

中国中文核心期刊 中国期刊方阵期刊 全国高校优秀学报 重庆市十佳科技期刊

ISSN 1000-5471

CN 50-1045/N

西南師範大學學報

JOURNAL OF SOUTHWEST CHINA NORMAL UNIVERSITY



自然科学版

NATURAL SCIENCE EDITION

XINAN SHIFAN DAXUE XUEBAO
ZIRANKEXUEBAN



第38卷第8期
Vol.38 No.8

2013

中国重庆 CHONGQING CHINA

(自然科学版)

2013 年 8 月 20 日出版

蒸汽爆破梗丝对卷烟主要化学指标及感官质量的影响研究 施丰成, 李东亮, 李 刚, 曾 建, 宋光富, 王 鹏 (084)

基于 M1S50 的木材追踪体系的设计 冯惠英, 郑丽凤, 邱荣祖, 林宇洪 (090)

限食对谷氨酸钠肥胖大鼠及人体肥胖代谢指标的影响 关真民, 王 慧, 程俊美, 鹿 勇 (096)

重庆道地黄连、青蒿的重金属含量研究 谢光武, 范 媛, 黎晓敏 (100)

牛蒡子木脂素类化合物的分离与制备 王 宁, 林海珠, 刘 红, 胥秀英, 郑一敏 (104)

响应面优化枸杞色素提取工艺及稳定性研究 王孝荣, 罗佳丽, 潘年龙, 王雪莹, 蒋和体 (108)

决明毛状根、实生根及决明子的化学成分比较研究 李素红, 章艳玲, 谭 燕, 米 瑶, 黄 靖, 南志奇, 李关荣 (114)

西南土石山区环保选线研究——以梁黔高速公路(梁平至忠县段)为例 薛华清, 李晓波 (119)

基于二次分水岭和近邻传播聚类的彩色图像分割算法研究与实现 施成湘 (125)

云计算环境下的一种基于 Hbase 的 ORM 设计实现 周相兵, 马洪江, 苗 放 (130)

基于主成分分析和球结构支持向量机的人耳识别方法 湛昌强, 彤 丽 (136)

基于颜色纹理直方图的 mean shift 目标跟踪算法 梁智学 (141)

基于 SA-BP 神经网络的软件缺陷预测模型的研究 尹 然, 丁晓明, 李小亮, 梅 莹 (147)

中美大学生快速时尚的绿色消费行为研究 王云仪, 冯若愚, 李 俊 (153)

• 教学研究与管理 •

应用型园林本科专业插花艺术课程教学改革探讨 夏晶晖 (160)

动物学野外实习课程建设及教学探讨 熊洪林, 陈 嶙, 吴卫东, 王 艳, 李玉红, 王志坚 (164)

广义积分中值定理 陈清明, 姜学源 (169)

**JOURNAL OF SOUTHWEST CHINA
NORMAL UNIVERSITY
(NATURAL SCIENCE EDITION)**

Vol. 38 No. 8

Total No. 197

Aug. 20, 2013

CONTENTS

On a New Proof for Cayley-Hamilton's Theorem	LIU Guo-xin, WANG Zheng-pan (001)
s -Quasinormally Embedded Subgroups and $\chi\Phi$ -Hypercentre of Finite Groups	LI Xian-chong, LI Xian-hua (003)
A New Lower Bound Estimate for Smarandache Function on Sequence $a^p + b^p$	SHI Peng, LIU Zhuo (010)
On a Method of Calculating the Szeged Index and Edge-szeged Index of Polyomino Chain	WANG Shou-zhong (015)
On Convergence of Wavelet Expansion in Weighted Sobolev Space	ZHAO Shu-gai, CAO Huai-xin (019)
On Operator Inequalities Involving $ A+B $ and $ A , B $	LIAN Tie-yan (022)
Two New Projection Algorithms for Solving Variational Inequalities	ZHENG Lian, GOU Qing-ming (025)
On a More Accurate Half-Discrete Hilbert's Inequality with Non-Homogeneous Kernel	YANG Bi-cheng, CHEN Qiang (029)
On Homology Groups of $G_{n,2}$ by Witten Complex	HE Gang, LI Ming, YANG Ying (035)
On Influence of Enhanced UV-B Radiation upon Certain Physiological Indexes and Total Flavoids Content in <i>Impatiens Balsamina</i> Seedlings	HE Hui-liu (041)
On Optimizing Land Use Structure Based on Ecological Green Equivalent in Yongchuan District, Chongqing	XIAO Qiang (046)
On Effect of Search Cost Type and Payoffs on Willingness to Search	YIN Hua-zhan, LI Dan, SU Qin, LI Bo (050)
A Comparative Study on Characteristics of Scoring of ATP Tennis Players on Different Types of Venues	LI Gui-lin, GUO Li-ya (056)
Empirical Study on Morphology of Wushu Athlete's Foot	YUAN Dong (061)
The explore of Excellent Taekwondo Athletes' Strength Training in China	PENG Zhao-fang, FAN Aa-hui (066)
On Role of Minority Woman Played in Inheritance of Traditional Athlete Culture	HU Jiu-ying (073)
On Return of Lawn Naturalization	ZHU Da-jin, ZHAO Jian-ping (078)
On Effect of Tobacco Stem Treated by Steam Explosion on Major Chemical Indicator and Organoleptic Tests Quality of Cigarette	SHI Feng-cheng, LI Dong-liang, LI Gang, ZENG Jian, SONG Guang-fu, WANG Peng (084)

On Design of Wood-Tracing-System Based on M1S50 Card FENG Hui-ying,
ZHENG Li-feng, QIU Rong-zu, LIN Yu-hong (090)

Effects of Food Restriction on Fat Metabolism Index of Monosodium Glutamate in Obese Rats and Human
..... GUAN Zhen-min, WANG Hui, CHENG Jun-mei, LU Yong (096)

On Content Determination of Heavy Metals in *Coptis Chinensis* Franch and *Artemisia Annual* of Chongqing
..... XIE Guang-wu, FAN Yuan, LI Xiao-min (100)

On Isolation and Preparation of Lignans from *Arctium Lappa* L. WANG Ning, LIN Hai-zhu,
LIU Hong, XU Xiu-ying, ZHENG Yi-min (104)

On Optimization of Extraction of Pigment Using Response Surface Method and Stability of Pigment in
Wolfberry Fruits WANG Xiao-rong, LUO Jia-li, PAN Nian-long, WANG Xue-ying, JIANG He-ti (108)

Comparative Analysis on the Components of the Hairy Root, Seedling Root and Seed of *Cassia Obtusifolia* L
..... LI Su-hong, ZHANG Yan-ling, TAN Yan, MI Yao, HUANG Jing, NAN Zhi-qi, LI Guan-rong (114)

On Environmental Protection Line Selection in Southwest Soil Stone Mountain Area
——Take Liangqian Highway (Liangping to Zhongxian) for an Example XUE Hua-qing, LI Xiao-bo (119)

Research and Implementation of Color Image Segmentation Based on Secondary Watershed and Affinity
Propagation Clustering SHI Cheng-xiang (125)

On Design and Practice of ORM Based on Hbase in Cloud Computing Environment
..... ZHOU Xiang-bing, MA Hong-jiang, MIAO Fang (130)

On an Ear Recognition Method Based on Principal Component Analysis and Sphere Support Vector Machine
..... SHEN Chang-qiang, RONG Li (136)

On Object Tracking Based on Mean Shift with Color-Texture Histogram LIANG Zhi-xue (141)

Research on Software Defect Prediction Model Based on SA-BP YIN Ran,
DING Xiao-ming, LI Xiao-liang, MEI Ying (147)

On Fast Fashion of Green Consumption among the College Students in America and China
..... WANG Yun-yi, FENG Ruo-yu, LI Jun (153)

On Teaching Reform of Floral Art Course of Garden Specialty XIA Jing-hui (160)

On Curricular Construct and Teaching of Fieldwork for Zoology XIONG Hong-lin, CHEN Lin,
WU Wei-dong, WANG Yan, Li Yu-hong, WANG Zhi-jian (164)

On Mean Value Theorem for Improper Integral CHEN Qing-ming, JIANG Xue-yuan (169)