



Q K 1 9 0 5 2 2 4

特别关注：

## 基于药性组合探讨中药性效关系专题

药性组合是指由2个或以上药性要素的集合，是药性表达功效的基本单元。该专题提出“药性组合-靶标-生物网络模块-功效”的研究模式，基于活血化瘀功效对应的药性组合，探讨药性与功效的内在联系，发现“辛”能舒张血管而活血；“苦”能抗肿瘤而逐瘀；“寒”能抗炎而凉血；“温”能抑制血小板聚集而通经。结果表明单个药性各具特点，通过组合而发挥活血化瘀功效。

中  
国  
中  
药  
杂  
志

China Journal of  
Chinese Materia Medica

第44卷 第2期  
Vol. 44 No. 2

2019/2



中国中文核心期刊  
中国科技核心期刊  
CSCD来源期刊



关注杂志官方微信

中国药学会  
CHINESE PHARMACEUTICAL ASSOCIATION

万方数据



## 目 次

### · 基于药性组合探讨中药性效关系专题 ·

基于药性组合的活血化瘀中药性效关系研究

吴东雪, 霍梦琪, 候宁, 李晶, 刘敏, 张燕玲, 乔延江 ..... (205)

基于活血化瘀功效的温苦肝、寒苦肝性效关系研究

李晶, 吴东雪, 候宁, 刘敏, 张燕玲, 乔延江 ..... (212)

基于药性组合的活血化瘀中药的辛苦味性效关系研究

刘敏, 吴东雪, 李晶, 候宁, 张燕玲, 乔延江 ..... (218)

基于药性组合的丹参和红花的性效关系研究

候宁, 吴东雪, 刘敏, 李晶, 张燕玲, 乔延江 ..... (224)

基于药性组合的姜黄、郁金、莪术的性效关系研究

吴东雪, 候宁, 李晶, 刘敏, 张燕玲, 乔延江 ..... (229)

### · 综述 ·

纤维化对动脉粥样硬化斑块稳定性的基础研究及相关药物应用

尹婕, 李琦, 赵正, 杨庆, 李玉洁, 陈颖, 王娅杰, 翁小刚, 蔡维艳, 朱晓新 ..... (235)

中药饮片标准汤剂研究进展与讨论

邓哲, 荆文光, 王淑慧, 焦梦姣, 张权, 周海燕, 章军, 刘安 ..... (242)

竹节参中的三萜皂苷类成分及其<sup>13</sup>C-NMR 谱特征

何毓敏, 艾可, 何春喜, 张长城, 袁丁, 蔡三金 ..... (249)

DNA 宏条形码(metabarcoding)技术在中成药鉴定中的研究进展

高玉珍, 韦瑾, 刘振稳, 周静 ..... (261)

### · 中药资源普查 ·

贵州 33 个中药资源普查试点县(区)药用资源多样性分析

侯小琪, 江维克, 宋培浪, 魏升华, 孙庆文, 胡成刚, 周涛, 周茜, 王明川, 肖承鸿 ..... (265)

### · 资源与鉴定 ·

多花黄精多糖与浸出物的时空变异规律

苏文田, 谢建秋, 潘心禾, 刘京晶, 斯金平 ..... (270)

人参黑斑病菌生防内生真菌的分离筛选、鉴定及抑菌特性

周春元, 朴向民, 闫梅霞, 王英平 ..... (274)

### · 分子生药学 ·

红花 bHLH 转录因子基因的克隆、表达分析及植物表达载体构建

姚娜, 刘建雨, 田媛媛, 董园园, 刘秀明, 李海燕 ..... (278)

基于 DNA 条形码技术对 23 种未知黎药进行物种鉴定

崔馨云, 孙伟, 熊超, 孟祥宵, 师玉华, 邬兰, 程丽丽, 李伟杰, 郑希龙 ..... (283)

铁皮石斛 *DcCDPK8* 基因启动子克隆及功能分析

汪园, 高燕会, 朱玉球, 斯金平 ..... (293)

**·制剂与炮制·**

UPLC-Q-TOF-MS/MS 分析复方南星止痛膏化学成分

李郭帅, 马阳, 耿婷, 高霞, 黄文哲, 曹亮, 肖伟, 王振中 ..... (298)

3种辛味中药挥发油对苦参生物碱类成分透皮吸收的影响

王玲, 张婷, 钱大玮, 朱振华, 王春雪, 翁泽斌, 张黄琴, 郭盛, 宿树兰, 段金廒 ..... (308)

**·化学·**

鱼腥草氯仿部位的化学成分研究

杨小露, 杨宇萍, 葛跃伟, 孟江 ..... (314)

鄂西香茶菜化学成分研究

张玲霞, 刘雅琳, 吴鸿, 陈随清, 代丽萍 ..... (319)

基于纳升高效液相色谱-四极杆-线性离子阱-静电场轨道阱高分辨质谱技术研究广地龙中的蛋白质

董洪霜, 张静娴, 胡青, 王艳春, 孙健, 张魁, 于泓, 冯睿, 毛秀红, 季申 ..... (324)

北柴胡、竹叶柴胡、藏柴胡与小叶黑柴胡化学成分比较研究

杨印军, 郑伟, 郭佳琪, 方伟, 马百平, 郭宝林, 彭云霞, 张东佳 ..... (332)

丹参波长叠加指纹图谱及多指标成分测定研究

王涛, 张慧, 赵丹, 陈杰, 谢卓霖, 戴维, 叶坤浩, 黄晶, 陈岗福 ..... (338)

**·药理·**

从 NLRP3 炎症小体途径探讨竹节参总皂苷改善自然衰老大鼠认知功能衰退的作用机制

阮波, 王瑞, 杨远坚, 王东帆, 王佳文, 张长城, 袁丁, 周志勇, 王婷 ..... (344)

基于 pH 信号通路的白头翁汤正丁醇提取物对白念珠菌生物膜作用机制的研究

汪云霞, 马克龙, 王艳, 吴大强, 邵菁, 汪天明, 汪长中 ..... (350)

丹酚酸 B-TAT 脂质体对 HSF 细胞增殖、侵袭和细胞周期的影响

时军, 吴艳婷, 郭思旖, 陈桂添, 赖建辉, 许小琪 ..... (357)

**·药代动力学·**

UHPLC-MS/MS 联用微透析法研究牛膝引梔子苷关节靶向在佐剂性关节炎大鼠体内药动学的影响

占翔, 王文字, 傅俊, 邓然, 李锋, 戴学静, 王言, 吴虹 ..... (364)

**·临床·**

苦碟子注射液治疗急性脑梗死的有效性和安全性研究:随机对照试验的系统评价和 Meta 分析

于丹丹, 谢雁鸣, 张允岭, 廖星, 支英杰, 赵晖 ..... (372)

姜泉治疗类风湿关节炎组方用药规律研究

肖红, 姜泉, 唐晓频, 焦娟, 葛琳 ..... (381)

木防己汤方证特征及其治疗重症心衰研究

熊兴江 ..... (388)

**·本草考证·**

葛根的鲜用、生用、熟用考证

朱卫丰, 杨金凤, 邹斌, 管咏梅, 李丛 ..... (401)

《肘后备急方》葱白品种探析

黄举凯, 张力, 杨晓晖 ..... (405)

**·信息·**

《中国药典中药材及饮片彩色图鉴》书评 ..... (313)

本期责任编辑:张燕



## CONTENTS IN BRIEF

- Nature-effect relationship research of traditional Chinese medicine for promoting blood circulation and removing blood stasis based on nature combination**  
WU Dong-xue, HUO Meng-qi, HOU Ning, LI Jing, LIU Min, ZHANG Yan-ling, QIAO Yan-jiang ..... (205)
- Nature-effect relationship research of cold and warm medicinal properties of traditional Chinese medicine for promoting blood circulation and removing blood stasis based on nature combination**  
LI Jing, WU Dong-xue, HOU Ning, LIU Min, ZHANG Yan-ling, QIAO Yan-jiang ..... (212)
- Nature-effect relationship research between pungent and bitter taste of traditional Chinese medicine for promoting blood circulation and removing blood stasis based on nature combination**  
LIU Min, WU Dong-xue, LI Jing, HOU Ning, ZHANG Yan-ling, QIAO Yan-jiang ..... (218)
- Nature-effect relationship research of *Salviae Miltiorrhizae Radix et Rhizoma* and *Carthami Flos* based on nature combination**  
HOU Ning, WU Dong-xue, LIU Min, LI Jing, ZHANG Yan-ling, QIAO Yan-jiang ..... (224)
- Nature-effect relationship research of *Curcumae Longae Rhizoma*, *Curcumae Radix*, and *Curcumae Rhizoma* based on nature combination**  
WU Dong-xue, HOU Ning, LI Jing, LIU Min, ZHANG Yan-ling, QIAO Yan-jiang ..... (229)
- Basic research of fibrosis on atherosclerotic plaque stability and related drug application**  
YIN Jie, LI Qi, ZHAO Zheng, YANG Qing, LI Yu-jie, CHEN Ying, WANG Ya-jie, WENG Xiao-gang, CAI Wei-yan, ZHU Xiao-xin ..... (235)
- Discussion and research progress in standard decoction of medicinal slices**  
DENG Zhe, JING Wen-guang, WANG Shu-hui, JIAO Meng-jiao, ZHANG Quan, ZHOU Hai-yan, ZHANG Jun, LIU An ..... (242)
- Triterpene saponins in *Panax japonicus* and their <sup>13</sup>C-NMR spectroscopic characteristics**  
HE Yu-min, AI Ke, HE Chun-xi, ZHANG Chang-cheng, YUAN Ding, CAI San-jin ..... (249)
- Application of DNA metabarcoding technology in identification of Chinese patent medicines**  
GAO Yu-zhen, WEI Jin, LIU Zhen-wen, ZHOU Jing ..... (261)
- Analysis of medicinal resources diversity of 33 pilots (districts) in Guizhou province**  
HOU Xiao-qi, JIANG Wei-ke, SONG Pei-lang, WEI Sheng-hua, SUN Qing-wen, HU Cheng-gang, ZHOU Tao, ZHOU Qian, WANG Ming-chuan, XIAO Cheng-hong ..... (265)
- Temporal and spatial variation of polysaccharides and alcohol-soluble extractives of *Polygonatum cyrtonema***  
SU Wen-tian, XIE Jian-qiu, PAN Xin-he, LIU Jing-jing, SI Jin-ping ..... (270)
- Isolation, screening and identification of endophytic fungi and detection of its antifungal effects against *Alternaria panax***  
ZHOU Chun-yuan, PIAO Xiang-min, YAN Mei-xia, WANG Ying-ping ..... (274)
- Cloning and expression analysis of CtbHLH transcription factor gene from *Carthamus tinctorius* and construction of plant expression vector**  
YAO Na, LIU Jian-yu, TIAN Yuan-yuan, DONG Yuan-yuan, LIU Xiu-ming, LI Hai-yan ..... (278)
- Identification of 23 unknown Li minority medicinal plants based on DNA barcoding**  
CUI Xin-yun, SUN Wei, XIONG Chao, MENG Xiang-xiao, SHI Yu-hua, WU Lan, CHENG Li-li, LI Wei-jie, ZHENG Xi-long ..... (283)

<b>Cloning and function analysis of promoter of <i>DcCDPK8</i> from <i>Dendrobium catenatum</i></b>	
WANG Yuan, GAO Yan-hui, ZHU Yu-qiu, SI Jin-ping .....	(293)
<b>Rapid identification of chemical components in compound Nanxing acesodyne plaster by UPLC-Q-TOF-MS/MS</b>	
LI Guo-shuai, MA Yang, GENG Ting, GAO Xia, HUANG Wen-zhe, CAO Liang, XIAO Wei, WANG Zhen-zhong .....	(298)
<b>Effects of pungent essential oil from three Chinese herbs on percutaneous absorption of alkaloids from <i>Sophorae Flavescentis Radix</i></b>	
WANG Ling, ZHANG Ting, QIAN Da-wei, ZHU Zhen-hua, WANG Chun-xue, WENG Ze-bin, ZHANG Huang-qin, GUO Sheng, SU Shu-lan, DUAN Jin-ao .....	(308)
<b>Chemical constituents in chloroform fraction of <i>Houttuynia cordata</i></b>	
YANG Xiao-lu, YANG Yu-ping, GE Yue-wei, MENG Jiang .....	(314)
<b>Studies on chemical constituents of <i>Isodon henryi</i></b>	
ZHANG Ling-xia, LIU Ya-lin, WU Hong, CHEN Sui-qing, DAI Li-ping .....	(319)
<b>Study on proteins in Guangdilong by nanoLC/orbitrap fusion lumos HR-MS</b>	
DONG Hong-shuang, ZHANG Jing-xian, HU Qing, WANG Yan-chun, SUN Jian, ZHANG Su, YU Hong, FENG Rui, MAO Xiu-hong, JI Shen .....	(324)
<b>Comparative analysis on chemical constituents in <i>Bupleurum chinense</i>, <i>B. marginatum</i>, <i>B. marginatum</i> var. <i>stenophyllum</i> and <i>B. smithii</i> var. <i>parvifolium</i></b>	
YANG Yin-jun, ZHENG Wei, GUO Jia-qi, FANG Wei, MA Bai-ping, GUO Bao-lin, PENG Yun-xia, ZHANG Dong-jia .....	(332)
<b>Study on wavelength overlapping HPLC fingerprint and multi-component content determination of Danshen</b>	
WANG Tao, ZHANG Hui, ZHAO Dan, CHEN Jie, XIE Zhuo-lin, DAI Wei, YE Kun-hao, HUANG Jing, CHEN Gang-fu .....	(338)
<b>Improved effects of saponins from <i>Panax japonicus</i> on decline of cognitive function in natural aging rats via NLRP3 inflamma-some pathway</b>	
RUAN Bo, WANG Rui, YANG Yuan-jian, WANG Dong-fan, WANG Jia-wen, ZHANG Chang-cheng, YUAN Ding, ZHOU Zhi-yong, WANG Ting .....	(344)
<b>Mechanism of butyl alcohol extract of Baitouweng Decoction (BAEB) on <i>Candida albicans</i> biofilms based on pH signal pathway</b>	
WANG Yun-xia, MA Ke-long, WANG Yan, WU Da-qiang, SHAO Jing, WANG Tian-ming, WANG Chang-zhong .....	(350)
<b>Effect of cell penetrating peptide TAT-modified liposomes loaded with salvianolic acid B on proliferation, migration and cell cycle of human skin fibroblasts</b>	
SHI Jun, WU Yan-ting, GUO Si-yi, CHEN Gui-tian, LAI Jian-hui, XU Xiao-qi .....	(357)
<b>Pharmacokinetics of <i>Achyranthes bidentata</i> on adjuvant arthritis rats by microdialysis and UHPLC-MS/MS</b>	
ZHAN Xiang, WANG Wen-yu, FU Jun, DENG Ran, LI Feng, DAI Xue-jing, WANG Yan, WU Hong .....	(364)
<b>Systematic review and Meta-analysis on randomized controlled trials on effectiveness and safety of Kudiezi Injection in treatment of acute cerebral infarction</b>	
YU Dan-dan, XIE Yan-ming, ZHANG Yun-ling, LIAO Xing, ZHI Ying-jie, ZHAO Hui .....	(372)
<b>Regularity of prescription and medication of Jiang Quan in treating rheumatoid arthritis</b>	
XIAO Hong, JIANG Quan, TANG Xiao-po, JIAO Juan, GE Lin .....	(381)
<b>Mufangji Decoction formula tracing and its effect on emergency and severe cases</b>	
XIONG Xing-jiang .....	(388)
<b>Decipherment of ancient literature about fresh use, crude use and processed use of <i>Puerariae Lobatae Radix</i></b>	
ZHU Wei-feng, YANG Jin-feng, ZOU Bin, GUAN Yong-mei, LI Cong .....	(401)
<b>Species of Fistular Onion Stalk in <i>Zhouhou Beiji Fang</i></b>	
HUANG Ju-kai, ZHANG Li, YANG Xiao-hui .....	(405)

**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** [cjcm2006@188.com](mailto:cjcm2006@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** 2019年1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: [cjcm2006@188.com](mailto:cjcm2006@188.com)

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

**Graphics produced by**

Tongfang Knowledge 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**

January 15, 2019

ISSN 1001-5302 CN 11-2272/R

ISSN 1001-5302



9 771001 530193

国内定价：50.00元