思维看中药产业链流通环节中批发企业的横向整合机会
- 气血并治方有效组分干预H/R损伤心肌细胞AMPK相关糖脂代谢通路的分析

6
2018

2018年3月 第24卷 第6期
March Vol.24 No.6

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 6 期

2018 年 3 月 20 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 ·

基于含药肠吸收液的麻黄-杏仁药对物质基础与作用

机制分析

许照,肖雄,黄刚,李莹,苏丹,李文宏 (1)

基于近红外光谱判定复方丹参片生产过程中冰片的混合

均匀性

匡艳辉,唐海蛟,王德勤,刘晓谦,覃仁安,王智民,
李楚源 (7)

基于颜色变化的麸炒白术最佳炮制火候的客观量化判别

梁乙川,郭换,刘素娟,陶明宝,陈林,刘友平,
陈鸿平 (12)

清毒消瘀颗粒的粉体学性质及制粒工艺考察

王姗姗,施崇精,刘小妹,程中琴,袁强华,宋英 (16)

制剂用水蛭原粉掩味前后主要腥臭异味物质的变化分析

范建伟,刘武占,李艳芳,苏瑞强 (22)

· 资源与鉴定 ·

基于 HRM 的常见伞形科香辛料快速鉴定

张梦婷,孙伟,师玉华,邬兰,熊超,王彩霞,
刘霞 (26)

雷公藤 *TwCYP88A1* 基因全长 cDNA 克隆与表达分析

陈上,王秀娟,张逸风,高伟 (32)

基于边缘检测的防风显微图像的分割与表征

梁丽金,卢文彪,王凤梅 (37)

西洋参根腐病与三七素积累之间关系

任绪明,蒋景龙,余妙,李丽,焦成瑾,杨玲娟 (42)

· 化学与分析 ·

怀地黄中地黄苷 A, 地黄苷 D 及益母草苷含量快速分析方法的建立

谢彩侠, 李雅静, 张苗, 耿晓桐, 雷敬卫, 王丰青, 张重义 (47)

HPLC 同时测定续断中 7 种成分的含量

马蕙文, 易红, 李春, 张东, 田莲超, 李云, 刘晓谦, 王智民 (55)

不同产地石上柏指纹图谱及主要双黄酮含量测定

蒋永梅, 黎刚, 蒋奉秦, 何群, 王刚 (61)

中药材重金属元素及其与指标性成分相关性分析

秦双双, 黄静雯, 袁媛, 于江泳, 石上梅, 金艳, 赵玉洋, 张伟, 黄璐琦 (66)

甘肃一年生、二年生红芪和黄芪 HPLC-ELSD 指纹图谱比较

许京, 叶迎, 王瑞海, 苗青, 刘丽梅 (71)

凉粉草化学成分分离鉴定

黄艳萍, 宋家玲, 吴继平, 袁萍, 沈晓萌, 邱声祥 (77)

· 药物代谢 ·

LC-MS/MS 考察白芷香豆素成分对硫酸长春新碱肠道转运及药代动力学的影响

祝婧云, 管雪静, 蒋且英, 赵国巍, 廖正根, 梁新丽 (82)

· 药理 ·

气血并治方有效组分干预 H/R 损伤心肌细胞 AMPK 相关糖脂代谢通路的分析

于永慧, 张佩, 刘剑刚, 李澎, 张大武, 王承龙 (89)

甘草苷对中波紫外线诱导人皮肤角质形成细胞凋亡的影响

张丽宏, 傅云, 廖建, 张琼, 周立祿, 周丽, 王业秋, 李建民 (96)

归芪聪志汤对 VD 模型大鼠海马神经元 Claudin-1, TGF- β 表达的影响

马春林, 张宣, 刘佳楠, 朱凯敏, 崔淑梅, 李海龙, 吴红彦 (102)

金蝉花多糖对 D-GlaN 致小鼠急性肝损伤的保护作用及机制

温萍, 陈盛铎, 郑兵, 梁海莉, 汪婷, 白丽英, 陶君秀, 张弦, 王家瑞 (108)

基于 TGF- β_1 /Smad3 信号通路调控的温阳益气方对心梗后结构重塑的干预作用

张会超, 韩丽华, 索红亮, 袁彬 (114)

垂盆草总黄酮及异鼠李素对对乙酰氨基酚诱导的 L02 细胞损伤的保护作用

蒋志涛, 王雪, 王建春, 陈晓峰, 王建平, 潘金火 (121)

甘草酸预处理对大鼠心肌缺血再灌注损伤的保护作用及 Bcl-2 和 Bax 表达的影响

王军, 张虹, 谢凤杰, 李海红 (126)

丹皮酚联合三七总皂苷对大鼠糖尿病心肌纤维化的影响

贾卓雅, 石凯行, 范彦芳, 李前宽, 周晓慧 (133)

加味芍药甘草汤对多囊卵巢综合征模型大鼠的干预作用

程瑶, 邵云云, 常壮鹏, 樊磊, 刘俊瑾, 侯锐钢 (139)

生脉姜黄散对鼻咽癌 CNE-2 细胞裸鼠移植瘤的放射增敏作用

黄沫, 李爱武, 刘钊汝, 朱道琦, 杨家彬, 刘诗雅, 吕英, 范钦 (145)

· 健脾消癌方抑制直肠癌转移分子机制研究专题 ·

健脾消癌方抑制结肠癌增殖的作用机制

罗燕, 罗吉, 蒋益兰, 李勇敏, 谭小宁, 吕元, 马荣丽 (151)

健脾消癌方及其拆方对肠癌模型裸鼠体质量、瘤体、转移率及 Caspase-3, Bcl-xL, Bax 蛋白表达的影响

简小兰, 何兰, 李勇敏, 吕元, 谭小宁, 罗吉, 罗燕, 蒋益兰 (156)

健脾消癌方对结肠癌 TGF- β /lncRNA-ATB/miR-200a 信号通路的影响

罗吉, 罗燕, 李勇敏, 谭小宁, 吕元, 马荣丽, 蒋益兰 (161)

结直肠癌转移模型裸鼠血管因子变化及健脾消癌方干预作用

李勇敏, 谭小宁, 徐琳本, 吕元, 奚剑敏, 蒋益兰 (167)

重楼皂苷 I 对结肠癌 HCT116 细胞凋亡及 Bax, Bcl-2, Caspase-3 蛋白表达的影响

罗吉, 罗燕, 李勇敏, 谭小宁, 吕元, 马荣丽, 蒋益兰 (172)

健脾消癌方对大肠癌肝转移裸鼠模型肝组织 PI3K/Akt 通路相关蛋白表达的影响

王容容, 谭小宁, 李勇敏, 唐蔚, 王其美, 杨晓, 简小兰, 蒋益兰 (177)

外泌体在大肠癌中的研究进展

杨晓, 罗燕, 李勇敏, 罗吉, 唐蔚, 马荣丽, 蒋益兰 (182)

· 毒理 ·

均匀设计结合多元回归分析用于淫羊藿对大鼠肝毒性的影响

张林, 张晶璇, 范琼尹, 苏泽琦, 陈聪, 彭莉, 王停 (189)

· 临床 ·

新冠心苏合活血方辨治慢性稳定型心绞痛的疗效及对 ROS, Periostin, CT-1 的影响

丁芳, 王亮, 付瑞瑞 (198)

解郁通络方对脑卒中后抑郁神经免疫炎症指标的影响

李庆丽, 王贵贤, 王艳捷, 杨明 (204)

· 药事管理 ·

运用互联网思维看中药产业链流通环节中批发企业的横向整合机会

李金凤, 张永清, 李祺 (210)

· 本草考证 ·

中药菊花的名实考证

张敏, 朱忠华 (217)

· 综述 ·

马齿苋化学成分及药理活性的现代研究整理

王天宁, 刘玉婷, 肖凤琴, 瞻博文, 严铭铭, 叶豆丹, 徐东铭 (224)

· 信息 ·

湖南省中医药研究院附属医院肿瘤中心介绍 (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 * ¥48.00 * 5000 * 39 * 2018-06

本期责任编辑: 顾雪竹

CHINESE JOURNAL OF EXPERIMENTAL TRADITIONAL MEDICAL FORMULAE

Semimonthly

Established in October, 1995

Vol. 24 No. 6

March 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: syfjx_2010@188.com
Website: <http://www.syfjxzz.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

Analysis of Material Basis and Mechanism of Ephedrae Herba-Armeniacae Semen Amarum Medicine Pair Based on

Intestinal Absorption Fluid Containing Drug

XU Zhao, XIAO Xiong, HUANG Gang, LI Ying, SU Dan, LI Wen-hong (1)

A Method for Analyzing Uniformity of Borneol in Manufactory

Process of Compound Danshen Tablets by

Near-infrared Spectroscopy

KUANG Yan-hui, TANG Hai-jiao, WANG De-qin, LIU Xiao-qian, QIN Ren-an, WANG Zhi-min, LI Chu-yuan (7)

Objective Quantification Discriminant of Optimum

Processing Time of Atractylodis Macrocephalae Rhizoma

Stir-fried with Bran Based on Color Change

LIANG Yi-chuan, GUO Huan, LIU Su-juan, TAO Ming-bao, CHEN Lin, LIU You-ping, CHEN Hong-ping (12)

Investigation of Powder Properties of Qingdu Xiaoyu

Granules and Optimization of Its Granulating Process

WANG Shan-shan, SHI Chong-jing, LIU Xiao-mei, CHENG Zhong-qin, YUAN Qiang-hua, SONG Ying (16)

Analysis on Changes of Main Stench Compounds from

Hirudo Raw Powder in Traditional Chinese Medicine

Preparations Before and After Being Taste-masked

FAN Jian-wei, LIU Wu-zhan, LI Yan-fang, SU Rui-qiang ... (22)

Rapid Identification of Common Umbelliferae Spices

Based on HRM

ZHANG Meng-ting, SUN Wei, SHI Yu-hua, WU Lan, XIONG Chao, WANG Cai-xia, LIU Xia (26)

Cloning and Bioinformatics Analysis of *TwCYP88A1*

Gene in *Tripterygium wilfordii*

CHEN Shang, WANG Xiu-juan, ZHANG Yi-feng, GAO Wei (32)

Segmentation and Characterization of Saposhnikoviae

Radix Micrograph Based on Edge Detection

LIANG Li-jin, LU Wen-biao, WANG Feng-mei (37)

Relationship Between Root Rot and Accumulation of Dencichine in <i>Panax quinquefolium</i>	(42)
REN Xu-ming, JIANG Jing-long, YU Miao, LI Li, JIAO Cheng-jin, YANG Ling-juan	
Establishment of Rapid Method for Analysis of Content of Rehmaionoside A, Rehmaionoside D and Leonuride in <i>Rehmanniae Radix</i>	
XIE Cai-xia, LI Ya-jing, ZHANG Miao, GENG Xiao-tong, LEI Jing-wei, WANG Feng-qing, ZHANG Zhong-yi	(47)
Simultaneous Determination of Seven Components in <i>Dipsaci Radix</i> by HPLC	
MA Hui-wen, YI Hong, LI Chun, ZHANG Dong, TIAN Lian-chao, LI Yun, LIU Xiao-qian, WANG Zhi-min	(55)
HPLC Fingerprint of <i>Selaginella doederleinii</i> from Different Origins and Content Determination of Biflavonoids	
JIANG Yong-mei, LI Gang, JIANG Feng-qin, HE Qun, WANG Gang	(61)
Correlation Analysis of Heavy Metals and Index Components in Traditional Chinese Medicinal Materials	
QIN Shuang-shuang, HUANG Jing-wen, YUAN Yuan, YU Jiang-yong, SHI Shang-mei, JIN Yan, ZHAO Yu-yang, ZHANG Wei, HUANG Lu-qi	(66)
HPLC-ELSD Fingerprint Comparison of One Year Old, Two Years Old <i>Hedysari Radix</i> and <i>Astragalus Radix</i> from Gansu	
XU Jing, YE Ying, WANG Rui-hai, MIAO Qing, LIU Li-mei	(71)
Isolation and Identification of Chemical Constituents of <i>Mesona chinensis</i>	
HUANG Yan-ping, SONG Jia-ling, WU Ji-ping, YUAN Ping, SHEN Xiao-meng, QIU Sheng-xiang	(77)
Effect of Coumarins from <i>Angelicae Dahuricae Radix</i> on Intestinal Transport Absorption and Pharmacokinetics of Vincristine Sulfate by LC-MS/MS	
ZHU Jing-yun, GUAN Xue-jing, JIANG Qie-ying, ZHAO Guo-wei, LIAO Zheng-gen, LIANG Xin-li	(82)
AMPK Related Glucose Metabolism and Fatty Acid Oxidation Pathways in Hypoxia/Reoxygenation Myocardial Cells: Intervened by Qixue Bingzhi Recipe	
YU Yong-hui, ZHANG Pei, LIU Jian-gang, LI Peng, ZHANG Da-wu, WANG Cheng-long	(89)
Effect of Liquiritin on UVB-induced Apoptosis of Human Keratinocytes	
ZHANG Li-hong, FU Yun, LIAO Jian, ZHANG Qiong, ZHOU Li-lu, ZHOU Li, WANG Ye-qiu, LI Jian-min	(96)
Effect of Guiqi Congzhi Decoction on Expressions of Claudin-1, TGF-β in Hippocampus Area of Vascular Dementia Rats	
MA Chun-lin, ZHANG Xuan, LIU Ja-nan, ZHU Kai-min, CUI Shu-mei, LI Hai-long, WU Hong-yan	(102)
Protective Effect and Mechanism of Polysaccharides from <i>Cordyceps cicadae</i> on Acute Liver Injury Induced by D-GlaN in Mice	
WEN Ping, CHEN Sheng-duo, ZHENG Bing, LIANG Hai-li, WANG Ting, BAI Li-ying, TAO Jun-xiu, ZHANG Xian, WANG Jia-rui	(108)
Effect of Wenyang Yiqi Decoction on Regulating Lung Structure Remodeling in Rats with Heart Failure After Myocardial Infarction Through Regulating TGF-β_1/Smad3 Signaling Pathway	
ZHANG Hui-chao, HAN Li-hua, SUO Hong-liang, YUAN Bin	(114)
Effect of Sedi Herba Total Flavanones and Isorhamnetin on APAP-induced Injured L02 Cells	
JIANG Zhi-tao, WANG Xue, WANG Jian-chun, CHEN Xiao-feng, WANG Jian-ping, PAN Jin-huo	(121)
Protective Effect of Pretreatment with Glycyrrhizic Acid on Myocardial Ischemia Reperfusion Injury in Rats and Expressions of Bcl-2 and Bax	
WANG Jun, ZHANG Hong, XIE Feng-jie, LI Hai-hong	(126)

Effect of Paeonol Combined with <i>Panax notoginseng</i> Saponins on Diabetic Myocardial Fibrosis in Rats	
JIA Zhuo-ya, SHI Kai-hang, FAN Yan-fang, LI Qian-kuan, ZHOU Xiao-hui	(133)
Intervention Effect of Modified Shaoyao Gancaotang on Polycystic Ovary Syndrome in Rats	
CHENG Yao, SHAO Yun-yun, CHANG Zhuang-peng, FAN Lei, LIU Jun-jin, HOU Rui-gang	(139)
Radiosensitization Effect of Shengmai Jianghuang Powder on Human Nasopharyngeal Carcinoma CNE-2 Cell in Nude Mice	
HUANG Mu, LI Ai-wu, LIU Zhao-ru, ZHU Dao-qi, YANG Jia-bin, LIU Shi-ya, LYU Ying, FAN Qin	(145)
Mechanism of Jianpi Xiaoai Prescription in Inhibiting Colon Cancer Proliferation	
LUO Yan, LUO Ji, JIANG Yi-lan, LI Yong-min, TAN Xiao-ning, LYU Yuan, MA Rong-li	(151)
Effect of Jianpi Xiaoai Prescription and Its Decomposed Recipes on Body Weight, Tumors, Metastasis Rate and Expressions of Caspase-3, Bcl-xL, Bax in Colorectal Cancer Model Nude Mice	
JIAN Xiao-lan, HE Lan, LI Yong-min, LYU Yuan, TAN Xiao-ning, LUO Ji, LUO Yan, JIANG Yi-lan ...	(156)
Effect of Jianpi Xiaoai Prescription on TGF-β/lncRNA-ATB/miR-200a Signal Pathway in Colorectal Cancer	
LUO Ji, LUO Yan, LI Yong-min, TAN Xiao-ning, LYU Yuan, MA Rong-li, JIANG Yi-lan	(161)
Changes of Blood Vessel Factors in Nude Mice Model with Colorectal Cancer Metastasis and Invention Effect of Jianpi Xiaoai Prescription	
LI Yong-min, TAN Xiao-ning, XU Lin-ben, LYU Yuan, XI Jian-min, JIANG Yi-lan	(167)
Effect of Polypyllin I on Apoptosis and Protein Expressions of Bax, Bcl-2 and Caspase-3 in Colorectal Cancer Cell HCT116	
LUO Ji, LUO Yan, LI Yong-min, TAN Xiao-ning, LYU Yuan, MA Rong-li, JIANG Yi-lan	(172)
Effect of Jianpi Xiaoai Prescription on Expressions of Protein Related to PI3K/Akt Pathway in Liver Tissues of Nude Mice Model of Colorectal Cancer with Liver Metastasis	
WANG Rong-rong, TAN Xiao-ning, LI Yong-min, TANG Wei, WANG Qi-mei, YANG Xiao, JIAN Xiao-lan, JIANG Yi-lan	(177)
Exosomes in Colorectal Cancer	
YANG Xiao, LUO Yan, LI Yong-min, LUO Ji, TANG Wei, MA Rong-li, JIANG Yi-lan	(182)
Hepatotoxicity of Epimedii Folium in Rat Model Based on Uniform Design and Regression Analysis	
ZHANG Lin, ZHANG Jing-xuan, FAN Qiong-yin, SU Ze-qi, CHEN Cong, PENG Li, WANG Ting	(189)
Efficacy of New Guanxin Suhe Huoxue Decoction in Treating Chronic Stable Angina Pectoris and on ROS, Periostin and CT-1 Effects	
DING Fang, WANG Liang, FU Rui-rui	(198)
Effect of Jieyu Tongluo Decoction on Neuroimmune Inflammatory Markers of Depression After Ischemic Stroke	
LI Qing-li, WANG Gui-xian, WANG Yan-jie, YANG Ming	(204)
Horizontal Consolidation Opportunities of Wholesale Enterprises in Circulation Link of Traditional Chinese Medicine Industry Chain with Internet Thinking	
LI Jin-feng, ZHANG Yong-qing, LI Qi	(210)
Original Materials with Traditional Chinese Medicine Name of Chrysanthemi Flos	
ZHANG Min, ZHU Zhong-hua	(217)
Chemical Composition and Pharmacological Activity of <i>Portulaca oleracea</i>	
WANG Tian-ning, LIU Yu-ting, XIAO Feng-qin, SUI Bo-wen YAN Ming-ming, YE Dou-dan, XU Dong-ming	(224)

Responsible editor: GU Xue-zhu

1995-2018

国内发行：邮发代号 2-417
国外发行：订阅代号 SM4655

ISSN 1005-9903
CN 11-3495/R

定价：48.00元

ISSN 1005-9903



06>
9 771005 990184

万方数据