



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核心期刊
美国《化学文摘》统计源期刊

ISSN 1005-9903
CN 11-3495/R

CHINESE JOURNAL OF EXPERIMENTAL TRADITIONAL MEDICAL FORMULAE

中国实验方剂学杂志

ZHONGGUO

SHIYAN

FANGJIXUE

ZAZHI

本期推荐

- 中药品质生态学:一个新兴交叉学科
- 用非线性光谱从分子层面上研究药物与细胞膜的作用
- 丹菱片对大鼠心肌缺血再灌注损伤的保护作用及机制
- 鲜干品组方及不同制法六神曲中消化酶活力的动态检测及分析



1 2017

2017年1月 第23卷 第1期
January Vol.23 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



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 23 卷 第 1 期 2017 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 北京昌平百善印刷厂
(102211 北京昌平区百善镇)

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

ISSN 1005-9903
CN 11-3495/R

中国标准连续出版物号

广告许可证 京东工商广字第 0029 号

国内定价 每期 35 元,全年 840 元

目 次

- 专论 ·
- 中药品质生态学:一个新兴交叉学科
黄林芳,陈士林 (1)
- 用非线性光谱从分子层面上研究药物与细胞膜的作用
陈战 (12)
- 药剂与炮制 ·
- 鲜干品组方及不同制法六神曲中消化酶活力的动态检测及
分析
王丽芳,高文远,裴香萍,刘海霞,裴妙荣 (20)
- 解毒活血中药组方复方对脂多糖诱导巨噬细胞炎症
反应的抑制作用
刘钊,钟菊迎,高尔宁,杨鸿 (25)
- 补骨脂酚对酪氨酸酶活性的影响及动力学分析
李娜,王亚静,朱光媚,王婷婷,周浩,田倩瑜,
张哲 (30)
- 资源与鉴定 ·
- 不同产地牡丹皮中微量元素与多指标成分灰色关联度
评价及相关性分析
刘威,王振中,胡军华,李家春,张振秋,萧伟 (34)
- 北豆根显微特征指数与化学成分相关性
何婉婉,张建逵,李云静,康廷国 (42)
- 化学与分析 ·
- 气血双补酞剂 HPLC 指纹图谱及含量测定
魏计超,唐英,史海水 (47)
- 半枝莲总黄酮中 7 种成分的含量测定及抗肿瘤活性
田新宇,范翠梅,渠田田,朱恩圆,季莉莉,
俞桂新 (53)
- 超高效液相色谱-质谱联用同时测定丹参中 7 种成分含量
赵国欣,刘萌,李领川,周晓莉 (60)
- UPLC 指纹图谱快速评价银杏叶提取物及制剂的质量
刘国雄,李华,张军 (64)

益心舒片的 HPLC 指纹图谱	
于桂芳, 闫显光, 殷洪梅, 李家春, 黄文哲, 王振中, 萧伟	(69)
清开灵注射液中钙元素分析	
杨维, 吴思琦, 王芦笛, 康琛, 李鹰飞	(75)
· 药物代谢 ·	
附子总生物碱在阳虚便秘模型大鼠体内的整合药动学分析	
李燕, 彦培傲, 赵梦杰, 袁岸, 龚小红, 赵梦君, 李芸霞, 彭成	(79)
LC-MS/MS 分析大鼠口服清开灵颗粒后血浆中 9 种成分的药代动力学	
赵妍, 张梅, 任爱农, 武洁, 黄厚才, 钟荣玲, 杨玉兰, 李洁	(85)
柠檬苦素在大鼠体内的排泄途径分析	
刘史佳, 冯丽雯, 戴国梁, 黄国栋, 孙冰婷, 居文政	(91)
· 药理 ·	
丹莪片对大鼠心肌缺血再灌注损伤的保护作用及机制	
李俊平, 郭丽丽, 陈中, 魏本君, 袁蓉, 陈恒文, 王阶	(95)
桃红四物汤对实验性脑缺血大鼠血清中 ET-1, Ang-1, VEGF 的影响	
王飞龙, 韩岚, 樊玲, 汪蒙蒙, 芮瑜琪, 郭栋栋, 吴欢茹, 彭代银	(101)
苦参碱类生物碱联合恩替卡韦抗耐药 HBV 的作用效果及机制分析	
陈佳欣, 沈宏辉, 刘晓琼, 王伽伯, 邹文俊, 王世宇, 肖小河	(107)
益气活血中药对急性肺损伤大鼠炎症因子及 Toll 样受体 4 mRNA 表达的影响	
秦丽, 李敏, 王毓国, 窦永起	(114)
基于活性筛选和靶标网络预测的蒲黄和赤芍选择性抑制血小板聚集作用	
王潇毅, 田晓轩, 张砚, 吴红华, 王跃飞, 朱彦	(120)
肉桂醛对 0 ℃ 冷应激大鼠背根神经节神经细胞胞浆内 Ca ²⁺ 变化及 TRPA1 和 TRPM8 mRNA 表达的影响	
康欣欣, 唐志鹏, 王立娟, 吴中华, 刘琳琳	(127)
芪参益气滴丸抗血管新生大鼠心肌缺血动态观察及机制探讨	
张腾, 张密霞, 张艳军	(134)
脊痛宁胶囊对风寒湿痹型类风湿关节炎大鼠的治疗作用	
熊丽, 杜肖, 陈宝忠, 王炎焱, 贺晓丽	(140)
金芪降糖片对糖尿病引发的认知功能障碍的影响及机制	
杨丽, 徐利满, 朱晓丹, 刘红玥, 靳学海, 宋丽丽, Alemu Paulos N, 庄朋伟, 张艳军	(146)
固本健脑方调节健忘大鼠海马组织中 AGEs/RAGE 信号通路的探讨	
姜瑞雪, 黄密, 马作峰, 李庆琳, 孙晓利	(153)
补阳还五汤对慢性不可预知性温和应激抑郁模型小鼠行为及脑海马 CA3 区病理形态学影响	
王睿, 费洪新, 王琪, 刘建华	(158)
参芎葡萄糖注射液对 H ₂ O ₂ 诱导的 HUVEC 细胞氧化损伤的保护作用	
杨洋, 刘兰, 王文华, 王永林, 李勇军, 何彬, 孙佳, 郑林, 刘亭	(163)

大黄总蒽醌对雌性大鼠下丘脑、垂体功能和结构的影响及可逆性	
宋素英, 孟欣, 佟继铭, 吴金洋, 张树峰	(169)
· 临床 ·	
加味独活寄生合剂治疗膝骨关节炎临床疗效及对关节液中 IL-1, IL-6, TNF- α 及 NO 的影响	
邝高艳, 严可, 柴爽, 卢敏	(174)
麻杏石甘汤加减结合中医定向透药疗法治疗风热犯肺证小儿肺炎	
申冬冬, 袁飞, 侯江红	(179)
泻土化瘀汤治疗顽固性失眠痰瘀内阻证的临床研究	
宋春侠, 暴宏伶, 时菁静, 龙森, 刘玉兰	(185)
疏肝通窍汤辅助治疗气滞血瘀证原发性三叉神经痛的临床观察	
姜开洋, 郑喜胜, 董莉丽	(190)
· 数据挖掘 ·	
《中国药典》2015 年版一部十八反十九畏成方制剂收录情况与应用探析	
王鹏丽, 李筠, 范欣生, 范玉浩, 吴艳, 董雯, 陆英, 段金康	(195)
《中医方剂大辞典》含生脉散类方组方规律分析	
耿亚, 许海玉, 马月香, 于国华, 唐仕欢, 杨洪军	(200)
高尿酸血症和非酒精性脂肪肝异病同治规律及分子机制预测	
周珂, 刘忠第, 谭勇, 程仕萍, 赵宁, 吕诚, 肖诚, 吕爱平	(206)
· 综述 ·	
基于代谢组学技术的中药复方研究近况	
郭慧, 崔扬, 王秋红, 匡海学	(213)
达玛烷型人参皂苷的药物代谢动力学研究概述	
徐利云, 杨志宏, 孙晓波	(220)
截叶铁扫帚化学成分及药理作用研究进展	
周健, 张创峰, 吕燕妮, 陈芳有, 张东明, 魏筱华	(228)
· 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 * 39 * 2017-01

本期责任编辑: 邹晓翠

CHINESE JOURNAL OF EXPERIMENTAL TRADITIONAL MEDICAL FORMULAE

Semimonthly

Established in October, 1995

Vol. 23 No. 1

January 2017

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, Yinghuayuangongjie, 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 Changping Baishan Printing House
(Baishan Town, Changping District, Beijing, 102211)

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

Quality Ecology on Chinese Medicines: New Emerging

Cross Discipline

HUANG Lin-fang, CHEN Shi-lin (1)

Molecular Level Studies on Drug and Cell Membrane Interactions

Using Nonlinear Optical Spectroscopy

CHEN Zhan (12)

Dynamic Detection and Analysis of Digestive Enzyme

Activity in Fermentation of Medicated Leaven

Composed by Fresh or Dry Chinese Medicine and
Manufactured by Different Methods

WANG Li-fang, GAO Wen-yuan, PEI Xiang-ping,
LIU Hai-xia, PEI Miao-rong (20)

Inhibition of Ingredients in Jiedu Huoxue Chinese

Medicine Compound on Macrophage Inflammatory

Response Induced by LPS

LIU Zhao, ZHONG Ju-ying, GAO Er-ning, YANG Hong (25)

Kinetics and Effect of Bacuchiol on Tyrosinase Activity

LI Na, WANG Ya-jing, ZHU Guang-mei, WANG Ting-ting,
ZHOU Hao, TIAN Qian-yu, ZHANG Zhe (30)

Grey Correlation Degree Evaluation and Correlation

Analysis of Trace Elements and Active Ingredients in

Moutan Cortex from Different Areas

LIU Wei, WANG Zhen-zhong, HU Jun-hua, LI Jia-chun,
ZHANG Zhen-qiu, XIAO Wei (34)

Correlation Between Microscopic Characteristic Index and

Chemical Components of Menisperm Rhizoma

HE Wan-wan, ZHANG Jian-kui, LI Yun-jing,
KANG Ting-guo (42)

Determination and Fingerprint Analysis in Quality Control of

Qixue Shuangbu Tincture

WEI Ji-chao, TANG Ying, SHI Hai-shui (47)

Determination of Seven Compounds and Antitumor Activity of Total Flavonoids from <i>Scutellariae Barbatae</i> Herba	
TIAN Xin-yu, FAN Cui-mei, QU Tian-tian, ZHU En-yuan, JI Li-li, CHOU Gui-xin	(53)
Simultaneous Determination of 7 Components in <i>Salviae Miltiorrhizae Radix et Rhizoma</i> by UPLC-MS/MS	
ZHAO Guo-xin, LIU Meng, LI Ling-chuan, ZHOU Xiao-li	(60)
Rapid Evaluation on Quality Control of Ginkgo Leaves Extract and Preparations by UPLC Fingerprint	
LIU Guo-xiong, LI Hua, ZHANG Jun	(64)
Fingerprint Analysis of Yixinshu Tablet by HPLC	
YU Gui-fang, YAN Xian-guang, YIN Hong-mei, LI Jia-chun, HUANG Wen-zhe, WANG Zhen-zhong, XIAO Wei	(69)
Analysis of Calcium Element in Qingkailing Injection	
YANG Wei, WU Si-yang, WANG Lu-di, KANG Chen, LI Ying-fei	(75)
<i>In vivo</i> Integrated Pharmacokinetics of Total Alkaloids from <i>Aconiti Lateralis Radix Praeparata</i> in Rats with Constipation Due to Insufficiency of Spleen-Yang and Kidney-Yang	
LI Yan, YAN Pei-ao, ZHAO Meng-jie, YUAN An, GONG Xiao-hong, ZHAO Meng-jun, LI Yun-xia, PENG Cheng	(79)
Pharmacokinetics of Nine Components in Rat Plasma After Oral Administration of Qingqing Granules by LC-MS/MS	
ZHAO Yan, ZHANG Mei, REN Ai-nong, WU Jie, HUANG Hou-cai, ZHONG Rong-ling, YANG Yu-lan, LI Jie	(85)
Excretion Pathway Analysis of Limonin in Rats	
LIU Shi-jia, FENG Li-wen, DAI Guo-liang, HUANG Guo-dong, SUN Bing-ting, JU Wen-zheng	(91)
Protective Effect and Mechanism of Danlou Tablets on Myocardial Ischemia Reperfusion Injury in Rats	
LI Jun-ping, GUO Li-li, CHEN Zhong, WEI Ben-jun, YUAN Rong, CHEN Heng-wen, WANG Jie	(95)
Effect of Taohong Siwutang on Contents of ET-1, Ang-1 and VEGF in Serum of Cerebral Ischemia Rats	
WANG Fei-long, HAN Lan, FAN Ling, WANG Meng-meng, GUO Yu-qi, GUO Dong-dong, WU Huan-ru, PENG Dai-yin	(101)
Anti-HBV Effect and Mechanism of Sophora Alkaloids Combined with Entecavir	
CHEN Jia-xin, SHEN Hong-hui, LIU Xiao-qiong, WANG Jia-bo, ZOU Wen-jun, WANG Shi-yu, XIAO Xiao-he	(107)
Effect of Supplementing Qi and Activating Blood Circulation Herbs on Inflammatory Factors and Toll-like Receptor 4 mRNA Expression in Rats with Acute Lung Injury	
QIN Li, LI Min, WANG Yu-guo, DOU Yong-qi	(114)
Selective Inhibitory Effect of Typhae Pollen and Paeoniae Radix Rubra on Platelet Aggregation Based on Activity Screening and Target Network Prediction	
WANG Xiao-yi, TIAN Xiao-xuan, ZHANG Yan, WU Hong-hua, WANG Yue-fei, ZHU Yan	(120)
Effect of Cinnamaldehyde on Ca²⁺ Change and TRPA1/TRPM8 mRNA Expressions in Dorsal Root Ganglia Cells of Rats with 0 °C Cold Stress	
KANG Xin-xin, TANG Zhi-peng, WANG Li-juan, WU Zhong-hua, LIU Lin-lin	(127)
Dynamic Observation and Mechanism of Qishen Yiqi Drop Pills on Myocardial Ischemia in Rats Based on Angiogenesis	
ZHANG Teng, ZHANG Mi-xia, ZHANG Yan-jun	(134)
Therapeutic Effect of Jitongning Capsule on Rats with Wind-cold-dampness Retention Type Rheumatoid Arthritis	
XIONG Li, DU Xiao, CHEN Bao-zhong, WANG Yan-yan, HE Xiao-li	(140)

Effect and Mechanisms of Jinqi Jiangtang Tablet on Cognitive Dysfunction Induced by Diabetes	
YANG Li, XU Li-man, ZHU Xiao-dan, LIU Hong-yue, JIN Xue-hai, SONG Li-li, Alemu Paulos N, ZHUANG Peng-wei, ZHANG Yan-jun	(146)
Guben Jiannao Prescription Regulates AGEs/RAGE Signaling Pathway in Hippocampus of Forgetful Aged Rats	
JIANG Rui-xue, HUANG Mi, MA Zuo-feng, LI Qing-lin, SUN Xiao-li	(153)
Effect of Buyang Huanwutang on Behavior and Pathological Morphology in Hippocampus CA3 Area in Mice Model of CUMS Depression	
WANG Rui, FEI Hong-xin, WANG Qi, LIU Jian-ua	(158)
Protective Effect of Shenxiong Glucose Injection on H₂O₂-induced Oxidative Damage of HUVEC Cells	
YANG Yang, LIU Lan, WANG Wen-hua, WANG Yong-lin, LI Yong-jun, HE Bin, SUN Jia, ZHENG Lin, LIU Ting	(163)
Effect of Rhubarb Total Anthraquinone on Function and Structure of Hypothalamus and Pituitary of Female Rats	
SONG Su-ying, MENG Xin, TONG Ji-ming, WU Jin-yang, ZHANG Shu-feng	(169)
Clinical Efficacy of Jiawei Duhuo Jisheng Mixturein Knee Osteoarthritis and Effect on IL-1, IL-6, TNF-α and NO Levels	
KUANG Gao-yan, YAN Ke, CHAI Shuang, LU Min	(174)
Clinical Efficacy of Maxing Shigan Tang Combined with Traditional Chinese Medicine Directed Penetrating Medicine for Pediatric Pneumonia Asthmatic with Syndrome of Wind-heat Invading Lung	
SHEN Dong-dong, YUAN Fei, HOU Jiang-hong	(179)
Clinical Study of Xietu Huayu Decoction on Intractable Insomnia Phlegm and Blood Stasis in Interior	
SONG Chun-xia, BAO Hong-ling, SHI Jing-jing, LONG Seng, LIU Yu-lan	(185)
Clinical Observation of Shugan Tongqiao Decoction as Adjuvant Therapy of Primary Trigeminal Neuralgia with Qi Stagnation and Blood Stasis	
JIANG Kai-yang, ZHENG Xi-sheng, DONG Li-li	(190)
Discuss on Chinese Patent Medicines Containing Eighteen Incompatible Herbs or Nineteen Mutual Antagonistic Herbs in <i>Pharmacopoeia of People's Republic of China (volume 1, 2015)</i>	
WANG Peng-li, LI Jun, FAN Xin-sheng, FAN Yu-hao, WU Yan, DONG Wen, LU Ying, DUAN Jin-ao	(195)
Composition Principles of Formula Containing Shengmaisan in <i>Dictionary of Chinese Medicine Prescription</i>	
GENG Ya, XU Hai-yu, MA Yue-xiang, YU Guo-hua, TANG Shi-huan, YANG Hong-jun	(200)
Traditional Chinese Medicine Regularities and Molecular Mechanism for Treating Different Diseases with Same Method on Hyperuricemia and Non-Alcoholic Fatty Liver Disease	
ZHOU Ke, LIU Zhong-di, TAN Yong, CHENG Shi-ping, ZHAO Ning, LYU Cheng, XIAO Cheng, LYU Ai-ping	(206)
Overview on Application of Metabonomics in Research on Chinese Medicine Compound	
GUO Hui, CUI Yang, WANG Qiu-hong, KUANG Hai-xue	(213)
Research Overview of Pharmacokinetic Study of Dammarane-type Ginsenoside	
XU Li-yun, YANG Zhi-hong, SUN Xiao-bo	(220)
Research Progress on Chemical Constituents and Pharmacological Effects of <i>Lespedeza cuneata</i>	
ZHOU Jian, ZHANG Chuang-feng, LYU Yan-ni, CHEN Fang-you, ZHANG Dong-ming, WEI Xiao-hua	(228)

Responsible editor: ZOU Xiao-cui

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

ISSN 1005-9903



定价：35.00元