

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3月 第19卷 第6期  
March Vol.19 No.6

6  
2013

万方数据

# 中国实验方剂学杂志

Zhongguo Shiyan Fangjixue Zazhi

半月刊

1995 年 10 月创刊

第 19 卷

第 6 期

2013 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  
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 蔡仲德

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: syfjx\_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 ·

- 钩藤碱缓释微球的体外释放考察 ..... 游绍雪, 李江, 李姝, 黄文荣 ( 1 )
- 20(S)-原人参二醇聚乳酸-羟基乙酸缓释微球的制备 ..... 陈玉玺, 王冰, 浦益琼, 蔡贞贞, 张彤 ( 4 )
- 金莲花总黄酮分散片处方工艺优选 ..... 苏占辉, 王书君, 张滋明, 邱东爽, 尹旭, 张鹏飞, 迟森森 ( 8 )
- 薄荷总黄酮的纯化工艺优选 ..... 钟昆芮, 张凡, 姜艳艳, 王玉霞, 刘斌 ( 11 )
- 正交试验优选酒制狗脊的炮制工艺 ..... 徐钢, 鞠成国, 周远征, 张凡, 林桂梅, 贾天柱 ( 15 )
- 茵陈蒿方传统与现代浸提方法对比 ..... 高雅言, 孙盼盼, 张超, 李超英 ( 18 )
- 芦丁固体分散体的制备及其溶出特性考察 ..... 孙磊, 马晓兰, 吴洋, 孙涛, 戴贵东 ( 23 )
- 制川乌炮制过程中生物碱类成分的时量变化关系 ..... 涂瑶生, 全智慧, 孙冬梅, 张建军, 赵自明 ( 25 )
- 麻杏石甘汤煎煮方式对哮喘模型小鼠气道黏液分泌和  
急性低氧环境的影响 ... 孙雪文, 韩凤芹, 张志涛, 张新国 ( 30 )
- 正交试验优选地龙水提取工艺 ..... 贺葵邦, 王英姿, 张春泥, 冯艾灵, 张胜海 ( 33 )
- 结合化学与药效学指标优选参芪麝蓉丸的纯化工艺 ..... 周永全, 刘书芬, 张宁, 王拥军, 杜思邈 ( 36 )
- 指纹图谱法考察活络效灵丹加减方的不同提取工艺 ..... 高文娟, 谭雪梅, 戴荣华, 毕开顺, 陈晓辉 ( 40 )
- 跌打康复酊提取工艺优选 ..... 王谨慧, 郭钰龙, 靳子明, 陶翠祥, 杨锡仓 ( 43 )
- 正交试验优选山豆根有效部位的提取工艺 ..... 孟美, 王化宇, 任钰, 张炜煜 ( 46 )
- 响应面法优化磷酸酯化龙眼肉多糖的制备工艺 ..... 宁苑灵, 蒙法艳, 蒋洁, 黄燕军, 李雪华 ( 50 )

|                                                                                                 |                                   |
|-------------------------------------------------------------------------------------------------|-----------------------------------|
| 二次回归正交旋转组合设计优化白芷香豆素磷脂复合物的制备工艺 .....                                                             |                                   |
| ..... 董自亮,傅超美,徐瑞超,高飞,秦郁文,黄静,秦少容 ( 53 )                                                          |                                   |
| 大孔吸附树脂纯化独活总黄酮的工艺优选 .....                                                                        | 桑林,王晓林,钟方丽,张志龙,薛健飞,陈帅 ( 57 )      |
| 正交试验优选消食颗粒的成型配方 .....                                                                           | 戴善光 ( 61 )                        |
| 血红素亚铁片的制备工艺优选 .....                                                                             | 彭辉,张铭辉,殷光玲 ( 63 )                 |
| · 化学与分析 ·                                                                                       |                                   |
| 复方制剂中洋金花药材的筛选和质量控制 .....                                                                        | 霍务贞,吴燕红,李苑新,朱盛山 ( 66 )            |
| ICP-OES 法与 EDTA 直接滴定法测定含石膏方剂中钙离子含量研究 .....                                                      |                                   |
| ..... 李晓晶,马强,盛振华,葛尔宁,苏燕 ( 69 )                                                                  |                                   |
| 清开灵注射液中重金属及有害元素的质量控制 .....                                                                      |                                   |
| ..... 施晓光,陆敏仪,赵庄,刘华钢,甘盛,戴向东,许杨彪 ( 75 )                                                          |                                   |
| HPLC 测定粉葛饮片中 3 种黄酮类成分的含量 .....                                                                  | 张开霞,章军,荆文光,王跃生,刘安 ( 78 )          |
| 金莲花不同花部对总黄酮的贡献度研究 .....                                                                         | 袁铭,王如峰,吴秀稳,安燕南,孙震晓 ( 81 )         |
| 苦石莲中总二萜的含量测定 .....                                                                              | 韩瑞亭,万国盛,孙博航,霍晓灵,高慧媛 ( 84 )        |
| 华蟾素注射液中总蟾毒配基类成分的含量测定 .....                                                                      | 杨立新,赵海誉,袁圣芬,李亚军,边宝林,王宏洁 ( 87 )    |
| HPLC 测定三峡库区道地药材巫溪大叶当归中阿魏酸的含量 .....                                                              | 方应权,易为丹 ( 90 )                    |
| 高效毛细管电泳法测定不同产地多叶棘豆中 3 种黄酮类化合物含量 .....                                                           | 海平,苏雅乐其其格 ( 92 )                  |
| HPLC 同时测定蒙药胃舒安胶囊中大黄素、大黄酸、大黄酚的含量 .....                                                           | 包明兰,巴根那,白梅荣 ( 96 )                |
| 土茯苓配方颗粒 HPLC 指纹图谱研究 .....                                                                       | 温庆伟,邹录惠,蓝晓庆,黄丽凤,陆东,韦红言,周永强 ( 99 ) |
| 疏花假地豆体外抗氧化活性研究 .....                                                                            | 杨保成,彭涛,黄钟碧,张前军,康文艺 ( 103 )        |
| LC-MS-MS 法测定参体和参须中人参皂苷 Rb <sub>1</sub> , Rb <sub>2</sub> 和 Rc 含量 .....                          |                                   |
| ..... 闫寒,赵松岩,刘运嘉,吴睿凡,范斌,郭娜,彭娟 ( 105 )                                                           |                                   |
| 维药新塔花中挥发性成分提取方法的优化 .....                                                                        | 许云章,孟庆艳,刘文杰,刘圆,卢亚玲,晋玉霞 ( 108 )    |
| 温度对菰蓝基因组 DNA 甲基化的影响 .....                                                                       | 杨飞,徐延浩 ( 113 )                    |
| 苦石莲的化学成分研究 .....                                                                                | 郭建军,周英,王华林,宋玮娟 ( 117 )            |
| 鸡眼睛乙酸乙酯部位化学成分研究 .....                                                                           | 周雯,刘智,王海军,李勇军,王爱民,许祖超,廖尚高 ( 121 ) |
| 延胡索中生物碱成分的研究 .....                                                                              | 冯静,于宗渊,杨洪军,许海玉,刘娜娜,王晓 ( 124 )     |
| 血畅宁组方有效部位总皂苷 HPLC 特征图谱研究 .....                                                                  | 林辉,饶剑花,潘毅,阳涛,徐大量,张鹏 ( 127 )       |
| 西瓜藤的化学成分研究 ( I ) .....                                                                          | 王硕,龚小妹,周丹丹,戴航,周小雷,邓家刚 ( 131 )     |
| 小花地不容的生物碱成分 .....                                                                               | 左爱学,张秋玲,李莉,马云淑,饶高雄 ( 134 )        |
| 高效液相色谱法测定枳实-白芍配伍的化学成分变化 .....                                                                   |                                   |
| ..... 陈稚,陈家仪,贾薇,崔妙仪,陈楚源,关锦涛,曾元儿,江滨 ( 138 )                                                      |                                   |
| 王不留行毛状根的诱导及培养 .....                                                                             | 张海强,包京姍,杨世海,付娟,马玲 ( 141 )         |
| HPLC 测定小儿感冒丹中盐酸麻黄碱和盐酸伪麻黄碱的含量 .....                                                              |                                   |
| ..... 王苏会,闫荟,孙晓迪,张京,王瑞,孙世光 ( 145 )                                                              |                                   |
| HPLC 测定复方丹参胶囊中三七皂苷 R <sub>1</sub> 、人参皂苷 Rg <sub>1</sub> 、人参皂苷 Re、人参皂苷 Rb <sub>1</sub> 的含量 ..... |                                   |
| ..... 许勇,诸艳蓉,王柯,季申 ( 148 )                                                                      |                                   |
| 齿叶白鹃梅叶总黄酮提取物 HPLC 指纹图谱研究 .....                                                                  | 祁晓旭,刘玉强,才谦 ( 152 )                |
| HPLC 测定匙羹藤花中牛蒡菜醇 A 的含量 .....                                                                    | 丘琴,甄汉深,黄培倩,李文秀 ( 155 )            |
| 探索用离子色谱测定玄明粉中硫酸钠的含量 .....                                                                       | 甘盛,韩婷,施晓光,吴超权 ( 158 )             |
| HPLC 同时测定冬虫夏草中腺苷、虫草素和麦角甾醇 .....                                                                 | 陈婷,刘群,莫灼康,徐敏嫦,陈润添 ( 161 )         |
| 抗炎消肿丸质量标准的研究 .....                                                                              | 于红艳,许成刚,刘伟,崔永霞 ( 164 )            |
| · 药物代谢 ·                                                                                        |                                   |
| 天钩降压胶囊中钩藤碱、异钩藤碱大鼠在体肠吸收动力学研究 .....                                                               | 李季,李凌军,姜华伟 ( 167 )                |



· 药理 ·

- 益气解毒方对大鼠局灶性脑缺血氧化应激的影响 ..... 朱丽,高健,吴传鸿,刘安,苏培瑜,李德凤,张宁,杨阳,李韶菁(171)
- 痛泻要方对溃疡性结肠炎大鼠结肠黏膜细胞间黏附分子-1 mRNA 和蛋白表达的影响 ..... 朱向东,梅晓云,吴红彦,潘政,曹燕飞(174)
- 益髓生血颗粒对辐射损伤小鼠骨髓细胞周期的影响 ..... 王文娟,刘莉,邹阳,李俊丽,刘咏梅,方素萍,吴志奎,吕鑫霞,阚杰(179)
- 加味交泰丸对大鼠糖尿病视网膜病变的防治作用及其机制 ..... 陈广,陆付耳,杨华静,董慧,徐丽君,邹欣,黄召谊,王开富(183)
- 地黄不同炮制品组成的增液汤降低糖尿病大鼠血糖血脂作用的对比研究 ..... 段卫娜,张振凌,孔莹莹,陈智钦,李敏兰(187)
- 滇黄芩总黄酮对豚鼠心肌细胞电压依赖性钠通道电流的影响 ..... 何晓山,彭林,林青,代蓉,包照日格图,周宁娜(192)
- 参莲提取物对大鼠腹腔肥大细胞释放活性物质的干预作用 ..... 阮从潇,李玉洁,杨庆,陈颖,翁小刚,王岚,王迎寒,周淑媛,郭琰,周冰冰,朱晓新(196)
- 萎胃康及其拆方对慢性萎缩性胃炎大鼠胃黏膜 G、D 细胞的影响 ..... 林海燕,赵岩,于佳宁(199)
- 益心脑滴丸对心肌缺血再灌注损伤的保护作用 ..... 畅瑞苗,岳媛,薛晖,窦丽丽,王艳微,李晓妮(203)
- 金莲花总黄酮抗菌作用的实验研究 ..... 刘平,陈光辉,邓淑华,刘玉玲,佟继铭(207)
- 脂联素调控序列荧光素酶报告基因荧光素酶活性的分析 ..... 崔琳,李强,路玲玲,宰军华,张莎莎(211)
- 真武汤对渗透泵恒释 ADR 肾病综合征大鼠的干预作用 ..... 梁春玲,周玖瑶,周园,吴俊标,丑安,华静(215)
- 复方乌骨藤胶囊对 Lewis 肺癌小鼠 TNF- $\alpha$ ,NK 活性的影响 ..... 张晓双,孙建宁,宋延平,张恩户(220)
- 脉络宁注射液对脂多糖与角叉菜胶诱导热毒血瘀证模型大鼠的影响 ..... 黎同明,邓敏贞(223)
- 加味苓桂术甘汤对代谢综合征大鼠血清抵抗素、脂联素、胰岛素、胰岛素抵抗的影响 ..... 黄江荣,杜亚明,鄢进,胡娅,李祥华(227)
- 葛根素对 6-羟多巴胺所致帕金森病大鼠黑质组织 Nrf2/ARE 通路的影响 ..... 黎荣,徐灵源,梁韬,段小群,李勇文,廖维勇(230)
- 黄连、五倍子醇提物对罗非鱼源性链球菌生长曲线的影响 ..... 李一珊,倪晨,童建辉,林吉,赖小平(234)
- 冠脉通胶囊对犬心肌缺血的保护作用 ..... 王雪,张宏,甘雨,乔敏,邹德俊,秦文艳,朱竞赫,赵金明(238)
- 甘草多糖对人外周血  $\gamma\delta$ T 细胞的免疫调节作用 ..... 孙舒玉,何小鹏,柴旺,吕诚,吕爱平,喻长远(242)
- 大承气汤治疗便秘的实验研究 ..... 赵耀东,罗素莱,杜伟锋,蔡宝昌,丛晓东(246)
- 六君祛痰解毒汤及其拆方对 C<sub>57</sub>BL/6J 小鼠 Lewis 肺癌转移的抑制作用 ..... 陈华圣,许爱华,沈婷婷,崔德利,朱亚林(249)
- 乙肝清对小鼠急性肝损伤的保护作用 ..... 吕纪华,邓聿胤,刘瑛,王丽,覃良(253)
- 蒙药验方溃疡散对实验性大鼠胃溃疡的作用 ..... 吴七十三,斯钦,乌达(257)
- 灯盏花素对肾损害小鼠肾组织细胞凋亡及相关蛋白的影响 ..... 徐华,常陆林,马天江,姜晓宇,任亮(260)
- 吴茱萸次碱对脑缺血再灌注小鼠的保护作用及作用机制研究 ..... 严春临,张季,高艳青,吴雪智,王树,薛贵平(265)
- TLR9 抑制剂对胃癌细胞 MGC803 分泌 IL-6 的作用 ..... 李锐,张艳丽,李亚兰,李秀萍(267)
- 构树叶总黄酮对人肝癌细胞 HepG-2 增殖和凋亡的作用及其机制研究 ..... 朱开梅,姚丽新,刘建楠,桂劲松,顾生玖(270)
- 唐古特红景天降低大鼠低氧性肺动脉高压的作用及对 ET-1, eNOS mRNA 和蛋白表达的影响 ..... 芦殿荣,张树娜,靳国恩,白振忠,永胜,张得钧,王欣佩,杨全余,嘎琴,杨应忠,马兰,王海洁,芦殿香,格日力(274)
- 卫气营血辨证肺损伤肺表面活性蛋白 mRNA 表达的动态变化 ..... 邓时贵,叶莹仪,彭珍香(279)
- 抗痛风胶囊对急性痛风性关节炎大鼠的抗炎作用及机制探讨 ..... 于泓,袁良东,姚观平,钟正霞,余丽梅(283)

金天格胶囊对骨关节炎大鼠病理形态的影响 ..... 侯小丽,赵林涛,宋延平(287)

URWell 对吗啡依赖小鼠戒断反应和 NO/NOS 系统的影响 ..... 陈春霞,霍国伟,杨尔滨,黄建春,林兴,黄仁彬(290)

· 临床 ·

代谢综合征中医常见证型与 IR,CRP,LEP 的相关性 ..... 苏润泽,王坤芳,麻莉,董惠洁,程生辉,刘云,荣爱国,冯俊生,阎建玲(294)

活血散结方肝区封包对肝硬化门静脉系统血流动力学的影响 ..... 刘光伟,赵文霞,费景兰,王春芳(298)

绝经期后女性同型半胱氨酸、高敏 C 反应蛋白水平与冠状动脉病变及传统危险因素的关系 ..... 王帅,赵红丽,李潞,张晓丹,于森,李纯,谭力力(301)

补肾活血方药对膝关节骨折术后功能恢复的影响 ..... 林梓凌,樊粤光,赵京涛,杨达文,黄枫(305)

注射用黄芪多糖对非小细胞肺癌放疗的作用及对机体免疫的影响 ..... 陈卓,于卫江(309)

中药配合 CPAP 对阻塞性睡眠呼吸暂停低通气综合征呼气冷凝液中炎症因子的影响 ..... 单琳,朱惠莉(314)

桂枝茯苓胶囊辅助西药保守治疗异位妊娠 40 例 ..... 尹凤玲,严春寅,沈宗姬,钱俊如,王维奇,汤欣(317)

益气活血方配合氯胺酮椎管内阻滞治疗 56 例顽固性带状疱疹后遗神经痛 ..... 冯海军(320)

丹参注射液对 2 型糖尿病下肢血管病变患者 CRP,IL-6 水平的影响 ..... 王明乐(323)

中西医结合疗法对白内障超声乳化术后并发症的防治效果分析 ..... 马红蕾,卫玉彩,段佳良,盛梦怡,闫雪梅,戴丽(326)

中药配合抗生素治疗中老年下呼吸道耐药细菌感染 ..... 徐羽中,李孜,何臣,向开富,张捷(329)

脂可清胶囊对高脂血症患者血液炎症因子的影响 ..... 张晋岳(333)

凉营清气汤治疗气营同病 47 例 ..... 刘俊芳,张华锴,郭选贤(336)

繁术泻土汤治疗高脂血症的临床研究 ..... 宋春侠,暴宏伶,时菁静(339)

化痰消萎汤治疗慢性萎缩性胃炎 76 例 ..... 王玲玲,贾玉聪(342)

· 数据挖掘 ·

银屑病证候分类及其血热证中药用药规律分析 ..... 姜春燕,李元文,谭勇,赵宁,蔡锋,杨静,郑光,吕爱平(345)

通腑法治疗脑出血急性期随机对照试验的 Meta 分析 ..... 熊丽辉,王铭,王忠(349)

丹参注射液辅助治疗糖尿病肾病有效性及安全性的系统评价 ..... 李会芳,程生辉,赵换(353)

· 综述 ·

前非离子体的研究进展 ..... 江晓,李沙沙,张斌,翁立冬,刘莉,刘强(359)

栀子炭炮制研究概况 ..... 姚蓝,张村,于定荣,麻印莲,顾雪竹,黄琪,刘慧(363)

七十味珍珠丸药理及临床研究进展 ..... 杜文兵,黄福开,邵杰,罗远带,甄丽芳,刘亚丽,尚颖(367)

中药制剂生物利用度研究概况 ..... 李艳玲,王锦玉,杨德斌,董美虹,仝燕(372)

· 信息 ·

欢迎订阅 2013 年度《中国实验方剂学杂志》..... (112)

欢迎订阅 2013 年《中国中医药信息杂志》..... (297)

《中国中药杂志》2013 年征订启事 ..... (313)

《天津中医药》2013 年征订启事 ..... (352)

招生简章 ..... (378)

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 \* 378 \* zh \* P \* ¥35.00 \* 5000 \* 104 \* 2013-06

本期责任编辑:邹晓翠

# CHINESE JOURNAL OF EXPERIMENTAL TRADITIONAL MEDICAL FORMULAE

Semimonthly

Established in October, 1995

Vol. 19 No. 6

March 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: 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)

## 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

### Investigation of *in vitro* Release of Rhynchophylline Sustained Release Microspheres

..... YOU Shao-xue, LI Jiang, LI Shan, HUANG Wen-rong ( 1 )

### Preparation of 20(S)-protopanaxadiol Polylactic Acid-glycolic Acid Sustained Release Microspheres

..... CHEN Yu-xi, WANG Bing, PU Yi-qiong, CAI Zhen-zhen, ZHANG Tong ( 4 )

### Optimization of Prescription Technology for Nasturtium Total Flavonoids Dispersible Tablets

..... SU Zhan-hui, WANG Shu-jun, ZHANG Zi-ming, QIU Dong-shuang, PU Yi-qiong, ZHANG Peng-fei, CHI Sen-sen ( 8 )

### Optimization of Purification Technology for Total Flavonoids from *Mentha haplocalyx*

..... ZHONG Kun-rui, ZHANG Fan, JIANG Yan-yan, WANG Yu-xia, LIU Bin ( 11 )

### Optimization of Processing Technology for Wine-steamed *Cibotium barometz* by Orthogonal Test

..... XU Gang, JU Cheng-guo, ZHOU Yuan-zheng, ZHANG Fan, LIN Gui-mei, JIA Tian-zhu ( 15 )

### Comparison of Traditional and Modern Extraction Methods for Yinchenhao Prescription

..... GAO Ya-yan, SUN Pan-pan, ZHANG Chao, LI Chao-ying ( 18 )

### Preparation and Dissolution Characteristics Investigation of Rutin Solid Dispersions

..... SUN Lei, MA Xiao-lan, WU Yang, SUN Tao, DAI Gui-dong ( 23 )

### Changes in Relationship between Alkaloids Content and Time in Processing Process of Aconiti Radix Cocta

..... TU Yao-sheng, QUAN Zhi-hui, SUN Dong-mei, ZHANG Jian-jun, ZHAO Zi-ming ( 25 )

### Effects of Different Boiling Methods of Maxing Shigan Decoction on Acute Hypoxia Environment and Mucus Secretion in Airway of Asthmatic Model Mice

..... SUN Xue-wen, HAN Feng-qin, ZANG Zhi-tao, ZHANG Xin-guo ( 30 )

### Optimization of Water Extraction Technology for *Pheretima aspergillum* by Orthogonal Test

..... HE Kui-bang, WANG Ying-zi, ZHANG Chun-ni, FENG Ai-ling, ZHANG Sheng-hai ( 33 )

### Optimization of Purification Technology for Shenqi Sherong Pills by Chemical and Pharmacodynamic Indicators

..... ZHOU Yong-quan, LIU Shu-fen, ZHANG Ning, WANG Yong-jun, DU Si-miao ( 36 )

### Investigation of Different Extraction Technology for Addition and Subtraction Prescription of Huoluo Xiaoling Dan by Fingerprint

..... GAO Wen-juan, TAN Xue-mei, DAI Rong-hua, BI Kai-shun, CHEN Xiao-hui ( 40 )

### Optimization of Extraction Technology of Dieda Kangfu Tinctures

..... WANG Jin-hui, GUO Yu-long, JIN Zi-ming, TAO Cui-xiang, YANG Xi-cang ( 43 )

### Optimization of Extraction Technology for Effective Parts from *Sophora tonkinensis* by Orthogonal Test

..... MENG Mei, WANG Hua-yu, REN Yu, ZHANG Wei-yu ( 46 )

Optimization of Preparation Technology for Phosphorylated Polysaccharides from *Dimocarpus longan* by Response Surface Methodology ..... NING Yuan-ling, MENG Fa-yan, JIANG Jie, HUANG Yan-jun, LI Xue-hua( 50 )

Optimization of Preparation Technology for Coumarin from *Angelica dahurica* Phospholipid Complex by Quadratic Regression Rotation-orthogonal Combination Design ..... DONG Zi-liang, FU Chao-mei, XU Rui-chao, GAO Fei, QIN Yu-wen, HUANG Jing, QIN Shao-rong( 53 )

Optimization of Purification Technology for Total Flavonoids in *Angelica pubescens* by Macroporous Adsorption Resin ..... SANG Lin, WANG Xiao-lin, ZHONG Fang-li, ZHANG Zhi-long, XUE Jian-fei, CHEN Shuai( 57 )

Optimization of Molding Formula for Xiaoshi Granules by Orthogonal Test ..... DAI Shan-guang( 61 )

Optimization of Preparation Technology for Heme Ferrous Tablets ..... PENG Hui, ZHANG Ming-hui, YIN Guang-ling( 63 )

Component Analysis and Content Comparison in *Daturae Flos* for the Control of Quality in Compound Preparation ..... HUO Wu-zhen, WU Yan-hong, LI Yuan-xin, ZHU Sheng-shan( 66 )

Comparison of ICP-OES and EDTA Titration Methods of the Results of Calcium Content in Gypsum Formulae ..... LI Xiao-jing, MA Qiang, SHENG Zhen-hua, GE Er-ning, SU Yan ( 69 )

Quality Control of Heavy Metal and Hazard Elements in Efficacious on Heat Expelling and Enlightening Injection ...SHI Xiao-guang, LU Min-yi, ZHAO Zhuang, LIU Hua-gang, GAN Sheng, DAI Xiang-dong, XU Yang-biao ( 75 )

Determination of Three Flavonoids in *Radix Pueraria thomsonii* by HPLC ..... ZHANG Kai-xia, ZHANG Jun, JING Wen-guang, WANG Yue-sheng, LIU An( 78 )

Investigation on the Contribution of Floral Parts to Total Flavonoids of *Trollius chinensis* ..... YUAN Ming, WANG Ru-feng, WU Xiu-wen, AN Yan-nan, SUN Zhen-xiao( 81 )

Determination of Total Diterpenes of *Caesalpinia minax* ..... HAN Rui-ting, WAN Guo-sheng, SUN Bo-hang, HUO Xiao-ling, GAO Hui-yuan( 84 )

Determination of Total Bufadienolides in Cinobufotalin Injection Using Ultraviolet Spectrophotometry ..... YANG Li-xin, ZHAO Hai-yu, YUAN Sheng-fen, LI Ya-jun, BIAN Bao-lin, WANG Hong-jie( 87 )

Determination of Ferulic Acid from *Angelica megaphylla* in Three Gorges Reservoir Area by HPLC ..... FANG Ying-quan, YI Wei-dan( 90 )

Determination of Three Flavonoids in *Oxytropismyriophylla* from Different Habitats by HPCE ..... HAI Ping, Suyaleqiqige( 92 )

Determination of Rhien, Emodin and Chrysophanol in Weishuanjiaonang by HPLC ..... BAO Ming-lan, BA Gen-na, BAI Mei-rong( 96 )

Study on Fingerprint of *Smilacis Glabrae Rhizoma* Formula Granules by HPLC ..... WEN Qing-wei, ZOU Lu-hui, LAN Xiao-qing, HUANG Li-feng, LU Dong, WEI Hong-yan, ZHOU Yong-qiang ( 99 )

*In Vitro*  $\alpha$ -Glucosidase Inhibitory Activity of *Desmodium heterocarpon* ..... YANG Bao-cheng, PENG Tao, HUANG Zhong-bi, ZHANG Qian-jun, KANG Wen-yi(103)

Simultaneous Quantitation of Rb<sub>1</sub>, Rb<sub>2</sub> and Rc in Ginseng Tail and the Main Root of Ginseng by LC-MS-MS ..... YAN Han, ZHAO Song-yan, LIU Yun-jia, WU Rui-fan, FAN Bin, GUO Na, PENG Juan(105)

Optimization of the Extraction Method of the Volatile Components from *Ziziphora clinopodioides* ..... XU Yun-zhang, MENG Qing-yan, LIU Wen-jie, LIU Yuan, LU Ya-ling, JIN Yu-xia(108)

Rapid Genome DNA Methylation Changes in *Isatis indigotica* after Exposure to Elevated Temperature ..... YANG Fei, XU Yan-hao(113)

Study on Chemical Constituents of *Caesalpinia minax* ..... GUO Jian-jun, ZHOU Ying, WANG Hua-lin, SONG Wei-juan(117)

Study on Chemical Constituents of Ethyl Acetate Fraction of *Euscaphis japonica* ..... ZHOU Wen, LIU Zhi, WANG Hai-jun, LI Yong-jun, WANG Ai-min, XU Zu-chao, LIAO Shang-gao(121)

Chemical Constituents from *Corydalis Yanhusuo* ..... FENG Jing, YU Zong-yuan, YANG Hong-jun, XU Hai-yu, LIU Na-na, WANG Xiao(124)

Studies of HPLC Characteristic Chromatogram of Saponins in Effective Parts of Xuechangning Formula ..... LIN Hui, RAO Jian-hua, PAN Yi, YANG Tao, XU Da-liang, ZHANG Peng(127)

Study on Chemical Constituents of *Citrullus lanatus* Vine( I ) ..... WANG Shuo, GONG Xiao-mei, ZHOU Dan-dan, DAI Hang, ZHOU Xiao-lei, DENG Jia-gang(131)

Studies on Alkaloids of *Stephania micrantha* ..... ZUO Ai-xue, ZHANG Qiu-ling, LI Li, MA Yun-shu, RAO Gao-xiong(134)

Changes of Chemical Components in Compatibility of *Citrus Aurantium L* with *Paeoniae Radix Alba* ..... CHEN Zhi, CHEN Jia-yi, JIA Wei, CUI Miao-yi, CHEN Chu-yuan, GUAN Jin-tao, ZENG Yuan-er, JIANG Bin(138)

Induction and Culture of Hairy Roots of *Vaccaria segetalis* ..... ZHANG Hai-tao, BAO Jing-shan, YANG Shi-hai, FU Juan, MA Ling(141)

Simultaneous Determination of Ephedrina Hydrochloridum and Pseudoephedrine Hydrochloride in Xiaoorganmaodan Patch by HPLC ..... WANG Su-hui, YAN Hui, SUN Xiao-di, ZHANG Jing, WANG Rui, SUN Shi-guang(145)

HPLC Determination of Notoginsenoside R<sub>1</sub> and Ginsenoside Rg<sub>1</sub>, Re and Rb<sub>1</sub> in Compound *Salvia miltiorrhiza* Capsule ..... XU Yong, ZHU Yan-rong, WANG Ke, JI Shen(148)

HPLC Fingerprint Spectrum of the Flavonoids from *Exochorda serratifolia* Leaves ..... QI Xiao-xu, LIU Yu-qiang, CAI Qian(152)

Determination of Conduriol A in the Flower of *Gymnema sylvestre* ..... QIU Qin, ZHEN Han-shen, HUANG Pei-qian, LI Wen-xiu(155)

- Study on Determination of Sodium Sulfate Content in Natrii Sulfas Exsiccatas by Ion Chromatography** ..... GAN Sheng, HAN Ting, SHI Xiao-guang, WU Chao-quan (158)
- Determination of Adenosine, Cordycepin and Ergosterol in *Cordyceps sinensis* by HPLC** ..... CHEN Ting, LIU Qun, MO Zhuo-kang, XU Min-chang, CHEN Run-tian (161)
- Study on Quality Standard of Anti-inflammation Pills** ..... YU Hong-yan, XU Cheng-gang, LIU Wei, CUI Yong-xia (164)
- In vivo* Intestinal Absorption Kinetics Study of Rhynchophylline and Isorhynchophylline of Tiangou Jiangya Capsules** ..... LI Ji, LI Ling-jun, LOU Hua-wei (167)
- Effect of Yiqi Jiedu Formula on Oxidative Stress in the Focal Cerebral Ischemia Rat** ..... ZHU Li, GAO Jian, WU Chuan-hong, LIU An, SU Pei-yu, LI De-feng, ZHANG Ning, YANG Yang, LI Shao-jing (171)
- Influence of Tongxie Yaofang on the ICAM-1 mRNA and Protein Expression of Colonic Mucosa in Rats with Experimental Ulcerative Colitis** ..... ZHU Xiang-dong, MEI Xiao-yun, WU Hong-yan, PAN Zheng, CAO Yan-fei (174)
- Influence of Yisui Shengxue Granule on the Cell Cycle of Bone Marrow Cells in Mice Irradiated by  $^{60}\text{Co-}\gamma$  Rays** ..... WANG Wen-juan, LIU Li, ZOU Yang, LI Jun-li, LIU Yong-mei, FANG Su-ping, WU Zhi-kui, LV Xin-xia, KAN Jie (179)
- Preventive and Therapeutic Effect of Jiawei Jiaotai Pill on Diabetic Retinopathy in Diabetic Rats and its Potential Mechanism** ..... CHEN Guang, LU Fu-er, YANG Hua-jing, DONG Hui, XU Li-jun, ZOU Xin, HUANG Zhao-yi, WANG Kai-fu (183)
- Comparison in treatment of Hypoglycemia and Hyperlipemia by Zengye Tang Prescription with *Rehmanniae Radix* Processed by Different Method in Diabetes Rats** ..... DUAN Wei-na, ZHANG Zhen-ling, KONG Ying-ying, CHEN Zhi-qing, LI Min-lan (187)
- Effects of Total Flavonoid from *Scutellaria amoena* on Voltage-dependent  $\text{Na}^+$  Current in Guinea-pig Ventricular Myocytes** ..... HE Xiao-shan, PENG Lin, LIN Qing, DAI Rong, BAO Zhao-rigetu, ZHOU Ning-na (192)
- Effects of Shenlian Extracts on Rat Peritoneal Mast Cells Activation** ..... RUAN Cong-xiao, LI Yu-jie, YANG Qing, CHEN Ying, WENG Xiao-gang, WANG Lan, WANG Ying-han, ZHOU Shu-yuan, GUO Yan, ZHOU Bing-bing, ZHU Xiao-xin (196)
- Influences of Weiweikang and its Components on the G Cell and D Cell in Chronic Atrophic Gastritis Rats** ..... LIN Hai-yan, ZHAO Yan, YU Jia-ning (199)
- Protective Effect of Yixinnao Dripping Pills on Myocardial Ischemia Reperfusion Injury in Rats** ..... CHANG Rui-miao, YUE Yuan, XUE Hui, DOU Li-li, WANG Yan-wei, LI Xiao-ni (203)
- Study on Antibacterial Activity of Flavonoids from *Trollius ledebouri*** ..... LIU Ping, CHEN Guang-hui, DENG Shu-hua, LIU Yu-ling, TONG Ji-ming (207)
- Cloning the Promoter of the Human Adiponectin Gene and Research on its Luciferase Activity** ..... CUI Lin, LI Qiang, LU Ling-ling, ZAI Jun-hua, ZHANG Sha-sha (211)
- Efficacy of Zhenwu Decoction on Adriamycin-caused Nephritic Syndrome by Osmotic** ..... LIANG Chun-ling, ZHOU Jiu-yao, ZHOU Yuan, WU Jun-biao, CHOU An, HUA Jing (215)
- Effect of Compound Wuguteng Capsule on  $\text{TNF-}\alpha$ , NK activity in Mice with Lewis Lung Cancer** ..... ZHANG Xiao-shuang, SUN Jian-ning, SONG Yan-ping, ZHANG En-hu (220)
- Effect of Mailuoning Injection on Noxious Heat Stasis Syndrome Rat Model Induced by Lipopolysaccharide in Combination with Carrageenan** ..... LI Tong-ming, DENG Min-zhen (223)
- Effects of Reformatted Linggui Zhugan Decoction on the Level of Serum Resistin, Adiponectin, Insulin and Insulin Resistance in Metabolic Syndrome Model Rats** ..... HUANG Jiang-rong, DU Ya-ming, YAN Jin, HU Ya, LI Xiang-hua (227)
- Effect of Puerarin on the Nrf2/ARE pathway in Substantia Nigra Tissue of Parkinson's Rats Induced by 6-hydroxydopamine** ..... LI Rong, XU Ling-yuan, LIANG Tao, DUAN Xiao-qun, LI Yong-wen, LIAO Wei-yong (230)
- Effect of Coptidis Rhizoma and *Galla Chinensis* Ethanol extract on the Growth Curve of *Streptococcus agalactiae* from Tilapia** ..... LI Yi-shan, NI Chen, TONG Jian-hui, LIN Ji, LAI Xiao-pin (234)
- Effect of Guanmaitong Capsule in Acute Myocardial Ischemia in Dogs** ..... WANG Xue, ZHANG Hong, GAN Yu, QIAO Min, ZOU De-jun, QIN Wen-yan, ZHU Jing-he, ZHAO Jin-ming (238)
- Immunoregulation Function of *Glycyrrhizae Radix* et Rhizoma Polysaccharide to  $\gamma\delta\text{T}$  Cells from Human Peripheral Blood** ..... SUN Shu-yu, HE Xiao-juan, CHAI Wang, LV Cheng, LV Ai-ping, YU Chang-yuan (242)
- Research on Dachengqi Decoction in Treatment of Constipation** ..... ZHAO Yao-dong, LUO Su-cai, DU Wei-feng, CAI Bao-chang, CONG Xiao-dong (246)
- Study of the Anti-metastasis Effect and Mechanism of Liuqun Qutan Jiedu Decoction and its Functional Groups on Lewis Lung Metastasis Model in  $\text{C}_{57}\text{BL}/6\text{J}$  Mice** ..... CHEN Hua-sheng, XU Ai-hua, SHEN Ting-ting, CUI De-li, ZHU Ya-lin (249)
- Protective Effects of Yiganqing on Acute Hepatic Injury in Mice** ..... LV Ji-hua, DENG Yu-yin, LIU Ying, WANG Li, QIN Liang (253)
- Study on the Effect of Mongolian Medicine PRAUP on Experimental Rat Gastric Ulcer** ..... WU Qi-shi-san, SI Qin, WU Da (257)
- Effects of Breviscapine on Renal Cell Apoptosis and Expression of Apoptosis-related Proteins in Mice with Cisplatin-induced Nephrotoxicity** ..... XU Hua, CHANG Lu-lin, MA Tian-jiang, LOU Xiao-yu, REN Liang (260)
- Effects of Rutaecarpine on Cerebral Ischemia-Reperfusion in Mice and its Mechanisms** ..... YAN Chun-lin, ZHANG Ji, GAO Yan-qing, WU Xue-zhi, WANG Shu, XUE Gui-ping (265)



|                                                                                                                                                                                      |                                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Research of TLR9 Inhibitor Influenced Release of IL-6 on Gastric Cancer Cell MGC803 .....                                                                                            | LI Rui, ZHANG Yan-li, LI Ya-lan, LI Xiu-ping (267)                                                                                                                                         |
| Effects of Total Flavonoids of <i>Broussonetia papyrifera</i> on Proliferation and Apoptosis of Hepatocellular Carcinoma HepG-2 Cells .....                                          | ZHU Kai-mei, YAO Li-xin, LIU Jian-nan, GUI Jin-song, GU Sheng-jiu (270)                                                                                                                    |
| Effect of Hypoxic Pulmonary Hypertension of <i>Rhodiola algida</i> var. <i>tangutica</i> and Related Influence on Gene Expression and Protein Content of ET-1 and eNOS .....         | LU Dian-rong, ZHANG Shu-na, JIN Guo-en, BAI Zhen-zhong, YONG Sheng, ZHANG De-jun, WANG Xin-pei, YANG Quan-yu, GA Qin, YANG Ying-zhong, MA Lan, WANG Hai-jie, LU Dian-xiang, GE Ri-li (274) |
| Dynamic Changes of SP mRNAs in Lung Tissues of Rabbits Models with Differentiated Syndromes of Weifen, Qifen, Yingfen, and Xuefen .....                                              | DENG Shi-gui, YE Yin-yi, PENG Zhen-xiang (249)                                                                                                                                             |
| Anti-inflammation Effect and Related Mechanism of Anti-gout Capsules in Rats with Acute Gouty Arthritis .....                                                                        | YU Hong, YUAN Liang-dong, YAO Guan-ping, ZHONG Zhen-xia, YU Li-mei (283)                                                                                                                   |
| Pathological Influence of Jintiang Capsule on Osteoarthritis in Rats .....                                                                                                           | HOU Xiao-li, ZHAO Lin-tao, SONG Yan-ping (287)                                                                                                                                             |
| Effects of URWell on Withdrawal Syndrome and NO/NOS System in Morphine-dependent Mice .....                                                                                          | CHEN Chun-xia, HUO Guo-wei, YANG Er-bin, HUANG Jian-chun, LIN Xin, HUANG Ren-bin (290)                                                                                                     |
| Related Research of Metabolic Syndrome Common Traditional Chinese Medicine Syndrome Type and IR, CRP, LEP .....                                                                      | SU Run-ze, WANG Kun-fang, MA Li, DONG Hui-jie, CHENG Sheng-hui, LIU Yun, RONG Ai-guo, FENG Jun-sheng, YAN Jian-ling (294)                                                                  |
| Effects of Huoxue Sanjie Recipe Liver Area Application on Portal Vein Hemodynamics in Liver Cirrhosis .....                                                                          | LIU Guang-wei, ZHAO Wen-xia, FEI Jing-lan, WANG Chun-fang (298)                                                                                                                            |
| Association of High-sensitivity C Reactive Protein, Homocysteine with Coronary Lesions and Traditional Cardiovascular Risk Factors in Postmenopausal Women .....                     | WANG Shuai, ZHAO Hong-li, LI Lu, ZHANG Xiao-dan, YU Miao, LI Chun, TAN Li-li (301)                                                                                                         |
| Effects of invigorating Kidney and Promoting Blood flow Treatment of Functional Rehabilitation after the Knee Fracture Operation .....                                               | LIN Zi-ling, FAN Yue-guang, ZHAO Jing-tao, YANG Da-wen, HUANG Feng (305)                                                                                                                   |
| Effect of Astragalus Polysaccharide Injection in Radiotherapy on Non-small Cell Lung Cancer and Human Immune Function .....                                                          | CHEN Zhuo, YU Wei-jiang (309)                                                                                                                                                              |
| Treatment of CPAP Combined with Traditional Chinese Medicine for Inflammatory Factors in Exhaled Breath Condensate of Patients with Obstructives Sleep Apnea-hypopnea Syndrome ..... | SHAN Lin, ZHU Hui-li (314)                                                                                                                                                                 |
| Guizhi Fuling Capsules Supplemented to Western Medicine for Treating 40 Cases of Ectopic Pregnancy .....                                                                             | YIN Feng-ling, YAN Chun-yin, SHEN Zong-ji, QIAN Jun-ru, WANG Wei-qi, TANG Xin (317)                                                                                                        |
| Efficacy of Yiqi Huoxue Fang Combined with Ketamine Spinal Block on Treating Intractable Postherpetic Neuralgia .....                                                                | FENG Hai-jun (320)                                                                                                                                                                         |
| Influence of Danshen Injection on CRP, IL-6 Levels in Patientss of Type 2 Diabetes with Lower Extremities Vascular Lesion .....                                                      | WANG Ming-le (323)                                                                                                                                                                         |
| Clinical Efficacy of Combined Therapy of Traditional Chinese Medicine and Western Medicine on Complications of Phacoemulsification .....                                             | MA Hong-lei, WEI Yu-cai, DUAN Jia-liang, SHENG Meng-yi, YAN Xue-mei, DAI Li (326)                                                                                                          |
| Traditional Chinese Medicine Combined with Antibiotic in Treatment of Drug-resistant Bacterial Infections of Lower Respiratory Tract in Elderly .....                                | XU Yu-zhong, LI Zi, HE Chen, XIANG Kai-fu, ZHANG Jie (329)                                                                                                                                 |
| Influence of Zhiheqing Capsule on Blood Inflammatory Factors in Treatment of Patients with Hyperlipidemia .....                                                                      | ZHANG Jin-yue (333)                                                                                                                                                                        |
| Syndrome of Disease Involving Qifen and Yingfen in 47 Cases Treated by Liangying Qingqi Decoction .....                                                                              | LIU Jun-fang, ZHANG Hua-kai, GUO Xuan-xian (336)                                                                                                                                           |
| Clinical research on Fanmu Xietu Tang for Treating Hyperlipemia .....                                                                                                                | SONG Chun-xia, BAO Hong-ling, SHI Jing-jing (339)                                                                                                                                          |
| Huayu Xiaowei Decoction for Treating Chronic Atrophic Gastritis in 76 Cases .....                                                                                                    | WANG Ling-ling, JIA Yu-cong (342)                                                                                                                                                          |
| Analysis on Regularity of Psoriasis TCM Syndromes and Chinese Herbs Application for Psoriasis Blood-Heat Syndrome .....                                                              | JIANG Chun-yan, LI Yuan-wen, TAN Yong, ZHAO Ning (345)                                                                                                                                     |
| Meta Analysis of Randomized Controlled Trails of Tongfu Therapy for Acute Period of Cerebral Hemorrhage .....                                                                        | XIONG Li-hui, WANG Ming, WANG Zhong (349)                                                                                                                                                  |
| Danshen Injection for Diabetic Nephropathy: A Systematic Review .....                                                                                                                | LI Hui-fang, CHENG Sheng-hui, ZHAO Huan (353)                                                                                                                                              |
| Progress on Proniosomes as Drug Carriers .....                                                                                                                                       | JIANG Xiao, LI Sha-sha, ZHANG Bin, WENG Li-dong, LIU Li, LIU Qiang (359)                                                                                                                   |
| Review on Stir-fried into Carbon of Gardenia .....                                                                                                                                   | YAO Lan, ZHANG Cun, YU Ding-rong, MA Yin-lian, GU Xue-zhu, HUANG Qi, LIU Hui (363)                                                                                                         |
| Progress in Pharmacological and Clinical Research of Qishiwei Zhenzhu Wan .....                                                                                                      | DU Wen-bing, HUANG Fu-kai, SHAO Jie, LUO Yuan-dai, ZHEN Li-fang, LIU Ya-li, SHANG Ying (367)                                                                                               |
| Research of Bioavailability of Chinese Materia Medica Preparation .....                                                                                                              | LI Yan-ling, WANG Jin-yu, YANG De-bin, DONG Mei-hong, TONG Yan (372)                                                                                                                       |

Responsible editor: ZOU Xiao-cui