

中文核心期刊
中国科学引文数据库来源期刊
中国科技核心期刊

ISSN 1008-0864
CN 11-3900/S
CODEN ZNKDAJ

中国农业科技导报

Journal of
Agricultural Science
and Technology

2016年 第十八卷 Vol.18 第 **1** 期 No.1

科学技术部主管 中国农村技术开发中心主办

目 次

农业创新论坛

我国燕麦高效育种技术体系创建与应用

..... 任长忠,崔 林,杨 才,田长叶,付晓峰,刘彦明,赵桂琴,郭来春(1)

环境友好型农业生态补偿实践进展 胡 博,杨 颖,王 芊,罗良国(7)

纳米材料与技术在农业上的应用研究进展

..... 孙长娇,崔海信,王 琰,曾章华,赵 翔,崔 博(18)

生物技术 生命科学

玉米分子标记辅助育种及标记开发研究进展 陈秀华,于丽娟,罗黎明,陈洪梅,刘 丽(26)

水稻基因 *OsAFC2* 参与 mRNA 可变剪切调控 梁 蒙,张 艳,徐妙云,张 兰,王 磊(32)

人肿瘤坏死因子相关凋亡诱导配体基因植物表达载体的构建及瞬时表达

..... 魏琦超,张 锐,孟志刚,孙国清,周 焘,赵雷霖,郭三堆(40)

铁浓度对水培芥蓝生长、品质及生理特性的影响 ... 苏 蔚,王 坚,宋世威,刘厚诚,陈日远(46)

药用植物作为隔离剂对家蚕饲养的影响

..... 邵榆岚,张一川,唐芬芬,钟 健,张永红,朱 峰,白兴荣(53)

免疫增强剂提高禽用二联苗免疫效力的研究 陆吉虎,吴培培,张雪花,侯继波,唐应华(58)

斜纹夜蛾核型多角体病毒 II 型 (SpltMNPV II) *ORF117* 基因的结构和功能研究

..... 刘兴健,江 峰,王石宝,李轶女,张志芳,胡小元(66)

Neosartorya fischeri P1 来源的外切聚半乳糖醛酸酶异源表达及性质研究

..... 杨文霞,李 可,潘 霞,苏小运,杨培龙(73)

数字农业 农机装备

食品安全追溯链构建研究 郑火国,刘世洪,胡海燕(81)

监测果树冠层微环境的主从式 WSN 系统研究 郭秀明,樊景超,周国民,丘 耘,胡 林(87)

资源环境 生物药物 生物质转化

作物推荐施肥方法研究进展 串丽敏,何 萍,赵同科(95)

小麦水分高效利用研究进展 冉文星,王冀川,王 璞(103)

喀斯特山区农田水利工程建设发展趋势——以贵州省为例

..... 宋具兰,罗海波,吴琳娜,潘伯娟,陈远云(112)

亳州烟区烤烟不同品种和产区间烟叶钾氯含量的差异分析

..... 姜超强,李德成,王火焰,张东启,沈 嘉,阎轶峰,桑传杰,祖朝龙(120)

湖南浓香型烟叶化学成分与物理性状相关性分析

..... 刘智炫,周清明,黎 娟,刘 卉,陈佳亮,陆 元(129)

追施不同种类钾肥对烤烟品质性状的影响

..... 郝浩浩,薛立新,许自成,吴彦辉,许 仪,金 磊,李健忠(136)

饲草青贮技术研究进展及其在石漠化地区应用的启示

..... 熊康宁,许留兴,申小云,张锦华,刘成名(144)

云南黄金走廊烟区土壤腐殖质组成特征及其与土壤理化性状的关系
..... 王杉杉,卢秀萍,许自成,李军营,逢涛(154)

海洋农业

我国裙带菜育苗和育种技术的回顾和展望 单体锋,李静,逢少军(164)
鸡油菌转化虾副产品产血管紧张素转换酶抑制剂的条件优化 高秀君,闫培生(171)

方法与技术创新

适配体传感器结合便携式血糖仪定量检测赭曲霉毒素A的方法研究
..... 张勇,郑楠,文芳,张养东,李发弟,王加启(182)

技术经济 信息经济 农业政策

高致病性禽流感对我国肉鸡产业的影响 黄泽颖,王济民(189)
甘肃省主要城市农业科技竞争力综合评价研究 金莹,陈秉谱,马燕玲(200)
基于逻辑回归的植物新品种权质量评估研究——以杂交水稻品种权为例
..... 任静,宋敏(209)

理事单位风采

农业部农业物联网系统集成重点实验室 (封二)

征订启事 中国食物与营养(208) 中国农业科技导报(封三上) 生物技术进展(封三下)

信息交流(217) 作者投稿指南(218)

《中国农业科技导报》官方微博、微信正式开通

《中国农业科技导报》官方微博于2013年9月5日正式开通,微信公众平台同期开通。本刊将利用微博和微信平台,提供更多农业前沿进展与发展态势资讯,发布期刊出版信息等,读者、作者及关心农业科技发展的公众可以通过微博、微信更加直观地了解相关信息并进行互动交流。请关注!

链接:新浪微博:<http://weibo.com/u/3769131480> 或搜索“中国农业科技导报”

公众微信号:“中国农业科技导报”或搜索“nykjdb”

微信二维码扫描:



CONTENTS

AGRICULTURAL INNOVATION FORUM

- Establishment and Application of High Efficient Breeding Technology System of Oat in China
..... REN Chang-zhong, CUI Lin, YANG Cai, TIAN Chang-ye, FU Xiao-feng,
LIU Yan-ming, ZHAO Gui-qin, GUO Lai-chun(1)
- Progress of Eco-compensation Practice for Environmental Friendly Agriculture
..... HU Bo, YANG Ying, WANG Qian, LUO Liang-guo(7)
- Studies on Applications of Nanomaterial and Nanotechnology in Agriculture
..... SUN Chang-jiao, CUI Hai-xin, WANG Yan, ZENG Zhang-hua, ZHAO Xiang, CUI Bo(18)

BIOTECHNOLOGY & LIFE SCIENCE

- Research Progress on Maize Molecular Marker-assisted Breeding and Marker Development
..... CHEN Xiu-hua, YU Li-juan, LUO Li-ming, CHEN Hong-mei, LIU Li(26)
- OsAFC2* Involved in the Regulation of mRNA Alternative Splicing in *Oryza sativa*
..... LIANG Meng, ZHANG Yan, XU Miao-yun, ZHANG Lan, WANG Lei(32)
- Construction of Plant Expression Vector of *shTRAIL* and its Transient Expression
..... WEI Qi-chao, ZHANG Rui, MENG Zhi-gang, SUN Guo-qing, ZHOU Tao, ZHAO Lei-lin, GUO San-dui(40)
- Effects of Different Iron Concentration on Growth, Quality and Physiological Characteristics of Hydroponic Chinese Kale
..... SU Wei, WANG Jian, SONG Shi-wei, LIU Hou-cheng, CHEN Ri-yuan(46)
- Effects of Medicinal Plants as Isolation Agent on Silkworm Breeding
..... SHAO Yu-lan, ZHANG Yi-chuan, TANG Fen-fen, ZHONG Jian,
ZHANG Yong-hong, ZHU Feng, BAI Xing-rong(53)
- Studies on Immunopotentiator Improving Bivalent Vaccine Efficacy in Poultry
..... LU Ji-hu, WU Pei-pei, ZHANG Xue-hua, HOU Ji-bo, TANG Ying-hua(58)
- Structure and Function of *ORF117* of *Spodoptera litura* multicapsid nucleopolyhedrovirus II
..... LIU Xing-jian, JIANG Feng, WANG Shi-bao, LI Yi-nv, ZHANG Zhi-fang, HU Xiao-yuan(66)
- Heterologous Expression and Characterization of an Exo-polygalacturonase from *Neosartorya fischeri* P1
..... YANG Wen-xia, LI Ke, PAN Xia, SU Xiao-yun, YANG Pei-long(73)

DIGITAL AGRICULTURE & AGRICULTURAL MACHINERY

- Studies on Construction of Food Safety Traceability Chain ZHENG Huo-guo, LIU Shi-hong, HU Hai-yan(81)
- Research on Master-slave WSN System for Fruit Canopy Micro-environment Monitoring
..... GUO Xiu-ming, FAN Jing-chao, ZHOU Guo-min, QIU Yun, HU Lin(87)

RESOURCES AND ENVIRONMENT & BIOLOGICAL PHARMACY & BIOMASS TRANSFORMATION

- Research Advance on Recommendation for Crop Fertilization Methodology
..... CHUAN Li-min, HE Ping, ZHAO Tong-ke(95)
- Research Progress on High Efficient Water Utilization of Wheat RAN Wen-xing, WANG Ji-chuan, WANG Pu(103)
- Development Trend of Irrigation Water Conservancy Construction in Karst Mountain Areas
——A Case of Guizhou Province SONG Ju-lan, LUO Hai-bo, WU Lin-na, PAN Bo-juan, CHEN Yuan-yun(112)

- Variance Analysis on Potassium and Chlorine Contents of Flue-cured Tobacco among Different Varieties and Producing Areas in Bozhou *JIANG Chao-qiang, LI De-cheng, WANG Huo-yan, ZHANG Dong-qi, SHEN Jia, YAN Yi-feng, SANG Chuan-jie, ZU Chao-long*(120)
- Correlation Analysis of Chemical Components and Physical Properties of Heavy Flavor Flue-cured Tobacco in Hu'nan Province *LIU Zhi-xuan, ZHOU Qing-ming, LI Juan, LIU Hui, CHEN Jia-liang, LU Yuan*(129)
- Effects of Topdressing Different Potassium Fertilizer on Quality Traits of Flue-cured Tobacco *HAO Hao-hao, XUE Li-xin, XU Zi-cheng, WU Yan-hui, XU Yi, JIN Lei, LI Jian-zhong*(136)
- Research Progress in Forage Grass Silage Technology and Enlightenment for its Application in Rocky Desertification Areas ... *XIONG Kang-ning, XU Liu-xing, SHEN Xiao-yun, ZHANG Jin-hua, LIU Cheng-ming*(144)
- Relationship between Composition Characteristics of Soil Humus and Physiochemical Characteristics of Soil in Yunnan Gold Corridor Tobacco-growing Areas *WANG Shan-shan, LU Xiu-ping, XU Zi-heng, LI Jun-ying, PANG Tao*(154)

MARINE AGRICULTURE

- Review and Prospect on Seedling Production and Breeding Techniques of *Undaria pinnatifida* in China *SHAN Ti-feng, LI Jing, PANG Shao-jun*(164)
- Condition Optimization of Bioconversion Shrimp Processing Wastes with *Cantharellus cibarius* for Angiotensin I-Converting Enzyme (ACE) Inhibitors *GAO Xiu-jun, YAN Pei-sheng*(171)

INNOVATIVE METHODS AND TECHNOLOGIES

- Method Research of Quantitative Detection for Ochratoxin A by Aptasensor Combining Portable Glucose Meter *ZHANG Yong, ZHENG Nan, WEN Fang, ZHANG Yang-dong, LI Fa-di, WANG Jia-qi*(182)

TECHNICAL ECONOMY & INFORMATICS & AGRICULTURE POLICY

- Economic Impact of Highly Pathogenic Avian Influenza on Broiler Industry in China *HUANG Ze-ying, WANG Ji-min*(189)
- Comprehensive Evaluation and Research of Agricultural Science and Technology Competitiveness of the Major Cities in Gansu Province *JIN Ying, CHEN Bing-pu, MA Yan-ling*(200)

中文核心期刊

中国科学引文数据库收录 (2015-2016年来源期刊)

中国科技核心期刊 (中国科技论文统计源期刊)

中国核心期刊 (遴选) 数据库收录期刊

RCCSE中国核心学术期刊 (A)

中国农业核心期刊

中国学术期刊综合评价数据库来源期刊

《中国期刊网》、《中国学术期刊 (光盘版) 》全文收录期刊

Journal of Agricultural Science and Technology

ISSN 1008-0864



新浪微博:
中国农业科技导报

公众微信号:
nykjdb