

道地药材为中医药事业发展的重要组成，其高质量发展对产业链联动、信息共享等提出了高要求。该文基于区块链方法原理，探索应用信息化技术将生产与使用过程融合的信息共享模式，可强化道地药材的社会监督，保障放心消费，服务产业高质量发展。建立道地药材认证制度和激励机制、信息化标准规范、配套硬件系统、软件服务平台，共享应用生产数据、现代技术方法等，为认证系统建设、区块链存据享信的核心。

China Journal of Chinese Materia Medica  
ZHONGGUO ZHONGYAO ZAZHI

2020年6月 第45卷 第12期

2020/12

# 中国中药杂志



分级目录T1级期刊  
中国中文核心期刊  
中国科技核心期刊  
CSCD来源期刊



中国药学会  
CHINESE PHARMACEUTICAL ASSOCIATION



## 目 次

### · 经方临床运用专题 ·

- 古代“中风”内涵及《千金要方》小续命汤治疗脑梗死、脑出血体会  
熊兴江 ..... (2725)  
《千金要方》小续命汤治疗面神经炎、四肢无力、颈椎病、急性脊髓炎、急性神经根炎、格林巴利综合征、多发性硬化、重症肌无力、运动神经元病、皮肌炎体会  
熊兴江 ..... (2735)  
初发高血压病、青年高血压病的中医认识及天麻钩藤饮的临床治疗体会  
孟醒, 熊兴江 ..... (2752)  
葛根芩连汤方证及其在糖尿病、高血压病、高脂血症、肥胖中的运用  
熊兴江 ..... (2760)

### · 中药质量标志物研究专题 ·

- 酸枣仁汤化学成分、药理作用、临床应用的研究进展及质量标志物的预测分析  
王玉, 杨雪, 夏鹏飞, 马肖, 杨蕊菁, 王玉霞, 樊秦, 赵磊 ..... (2765)  
香加皮的化学成分与药理作用研究进展及质量标志物的预测分析  
杨雪, 李梦雨, 颜昌钖, 肖治均, 蒋维奇, 王小雨, 崔曦兮, 李文鲜, 姚柯男, 刘传鑫 ..... (2772)  
交泰丸的化学成分、药理作用、临床应用的研究进展及质量标志物的预测分析  
孙雨, 杨钰涵, 王珺, 蒋海强, 崔宁, 苏本正, 于宗渊 ..... (2784)  
肉桂质量研究进展  
杨亚玲, 罗碧, 张红, 郑文君, 吴妙梨, 李绍颖, 高弘扬, 黎清, 葛跃伟, 杨全 ..... (2792)

### · 综述 ·

- 辣木传统应用的文献考证  
沙子珺, 刘英华, 杨滨, 李志勇, 甄艳, 杨洪军, 黄璐琦 ..... (2800)  
黄芩对肝病的防治作用及机制研究进展  
白庆云, 陶思敏, 田锦鸿, 曹春蓉 ..... (2808)  
花姜酮抗肿瘤作用机制研究进展  
杨红, 豆荣梅, 姚婷, 桂道鹏, 姜雪雯, 李俊俊, 戈福星, 高小力, 柴兴云 ..... (2817)  
黄酮化合物通过巨噬细胞介导的抗动脉粥样硬化作用及机制研究进展  
李鸿, 白鹭, 草琴, 冯柏林, 张良, 韦飞燕, 杨秀芬 ..... (2827)

### · 资源与鉴定 ·

- 中药材红花潜叶蝇发生规律及综合防治技术研究  
许兰杰, 梁慧珍, 聂战胜 ..... (2835)  
枸杞瘿螨致瘿后宁夏枸杞叶片代谢组学分析  
杨孟可, 刘赛, 李建领, 郭昆, 乔海莉, 徐荣, 徐常青, 陈君 ..... (2842)

### · 分子生药学 ·

- 多花黄精甾体皂苷生物合成途径分析及关键酶基因研究  
单春苗, 王晨凯, 施圆圆, 张声祥, 赵历强, 吴家文 ..... (2847)

**·制剂与炮制·**

**秦七风湿方组分中药制剂前的理化性质研究**

刘红波,徐思宁,唐志书,孙静,宋忠兴,崔春利,周瑞,蔡兴航,于金高 ..... (2858)

**实时细胞分析技术结合模式识别评价祖师麻注射液类过敏反应**

孙岩,吴晨光,韩群,黄胜阳 ..... (2865)

**基于质谱和多元统计分析探讨升炼前后龟龄集化学组成的差异**

史静超,高晓霞,张爱荣,张斌,秦雪梅,杜冠华 ..... (2872)

**基于分子对接技术虚拟筛选红花中抗心肌缺血活性组分**

李志立,杨冰,翟艳敏,封亮,贾晓斌 ..... (2881)

**基于构效差异的防治心肌缺血的三七皂苷亚组分表征分析技术**

林传燕,杨冰,熊志伟,李畅,封亮,贾晓斌 ..... (2891)

**·化学·**

**赤芍中的1个新木脂素苷类化合物**

钟万超,李瑞,夏欢,夏桂阳,张景芳,田贵华,林生 ..... (2903)

**苍耳子的化学成分研究**

夏召,张海新,许天启,陈宜敏,周光雄 ..... (2907)

**·药理·**

**补骨脂素通过延缓肝再生加重四氯化碳所致肝毒性的机制研究**

梁佩诗,周旺,江振洲,张陆勇 ..... (2916)

**四君子汤调控 A<sub>B</sub> 跨血脑屏障转运相关蛋白的作用研究**

郭园园,郑琴,吴玲,张明霞,张科楠,肖帅,李文静,杨明 ..... (2924)

**基于网络药理学探析滋阴方二至丸抗衰老分子机制研究**

单思,王祺,王雯蕾,吴欣宇,严小军,刘红宁 ..... (2932)

**人参三七川芎提取物对高糖高脂诱导血管衰老小鼠肠道菌群的影响**

王佳丽,修成奎,杨静,王雪,胡艳红,方靖漪,雷燕 ..... (2938)

**四物汤治疗原发性痛经的方剂配伍内涵及作用机制研究**

李杰,江华娟,何瑶,石金凤,陈意,罗尧尧,傅超美 ..... (2947)

**基于肝微组织考察何首乌主要单体潜在肝毒性**

汪祺,张茜蕙,文海若,郭浩翔,张乐帅,马双成 ..... (2954)

**丹酚酸B调控 NIX 介导的线粒体自噬保护 H9c2 心肌细胞缺氧/复氧损伤**

辛高杰,付建华,韩笑,李磊,郭浩,孟红旭,赵雨薇,贾飞凡,刘建勋 ..... (2960)

**·临床·**

**脂必泰胶囊联合他汀调节冠心病患者血脂水平的 Meta 分析**

黎美观,李颖,陈铭泰,林海丹,巫燕慧,张忠 ..... (2966)

**·青蒿素研究·**

**双氢青蒿素与头孢呋辛对大肠杆菌的协同抗菌作用及机制研究**

黄梅,罗俊,沈建英 ..... (2975)

**·学术探讨·**

**基于区块链的道地药材高质量发展和认证系统建设探讨**

张小波,王慧,郭兰萍,何小龙,杨光,李梦,何雅莉,詹志来,黄璐琦 ..... (2982)

**·信息·**

**投稿须知** ..... (2992)

本期责任编辑:马超一



## CONTENTS IN BRIEF

<b>Conotation of ancient "stroke" and <i>Qianyin Yaofang</i> Xiaoxuming Decoction treating cerebral infarction and cerebral hemorrhage</b>	
XIONG Xing-jiang .....	(2725)
<b>Experience of treating facial neuritis, unexplained limb weakness, cervical spondylosis, acute myelitis, acute radiculitis, Guillain Barre syndrome, multiple sclerosis, myasthenia gravis, motor neuron disease, dermatomyositis with Xiaoxuming Decoction</b>	
XIONG Xing-jiang .....	(2735)
<b>Traditional Chinese medicine insights of newly-diagnosed and young hypertension and clinical practice of Tianma Gouteng Decoction for hypertension treatment</b>	
MENG Xing, XIONG Xing-jiang .....	(2752)
<b>Gegen Qinlian Decoction formula syndrome and its application in diabetes, hypertension, hyperlipidemia and obesity</b>	
XIONG Xing-jiang .....	(2760)
<b>Review of chemical constituents, pharmacological effects and clinical applications of Suanzaoren Decoction and prediction and analysis of its Q-markers</b>	
WANG Yu, YANG Xue, XIA Peng-fei, MA Xiao, YANG Rui-jing, WANG Yu-xia, FAN Qin, ZHAO Lei .....	(2765)
<b>Research progress on chemical composition and pharmacological effects of Periplocae Cortex and predictive analysis on Q-marker</b>	
YANG Xue, LI Meng-yu, YAN Chang-yang, XIAO Zhi-jun, JIANG Wei-qi, WANG Xiao-yu, CUI Xi-xi, LI Wen-xian, YAO Ke-nan, LIU Chuan-xin .....	(2772)
<b>Review of chemical constituents, pharmacological effects and clinical applications of Jiaotai Pills and predictive analysis of its quality marker (Q-marker)</b>	
SUN Yu, YANG Yu-han, WANG Jun, JIANG Hai-qiang, CUI Ning, SU Ben-zheng, YU Zong-yuan .....	(2784)
<b>Advances in quality research of <i>Cinnamomum cassia</i></b>	
YANG Ya-ling, LUO Bi, ZHANG Hong, ZHENG Wen-jun, WU Miao-li, LI Shao-ying, GAO Hong-yang, LI Qing, GE Yue-wei, YANG Quan .....	(2792)
<b>Textual research on traditional application of <i>Moringa</i></b>	
SHI Zi-jun, LIU Ying-hua, YANG Bin, LI Zhi-yong, ZHEN Yan, YANG Hong-jun, HUANG Lu-qi .....	(2800)
<b>Progress of research on effect and mechanism of <i>Scutellariae Radix</i> on preventing liver diseases</b>	
BAI Qing-yun, TAO Si-min, TIAN Jin-hong, CAO Chun-rong .....	(2808)
<b>Advances on anti-tumor mechanisms of zerumbone</b>	
YANG Hong, DOU Rong-mei, YAO Ting, GUI Dao-peng, JIANG Xue-wen, LI Jun-jun, GE Fu-xing, GAO Xiao-li, CHAI Xing-yun .....	(2817)
<b>Research progress on anti-atherosclerosis effect and mechanism of flavonoids compounds mediated by macrophages</b>	
LI Hong, BAI Lu, QIN Qin, FENG Bo-lin, ZHANG Liang, WEI Fei-yan, YANG Xiu-fen .....	(2827)
<b>Occurrence regularity and integrated control of leaf miner in safflower</b>	
XU Lan-jie, LIANG Hui-zhen, NIE Zhan-sheng .....	(2835)

<b>Metabolomics analysis of <i>Lycium barbarum</i> leaves after <i>Aceria pallida</i> infestation</b>	YANG Meng-ke, LIU Sai, LI Jian-ling, GUO Kun, QIAO Hai-li, XU Rong, XU Chang-qing, CHEN Jun .....	(2842)
<b>Identification of key enzyme genes involved in biosynthesis of steroid saponins and analysis of biosynthesis pathway in <i>Polygonatum cyrtoneura</i></b>	SHAN Chun-miao, WANG Chen-kai, SHI Yuan-yuan, ZHANG Sheng-xiang, ZHAO Li-qiang, WU Jia-wen .....	(2847)
<b>Pre-formulation physicochemical properties of component-based Chinese medicine of Qinqi Fengshi Fang</b>	LIU Hong-bo, XU Si-ning, TANG Zhi-shu, SUN Jing, SONG Zhong-xing, CUI Chun-li, ZHOU Rui, CAI Xing-hang, YU Jin-gao .....	(2858)
<b>Real-time cell analysis combined with pattern recognition to evaluate anaphylaxis of Zushima Injection</b>	SUN Yan, WU Chen-guang, HAN Qun, HUANG Sheng-yang .....	(2865)
<b>Study on difference of chemical compositions of Guilingji before and after alchemy based on mass spectrometry and multivariate statistical analysis</b>	SHI Jing-chao, GAO Xiao-xia, ZHANG Ai-rong, ZHANG Bin, QIN Xue-me, DU Guan-hua .....	(2872)
<b>Virtual screening of components of safflower against myocardial ischemia based on molecular docking technology</b>	LI Zhi-li, YANG Bing, ZHAI Yan-min, FENG Liang, JIA Xiao-bin .....	(2881)
<b>Characterization analysis technique of <i>Panax notoginseng</i> saponin subcomponents for prevention and treatment of myocardial ischemia based on their structure and effect differences</b>	LIN Chuan-yan, YANG Bing, XIONG Zhi-wei, LI Chang, FENG Liang, JIA Xiao-bin .....	(2891)
<b>A new lignan glucoside from root of <i>Paeonia lactiflora</i></b>	ZHONG Wan-chao, LI Rui, XIA Huan, XIA Gui-yang, ZHANG Jing-fang, TIAN Gui-hua, LIN Sheng .....	(2903)
<b>Chemical constituents from Xanthii Fructus</b>	XIA Zhao, ZHANG Hai-xin, XU Tian-qi, CHEN Yi-min, ZHOU Guang-xiong .....	(2907)
<b>Mechanism of psoralen in aggravating hepatotoxicity induced by CCl<sub>4</sub> by delaying liver regeneration</b>	LIANG Pei-shi, ZHOU Wang, JIANG Zhen-zhou, ZHANG Lu-yong .....	(2916)
<b>Effect of Sijunzi Decoction on regulation of Aβ-related proteins across blood-brain barrier</b>	GUO Yuan-yuan, ZHENG Qin, WU Ling, ZHANG Ming-xia, ZHANG Ke-nan, XIAO Shuai, LI Wen-jing, YANG Ming ...	(2924)
<b>Molecular mechanism analysis of Erzhi Wan in treatment of aging based on network pharmacology</b>	SHAN Si, WANG Qi, WANG Wen-lei, WU Xin-yu, YAN Xiao-jun, LIU Hong-ning .....	(2932)
<b>Effect of Ginseng Radix et Rhizoma, Notoginseng Radix et Rhizoma and Chuanxiong Rhizoma extracts on intestinal flora of vascular aging mice induced by high glucose and high lipid</b>	WANG Jia-li, XIU Cheng-kui, YANG Jing, WANG Xue, HU Yan-hong, FANG Jing-yi, LEI Yan .....	(2938)
<b>Prescription compatibility connotation and action mechanism of Siwu Decoction in treating primary dysmenorrhea</b>	LI Jie, JIANG Hua-juan, HE Yao, SHI Jin-feng, CHEN Yi, LUO Yao-yao, FU Chao-mei .....	(2947)
<b>Study on potential hepatotoxicity of main monomers of <i>Polygonum multiflorum</i> based on liver micro-tissue</b>	WANG Qi, ZHANG Qian-hui, WEN Hai-ruo, GUO Hao-xiang, ZHANG Le-shuai, MA Shuang-cheng .....	(2954)
<b>Salvianolic acid B regulates mitochondrial autophagy mediated by NIX to protect H9c2 cardiomyocytes from hypoxia/reoxygenation injury</b>	XIN Gao-jie, FU Jian-hua, HAN Xiao, LI Lei, GUO Hao, MENG Hong-xu, ZHAO Yu-wei, JIA Fei-fan, LIU Jian-xun ...	(2960)
<b>Meta-analysis of Zhibitai Capsules combined with statin in reducing blood lipid levels in patients with coronary heart disease</b>	LI Mei-huan, LI Ying, CHEN Ming-tai, LIN Hai-dan, WU Yan-hui, ZHANG Zhong .....	(2966)
<b>Synergistic antibacterial effect and mechanisms of dihydroartemisinin and cefuroxime in combination</b>	HUANG Mei, LUO Jun, SHEN Jian-ying .....	(2975)
<b>Discussion on high quality development and authentication system construction of Dao-di herbs based on blockchain</b>	ZHANG Xiao-bo, WANG Hui, GUO Lan-ping, HE Xiao-long, YANG Guang, LI Meng, HE Ya-li, ZHAN Zhi-lai, HUANG Lu-qi .....	(2982)

ZHONGGUO ZHONGYAO ZAZHI

第45卷 第12期

Vol. 45 No. 12

2020/12

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  
印刷 山西同方知网印刷有限公司  
订阅发行 同方知网(北京)技术有限公司  
出版日期 2020年6月15日  
国际标准连续出版物号 ISSN 1001-5302  
国内统一连续出版物号 CN 11-2272/R  
国内定价 每期50元, 全年1200元

中  
国  
中  
药  
杂  
志

CHINA JOURNAL OF CHINESE MATERIA MEDICA

**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**

June 15, 2020

ISSN 1001-5302 CN 11-2272/R

ISSN 1001-5302



9 771001 530209

国内定价: 50.00元