



Q K 1 8 5 4 4 2 2

特别关注：

# 基于中药复方适度调节原理与广义免疫组平衡监测的中医证候研究与中药复方药效评价新思路、新方法

广义免疫组学整体或局部平衡监测已是新病因观重要判定依据，而平衡也是中医整体观核心思想。可以预见，此依据为中西医学桥接理论基础之一。运用统计学方法建立基于该桥接理论的中医证候与中药复方药效评价体系，会深入揭示中医整体观科学内涵，为中药药效评价提供新思路新方法。随着样本与数据增加，该体系将更精准智能。

中国  
中  
药  
杂  
志

China Journal of  
Chinese Materia Medica

第43卷 第16期  
Vol. 43 No. 16

2018/16



关注杂志官方微信

中国药学会  
CHINESE PHARMACEUTICAL ASSOCIATION

万方数据



## 目 次

### · 专论 ·

- 基于中药复方适度调节原理与广义免疫组平衡监测的中医证候研究与中药复方药效评价新思路、新方法  
张翼冠, 谭蕊蓉, 任思冲, 马欣, 严志祥, 华桦, 鄢良春, 戴瑛, 赵军宁 ..... (3229)

### · 综述 ·

- 中医药通过调节肠道菌群抑制肥胖和炎症相关疾病的进展研究  
桑婷婷, 郭铖洁, 郭丹丹, 王兴亚 ..... (3235)

### · 资源与鉴定 ·

- 基于近红外分析和化学计量学方法对不同产地灵芝快速鉴别及多糖含量测定的研究  
赖长江生, 周融融, 余意, 曾雯, 胡明华, 范罗嫡, 陈林, 邱子栋, 宋川, 张水寒, 郭兰萍, 黄璐琦 ..... (3243)  
皂角刺发育过程形态特征变化规律与槲皮素、总多酚积累动态研究  
李建军, 尚星晨, 马静潇, 张光田 ..... (3249)

### · 分子生药学 ·

- 罗汉果角鲨烯环氧酶基因的克隆及表达分析  
赵欢, 郭娟, 唐其, 郭兰萍, 黄璐琦, 马小军 ..... (3255)

### · 制剂与炮制 ·

- 白虎加桂枝汤单煎与合煎提取物质量表征特性分析  
彭平, 田瑞华, 杜菁, 段娟娟, 李晋生, 张蓓 ..... (3263)  
基于多模块偏最小二乘的中药制药过程系统建模研究  
孙飞, 詹书怡, 郭宁, 梁生旺, 乔延江, 王淑美 ..... (3270)  
基于UPLC指纹图谱结合化学模式识别的丹参通脑软胶囊质量控制研究  
周霖, 孙志, 薛文华, 梁淑红, 左莉华, 丁娟, 赵灵灵, 姜晓芳, 贾清泉, 韦花, 刘克锋, 胡幼红, 赵杰 ..... (3279)  
不同产地加工炮制方法对枳壳质量的影响  
梁献葵, 王艳慧, 雷敬卫, 谢彩侠, 唐维维, 杜婷婷 ..... (3285)  
黔产石韦排石作用活性部位的研究  
王亚茹, 杨武德 ..... (3291)

### · 化学 ·

- 1株链霉菌 *Streptomyces* sp. A1693 的次级代谢产物研究  
刘志国, 唐梦月, 孟庆红, 张村, 孙奕 ..... (3301)  
绵毛马兜铃果实化学成分及杀南方根结线虫研究  
卜森森, 余森泉, 董存柱 ..... (3307)

二氢白屈菜红碱在不同溶剂的结构转化研究	
邱博琳, 王玲燕, 夏桂阳, 张景芳, 武玉卓, 李瑞, 肖标兵, 钟万超, 林鹏程, 林生 .....	(3315)
指纹图谱、模式识别结合一测多评法在广金钱草质量评价中的应用研究	
陈亮元, 程轩轩, 唐晓敏, 杨全 .....	(3322)
羚羊角与山羊角蛋白质类成分比较研究	
刘睿, 朱振华, 吴佳, 钱大伟, 段金廒 .....	(3329)
<b>·药理·</b>	
肺节风中迷迭香酸成分对乳腺癌细胞增殖、迁移能力及凋亡相关基因表达影响	
李宏, 庄海林, 林俊锦, 张月芬, 黄慧, 罗霆, 余文桃, 倪峰.....	(3335)
睡眠剥夺诱导的大鼠血瘀证对血小板活化影响的研究	
史雅红, 任建勋, 刘建勋, 黄婷婷, 郝婷婷, 王敏, 李军梅, 林成仁, 任钧国 .....	(3341)
银杏酮酯抑制 LPS/ATP 诱导原代小胶质细胞 NLRP3 炎症小体的激活机制研究	
刘富群, 高崎, 王丹丹, 张志雄 .....	(3346)
苦豆子中黄酮类成分的网络药理学研究	
肖东, 庄改改, 李元杰, 柳全霞, 高晓娟, 雍婧姣, 张霞, 赵建军, 王汉卿 .....	(3353)
基于 GPER2/MAPK/STAT1 轴研究少腹逐瘀汤治疗子宫内膜异位症痛经分子机制	
崔宇红, 吴晶, 蔡玮, 杜娟, 曹军民, 吉秀家, 巩子汉 .....	(3362)
<b>·临床·</b>	
基于数据挖掘和整合药理学平台的藏医治疗脾胃病用药规律及作用机制	
贡保东知, 罗晴方, 余羊羊, 文成当智, 曾商禹, 刚焕晨雷, 张艺 .....	(3368)
基于数据挖掘的历代医家痴呆相关病症用药规律分析	
易亚乔, 方锐, 葛金文, 成绍武, 王国佐, 刘林 .....	(3376)
正清风痛宁缓释片治疗强直性脊柱炎随机对照临床研究 Meta 分析	
王媛, 刘春香, 张俊华, 秦艺珊, 王辉, 刘源 .....	(3382)
真实世界银花泌炎灵片用药人群临床特征	
孙锦, 谢雁鸣, 刘垣, 张寅, 张永升, 庄严 .....	(3391)
<b>·青蒿素研究·</b>	
低浓度双氢青蒿素对恶性疟原虫 3D7 株干预效应观察	
郭媛, 李凯, 姜晓慧, 杨婷, 郑钟原, 陈利娜, 李玉洁, 郑晓俊.....	(3397)
<b>·民族药·</b>	
藏药蓝、黑、杂色 3 类榜间品种考证研究	
付林, 古锐, 马逾英, 泽翁拥忠, 降拥四郎, 张静波 .....	(3404)
蒙古族医药标准化的现状解析与战略思考	
朱翔慧, 伊乐泰, 李曼辉 .....	(3412)

本期责任编辑:张燕



## CONTENTS IN BRIEF

**New method for evaluating pharmacodynamics of traditional Chinese medicine compounds based on its moderate regulation and principle of balanced adjustment of immunity under pan-immunomic**

ZHANG Yi-guan, TAN Rui-rong, REN Si-chong, MA Xin, YAN Zhi-xiang, HUA Hua, YAN Liang-chun, DAI Ying, ZHAO Jun-ning ..... (3229)

**Effect of traditional Chinese medicine in inhibiting obesity and inflammatory diseases by regulating gut microbiota**

SANG Ting-ting, GUO Cheng-jie, GUO Dan-dan, WANG Xing-ya ..... (3235)

**Rapid identification of geographical origins and determination of polysaccharides contents in *Ganoderma lucidum* based on near infrared spectroscopy and chemometrics**

LAI Chang-jiang-sheng, ZHOU Rong-rong, YU Yi, ZENG Wen, HU Ming-hua, FAN Luo-di, CHEN Lin, QIU Zi-dong, SONG Chuan, ZHANG Shui-han, GUO Lan-ping, HUANG Lu-qi ..... (3243)

**Research on morphological characteristics change of quercetin and polyphenols of accumulation dynamic of spines of *Gleditsia sinensis***

LI Jian-jun, SHANG Xing-chen, MA Jing-xiao, ZHANG Guang-tian ..... (3249)

**Cloning and expression analysis of squalene epoxidase genes from *Siraitia grosvenorii***

ZHAO Huan, GUO Juan, TANG Qi, GUO Lan-ping, HUANG Lu-qi, MA Xiao-jun ..... (3255)

**Quality characterization analysis of single decoction and merger decoction of Baihu and Guizhi**

PENG Ping, TIAN Rui-hua, DU Jing, DUAN Juan-juan, LI Jin-sheng, ZHANG Bei ..... (3263)

**System modeling on Chinese herbal medicine process based on multi-block partial least squares**

SUN Fei, ZHAN Shu-yi, GUO Ning, LIANG Sheng-wang, QIAO Yan-jiang, WANG Shu-mei ..... (3270)

**Quality control of Dandeng Tongnao Ruanjiaonang based on UPLC fingerprint combined with chemical pattern recognition**

ZHOU Lin, SUN Zhi, XUE Wen-hua, LIANG Shu-hong, ZUO Li-hua, DING Juan, ZHAO Ling-ling, JIANG Xiao-fang, JIA Qing-quan, WEI Hua, LIU Ke-feng, HU You-hong, ZHAO Jie ..... (3279)

**Effect of different initial processing methods on quality of gardenia**

LIANG Xian-kui, WANG Yan-hui, LEI Jing-wei, XIE Cai-xia, TANG Wei-wei, DU Ting-ting ..... (3285)

**Lithagogue effects of *Pyrrosia lingua* from Guizhou province on experimental renal calculus in rats**

WANG Ya-ru, YANG Wu-de ..... (3291)

**Secondary metabolites of *Streptomyces* sp. A1693**

LIU Zhi-guo, TANG Meng-yue, MENG Qing-hong, ZHANG Cun, SUN Yi ..... (3301)

**Chemical constituents from fruits of *Aristolochia mollissima* and their nematicidal activity against root-knot nematode**

BU Miao-miao, YU Sen-quan, DONG Cun-zhu ..... (3307)

<b>Study on structural conversion of dihydrochelerythrine in different solvents</b>	
QIU Bo-lin, WANG Ling-yan, XIA Gui-yang, ZHANG Jing-fang, WU Yu-zhuo, LI Rui, XIAO Biao-bing, ZHONG Wan-chao, LIN Peng-cheng, LIN Sheng .....	(3315)
<b>Quality evaluation of <i>Desmodium styracifolium</i> by fingerprint, pattern recognition combined with quantitative analysis of multi-components by single marker</b>	
CHEN Liang-yuan, CHENG Xuan-xuan, TANG Xiao-min, YANG Quan .....	(3322)
<b>Comparison on proteins of Saigae Tataricae Cornu and Caprae Hircus Cornu</b>	
LIU Rui, ZHU Zhen-hua, WU Jia, QIAN Da-wei, DUAN Jin-ao .....	(3329)
<b>Effect of rosmarinic acid from <i>Sarcandra glabra</i> in inhibiting proliferation and migration and inducing apoptosis of MDA-MB-231 cells via regulation of expressions of Bcl-2 and Bax</b>	
LI Hong, ZHUANG Hai-lin, LIN Jun-jin, ZHANG Yue-fen, HUANG Hui, LUO Ting, YU Wen-tao, NI Feng .....	(3335)
<b>Effects of sleep deprivation induced blood stasis syndrome on platelet activation in rats</b>	
SHI Ya-hong, REN Jian-xun, LIU Jian-xun, HUANG Ting-ting, HAO Ting-ting, WANG Min, LI Jun-mei, LIN Cheng-ren, REN Jun-guo .....	(3341)
<b>Effects of GBE50 on LPS/ATP induced NLRP3 inflammasome activation in primary rat microglia</b>	
LIU Fu-qun, GAO Qi, WANG Dan-dan, ZHANG Zhi-xiong .....	(3346)
<b>Network pharmacology of flavonoids in <i>Sophora alopecuroides</i></b>	
XIAO Dong, ZHUANG Gai-gai, LI Yuan-jie, LIU Quan-xia, GAO Xiao-juan, YONG Jing-jiao, ZHANG Xia, ZHAO Jian-jun, WANG Han-qing .....	(3353)
<b>Molecular mechanism of Shaofu Zhuyu decoction in treating endometriosis dysmenorrhea based on GPER2/MAPK/STAT1 axis</b>	
CUI Yu-hong, WU Jing, CAI Wei, DU Juan, CAO Jun-min, JI Xiu-jia, GONG Zi-han .....	(3362)
<b>Analysis on medication regularity and action mechanism of Tibetan medicine in treatment of spleen and stomach diseases based on data mining and integrated pharmacology</b>	
GONGBAO Dong-zhi, LUO Qing-fang, YU Yang-yang, WENCHENG Dang-zhi, ZENG Shang-yu, GANGHUA Chen-lei, ZHANG Yi .....	(3368)
<b>Analysis on medication rules for treatment of dementia by ancient physicians based on data mining methods</b>	
YI Ya-qiao, FANG Rui, GE Jin-wen, CHENG Shao-wu, WANG Guo-zuo, LIU Lin .....	(3376)
<b>Treatment of ankylosing spondylitis with Zhengqing Fengtongning release tablets: Meta-analysis of randomized controlled trials</b>	
WANG Yuan, LIU Chun-xiang, ZHANG Jun-hua, QIN Yi-shan, WANG Hui, LIU Yuan .....	(3382)
<b>Clinical characteristics of Yinhua Miyanling Pian users based on real world study</b>	
SUN Jin, XIE Yan-ming, LIU Huan, ZHANG Yin, ZHANG Yong-sheng, ZHUANG Yan .....	(3391)
<b>Effect of dihydroartemisinin at low concentration on intervention of <i>Plasmodium falciparum</i> 3D7 strain</b>	
GUO Yuan, LI Kai, JIANG Xiao-hui, YANG Ting, ZHENG Zhong-yuan, CHEN Li-na, LI Yu-jie, ZHENG Xiao-jun .....	(3397)
<b>Varieties textual research on "Bangjian": traditional Tibetan medicine including blue, black and variegated flowers</b>	
FU Lin, GU Rui, MA Yu-ying, ZEWENG Yong-zhong, JIANGYONG Si-lang, ZHANG Jing-bo .....	(3404)
<b>Status analysis and strategic thinking on Mongolian medicine standardization</b>	
ZHU Xiang-hui, YI Le-tai, LI Min-hui .....	(3412)

2018/16

中  
国  
中  
药  
杂  
志

CINA JOURNAL OF CHINESE MATERIA MEDICA

**主 编** 张伯礼  
**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) 64087589  
**网 址** <http://www.cjcm.com.cn>  
**邮 箱** cjcmm2006@188.com  
**图 文 制 作** 同方知网(北京)技术有限公司  
**封 面 设 计** 北京午未创意文化传媒有限公司  
**印 刷** 山西同方知网印刷有限公司  
**国 内 外 发 行** 同方知网(北京)技术有限公司  
**订 阅** 同方知网(北京)技术有限公司  
**出 版 日 期** 2018年8月15日  
**标 准 刊 号** ISSN 1001-5302 CN 11-2272/R  
**国 内 定 价** 每期50元，全年1200元

**Editor-in-Chief**

ZHANG Bo-li

**Responsible Institution**

China Association for Science and Technology

**Sponsored by**

Chinese Pharmaceutical Association

Address: 16 Nanxiaojie, Inner Dongzhimen Beijing 100700, China

Tel: (010) 64087589

E-mail: cjcmm2006@188.com

<http://www.cjcm.com.cn>

**Graphics produced by**

Tongfang Kownledge Network Technology Co., Ltd (Beijing)

**Printed by**

Shanxi Tongfang Knowledge Network Printing Co., Ltd.

**Overseas Distributor**

Tongfang Knowledge Network Technology Co., Ltd. (Beijing)

**Publication Date**

August 15, 2018

ISSN 1001-5302 CN 11-2272/R

ISSN 1001-5302



9 771001530186

国内定价：50.00元