



JOURNAL OF
CHINESE MATERIA MEDICA

中国中药杂志

ISSN 1001-5302
CN 11-2272/R

中国药学会系列期刊



中国中文核心期刊
中国科技核心期刊
中国自然科学核心期刊
中国百种杰出学术期刊

ISSN 1001-5302



9 771001 530087

中国药学会
CHINESE PHARMACEUTICAL ASSOCIATION

21
2012



中国中药杂志

Zhongguo Zhongyao Zazhi

半月刊

1955 年 7 月创刊

第 37 卷

第 21 期

2012 年 11 月 1 日出版

主 编 王永炎

主 管 中国科学技术协会

主 办 中国药学会

编辑出版 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

(010)84038684(广告部)

传真 (010)84022522

网址 www. 中国中药杂志. com

www. cjemm. com. cn

E-mail ejemm2006@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 号海通时代商务中心

A1 座

电话: (010)68412716-603

传真: (010)68715756

邮箱:cnyyx@163. com

印 刷 北京华正印刷有限公司

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 2012 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

目 次

· 中药有效期专栏 ·

- 经典恒温法测定荆芥饮片有效期
李昌勤, 王金梅, 康文艺 (3173)

- 初均速法预测补骨脂药材的有效期
魏金凤, 薛志平, 刘杰, 康文艺 (3176)

- 初均速法预测金银花的有效期
薛志平, 王金梅, 刘杰, 康文艺 (3179)

- 经典恒温法预测杭白菊和贡菊的有效期
周大鹏, 薛志平, 刘杰, 康文艺 (3182)

- 初匀速法测定中药薄荷有效期
王金梅, 李昌勤, 康文艺 (3185)

· 综述 ·

- 生防菌对药用植物土传病害的抗病机制及应用探讨
杨立, 陈美兰, 邵爱娟, 杨光 (3188)

- BeWo 细胞模型及其在胎盘转运机制研究中的应用
郭洁, 宋殿荣 (3193)

- 精制清开灵干预缺血性脑损伤药理作用机制研究进展
陈寅萤, 王忠 (3198)

- 黄芪中有效成分药理活性的研究进展
张蔷, 高文远, 满淑丽 (3203)

· 资源与鉴定 ·

- 高良姜 1-脱氧-D-木酮糖 5-磷酸还原异构酶 cDNA 克隆
与表达调控
张春荣, 杨全, 陈虎彪, 庞玉新, 唐晓敏, 程轩轩,

- 吴文雅, 陈诗敏 (3208)

- 植物生长调节剂缩节胺对黄芩活性成分含量的影响
胡国强, 张学文, 李昊辉, 宋国虎, 袁媛, 林淑芳,

- 吴志刚 (3215)

- 秀山县灰毡毛忍冬蚜虫及主要天敌消长规律与药剂筛选
研究
张应, 吴叶宽, 刘雨升, 李隆云 (3219)

- 白花曼陀罗毛状根的诱导及东莨菪碱和莨菪碱的合成
张显强, 罗正伟, 张鸿, 王凤英, 孙际薇, 孙敏 (3223)

· 制剂与炮制 ·

- ZrO₂无机陶瓷膜精制黄芪水提液的污染和防治研究
潘林梅, 黄敏燕, 郭立玮 (3229)

- 不同粒径连翘粉体中连翘苷体外溶出研究
刘新义, 张水寒, 李健和, 向大雄, 易利丹, 叶祖光 (3233)

- 酶解栀子苷制备苷元的正交试验研究
钮小松, 孟兆青, 程宁波, 朱经艳, 丁岗, 毕宇安,

- 王振中, 萧伟 (3236)

· 化学 ·

- 金铁锁中 1 个新 β -咔啉生物碱 (3240)
王微, 袁琳, 顾雪竹, 康文艺
蒙古黄芪中异黄酮类化学成分研究 (3243)
张亚洲, 徐风, 梁静, 唐静姝, 尚明英, 王璇, 蔡少青
一点红地上部分的化学成分研究 (3249)
沈寿茂, 沈连钢, 雷崎方, 斯建勇, 刘春明, 陆晖
黄瓜子脂肪油化学成分的研究 (3252)
吴晓毅, 巢志茂, 王淳, 谭志高, 孙文
基于液质联用数据库技术的中药及天然产物化学成分快速鉴定方法的建立 (3256)
钱叶飞, 尚尔鑫, 段金廒, 钱大玮, 唐于平
不同色谱条件对 QAMS 相对校正因子及相对保留值影响的实验研究 (3264)
冯伟红, 杨菲, 王智民, 张启伟, 李东影, 吉丽娜, 王钰莹
藤黄中藤黄酸 2 种异构体的 HPLC 含量测定 (3268)
张俊艳, 夏广萍, 赵娜夏, 常允平, 韩英梅

· 药理 ·

- 清心开窍方含药脑脊液对 $A\beta_{25-35}$ 所致 PC12 细胞损伤的保护作用 (3271)
叶光华, 胡海燕, 陈翔, 王文花, 张晓艳
桃红四物汤用于原发性痛经的整合效应评价研究 (3275)
刘立, 段金廒, 华永庆, 刘培, 尚尔鑫, 唐于平, 宿树兰
无患子皂苷对自发性高血压大鼠主动脉血管内皮功能调节作用的实验研究 (3282)
陈明, 陈志武, 龙子江, 高华武, 卞海, 王雅娟, 王靓
黄连对正常小鼠红细胞的影响及其抗氧化属性研究 (3288)
徐颖, 刘春芳, 杨滨, 王艳伟, 乔利, 林娜
定志小丸对东莨菪碱所致小鼠学习记忆障碍的影响及机制 (3293)
闫娟娟, 刘明, 胡园, 余冰颖, 张刚强, 刘屏
鱼腥草素钠对铜绿假单胞菌黏附的清除作用及对生物被膜形成的影响 (3297)
程惠娟, 汪长中, 卢文波, 胡跃龙, 高磊, 朱玲玲
平性活血化瘀药对寒、热 2 种血瘀证双向适用的实验研究 I (3302)
郝二伟, 邓家刚, 杜正彩, 杨柯, 郑作文, 王勤, 黄丽贞, 包传红, 邓秀琼, 芦晓燕, 唐志玲

· 药代动力学 ·

- MD-HPLC 联用研究中药苏合香对西药舒必利脑药和血药浓度的影响 (3307)
刘萍, 于绍帅, 何新荣
类叶升麻昔在大鼠体内的药代动力学研究 (3312)
吴培培, 霍仕霞, 高莉, 李建梅, 林娟, 蔡良谋, 闫明, 黄毅, 凯赛尔·阿不都克热木

· 民族药 ·

- 红活麻总香豆素对葡聚糖硫酸钠所致小鼠结肠炎的作用研究 (3316)
鲁憬莉, 李伟杰, 侯文睿, 兰艳, 周红, 尹力娇, 曾莹, 向明
内蒙古扎鲁特旗蒙古族民间药用植物初步调查 (3321)
李昭日格图, 萨仁格日乐

· 临床 ·

- BK 算法在中医方剂“基本方”发现中的应用 (3323)
杨铭, 田雨, 陈佳蕾, 茅建春, 宋瑜

· 药事管理 ·

- 《药品不良反应报告和监测管理办法》下药品生产企业不良反应监测工作模式探讨 (3329)
杨延音, 董志, 夏永鹏

· 学术探讨 ·

- 论中药材栽培主产区的形成因素及栽培区划 (3334)
孟祥才, 黄璐琦, 陈士林, 王喜军

中药药性理论复杂性特征分析 (3340)
金锐, 张冰



CHINA JOURNAL OF CHINESE MATERIA MEDICA (Semimonthly)

Started in July, 1955

Volume 37 Issue 21 November 2012

Editor-in-Chief

WANG Yongyan

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

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

Beijing Huazheng Printing Co., Ltd.

Overseas Distributor

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

2012, Vol. 37 Issue 21

Publication Date

November 1, 2012

ISSN 1001-5302

CN 11-2272/R

CONTENTS IN BRIEF

- Determination of effective time of *Schizonepeta tenuifolia* pieces by classical constant temperature acceleration experiment**
LI Chang-qin, WANG Jin-mei, KANG Wen-yi (3175)
- Stable life prediction for *Psoralea corylifolia* by initial average rate stability test**
WEI Jin-feng, XUE Zhi-ping, LIU Jie, KANG Wen-yi (3178)
- Stable life prediction for honeysuckle by initial average rate stability test**
XUE Zhi-ping, WANG Jin-mei, LIU Jie, KANG Wen-yi (3181)
- Stable life prediction of Hangbaiju and Gongju by classic constant temperature accelerated test method**
ZHOU Da-peng, XUE Zhi-ping, LIU Jie, KANG Wen-yi (3184)
- Stable life prediction for *Mentha haplocalyx* by initial average rate stability test**
WANG Jin-mei, LI Chang-qin, KANG Wen-yi (3187)
- Discussion on applications and mechanisms of biocontrol microorganisms used for controlling medicinal plant soil-borne diseases**
YANG Li, CHEN Mei-lan, SHAO Ai-juan, YANG Guang (3192)
- Application of BeWo cell model in studies on placental transport mechanism**
GUO Jie, SONG Dian-rong (3197)
- Advance in study on pharmacological mechanisms of Qingkailing injection in intervention of ischemic cerebral injury**
CHEN Yin-ying, WANG Zhong (3202)
- Chemical composition and pharmacological activities of Astragalus Radix**
ZHANG Qiang, GAO Wen-yuan, MAN Shu-li (3207)
- Cloning and expression regulation of 1-deoxy-D-xylulose-5-phosphate reductoisomerase cDNA from *Alpinia officinarum***
ZHANG Chun-rong, YANG Quan, CHEN Hu-biao, PANG Yu-xin, TANG Xiao-min, CHENG Xuan-xuan, WU Wen-ya, CHEN Shi-min (3214)
- Effects of plant growth regulator mepiquat chloride on content of active compounds in *Scutellaria baicalensis***
HU Guo-qiang, ZHANG Xue-wen, LI Min-hui, SONG Guo-hu, YUAN Yuan, LIN Shu-fang, WU Zhi-gang (3218)
- Research on population dynamics of *Lonicera macranthoides* aphid and natural enemy in Xiushan and evolution of pesticides**
ZHANG Ying, WU Ye-kuan, LIU Yu-sheng, LI Long-yun (3222)
- Scopolamine and hyoscyamine synthesis in hair roots culture of *Datura metel***
ZHANG Xian-qiang, LUO Zheng-wei, ZHANG Hong, WANG Feng-ying, SUN Ji-wei, SUN Min (3228)

Pollution prevention and control of aqueous extract of Astragali Radix processed with ZrO₂ inorganic ceramic membrane micro-filtration	(3232)
PAN Lin-men, HUANG Min-yan, GUO Li-wei	
In vitro dissolution of forsythin in <i>Forsythia suspensa</i> powder of different particle diameter	(3235)
LIU Xin-yi, ZHANG Shui-han, LI Jian-he, XIANG Da-xiong, YI Li-dan, YE Zu-guang	
Orthogonal test for preparing genipin with enzymolyzed geniposide	
NIU Xiao-song, MENG Zhao-qing, CHENG Ning-bo, ZHU Jing-yan, DING Gang, BI Yu-an, WANG Zhen-zhong, XIAO Wei	(3239)
New β-carboline alkaloids contained in <i>Psammosilene tunicoides</i>	(3242)
WANG Wei, YUAN Lin, GU Xue-zhu, KANG Wen-yi	
Isoflavonoids from roots of <i>Astragalus membranaceus</i> var. <i>mongolicus</i>	
ZHANG Ya-zhou, XU Feng, LIANG Jing, TANG Jing-shu, SHANG Ming-ying, WANG Xuan, CAI Shao-qing	(3248)
Chemical constituents contained in aerial parts of <i>Emilia sonchifolia</i>	
SHEN Shou-mao, SHEN Lian-gang, LEI Qi-fang, SI Jian-yong, LIU Chun-ming, LU Hui	(3251)
Chemical constituents contained in fatty oil from seeds of <i>Cucumis sativus</i>	
WU Xiao-yi, CHAO Zhi-mao, WANG Chun, TAN Zhi-gao, SUN Wen	(3255)
Construction of a rapid identification method for chemical constituents in traditional Chinese medicine based on liquid chromatography-hybrid mass spectrometry-database	
QIAN Ye-fei, SHANG Er-xin, DUAN Jin-ao, QIAN Da-wei, TANG Yu-ping	(3263)
Experimental study on effect of different chromatographic conditions on QAMS relative correlation factors and relative retention values	
FENG Wei-hong, YANG Fei, WANG Zhi-min, ZHANG Qi-wei, LI Dong-ying, JI Li-na, WANG Yu-ying	(3267)
Content determination of two isomers contained in <i>Garcinia hanburyi</i> by HPLC	
ZHANG Jun-yan, XIA Guang-ping, Zhao Na-xia, CHANG Yun-ping, HAN Ying-mei	(3270)
Protective effect of Qingxin Kaiqiao Fang containing cerebrospinal fluid on PC12 cell injury induced by Aβ₂₅₋₃₅	
YE Guang-hua, HU Hai-yan, CHEN Xiang, WANG Wen-hua, ZHANG Xiao-yan	(3274)
Evaluation study on integration effect of Taohong Siwu Tang in treating primary dysmenorrhea	
LIU Li, DUAN Jin-ao, HUA Yong-qing, LIU Pei, SHANG Er-xin, TANG Yu-ping, SU Shu-lan	(3281)
Research of sapindus saponins on endothelial function in spontaneously hypertensive rats	
CHEN Ming, CHEN Zhi-wu, LONG Zi-jiang, GAO Hua-wu, BIAN Hai, WANG Ya-juan, WANG Liang	(3287)
Study on effect of Coptidis Rhizoma on red blood cells of normal mice and its antioxidant property	
XU Ying, LIU Chun-fang, YANG Bin, WANG Yan-wei, QIAO Li, LIN Na	(3292)
Effect and mechanism of Dingzhixiao Wan on scopolamine-induced learning-memory impairment in mice	
YAN Juan-juan, LIU Ming, HU Yuan, YU Bing-ying, ZHANG Gang-qiang, LIU Ping	(3296)
Effects of houttuyfonate sodium on eliminating adhesion of <i>Pseudomonas aeruginosa</i> and forming biofilms	
CHENG Hui-juan, WANG Chang-zhong, LU Wen-bo, HU Yue-long, GAO Lei, ZHU Ling-ling	(3301)
Experimental study on two-way application of traditional Chinese medicines capable of promoting blood circulation and removing blood stasis with neutral property in cold and hot blood stasis syndrome I	
HAO Er-wei, DENG Jia-gang, DU Zheng-cai, YANG Ke, ZHENG Zuo-wen, WANG Qin, HUANG Li-zhen, BAO Chuan-hong, DENG Xiu-qiong, LU Xiao-yan, TANG Zhi-ling	(3306)
Effect of storax on concentration of sulpiride in brain and blood by MD-HPLC	
LIU Ping, YU Shao-shuai, HE Xin-rong	(3311)
Pharmacokinetic study on acetoside in rats	
WU Pei-pei, HUO Shi-xia, GAO Li, LI Jian-mei, LIN Juan, CAI Liang-mo, YAN Ming, HUANG Yi, KAISAIER Abudukeremu	(3315)
Study on effect of total coumarins from <i>Urtica dentata</i> on dextran sulfate sodium-induced colitis in mice	
LU Jing-li, LI Wei-jie, HOU Wen-rui, LAN Yan, ZHOU Hong, YIN Li-jiao, ZENG Ying, XIANG Ming	(3320)
Application of bron-kerbosch algorithm for discovery of basic formulas of traditional Chinese medicine	
YANG Ming, TIAN Yu, CHEN Jia-lei, MAO Jian-chun, SONG Yu	(3328)
Discussion on adverse reactions monitoring modes of drug manufacturers under new measures for administration of adverse drug reaction report and monitoring	
YANG Yan-yin, DONG Zhi, XIA Yong-peng	(3333)
On formation factors of major producing areas for Chinese materia medica and planting regionalization	
MENG Xiang-cai, HUANG Lu-qi, CHEN Shi-lin, WANG Xi-jun	(3339)
Analysis on complex characteristics of traditional Chinese medicine property theory	
JIN Rui, ZHANG Bing	(3343)