



中华中医药学会系列期刊



CSCD来源期刊
北大中文核心期刊
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

- 海拔高度与黔产白及9种主要成分相关性研究
- 单因素配伍剂量对大黄甘草汤药效组分的影响
- 一测多评法在中药质量评价中的应用研究进展
- 蛇床子-补骨脂配伍引经药对乳腺癌骨转移裸鼠CXCL12-CXCR4轴的影响



黄花蒿

16
2016

2016年8月 第22卷 第16期
August Vol.22 No.16



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 22 卷

第 16 期

2016 年 8 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

中国标准连续出版物号 ISSN 1005-9903
CN 11-3495/R

广告许可证 京东工商广字第 0029 号

国内定价 每期 35 元,全年 840 元

目 次

· 药剂与炮制 ·

基于谱动学研究金(山)银花的生物等效性

贺红, 杨姣, 胡超, 周逸群, 唐宇, 周晋, 贺福元 (1)

橄榄苦苷与羟基酪醇的大鼠在体胃肠吸收比较

赵鑫, 张学兰, 姜秋, 李慧芬, 王集会, 吴鹏, 王均秀,
宋梦晗 (6)

硫磺熏蒸和鼓风烘制对鲜品白术药材中白术内酯 I 和白

术内酯 III 含量的影响

孙学, 文红梅, 陆兔林, 李伟, 崔小兵 (10)

LC-TOF/MS 快速鉴定女贞子 4 种环烯醚萜类化合物模

拟清蒸品的化学成分

宋梦晗, 张学兰, 李慧芬, 姜秋, 蒋海强, 崔伟亮,
吴鹏, 王均秀, 赵鑫 (14)

山药总多糖脂质体的制备及表征

苏瑾, 王丹, 胡孟洋, 马淑霞, 张涛, 孟德欣,
于莲 (18)

多指标加权评分法优选肛洗二号凝胶剂的提取工艺

庞晓晨, 刘志东, 黄瑞, 成睿珍, 赵静, 潘卫三 (22)

· 资源与鉴定 ·

一株恒山产蒙古黄芪内生真菌 *Penicillium griseofulvum* 次

生代谢产物的分离和菌种鉴定

刘瑞, 张弘弛, 李慧, 安志鹏, 周凤 (25)

苗族药红禾麻黄酮类成分与环境因子的灰色关联度分析

邹淑涵, 陈胤睿, 徐文芬, 何顺志, 王波 (30)

海拔高度与黔产白及 9 种主要成分相关性研究

迟明艳, 黄勇, 李勇军, 王爱民 (36)

· 化学与分析 ·

HPLC 同时测定安息香中 3 种化学成分的含量

刘瑶, 李碧君, 王峰 (40)

4 种重楼不同部位 4 种重楼皂苷含量的分析

刘佳, 杨亚利, 张鹏, 宋发军, 孟艳艳 (44)

广西特色药材退黄藤化学成分的分离与鉴定

黄建猷, 卢文杰, 谭晓, 陆国寿, 黄周锋 (49)

仙茅多糖的分离纯化及结构分析

曾婷, 彭梅, 杨娟 (53)

近红外光谱法快速测定天南星药材中水分	(58)
张永欣, 李春, 冯伟红, 杨立新	.....
逐步代入勾兑法在当归药材质量均一性中的应用	(62)
段奕倩, 魏惠珍, 刘晟楠, 殷文静, 金浩鑫, 吴柳瑾, 游梦, 饶毅	.....
槐耳/板蓝根双向发酵体系物质基础变化	(66)
张文意, 张婧, 高鹏飞, 史新元	.....
石胆草药材质量控制分析	(71)
曲琰, 徐保利	.....
· 药物代谢 ·	
药理效应法测定穿山龙总皂苷的药动学参数	(75)
刘树民, 张宁, 周琦, 于栋华	.....
微透析采样考察麻黄-桂枝药对配伍对麻黄碱药代动力学的影响	(80)
郑芳昊, 罗佳波	.....
单因素配伍剂量对大黄甘草汤药效组分的影响	(84)
武亚楠, 张贵君, 刘亮, 彭慧, 向丽, 杨颜芳, 许洪亮	.....
· 药理 ·	
蛇床子-补骨脂配伍引经药对乳腺癌骨转移裸鼠 CXCL12-CXCR4 轴的影响	(91)
程旭锋, 张新峰, 刘琦, 乔翠霞, 王伟, 赵素贞	.....
基于 PI3K/Akt 通路探讨健脾化瘀方对大肠癌 SW480 增殖的影响	(97)
奚松阳, 陈彦, 滕钰浩, 李洁璇, 张瑛瑛, 邹玺, 吴坚, 周锦勇, 王瑞平	.....
萆薢除痹汤对大鼠尿酸性肾病防治作用的影响	(103)
江雪纯, 平凡, 张谨枫, 汪悦	.....
凌霄花总黄酮对脑缺血再灌注损伤大鼠的保护作用	(109)
方晓艳, 吴宿慧, 王琳琳, 郑雁, 苗明三	.....
正交设计法研究羟基脲和米非司酮的优选配比制作大鼠流产模型	(114)
郜洁, 巫海旺, 杜鑫, 林娜, 罗颂平	.....
维泰醇对小鼠黑色素瘤 B16F0 糖酵解的影响	(119)
王朋龙, 马晓懿, 郑秋生	.....
黄连解毒汤对自发性高血压大鼠血压及其内皮祖细胞 NO 分泌功能的影响	(123)
马晓聪, 许明东, 岳桂华, 郑景辉, 唐莎莎	.....
华蟾素注射液联合放疗对食管癌细胞增殖与周期的影响	(128)
杨兴肖, 李幼梅, 宋姮, 刘志坤, 马鸣, 祝淑叙	.....
人参多糖注射液对肝细胞癌的增殖抑制作用及机制探讨	(134)
高恒宇, 郭林娜, 刘丹	.....
柿叶黄酮对糖尿病肾病大鼠血糖值及肾组织中 TGF- β_1 和 MMP-9 的影响	(139)
零伟德, 杜刚	.....
槲皮素抑制人前列腺癌 PC-3 细胞增殖及与 Wnt/ β -catenin 信号通路的机制	(144)
张智慧, 白吉祥	.....
白藜芦醇对妊娠期糖尿病大鼠胰岛细胞氧化应激损伤的保护作用	(149)
邢宝恒, 曹亚磊, 董秀娟, 李芹	.....
人参皂苷 CK 对大鼠心肌缺血再灌注损伤的保护作用及机制探讨	(155)
荀平, 孙莉	.....

紫草素诱导人前列腺癌 PC-3 细胞凋亡机制的探讨	
陈永强, 郑璐, 刘军权, 周燏, 陈玲, 曹希亮, 周忠海, 陈复兴	..... (159)
复方金铃四逆四物失笑散的毒理学实验	
白春霞, 孙国娟, 谢萍, 冯俭, 蒋川, 李倩, 崔静宜	..... (163)
· 临床 ·	
清肺化浊汤治疗恶性肿瘤合并肺部感染的临床观察	
马东阳, 郭选贤, 胡彦辉, 崔庆丽	..... (168)
葛根二藤汤治疗椎动脉型颈椎病的临床观察	
陈云刚, 任维龙, 郝延科, 曹贻训, 徐展望	..... (172)
补肾调冲汤治疗肾阳虚型围绝经期功能失调性子宫出血的疗效分析	
刘玉瑛, 李永川, 艾小庆, 青措吉	..... (177)
通圣方联合中药泥灸治疗气虚血瘀证缺血性脑卒中恢复期肌痉挛临床观察	
岳爱霞, 周斌	..... (181)
胃宁茶袋泡剂联合奥美拉唑治疗肝胃不和型反流性食管炎疗效观察	
顾玮, 刘华东, 顾庆华	..... (186)
抗骨增生汤治疗腰椎骨质增生性腰痛肝肾不足证的临床观察	
陆志夫, 吴清琳, 周宗波	..... (190)
银甲丸加减治疗腹腔镜术后湿热瘀结盆腔炎性不孕	
陈芳, 关海霞	..... (195)
· 数据挖掘 ·	
补阳还五汤治疗中风的系统评价再评价	
蒋立, 李丹丹, 杨敏, 王爱红	..... (199)
正清风痛宁联合化学药物治疗类风湿关节炎随机对照试验的系统评价	
李鑫, 王宝新, 李如意, 王莘智, 谷捷, 魏艳霞, 余黄合, 彭璐, 宋厚盼, 黄惠勇, 范伏元, 蔡雄	..... (205)
基于中医辅助平台的现代治疗闭合性骨折外敷药膏、膏药方药组方分析	
王志恒, 石衍梅, 薛远亮	..... (211)
栗锦迁教授治疗慢性舒张性心力衰竭的用药规律	
曹云, 李树茂, 裘东, 栗锦迁	..... (215)
· 综述 ·	
一测多评法在中药质量评价中的应用研究进展	
朱晶晶, 王智民, 高慧敏, 刘晓谦, 闫利华, 冯伟红, 陈两绵, 张启伟	..... (220)
中药矫味与掩味技术的研究进展及问题分析	
刘斌斌, 简晖, 田佳明, 刘慧, 饶小勇, 罗晓健	..... (229)
· 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 * 48 * 2016-16

本期责任编辑: 顾雪竹

CHINESE JOURNAL OF EXPERIMENTAL TRADITIONAL MEDICAL FORMULAE

Semimonthly

Established in October, 1995

Vol. 22 No. 16

August 2016

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: syfxj_2010@188.com
Website: <http://www.syfxzz.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

Bioequivalence Research Between *Lonicerae Japonicae Flos* and *Lonicerae Flos* Based on Chromatokinetics

HE Hong, YANG Jiao, HU Chao, ZHOU Yi-qun, TANG Yu, ZHOU Jin, HE Fu-yuan (1)

Comparison of Gastrointestinal Absorption of Oleuropein and Hydroxytyrosol in Rats

ZHAO Xin, ZHANG Xue-lan, JIANG Qiu, LI Hui-fen, WANG Ji-hui, WU Peng, WANG Jun-xiu, SONG Meng-han (6)

Influence of Sulfur-fumigation and Ventilation Baking on

Contents of Atractylenolide I and III in Fresh Products of *Atractylodis Macrocephala Rhizoma*
SUN Xue, WEN Hong-mei, LU Tu-lin, LI Wei, CUI Xiao-bing (10)

Rapid Identification of Chemical Components in *Ligustrum Lucidi Fructus* by Simulation of Its Steamed Products with

Four Secoiridoid Glycosides
SONG Meng-han, ZHANG Xue-lan, LI Hui-fen, JIANG Qiu, JIANG Hai-qiang, CUI Wei-liang, WU Peng, WANG Jun-xiu, ZHAO Xin (14)

Preparation and Characterization of *Dioscoreae Rhizoma Polysaccharide Liposomes*

SU Jin, WANG Dan, HU Meng-yang, MA Shu-xia, ZHANG Tao, MENG De-xin, YU Lian (18)

Optimization of Extraction Technology of Gangxi II Gels by Multi-index Weighted Scoring Method

PANG Xiao-chen, LIU Zhi-dong, HUANG Rui, CHENG Rui-zhen, ZHAO Jing, PAN Wei-san (22)

Isolation of Secondary Metabolites of Endophytic Fungus

Penicillium griseofulvum from *Astragalus membranaceus* var. *mongolicus* and Identification of Strain
LIU Rui, ZHANG Hong-chi, LI Hui, AN Zhi-peng, ZHOU Feng (25)

Grey Correlation Degree Analysis Between Flavonoids

Ingredient in Guizhou Miao Medicine *Laportea bulbifera* and Environmental Factors
ZOU Shu-han, CHEN Ying-rui, XU Wen-fen, HE Shun-zhi, WANG Bo (30)

Correlation Between Altitude and Nine Kinds of Main Components in *Bletilla Rhizoma* from Guizhou Province

CHI Ming-yan, HUANG Yong, LI Yong-jun, WANG Ai-min (36)

Simultaneous Determination of Three Components in Benzoinum by HPLC	
LIU Yao, LI Bi-jun, WANG Feng	(40)
Analysis of Content of Polyphyllin in Different Fractions of Paridis Rhizoma	
LIU Jia, YANG Ya-li, ZHANG Peng, SONG Fa-jun, MENG Yan-yan	(44)
Chemical Constituents of Guangxi Characteristic Medicine <i>Pegia sarmentosa</i>	
HUANG Jian-you, LU Wen-jie, TAN Xiao, LU Guo-shou, HUANG Zhou-feng	(49)
Isolation, Purification and Structural Analysis of Curculiginis Rhizoma Polysaccharide	
ZENG Ting , PENG Mei, YANG Juan	(53)
Quick Quantitative Analysis of Water Content in Arisaematis Rhizoma by Near-infrared Spectrometry	
ZHANG Yong-xin, LI Chun, FENG Wei-hong, YANG Li-xin	(58)
Application of Stepwise Blending Method in Quality Consistency of Angelicae Sinensis Radix	
DUAN Yi-qian, WEI Hui-zhen, LIU Sheng-nan, YIN Wen-jing, JIN Hao-xin, WU Liu-jin, YOU Meng, RAO Yi	(62)
Changes in Chemical Component Content of Fungal Substance <i>Trametes robbiniophila/Isatidis Radix</i> Co-fermentation System	
ZHANG Wen-yi, ZHANG Jing, GAO Peng-fei, SHI Xin-yuan	(66)
Quality Control Method for <i>Corallodiscus flabelatus</i> by HPLC	
QU Yan, XU Bao-li	(71)
Determination of Pharmacokinetics Parameters of Total Saponins from Dioscoreae Nipponicae Rhizoma by Pharmacological Effect Method	
LIU Shu-min, ZHANG Ning, ZHOU Qi, YU Dong-hua	(75)
Pharmacokinetics of Ephedrine in Rats Treated with Herb Pair of Ephedrae	
Herba-Cinnamomi Ramulus by Microdialysis	
ZHENG Fang-hao, LUO Jia-bo	(80)
Influence of Single Factor Compatible Dose on Active Components in Dahuang Gancao Tang	
WU Ya-nan, ZHANG Gui-jun, LIU Liang, PENG Hui, XIANG Li, YANG Yan-fang, XU Hong-liang	(84)
Effects of Platycodonis Radix Combined with Cnidii Fructus-Psoraleae Fructus on CXCL12-CXCR4 Axis in Nude Mice with Bone Metastasis of Breast Cancer	
CHENG Xu-feng, ZHANG Xin-feng, LIU Qi, QIAO Cui-xia, WANG Wei, ZHAO Su-zhen	(91)
Effect of Jianpi Huayu Decoction on Proliferation in Human Colorectal Carcinoma Cells (SW480) Through PI3K/Akt Pathway	
XI Song-yang, CHEN Yan, TENG Yu-hao, LI Jie-pin, ZHANG Ying-ying, ZOU Xi, WU Jian, ZHOU Jin-yong, WANG Rui-ping	(97)
Effect of Bixie Chubi Decoction in Preventing and Treating Uric Acid Nephropathy	
JIANG Xue-chun, PING Fan, ZHANG Jin-feng, WANG Yue	(103)
Protective Effects of Campsis Flos Total Flavonoids (CFTF) on Cerebral Ischemia Reperfusion Injury in Rats	
FANG Xiao-yan, WU Su-hui, WANG Lin-lin, ZHENG Yan, MIAO Ming-san	(109)
Orthogonal Design Method to Study Optimal Ratio of Hydroxyurea and Mifepristone in Miscarriage Models of Rats	
GAO Jie, WU Hai-wang, DU Xin, LIN Na, LUO Song-ping	(114)
Effect of Alternol on Glycolysisin in Mice Melanoma B16F0 Cells	
WANG Peng-long, MA Xiao-yi, ZHENG Qiu-sheng	(119)
Influence of Huanglian Jiedu Tang on Function of NO Secretion in Endothelial Progenitor Cells and Blood Pressure in Spontaneous Hypertension Rats	
MA Xiao-cong, XU Ming-dong, YUE Gui-hua, ZHENG Jing-hui, TANG Sha-sha	(123)
Effect of Cinobufacini Injection Combined with Radiotherapy on Proliferation and Cell Cycle of Human Esophageal Carcinoma	
YANG Xing-xiao, LI You-mei, SONG Heng, LIU Zhi-kun, MA Ming, ZHU Shu-chai	(128)
Discussion on Effects and Mechanism of Ginseng Polysaccharide Injection on Proliferation Inhibition of Hepatoma Cells	
GAO Heng-yu, GUO Lin-na, LIU Dan	(134)

Effect of Flavonoid from <i>Diospyros kaki</i> Leaves on TGF-β, and MMP-9 in Blood Glucose Levels and Kidney Tissues of Rats with Diabetic Nephropathy	(139)
LING Wei-de , DU Gang	
Anti-proliferation Effect of Quereetin on Human Prostate Cancer PC-3 Cells and Wnt/β-catenin Signaling Pathway	(144)
ZHGANG Zhi-hui, BAI Ji-xiang	
Protective Effects of Resveratrol on Pancreatic Cell Oxidative Injury in Gestational Diabetic Rats	(149)
XING Bao-heng, CAO Ya-lei, DONG Xiu-juan, LI Qin	
Protective Effect and Mechanism of Ginsenosides CK on Rat's Myocardial Ischemia Reperfusion Injury	(155)
XUN Ping, SUN Li	
Mechanism of PC-3 Cells Apoptosis Induced by Shikonin	
CHEN Yong-qiang, ZHENG Lu, LIU Jun-quan, ZHOU Yu, CHEN Ling, CAO Xi-liang, ZHOU Zhong-hai, CHEN Fu-xing	(159)
Toxicologic Experiment of Fufang Jinling Sini Siwu Shixiao Powder	
BAI Chun-xia, SUN Guo-juan, XIE Ping, FENG Jian, JIANG Chuan, LI Qian, CUI Jing-yi	(163)
Clinical Observation of Qingfei Huazhuo Decoction in Treatment of Pulmonary Infection in Malignant Tumors	
MA Dong-yang, GUO Xuan-xian, HU Yan-hui, CUI Qing-li	(168)
Clinical Observation on Gegen Erteng Decoction for Cervical Spondylotic Arteriopathy	
CHEN Yun-gang, REN Wei-long, HAO Yan-ke, CAO Yi-xun, XU Zhan-wang	(172)
Effect of Bushen Tiaochong Decoction in Treating Peri-menopausal Dysfunctional Uterine Bleeding with Syndrome of Kidney-yang Deficiency	
LIU Yu-qin, LI Yong-chuan, AI Xiao-qing, QING Cuo-ji	(177)
Tongsheng Decoction Combined with Traditional Chinese Medicine Moxibustion Mud in Treating Myospasm of Ischemic Stroke Recovery Period with Qi Deficiency and Blood Stasis Syndrome	
YUE Ai-xia, ZHOU Bin	(181)
Effect of Weining Tea Bag and Omeprazole on Liver and Stomach Disharmony Reflux Esophagitis	
GU Wei, LIU Hua-dong, GU Qing-hua	(186)
Clinical Efficacy of Kanggu Zengsheng Decoction in Treatment of Lumbar Hyperosteogeny Lumbago with Liver and Kidney Deficiency Syndrome	
LU Zhi-fu, WU Qing-lin, ZHOU Zong-bo	(190)
Modified Yinjia Pills in Treatment of Infertility with Damp Heat and Blood Stasis Due to Chronic Pelvic Inflammation After Laparoscopy	
CHEN Fang, GUAN Hai-xia	(195)
Reevaluation for Systematic Review for Effect of Buyang Huanwu Tang Treating Stroke	
JIANG Li, LI Dan-dan, YANG Min, WANG Ai-hong	(199)
Systematic Review of Randomized Controlled Trials of Combination Therapy of Zhengqing Fengtongning and Chemical Drugs on Rheumatoid Arthritis	
LI Xin, WANG Bao-xin, LI Ru-yi , WANG Xin-zhi , GU Jie, WEI Yan-xia , YU Huang-he , PENG Lu, SONG Hou-pan , HUANG Hui-yong , FAN Fu-yuan, CAI Xiong	(205)
Analysis on Composition Principles of Traditional Chinese Medicine(TCM) Ointment Prescriptions for Closed Fracture Based on TCM Inheritance Platform System	
WANG Zhi-heng, SHI Yan-mei, XUE Yuan-liang	(211)
Analysis on Professor LI Jin-qian's Medication Regularity for Chronic Diastolic Heart Failure	
CAO Yun, LI Shu-mao, QIU Dong, LI Jin-qian	(215)
Advances on Quality Evaluation of Chinese Materia Medica by QAMS	
ZHU Jing-jing, WANG Zhi-min, GAO Hui-min, LIU Xiao-qian, YAN Li-hua, FENG Wei-hong, CHEN Liang-mian, ZHANG Qi-wei	(220)
Research Progress and Problem Analysis on Flavoring and Taste Masking Technology for Traditional Chinese Medicine	
LIU Bin-bin, JIAN Hui, TIAN Jia-ming, LIU Hui, RAO Xiao-yong, LUO Xiao-jian	(229)

Responsible editor : GU Xue-zhu

ISSN 1005-9903

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

16>



9 771005 990160

定价：35.00元