

ISSN 1005-9903  
CN 11-3495/R

# 中国

# 实验方剂学杂志

ZHONGGUO SHIYAN FANGJIXUE ZAZHI

CHINESE JOURNAL OF  
EXPERIMENTAL TRADITIONAL MEDICAL FORMULAE

中国中文核心期刊  
中国科技核心期刊  
中国中医药优秀期刊  
中国学术期刊(光盘版)优秀期刊

主管：国家中医药管理局

主办：中国中医科学院中药研究所

中国中西医结合学会中药专业委员会

ISSN 1005-9903



2013年9月 第19卷 第18期  
September Vol.19 No.18

18  
2013

# 中国实验方剂学杂志

## Zhongguo Shiyang Fangjixue Zazhi

半月刊

1995年10月创刊

第19卷

第18期

2013年9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  
中国中西医结合学会中药  
专业委员会  
(100700 北京市东直门内南小街16号)

**主编** 姜廷良

**社长** 蔡仲德

**总编**

**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  
(010)64014411 转 2849  
传真:(010)84076882  
E-mail:syfx\_2010@188.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

**国内邮发代号** 2-417

**国外发行** 北京国际图书贸易总公司  
(100044 北京399信箱)

**国外邮发代号** SM4655

**标准刊号** 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

#### · 工艺与制剂 ·

- $\alpha$ -常春藤皂苷-羟丙基- $\beta$ -环糊精包合物的制备及鉴定 ..... 饶涛,李东勋,何秀菊,冯育林,罗晓健(1)
- 首乌藤多糖的分离纯化及初步结构解析 ..... 张华锋,张杰,刘炯,杨云,董晶晶(5)
- 多孔壳聚糖膜的专一性酶法制备及性能表征 ..... 董德刚,管成,裘梁,乔贝贝,潘旭兰,王曼莹(9)
- 不同纯化工艺对金钱草水提液的影响 ..... 沈芹芹,夏新华,颜红,雷昌,黄玛莎,彭买娇(13)
- 西洋参 SOD 脂质体的制备工艺优选和性质评价 ..... 齐滨,刘莉,张楠楠,王珊,赵大庆(17)
- 温度、pH 对甘草酸溶液中内毒素团聚状态的影响 ..... 李贺敏,李存玉,彭国平,郑云枫,李贺莱,陆洪波(20)
- 星点设计-效应面法优化陈皮多糖提取工艺 ..... 刘荣,韦正,银玲,樊丹青,杨丽,陈鸿平,刘友平(23)
- 合欢花总黄酮的分离纯化工艺 ..... 张慧,林龙飞,杨培,申明睿,董晓旭,张晋,倪健(27)
- 王瓜的微波-超声波联合提取工艺优选及抗氧化活性考察 ..... 潘乔丹,黄元河,董妹灵,唐海燕,王柳念,黄玉亮(30)
- 冠心宁注射液的二次醇沉及后续工艺改进 ..... 高治华,海丽娜,沈达,刘近荣(33)
- 三七总皂苷脂质体微丸的制备 ..... 李娜,崔翰明,李小芳(35)
- 盐酸小檗碱脂质体的制备工艺优选及体外释放性质考察 ..... 王兴慧,李俊生,吕佳佳,刘志辉(39)
- 不同制备工艺对肺毒清体外抗病毒作用的影响 ..... 刘涛,李娟,吴春梅,陆瑾,徐玉玲(42)
- 正交试验优选复方甘草双层片片芯的制备工艺 ..... 朱肖肖,牟志刚,姚小娟,陶珊珊,钟剑玉,肖方园,胡燕(45)

咽速康气雾剂变更辅料对生产工艺及质量的影响 ..... 常新全,杨娜,宋潇,刘玉川,李珮,李昌福(48)

Box-Behnken 设计优化荷叶总黄酮的温浸提取工艺 ..... 侯莉伟,杨凤梅,杨明,邹文铨,许润春,黄晶(51)

逐步代入勾兑法考察中药饮片质量稳定性 ..... 梅新路,肖慧,章军,饶毅,魏慧珍,王跃生(55)

天杏咳喘贴中盐酸麻黄碱和盐酸伪麻黄碱的大鼠离体透皮试验 ..... 吴和珍,付聪,杨艳芳,韩建伟(58)

沙棘总黄酮的大鼠肠吸收特性考察 ..... 申雪丽,袁勇,黄川生,王新春,尹俊涛(61)

· 化学与分析 ·

不同采收期山绿茶药材绿原酸和芦丁的含量比较 ..... 郑锡任,张龙,陈勇,农莉,刘鼎,李怡莹(65)

竹节参总皂苷提取物质量控制方法研究 ..... 张海滨,张长城,关乔中,何毓敏,袁丁(68)

不同产区瓜蒌子有效成分含量测定 ..... 张荣超,辛杰,郭庆梅,周凤琴(71)

FOLIN-酚比色法测定裸花紫珠中总酚含量 ..... 颜小捷,谷陟欣,卢凤来,黄胜,宁德生,李典鹏(74)

HPLC 测定醋艾炭间羟基安息香酸的含量 ..... 王永丽,尉小慧,赵森森,刘伟,李思蒙,俞桂新,王峥涛(78)

HPLC-ELSD 测定不同产地预知子中四种皂苷的含量 .....  
..... 吴蓓,余黄鹏,孟月华,欧阳辉,何明珍,李志峰,杨世林,冯育林(82)

白薇化学成分研究 ..... 米君令,吴纯洁,孙灵根,黎春彤,刁峰敏,陈万生(86)

川楝子中的化学成分研究 ..... 陈琳,穆淑珍,晏晨,黄烈军,郝小江(90)

无花果内生真菌 FL10 中吡啶二酮哌嗪类生物碱的研究 .....  
..... 张弘弛,刘瑞,周凤,王润梅,张航涛,马养民(95)

RP-HPLC-DAD 同时测定大黄中 9 种有效成分的含量 .....  
..... 程小丽,魏胜利,刘春生,张媛,刘娟,刘凤波,张晓芹(99)

三黄泻心汤药效组分分析 ..... 刘晶晶,张贵君,彭慧,毛莹,徐蓓蕾,黄睿(103)

新疆紫草 7 种萘醌类成分的同时测定 ..... 郝鹤,李鹏跃,叶和春,池剑亭,王红(108)

不同来源甘草药材成分含量及其保肝降酶作用比较 ..... 陈云华,黄明进,王文全,孙建宁(113)

翻白草黄酮类化学成分研究 ..... 洪凌,何贵锋,高妮,龚又明(117)

龙眼叶药材 HPLC 指纹图谱研究 ..... 梁洁,柳贤福,李耀华,韦志英,翁翎(120)

清肺消痰颗粒的薄层鉴别研究 ..... 庞会明,李爽,范玲,马兴苗,吕佳佳,刘志辉(123)

一测多评法测定透骨香中儿茶素、白珠树苷、滇白珠苷 A 的含量 .....  
..... 陈青凤,刘佳,乔里,刘丽娜,龙庆德,王爱民,李勇军(126)

HPLC 测定复脉灵胶囊中乌头碱、新乌头碱、次乌头碱的含量 .....  
..... 任欣欣,李兴华,叶莎,马小亚,雷建林,李万静,段宗明(131)

HPLC 测定不同商品规格桂枝中香豆素、肉桂醇、肉桂酸、桂皮醛的含量 .....  
..... 刘威,李红娟,张帅,萧伟,张振秋(134)

苯酚硫酸一步法测定白芍提取物中总糖含量 ..... 杨哲莹,周立红,章顺楠,叶正良,柳文媛(139)

HPLC 测定除湿养血胶囊中柚皮苷的含量 ..... 郭娜,闫寒,彭娟,范斌,聂颖兰(143)

HPLC 测定丝瓜根药材中常春藤皂苷元的含量 ..... 李才堂,谢欢,张娣,宋友昕(145)

HPLC 测定降粘胶囊中绿原酸的含量 ..... 王婷婷,程诚,周瑞(148)

两种不同寄主桑寄生挥发油成分分析 ..... 李兵,黄志其,陈建惠,韦建华,卢汝梅(150)

HPLC 测定龙须藤中 2 种多甲氧基黄酮的含量 ..... 易荆丽,张嘉家,周毅生,赵永恒,王嵩(155)

HPLC 测定人参固本胶囊中人参皂苷 R<sub>G1</sub>, R<sub>e</sub> 的含量 .....  
..... 马慧萍,舒晓玲,董志臣,李兰茹,何蕾,贾正平(158)

· 资源与鉴定 ·

车前子与其伪品 - 柴胡果实的生药学鉴别 ..... 康帅,周超,魏爱华,鲁静(161)

· 药物代谢 ·

小鼠体内半边旗 5F 微乳剂的药动学及组织分布特征 … 吕应年,何宇辉,田乐,黄译锋,李立,吴科锋(164)

· 药理 ·

- 从线粒体途径探讨凉血化瘀方对肿瘤坏死因子  $\alpha$  致肝细胞凋亡的保护作用 …………… 姜泽群,姚志华,邓正亭,蒋鑫超,颜晓静,陈卫平(169)
- 解表方通过调节黏膜免疫保护上呼吸道感染模型小鼠的研究 …… 雷娜,李艳,何芳雁,韩春妮,林青(174)
- 从细胞凋亡和周期研究旋覆归连方抑制食管癌 Eca9706 细胞增殖作用 …………… 吴耀松,马俊华,陈玉龙,尹素改(177)
- 熊果酸抑制人肝癌 SMMC-7721 细胞生长及凋亡的实验研究 …………… 崔兵兵,程丽芳,侯立静,杨青,刘瑾,牟艳玲,闫雪生,李克明(181)
- 柴胡-白芍不同比例配伍应用的抗惊厥作用 …………… 谢炜,郑跃辉,陈伟军,于云红(184)
- 山麦胶囊对肾性高血压大鼠肾内小动脉血管重构的影响 …………… 曹雯,秦秋华,周燕,蒋伟哲,龙凤鸣,韦秀芝(189)
- I 型过敏试验动物模型比较研究 …………… 帅维维,朱丹凤,蒋宝平,程建明(193)
- 合欢花总黄酮对抑郁模型大鼠海马 CA3 区 BDNF 和 TrkB 表达的影响 …………… 施学丽,杜正彩,夏猛,赵晓芳,吴诚,郭超峰(198)
- 赤甯根总皂苷对 RA 大鼠足跖组织中核转录因子、白介素 6 和白介素 10 mRNA 表达水平的影响 …………… 顾士栋,阎昊,邹君,佟继铭,曹凯(202)
- 复方扶芳藤合剂含药血清对大鼠骨髓间充质干细胞 Notch 信号通路的影响 …………… 张颖,周倍伊(206)
- 左、右归丸对大鼠骨髓间充质干细胞骨向分化中 TGF- $\beta_1$  mRNA 的影响 …………… 宋国,何文智,王智民,任艳玲(210)
- 菟丝子总黄酮对过氧化氢损伤的血管内皮细胞的保护作用 …………… 刘海云,崔艳茹,伍庆华,王晓敏(215)
- 止哮平喘方对哮喘大鼠肺组织 EOS 凋亡及 Fas, Bcl-2 基因表达的影响 …………… 潘丰满,张燕翔,李祥华,杜亚明,王鹏(219)
- 荔枝核总黄酮对大鼠肝纤维化 TGF- $\beta$ /Smad 信号通路的影响 …………… 喻勤,傅向阳,罗伟生,欧士钰,靳雅玲(223)
- 复方川贝颗粒对 OVA 介导的豚鼠过敏性哮喘模型的平喘作用机制研究 …………… 陈贺,张慧颖,刘禾,丁春晓,郭振武,李国信,张会宗,张宏(228)
- 菟丝子对大鼠运动性肾脏缺血再灌注的保护作用 …………… 郭爱民,曹建民,周海涛,郑孟君,李琳娜(232)
- 千金苇茎汤促进撤血清舌鳞癌细胞凋亡机制的研究 …………… 冯颖,张军峰,张旭,许冬青,董伟,孟玉芬,詹臻(236)
- 奥沙利铂和 7-羟基星形孢菌素联合用药对 HCT116 细胞的抑杀作用 …………… 喻录容,何先元,苏咏梅,张义兵(241)
- 异甘草素与光甘草定抗肿瘤转移作用比较 …………… 刘亮亮,陈姪,张波,郑秋生(245)
- 夜香树提取物 Nocturnoside B 对大鼠心肌损伤的保护作用及体外抗肿瘤作用研究 …………… 农智新,赵世元,黄之虎,钟振国,张明艳,李彩萍(251)
- 滋水清肝饮对乳腺癌内分泌治疗不良反应的影响 …………… 孙少梅,曹鹏,霍介格,胡春萍,王小宁,胡灿红,聂冬辉(256)
- 银杏叶总黄酮正交提取工艺优化及其抗氧化能力与抑制亚硝化反应研究 …………… 尹丽,郭小慧(260)
- 沙枣总酚抗炎作用研究 …………… 杨建华,孟新源,胡君萍,程路峰,热娜·卡斯木,舒泽柳(263)
- 女贞叶乙醇提取物对鹤鹑高脂血症的影响 …………… 童东锡,陆明深,邓俊刚,童京坤,蒙次文(267)

铁皮石斛对 ApoE <sup>-/-</sup> 小鼠血脂及 TNF- $\alpha$ , IL-6 的影响 .....	李亚梅, 吴萍, 谢雪姣, 姚海伦, 宋露萍, 廖端芳 (270)
苦参碱与粉防己碱逆转人 MCF-7 细胞耐药性的作用与机制 .....	李海燕, 陈阳, 何琪杨 (275)
生肌象皮膏对糖尿病大鼠溃疡肉芽组织中白介素-2 与肿瘤坏死因子- $\alpha$ 的影响 .....	李巧芬, 李春深, 李云平, 常柏 (279)
补肾填精法促进骨髓基质干细胞分化为神经元样细胞的实验研究 .....	刘黎青, 李娟, 王媛, 周雪颖 (283)
无创肢体缺血预处理对兔缺血性心肌的影响 .....	肖业伟, 侯丽芳, 马玲, 冯志强, 冉兵, 盘强文 (287)
<b>· 毒理 ·</b>	
山豆根水煎液致大鼠亚急性肝脏毒性研究 .....	陈龙, 吴谦, 耿娅, 张泽安, 邓中平 (293)
雄黄肾脏毒性的病理形态学特征 .....	高双荣, 梁爱华, 戴宝强, 王丽芳, 李桂琴, 曹春雨, 刘婷, 李春英, 易艳, 王海林, 郝然, 赵雍, 回连强, 夏晶, 曹帅, 李丽敏, 季申 (297)
<b>· 临床 ·</b>	
凉血消风饮治疗 HIV 相关性痒疹的研究 .....	谢正, 蒋自强, 李鹏宇, 闫磊, 李政伟 (302)
独活寄生汤加减结合透明质酸钠针关节腔注射治疗膝骨性关节炎 .....	曹国平, 胡建鑫, 汪灿峰 (305)
四君子汤加减配合替吉奥胶囊治疗晚期胃癌 .....	孙士玲, 张红瑞, 周发祥 (309)
热毒宁辅助阿奇霉素序贯疗法治疗儿童支原体肺炎 .....	宋亚娣 (312)
丹红注射液联合依达拉奉治疗急性脑梗死 .....	张卉, 邱博, 张晶 (315)
中西医结合治疗小儿支气管肺炎 .....	何廉儒, 王琦, 梁若冰 (318)
杏贝止咳祛痰口服液辅助治疗小儿支气管肺炎 .....	常丽, 李尔珍, 张奕 (320)
利巴韦林单用及联用喜炎平注射液治疗小儿轮状病毒肠炎 .....	吴君 (323)
解毒化瘀方治疗肛瘘术后患者 60 例 .....	左振魁, 席作武, 韩佳瑞, 牛明了, 高宗跃 (326)
复明胶囊治疗干性年龄相关性黄斑变性 64 眼疗效观察 .....	赵辉, 闫书强, 焦凡 (330)
身痛逐瘀汤加减治疗腰椎间盘突出症近期疗效观察 .....	牛淑芳, 李佳霖, 周媛 (334)
中医传统疗法联合负压封闭引流治疗慢性骨髓炎 .....	唐开武, 唐开礼, 周文才 (339)
<b>· 数据挖掘 ·</b>	
古今中医治疗糖尿病用药异同探析 .....	姚蓝, 辛小红, 姚雪梅, 卢伟, 靳春丽, 毛新民 (342)
<b>· 综述 ·</b>	
微生物转化技术在中药研究中的应用 .....	牛红军, 王芃, 杨官娥 (346)
脂质纳米粒给药系统体外释放方法研究进展 .....	王岚, 刘颖, 冯年平 (350)
<b>· 信息 ·</b>	
欢迎订阅 2014 年度《中国实验方剂学杂志》 .....	( 26 )
欢迎订阅 2014 年《中国中医药信息杂志》 .....	( 130 )
《中国中药杂志》2014 年征订启事 .....	( 168 )
《天津中医药》2014 年征订启事 .....	( 205 )
稿约 .....	( 封二 )
《中国实验方剂学杂志》第三届编委会 .....	( 封三 )
《中国实验方剂学杂志》支持单位 .....	( 封四 )

[ 期刊基本参数 ] CN11-3495/R \* 1995 \* s \* 16 \* 356 \* zh \* P \* ¥35.00 \* 5000 \* 93 \* 2013-18

本期责任编辑: 邹晓翠

# CHINESE JOURNAL OF EXPERIMENTAL TRADITIONAL MEDICAL FORMULAE

Semimonthly

Established in October, 1995

Vol. 19 No. 18

September 2013

## Responsible Institution

State Administration of Traditional Chinese Medicine  
(1, Gongtixilu, Dongcheng District, Beijing, 100027)

## Sponsor

Institute of Chinese Materia Medica, China Academy of Chinese Medical Sciences  
Committee of Chinese Materia Medica, Chinese Association of Integrative Medicine  
(16, Nanxiaojie, Dongzhimennei, Beijing, 100700)

## Editor-in-Chief

JIANG Ting-liang

## Director

CAI Zhong-de

## Edited and Published by

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

Tel: (010)84076882

(010)64014411-2849

Fax: (010)84076882

E-mail: syfx\_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)

## 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

## Domestic Subscription Code 2-417

## Overseas Subscription

China International Book Trading Corporation

(P. O. Box 399, Beijing, 100044)

## Overseas Subscription Code SM4655

ISSN 1005-9903

CN 11-3495/R

## CONTENTS IN BRIEF

- Preparation and Identification of  $\alpha$ -Hederagenin-Hydroxypropyl- $\beta$ -Cyclodextrin Inclusion Complex** ..... RAO Tao, LI Dong-xun, HE Xiu-ju, FENG Yu-lin, LUO Xiao-jian( 1 )
- Separation, Purification and Structure Analysis of Polysaccharides from Caulis Polygoni Multiflori** ..... ZHANG Hua-feng, ZHANG Jie, LIU Jiong, YANG Yun, DONG Jing-jing( 5 )
- Specificity Enzymatic Preparation and Performance Characterization of Porous Chitosan Membranes** ... DONG De-gang, GUAN Cheng, QIU Liang, QIAO Bei-bei, PAN Xu-lan, WANG Man-ying( 9 )
- Effects of Different Purification Processes on Water Extract of Lysimachiae Herba** ..... SHEN Qin-qin, XIA Xin-hua, YAN Hong, LEI Chang, HUANG Ma-sha, PENG Mai-jiao( 13 )
- Preparation Technology Optimization and Properties Evaluation of SOD from Panacis Quinquefolii Radix Liposomes** ..... QI Bin, LIU Li, ZHANG Nan-nan, WANG Shan, ZHAO Da-qing( 17 )
- Effects of Temperature and pH on Agglomeration State of Endotoxin in Glycyrrhizic Acid Solution** ..... LI He-min, LI Cun-yu, PENG Guo-ping, ZHENG Yun-feng, LI He-lai, LU Hong-bo( 20 )
- Optimization of Extraction Technology for Polysaccharides from Citri Reticulatae Pericarpium by Central Composite Design-Response Surface Methodology** ..... LIU Rong, WEI Zheng, YIN Ling, FAN Dan-qing, YANG Li, CHEN Hong-ping, LIU You-ping( 23 )
- Separation and Purification Technology of Total Flavonoids from Albiziae Flos by Macroporous Resin** ..... ZHANG Hui, LIN Long-fei, YANG Pei, SHEN Ming-rui, DONG Xiao-xu, ZHANG Jin, NI Jian( 27 )
- Optimization of Ultrasonic-Microwave Synergistic Extraction Technology of *Trichosanthes cucumeroides* and Investigation of Its Antioxidant Activity** ..... PAN Qiao-dan, HUANG Yuan-he, DONG Mei-ling, TANG Hai-yan, WANG Liu-nian, HUANG Yu-liang( 30 )
- Improvement of Secondary Ethanol Precipitation and Subsequent Processes of Guanxinning Injections** ..... GAO Zhi-hua, HAI Li-na, SHEN Da, LIU Jin-rong( 33 )
- Preparation of *Panax notoginseng* Saponins Liposome Pellets** ..... LI Na, CUI Han-ming, LI Xiao-fang( 35 )
- Preparation and *in vitro* Release Behavior of Berberine Hydrochloride Liposomes** ..... WANG Xing-hui, LI Jun-sheng, LV Jia-jia, LIU Zhi-hui( 39 )
- Effects of Different Preparation Processes on *in vitro* Antiviral Activity of Feiduqing Prescription** ..... LIU Tao, LI Juan, WU Chun-mei, LU Jin, XU Yu-lin( 42 )
- Optimization of Preparation Technology of Compound Liquorice Double-Deck Tablets by Orthogonal Test** ..... ZHU Xiao-xiao, MOU Zhi-gang, YAO Xiao-juan, TAO Shan-shan, ZHONG Jian-yu, XIAO Fang-yuan, HU Yan( 45 )

<b>Effects of Excipient Change on Productive Technology and Quality of Yansukang Aerosols</b> .....	CHANG Xin-quan, YANG Na, SONG Xiao, LIU Yu-chuan, LI Sa, LI Chang-fu( 48 )
<b>Optimization of Soaking Extraction Technology of Total Flavonoids from Nelumbinis Folium by Box-Behnken Design</b> .....	HOU Li-wei, YANG Feng-mei, YANG Ming, ZOU Wen-quan, XU Run-chun, HUANG Jing( 51 )
<b>Investigation of Quality Stability of Chinese Medicine Pieces by Stepwise Blending Method</b> .....	MEI Xin-lu, XIAO Hui, ZHANG Jun, RAO Yi, WEI Hui-zhen, WANG Yue-sheng( 55 )
<b>In vitro Transdermal Test of Ephedrine and Pseudoephedrine from Tianxing Kechuan Patches in Rats</b> .....	WU He-zhen, FU Cong, YANG Yan-fang, HAN Jian-wei( 58 )
<b>Investigation of Rat Intestinal Absorption Properties of Total Flavonoids from Hippophae Fructus</b> .....	SHEN Xue-li, YUAN Yong, HUANG Chuan-sheng, WANG Xin-chun, YIN Jun-tao( 61 )
<b>Chlorogenic Acid and Rutin Content Comparison of Ilex hainanensis Collected in Different Periods</b> .....	ZHENG Xi-ren, ZHANG Long, CHEN Yong, NONG Li, LIU Ding, LI Yi-xuan( 65 )
<b>Quality Control Methods for Total Saponins Extract of Panax japonicus</b> .....	ZHANG Hai-bin, ZHANG Chang-cheng, GUAN Qiao-zhong, HE Yu-min, YUAN Ding( 68 )
<b>Effective Components of Semen Trichosanthis from Different Production Regions</b> .....	ZHANG Rong-chao, XIN Jie, GUO Qing-mei, ZHOU Feng-qin( 71 )
<b>Determination of Total Polyphenol from Callicarpa nudiflora by Folin-phenol Colorimetry</b> .....	YAN Xiao-jie, GU Zhi-xin, LU Feng-lai, HUANG Sheng, NING De-sheng, LI Dian-peng( 74 )
<b>Content Determination of 3-Hydroxybenzoic Acid in Artemisiae Argyi Folium ( Carbonized and Processed with Vinegar ) by HPLC</b> .....	WANG Yong-li, WEI Xiao-hui, ZHAO Sen-miao, LIU Wei, LI Si-meng, CHOU Gui-xin, WANG Zheng-tao( 78 )
<b>Quantitative Determination of four components of Akebiae Fructus from different habitats</b> .....	WU Bei, YU Huang-peng, MENG Yue-hua, OU Yang-Hui, HE Ming-zhen, LI Zhi-feng, YANG Shi-lin, FENG Yu-lin( 82 )
<b>Chemical Constituents from Ampelopsis japonica</b> .....	MI Jun-ling, WU Chun-jie, SUN Ling-gen, LI Chun-tong, XI Feng-min, CHEN Wan-sheng( 86 )
<b>Study on Chemical Constituents of Fructus Melia toosendan</b> .....	CHEN Lin, MU Shu-zhen, YAN Chen, HUANG Lie-jun, HAO Xiao-jiang( 90 )
<b>Indolyl Diketopiperazine Alkaloids Isolated from Endophytic Fungus FL10 of Ficus carica</b> .....	ZHANG Hong-chi, LIU Rui, ZHOU Feng, WANG Run-mei, ZHANG Hang-tao, MA Yang-min( 95 )
<b>RP-HPLC-DAD Method for Simultaneous Determination of Nine Active Constituents in Rhubarb</b> .....	CHENG Xiao-li, WEI Sheng-li, LIU Chun-sheng, ZHANG Yuan, LIU Juan, LIU Feng-bo, ZHANG Xiao-qin( 99 )
<b>Analysis of Active Components from Sanhuang Xiexin Tang</b> .....	LIU Jing-jing, ZHANG Gui-jun, PENG Hui, MAO Ying, XU Bei-lei, HUANG Rui( 103 )
<b>Simultaneous Determination of Seven Naphthoquinones in Crude Extract of Arnebia euchroma</b> .....	HAO He, LI Peng-yue, YE He-chun, CHI Jian-ting, WANG Hong( 108 )
<b>Comparative Study on Major Ingredient Contents and Effect of Depressing Transaminase of Licorice from Different Sources</b> .....	CHEN Yun-hua, HUANG Ming-jin, WANG Wen-quan, SHUN Jian-ning( 113 )
<b>Study of Flavonoids from Potentilla discolor</b> .....	HONG Ling, HE Gui-feng, GAO Ni, GONG You-ming( 117 )
<b>Studies on HPLC Fingerprint of the Leaf of Dimocarpus longan</b> .....	LIANG Jie, LIU Xian-fu, LI Yao-hua, WEI Zhi-ying, WENG Ling( 120 )
<b>TLC Method of Qingfeixiaocuo Granules</b> .....	PANG Hui-ming, LI Shuang, FANG Lin, MA Xing-miao, LU Jia-jia, LIU Zhi-hui( 123 )
<b>Simultaneous Quantitative Analysis of Three Components in Gaultheria yunnanensis by Multi-Components Assay by Single Marker</b> .....	CHEN Qing-feng, LIU Jia, QIAO Li, LIU Li-na, LONG Qing-de, WANG Ai-ming, LI Yong-jun( 126 )
<b>Determination of Aconitine, Mesaconitine and Hypaconitine in Fumailing Capsules by HPLC</b> .....	REN Xin-xin, LI Xing-hua, YE Sha, MA Xiao-ya, LEI Jian-lin, LI Wan-jing, DUAN Zong-ming( 131 )
<b>HPLC Determination of Coumarin, Cinnamyl Alcohol, Cinnamic Acid and Cinnamaldehyde from Cinnamomi Ramulus of Different Specifications</b> .....	LIU Wei, LI Hong-juan, ZHANG Shuai, XIAO Wei, ZHANG Zhen-qiu( 134 )
<b>Determination of Saccharide in Extracts of Pareonia Albiflota by One-step Phenol-Sulfuric Acid Method</b> .....	YANG Zhe-xuan, ZHOU Li-hong, ZHANG Shun-nan, YE Zheng-liang, LIU Wen-yuan( 139 )
<b>Determination of Naringin in Chushi Yangxue Capsules by HPLC</b> .....	GUO Na, YAN Han, PENG Juan, FAN Bin, NIE Ying-lan( 143 )
<b>Determination of Hederagenin in Root of Luffa cylindrica</b> .....	LI Cai-tang, XIE Huan, ZHANG Di, SONG You-xin( 145 )
<b>HPLC Determination of Chlorogenic Acid in Jiangnian Capsules</b> .....	WANG Ting-ting, CHENG Cheng, ZHOU Rui( 148 )

Chemical Constituents of Essential Oils from Two Different Host of <i>Taxillus chinensis</i> .....	LI Bing, HUANG Zhi-qi, CHEN Jian-hui, WEI Jian-hua, LU Ru-mei(150)
Determination of Two Polymethoxylated Flavonoids in <i>Bauhinia championii</i> by HPLC .....	YI Jing-li, ZHANG Jia-jia, ZHOU Yi-sheng, ZHAO Yong-heng, WANG Song(155)
Determination of Ginsenoside Rg <sub>1</sub> and Ginsenoside Re in Renshen Guben Capsules by HPLC .....	MA Hui-ping, SHU Xiaoling, DONG Zhi-cheng, LI Lan-ru, HE Lei, JIA Zheng-ping(158)
Authentication Study in Pharmacognosy for Plantaginis Semen and its Adulterant-Fruits of <i>Bupleurum chinense</i> .....	KANG Shuai, ZHOU Chao, WEI Ai-hua, LU Jing(161)
Pharmacokinetics and Tissues Distribution of 5F Microemulsion in Mice after Oral Administration .....	LV Ying-nian, HE Yu-hui, TIAN Le, HUANG Yi-feng, LI Li, WU Ke-feng(164)
Protective Effects of Liangxue Huayu Recipe on Hepatic Cell Apoptosis Induced by TNF- $\alpha$ through the Mitochondrial Pathway .....	JIANG Ze-qun, YAO Zhi-hua, DENG Zheng-ting, JIANG Xin-chao, YAN Xiao-jing, CHEN Wei-ping(169)
Effect of Prescription with Function of Relieving the Exterior Syndrome on Upper Respiratory Tract Infection in Mice Model through Regulating Mucosal Immunity .....	LEI Na, LI Yan, HE Fang-yan, HAN Chun-ni, LIN Qing(174)
Researching the Inhibitory Effect of Xuanfu Guilian Prescription on Eca9706 Esophagus Carcinoma Cell Proliferation from the Cell Cycle and Apoptosis .....	WU Yao-song, MA Jun-hua, CHEN Yu-long, YIN Su-gai(177)
Effect of Ursolic Acid on Inhibiting Growth and Apoptosis in Human Hepatoma SMMC-7721 .....	CUI Bing-bing, CHENG Li-fang, HOU Li-jing, YANG Qing, MU Yan-ling, YAN Xue-sheng, LI Ke-ming(181)
Anticonvulsant Effect of Bupleuri Radix and Paeoniae Radix Alba with Different Compatibility Proportion in Mice .....	XIE Wei, ZHENG Yue-hui, CHEN Wei-jun, YU Yun-hong(184)
Effect of Shanmai Capsules on the Renal Arteriole Remodeling in Renovascular Hypertensive Rats .....	CAO Wen, QIN Qiu-hua, ZHOU Yan, JIANG Wei-zhe, LONG Feng-ming, WEI Xiu-zhi(189)
Comparative Study on Animal Models for Evaluating Type I Allergy .....	SHUAI Wei-wei, ZHU Dan-feng, JIANG Bao-ping, CHENG Jian-ming(193)
Study on Antidepressant Effect of <i>Albizia julibrissin</i> Flower Total Flavonoids on the Expression of BDNF and TrkB in the Hippocampus CA3 of Rats with Depression .....	SHI Xue-li, DU Zheng-cai, XIA Meng, ZHAO Xiao-fang, WU Cheng, GUO Chao-feng(198)
Effect of Saponins of <i>Thladiantha dubia</i> on Expression Level of NF- $\kappa$ B, IL-6 and IL-10 mRNA in Paw Tissue of Rats with RA .....	GU Shi-dong, YAN Hao, ZOU Jun, TONG Ji-ming, CAO Kai(202)
Effect of Compound Fufangteng Mixture on Bone Marrow Hematopoietic Stem Cells Notch Signal Pathway in Rats .....	ZHANG Ying, ZHOU Bei-yi(206)
Effect of Zuogui Wan and Yougui Wan on TGF- $\beta_1$ on Osteogenic Differentiation of Bone Marrow Mesenchymal Stem Cells .....	SONG Nan, HE Wen-zhi, WANG Zhi-min, REN Yan-ling(210)
Protective Effects of Flavonoids Extracted from <i>Cuscuta</i> Semen on Human Umbilical Vein Endothelial Cells Injured by H <sub>2</sub> O <sub>2</sub> .....	LIU Hai-yun, CUI Yan-ru, WU Qing-hua, WANG Xiao-min(215)
Effects of Zhixiao Pingchuan Prescription on Eosinophil Apoptosis and Expression of Fas/Bcl-2 mRNA in Asthmatic Rats .....	PAN Feng-man, ZHANG Yan-xiang, LI Xiang-hua, DU Ya-ming, WANG Peng(219)
Effect of Total Flavone from <i>Litchi chinensis</i> on TGF- $\beta$ /Smad Signaling Pathway in Rats Livers with Hepatic Fibrosis .....	YU Qin, FU Xiang-yang, LUO Wei-sheng, OU Shi-yu, JIN Ya-ling(223)
Mechanism of Anti-asthmatic Function by Compound Chuanbei Granule in Ovalbumin-mediated Allergic Asthma Model of Guinea Pig .....	CHEN He, ZHANG Hui-ying, LIU He, DING Chun-xiao, GUO Zhen-wu, LI Guo-xin, ZHANG Hui-zong, ZHANG Hong(228)
Protective Effect of <i>Cuscuta chinensis</i> on the Movement Renal Ischemia-reperfusion in Rats .....	GUO Ai-min, CAO Jian-min, ZHOU Hai-tao, ZHENG Meng-jun, LI Lin-na(232)
Qianjin Weijing Prescription Promoting Apoptosis of the Human Tongue Squamous Cell Carcinoma with Serum Withdrawal by Inhibiting the Secretion of PGE <sub>2</sub> .....	FENG Ying, ZHANG Jun-feng, ZHANG Xu, XU Dong-qing, DONG Wei, MENG Yu-fen, ZHAN Zhen(236)
Study on the Lethal Effect and Mechanisms of Oxaliplatin and UCN-01 on HCT116 Colon Cancer Cell Line .....	YU Lu-rong, HE Xian-yuan, SU Yong-mei, ZHANG Yi-bin(241)
Comparison of the Anti-metastasis Effect of Isoliquiritigenin and Glabridin .....	LIU Liang-liang, CHEN Ji, ZHANG Bo, ZHENG Qiu-sheng(245)
Effects of NocturnosideB from <i>Cestrum nocturnum</i> on Doxorubicin-induced Myocardial Injury in Rats .....	NONG Zhi-xin, ZHAO Shi-yuan, HUANG Zhi-hu, ZHONG Zhen-guo, ZHANG Ming-yan, LI Cai-ping(251)
Experimental Study of Zishui Qinggan Yin Treat Adverse Effect Caused by Breast Cancer Endocrine Therapy .....	SUN Shao-mei, CAO Peng, HUO Jie-ge, HU Chun-ping, WANG Xiao-ning, HU Can-hong, NIE Dong-hui(256)



<b>Optimization of Flavonoid Extraction Technology of Orthogonal from Ginkgo Folium and its Antioxidation Ability</b> .....	YIN Li, GUO Xiao-hui(260)
<b>Anti-inflammatory Effect of Total Polyphenols from <i>Elaeagnus angustifolia</i> Seeds</b> .....	YANG Jian-hua, MENG Xin-yuan, HU Jun-ping, CHENG Lu-feng, RENA Kasimu, SHU Ze-liu(263)
<b>Effect of the Ethanol Extracts of Glossy Privet Leaf on Hyperlipemia Model of Quail</b> .....	TONG Dong-xi, LU Ming-shen, DENG Jun-gang, TONG Jing-kun, MENG Ci-wen(267)
<b>Effects of <i>Dendrobii Officinalis Caulis</i> on Serum Lipid, TNF-<math>\alpha</math> and IL-6 in Apolipoprotein E-Deficient Mice</b> .....	LI Ya-mei, WU Ping, XIE Xue-jiao, YAO Hai-lun, SONG Lu-ping, LIAO Duan-fang(270)
<b>Mechanism of Combination of Matrine and Tetrandrine for Reversal of Multidrug Resistance of Breast Carcinoma MCF-7 Cells</b> .....	LI Hai-yan, CHEN Yang, HE Qi-yang(275)
<b>Effect of Shengji Xiangpi Mastic on IL-2 and TNF-<math>\alpha</math> in Rats with Diabetic Ulcer During Wound Healing</b> .....	LI Qiao-fen, LI Chun-shen, LI Yun-ping, CHANG Bai(279)
<b>Experiment Research of Inducing Bone Marrow Stem Cells to Differentiate into Neurons-like Cells by Way of Tonifying Kidney Essence</b> .....	LIU Li-qing, LI Juan, WANG Yuan, ZHOU Xue-ying(283)
<b>Influence of Non-invasive Limb Ischemia Preconditioning on Ischemic Myocardial Injury in Rabbits</b> .....	XIAO Ye-wei, HOU Li-fang, MA Ling, FENG Zhi-qiang, RAN Bing, PANG Qiang-wen(287)
<b>Rat Subacute Hepatotoxicity Induced by <i>Sophorae Tonkinensis Radix et Rhizoma</i></b> .....	CHEN Long, WU Qian, GENG Ya, ZHANG Ze-an, DENG Zhong-ping(293)
<b>Morphological Characteristics of Kidney Toxicity in Realgar</b> .....	GAO Shuang-rong, LIANG Ai-hua, DAI Bao-qiang, WANG Li-fang, LI Gui-qin, CAO Chun-yu, LIU Ting, LI Chun-ying, YI Yan, WANG Hai-lin, HAO Ran, ZHAO Yong, HUI Lian-qiang, XIA Jing, CAO Shuai, LI Li-min, JI Shen(297)
<b>Study on Liangxue Xiaofeng Yin Treating HIV-Pruritic Popular Eruption</b> .....	XIE Zheng, JIANG Zi-qiang, LI Peng-yu, YAN Lei, LI Zheng-wei(302)
<b>Clinical Efficacy Observation of Duhuo Jisheng Decoction Combined Sodium Hyaluronate Injection in Intra-articular Cavity Injection in Treatment of Knee Osteoarthritis</b> .....	CAO Guo-ping, HU Jian-xin, WANG Can-feng(305)
<b>Clinical Analysis of Modified Sijunzi Decoction Combined with Tegafur Gimeracil Oteracil Potassium Capsule in Treating 20 Cases of Late Gastric Cancer</b> .....	SUN Shi-ling, ZHANG Hong-rui, ZHOU Fa-xiang(309)
<b>Efficacy and Safety Evaluation of Reduning Adjunctive Azithromycin Sequential Therapy in Treatment of Children Mycoplasma Pneumonia</b> .....	SONG Ya-di(312)
<b>Danhong Injection Combined with Edaravone in Treatment of Acute Cerebral Infarction: An Analysis of 126 Cases</b> .....	ZHANG Hui, QIU Bo, ZHANG Jing(315)
<b>Effect Analysis of Integrated Traditional Chinese and Western Medicine in Treatment of Children with Bronchial Pneumonia</b> .....	HE Lian-ru, WANG Qi, LIANG Ruo-bing(318)
<b>Study of Therapeutic Effect and Hospital Duration of Xingbei Zhike Qutan Oral Liquid on Children with Pneumonia</b> .....	CHANG Li, LI Er-zhen, ZHANG Yi(320)
<b>Effects of Ribavirin Alone and Combined with Xiyanning Injection in Treating Infantile Rotavirus Enteritis</b> .....	WU Jun(323)
<b>After Jiedu Huayu Decoction Treated 60 Patients with Postoperative Archosyrinx's Clinical Research</b> .....	ZUO Zhen-kui, XI Zuo-wu, HAN Jia-rui, NIU Ming-liao, GAO Zong-yue(326)
<b>Fuming Capsule of Dry From Agerelated Macular Degeneration Treated With 64 Eyes</b> .....	ZHAO Hui, YAN Shu-qiang, JIAO Fan(330)
<b>Shentong Zhuyu Decoction Add-subtract on the Treatment of Lumbar Disc Herniation Curative Effect Observation</b> .....	NIU Shu-fang, LI Jia-lin, ZHOU Yuan(334)
<b>Effects of Traditional Chinese Medicine Combined with Vacuum Sealing Drainage in Treating Chronic Osteomyelitis</b> .....	TANG Kai-wu, TANG Kai-li, ZHOU Wen-cai(339)
<b>Analysis on Differences in Principles between Ancient and Modern Prescriptions for Diabetes Mellitus</b> .....	YAO Lan, XIN Xiao-hong, YAO Xue-mei, LIU Wei, JIN Chun-li, MAO Xin-ming(342)
<b>Application of Microbial Transformation in Research of Chinese Medicine</b> .....	NIU Hong-jun, WANG Peng, YANG Guan-e(346)
<b>Development of <i>in vitro</i> Release Methods in Lipid Nanoparticles Drug Delivery System</b> .....	WANG Lan, LIU Ying, FENG Nian-ping(350)

Responsible editor: ZOU Xiao-cui