



# 中国中药杂志

Zhongguo Zhongyao Zazhi

半月刊

1955年7月创刊

第35卷

第21期

2010年11月1日出版

主编 肖培根  
主管 中国科学技术协会  
主办 中国药学会  
编辑出版 中国中医科学院中药研究所  
中国中药杂志编辑部  
地址 北京市东直门内南小街16号  
邮编 100700  
电话 (010)64045830  
传真 (010)84022522  
网址 www.中国中药杂志.com  
www.cjcm.org.cn  
E-mail cjcm2006@188.com  
广告代理 数源汇通(北京)文化传播有限公司  
地址:北京市海淀区西三环北路  
11号院A3东  
电话:(010)68412716  
传真:(010)68412716-604  
邮箱:cnyyx@163.com  
印刷 中国文联印刷厂  
国内发行 北京市报刊发行局  
国外发行 北京国际图书贸易总公司  
100044,北京399信箱  
订阅 全国各地邮电局  
国内邮发代号 2-45  
国外邮发代号 SM399  
出版日期 2010年11月1日  
标准刊号 ISSN 1001-5302  
CN 11-2272/R  
广告经营许可证 京东工商广字第0029号  
国内定价 每期30元,全年720元  
版权 2010年版权归中国药学会所有  
<http://www.cpa.org.cn>

## 目 次

### · 综述 ·

- 黄酮类化合物的药物代谢研究进展  
何佳珂,于洋,陈西敬,孙伟,方芳,李宁,郑剑恒 ..... (2789)

- 口服中药治疗肺癌的作用与优势  
田晓英,刘良 ..... (2795)

### · 资源与鉴定 ·

- 青蒿植株青蒿素含量和总量与农艺性状的相关及通径分析  
刘大会,杨美权,邵爱娟,王晓,黄璐琦,唐仕欢,金航,  
范正华 ..... (2801)

- 明党参居群间植物学形态比较  
王长林,郭巧生,童君,陈壮壮,张旭 ..... (2808)

- 川白芷生长发育、养分及有效成分的动态研究  
陈郡雯,吴卫,侯凯,瞿娟园 ..... (2812)

- 怀山药试管块茎形成过程中内源激素的变化  
常莉,薛建平,宋运贤,盛玮,熊聪慧 ..... (2818)

### · 制剂与炮制 ·

- 中药醒鼻温敏凝胶的制备及其体外释放度研究  
褚克丹,李煌,郑健,徐伟,谢伟容,张小琴 ..... (2822)

- HPLC 测定丹皮中丹皮酚在大鼠体内血药浓度及药动学研究  
陈晓兰,陆洋,杜守颖,姚宗玲,王珊,李鹏跃 ..... (2826)

- 附片指纹图谱研究及6种酯型生物碱含量测定  
陈东安,易进海,黄志芳,刘云华,吴燕,李晓亮 ..... (2829)

- 不同产地醋莪术饮片中莪术二酮、莪术醇、吉马酮和β-榄  
香烯含量的比较  
姜国非,陆免林,毛春芹,苏桃,孙晓敏 ..... (2834)

- RP-HPLC 双波长同时测定关节止痛膏中硫酸阿托品、盐酸  
苯海拉明、辣椒碱和二氢辣椒碱的含量  
贾晓斌,刘齐,韦英杰,陈斌,储益平,张家铭 ..... (2838)

- 白芥子炒制前后HPLC 指纹图谱的比较分析  
张村,李丽,肖永庆,逢镇,李桂柳 ..... (2842)

- 生山药及麸炒山药的质量标准研究  
杨连菊,冯学锋,杨京玉,张淑远,贾芳芳,格小光 ..... (2846)

- HPLC 测定癃闭舒片中补骨脂素的含量  
叶英响 ..... (2850)

· 化学 ·

- 手掌参的化学成分  
岳正刚, 訾佳辰, 朱承根, 林生, 杨永春, 石建功 ..... (2852)  
马兜铃化学成分研究  
许玉琼, 尚明英, 葛跃伟, 王璇, 蔡少青 ..... (2862)  
藏药甲地然果(花锚)中山酮成分的含量测定  
古锐, 钟国跃, 罗维早, 张艺, 王昌华, 刘翔, 赵纪峰, 周华蓉 ..... (2866)  
五味子液相色谱指纹图谱的研究  
王薇丹, 叶正良, 宋丽丽, 沈文, 郭巧生, 李德坤, 周大铮 ..... (2871)  
UPLC 测定不同产地、不同部位小叶黑柴胡中黄酮含量  
汤芳玲, 蔡光明, 袁波, 张卓勇 ..... (2874)

· 药理 ·

- 羟基红花黄色素 A 对人胃癌移植瘤裸鼠瘤组织 bFGF 蛋白及 MMP-9 表达的影响  
奚胜艳, 张前, 刘朝阳, 解华, 岳利峰, 赵育芳, 藏宝霞, 高学敏 ..... (2877)  
广防己、粉防己的肝肾毒性及代谢组学比较研究  
梁琦, 倪诚, 颜贤忠, 谢鸣, 张艳霞, 张琪, 杨美娟, 彭双清, 张宇忠 ..... (2882)  
四妙丸对大鼠佐剂性关节炎作用机制的研究  
王晓玉, 张晓兰, 张丽, 李遇伯 ..... (2889)  
黄芪当归合剂肾脏保护作用的有效部位筛选  
赵建荣, 尚明英, 孟立强, 容嵩, 马超美, 屈磊, 蔡少青, 李晓玫 ..... (2893)  
胃肠安丸对肠易激综合征大鼠消化酶、水通道蛋白的影响  
胡瑞, 张桐茂, 唐方 ..... (2899)  
清开灵注射液诱导嗜碱性粒细胞脱颗粒致类过敏反应作用研究  
郑晓亮, 李钦, 赵吟, 颜冬梅, 屠凌嵒, 张信岳 ..... (2904)  
大黄昔元联合溶栓对血栓栓塞性脑缺血大鼠微血管基底膜损伤的保护作用  
李建生, 刘敬霞, 王冬, 刘轲, 梁生旺, 孙捷, 苏静, 李宁, 郭晓燕 ..... (2908)  
恒古骨伤愈合剂对激素性股骨头坏死兔模型干预的组织外观和光镜观察  
胡敏, 赵宏斌, 董锡亮, 罗德军, 周旭 ..... (2912)  
丹参酮类成分及丹参脂溶性提取物在大鼠小肠内的吸收机制比较研究  
闫红波, 吴清, 杜守颖, 杨银花, 周琳, 李学敏 ..... (2917)  
丹参酮对维甲酸致小鼠骨质疏松的防治作用  
周延萌, 刘玉波, 高允生 ..... (2923)

· 学术探讨 ·

- 《中国药用动物志》补遗与修订思考  
黄璐琦, 李军德, 唐仕欢 ..... (2927)  
《中国药典》中哈蟆油的基原问题研讨  
肖井雷, 姜大成 ..... (2931)

· 药事管理 ·

- 中药外用制剂研制及质量评价中应注意的问题  
金芳 ..... (2934)

· 信息 ·

- 《中国中药杂志》征订启事 ..... (2794)  
本刊近况简介 ..... (2825)  
本刊重要启事 ..... (2845)  
征订启事 ..... (2865)  
欢迎订购《当代药用植物典》丛书 ..... (2936)



# CHINA JOURNAL OF CHINESE MATERIA MEDICA (Semimonthly)

Started in July, 1955

Volume 35 Issue 21 November 2010

**Editor-in-Chief**

XIAO Peigen

**Responsible Institution**

China Association for Science and Technology

**Sponsored by**

Chinese Pharmaceutical Association

**Edited and Published by**

Editorial Board of China Journal of Chinese  
Materia Medica

Institute of Chinese Materia Medica, China  
Academy of Chinese Medical Sciences

**Address:** 16 Nanxiaojie, Inner Dongzhimen  
Beijing 100700, China

**Tel:** 0086-10-64045830

**Fax:** 0086-10-84022522

**E-mail:** cjemm2006@188.com

**http://www.cjemm.com.cn**

**Printed by**

China Wenlian Printing House

**Overseas Distributor**

China International Book Trading Corpora-  
tion, PO Box 399, Beijing 100044, China

2010, Vol. 35 Issue 21

**Publication Date**

November 1, 2010

ISSN 1001-5302

CN 11-2272/R

Copyright 2010 by Chinese Pharmaceutical  
Association

<http://www.cpa.org.cn>

## CONTENTS IN BRIEF

**Research progress on drug metabolism of flavanoids**

HE Jiake, YU Yang, CHEN Xijing, SUN Wei, FANG Fang, LI Ning,  
ZHENG Jianheng ..... (2794)

**Effect and advantage of orally taking Chinese herbal medicine for treatment  
of lung cancer**

TIAN Xiaoying, LIU Liang ..... (2800)

**Correlation and path analysis on artemisinin content and yield with  
different agronomic traits of *Artemisia annua***

LIU Dahui, YANG Meiquan, SHAO Aijuan, WANG Xiao,  
HUANG Luqi, TANG Shihuan, JIN Hang, FAN Zhenghua ..... (2807)

**Comparison on botanical morphology in different populations of  
*Changium smyrnoides***

WANG Changlin, GUO Qiaosheng, TONG Jun, CHEN Zhuangzhuang,  
ZHANG Xu ..... (2811)

**Dynamic research of growth, N, P, K and active ingredients in  
*Angelica dahurica* var. *formosana* from Sichuan province**

CHEN Junwen, WU Wei, HOU Kai, ZAI Juanyuan ..... (2817)

**Variation of endogenous hormones in formation of microtuber of  
*Dioscorea opposita* in vitro**

CHANG Li, XUE Jianping, SONG Yunxian, SHENG Wei,  
XIONG Conghui ..... (2821)

**Preparation of nasal thermosensible gels of Chinese medicine Xingbi  
and release behavior in vitro**

CHU Kedan, LI Huang, ZHENG Jian, XU Wei, XIE Weirong,  
ZHANG Xiaoqin ..... (2825)

**Determination of paeonol in rat plasma by HPLC and  
pharmacokinetic study**

CHEN Xiaolan, LU Yang, DU Shouying, YAO Zongling, WANG Shan,  
LI pengyue ..... (2828)

**Study on HPLC fingerprinting and determine six kinds of ester-  
type alkaloids of *Radix Aconiti lateralis praeparata* slice**

CHEN Dong'an, YI Jinhai, HUANG Zhifang, LIU Yunhua, WU Yan,  
LI Xiaoliang ..... (2833)

**Comparison of content of curdione, curcumol, germacrone and  
 $\beta$ -elemene in different varieties of vinegar backed Rhizoma  
Curcumae**

JIANG Guofei, LU Tulin, MAO Chunqin, SU Tao, SUN Xiaomin ... (2837)

<b>Simultaneously determination of atropine sulphate ,diphenhydramine hydrochloride , capsaicin and dihydrocapsaicin in pain-relieving plaster for arthritis by RP-HPLC</b>	
JIA Xiaobin, LIU Qi, WEI Yingjie, CHEN Bin, CHU Yiping, ZHANG Jiaming .....	(2841)
<b>HPLC fingerprints of processed products from <i>Sinapis alba</i></b>	
ZHANG Cun, LI Li, XIAO Yongqing, PANG Zhen, LI Guiliu .....	(2845)
<b>Study on quality standard of Rhizoma Dioscoreae and Rhizoma Dioscoreae stir-baked with bran</b>	
YANG Lianju, FENG Xuefeng, YANG Jingyu, ZHANG Shuyun, JIA Fangfang, GE Xiaoguang .....	(2849)
<b>Constituents of <i>Gymnadenia conopsea</i></b>	
YUE Zhenggang, ZI Jiachen, ZHU Chenggen, LIN Sheng, YANG Yongchun, SHI Jiangong .....	(2861)
<b>Chemical constituent from fruit of <i>Aristolochia contorta</i></b>	
XU Yuqiong, SHANG Mingying, GE Yuwei, WANG Xuan, CAI Shaoqing .....	(2865)
<b>Determination of xanthones in Tibetan herb Jiadiranguo (Herba Haleniae)</b>	
GU Rui, ZHONG Guoyue, LUO Weizao, ZHANG Yi, WANG Changhua, LIU Xiang, ZHAO Jifeng, ZHOU Huarong .....	(2870)
<b>Research on chromatographic fingerprint of fruits of <i>Schisandra chinensis</i></b>	
WANG Weidan, YE Zhengliang, SONG Lili, SHEN Wen, GUO Qiaosheng, LI Dekun, ZHOU Dazheng .....	(2873)
<b>Determination of flavones in different origin and parts of <i>Bupleurum smithii</i> var. <i>parvifoliaum</i> by UPLC-PDA</b>	
TANG Fangling, CAI Guangming, YUAN Bo , ZHANG Zhuoyong .....	(2876)
<b>Effects of HSYA on expression of bFGF protein and MMP-9 in BGC-823 transplantation tumor of nude mice</b>	
XI Shengyan, ZHANG Qian, LIU Chaoyang, XIE Hua, YUE Lifeng, ZHAO Yufang, ZANG Baoxia, GAO Xuemin .....	(2881)
<b>Comparative study on metabonomics and on liver and kidney toxicity of <i>Aristolochia fangchi</i> and <i>Stephania tetrandra</i></b>	
LIANG Qi, NI Cheng, YAN Xianzhong, XIE Ming, ZHANG Yanxia, ZHANG Qi, YANG Meijuan, PENG Shuangqing, ZHANG Yuzhong .....	(2888)
<b>Effects and mechanisms of Simiao pill on adjuvant arthritis rats model</b>	
WANG Xiaoyu, ZHANG Xiaolan, ZHANG Li, LI Yubo .....	(2892)
<b>Screening effective parts of a combination of Astragali Radix and Angelicae Sinensis Radix (A&amp;A) for its renoprotective effects</b>	
ZHAO Jianrong, SHANG Mingying, MENG Liqiang, RONG Song, MA Chaomei, QU Lei, CAI Shaoqing, LI Xiaomei .....	(2898)
<b>Effect of Weichang'an pill on intestinal digestive ferment and the AQP4 concentration in proximal colon in IBS-D rats</b>	
HU Rui, ZHANG Tongmao, TANG Fang .....	(2903)
<b>Anaphylactoid reaction induced by Qingkailing injection via basophils cells degranulation</b>	
ZHENG Xiaoliang, LI Qin, ZHAO Yin, YAN Dongmei, TU Linglan, ZHANG Xinyue .....	(2907)
<b>Effects of rhubarb aglycone combined with thrombolysis on brain microvascular basement membrane impairment in rats with thrombus-occluded cerebral ischemia</b>	
LI Jiansheng, LIU Jingxia, WANG Dong, LIU Ke, LIANG Shengwang, SUN Jie, SU Jing, LI Ning, GUO Xiaoyan .....	(2911)
<b>General and light microscope observation on histological changes of femoral heads between SANFH rabbit animal models and it were intervened by Osteoking</b>	
HU Min, ZHAO Hongbin, DONG Xiliang, LUO Dejun, ZHOU Xu .....	(2916)
<b>Absorption mechanism of tanshinone II<sub>A</sub>, cryptotanshinone, tanshinone I and tanshinones extract in rat small intestine <i>in vivo</i></b>	
YAN Hongbo, WU Qing, DU Shouying, YANG Yinhua, ZHOU Lin, LI Xuemin .....	(2922)
<b>Effect of tanshitone on prevention and treatment of retinoic acid induced osteoporosis in mice</b>	
ZHOU Yanmeng, LI Yubo, GAO Yunsheng .....	(2926)
<b>Addendum and emendation of "China Medicinal Animal Fauna"</b>	
HUANG Luqi, LI Junde, TANG Shihuan .....	(2930)
<b>On origin of Oviductus Ranae in Chinese Pharmacopoeia</b>	
XIAO Jinglei, JIANG Dacheng .....	(2933)
<b>Some problems about research and quality evaluation on external preparations of traditional Chinese medicine</b>	
JIN Fang .....	(2936)