

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

2017年 第十九卷 Vol.19 第 **2** 期 No.2

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

我国肉牛养殖效率及影响因素分析 石自忠,王明利,胡向东,崔 蛇(1)

生物技术 生命科学

荞麦根的转录组学分析及黄酮合成基因的鉴定 黄 娟,邓 娇,陈庆富(9)

Cl⁻通道抑制剂对高氯条件下烤烟叶片超微结构和生理指标的影响

..... 商 静,许嘉阳,王小东,苏良天,黄五星,许自成(20)

大花蕙兰与朱砂兰杂种根状茎增殖和分化的研究

..... 黎 霞,曹 桦,闻永慧,杨春梅,赵培飞,阮继伟,李 涵(28)

猪细小病毒 VP2 融合 IFN- γ 提高其在小鼠体内免疫原性

..... 张雪花,华 涛,陆吉虎,梅 梅,张道华,侯继波,唐应华(35)

基于宏基因组学 16S rDNA 测序对烟草根际土壤细菌群落组成分析

..... 常安然,李 佳,张 耸,占俊文,魏登辉,王佩雯,于建军(43)

作物根系结构对于旱胁迫的适应性研究进展 潘晓迪,张 颖,邵 萌,马黎明,郭新宇(51)

智慧农业 农机装备

基于 4G 通信的种猪采食量及生长速度远程监测系统 刘 勇,徐识溥,王运圣(59)

果园环境下苹果侦测与定位方法研究现状与展望

..... 夏 雪,丘 耘,王 健,胡 林,崔运鹏,樊景超,郭秀明,周国民(65)

资源环境 生物药物 生物质转化

不同施氮量和移栽密度对水稻产量及灌浆特性的影响

..... 张江林,侯文峰,鲁剑巍,任 涛,丛日环,李小坤(75)

生物炭基保水剂对土壤水分及油菜生长的影响 程红胜,沈玉君,孟海波,湛世界(86)

烘丝工序烟丝化学成分与感官质量的关系分析

..... 赵蓉蓉,邵惠芳,范 磊,张慢慢,王彬彬,陈芳泉,刘志宏,牛桂言,郝浩浩,许自成(93)

蚯蚓分离方法与设备的研究现状 林嘉聪,刘志刚,袁巧霞,曹红亮,易宝军(103)

海洋农业 淡水渔业

我国淡水养殖业发展的空间变化影响因素分析 周 磊,陈志峰,徐学荣(110)

杂交海带新品系 B013 孢子囊形成规律初探 苏 丽,逢少军,高素芹(119)

方法与技术创新

转基因马铃薯检测用质粒标准分子研制

..... 安 娜,董 美,李 凯,宛煜嵩,金芑军,韩 阳,李 亮(124)

用多模型方法预测相思树苯醇抽提物含量 范雅婷,刘 胜(131)

信息交流(139) 作者投稿指南(140)

CONTENTS

AGRICULTURAL INNOVATION FORUM

Analysis of Beef Cattle Breeding Efficiency and its Influence Factors in China

..... SHI Zizhong, WANG Mingli, HU Xiangdong, CUI Cha(1)

BIOTECHNOLOGY & LIFE SCIENCE

Transcriptome Analysis of *Fagopyrum* Root and Identification of Genes Involved in Flavonoid Biosynthesis

..... HUANG Juan, DENG Jiao, CHEN Qingfu(9)

Effects of Chloride Channel Inhibitors on Ultrastructure and Some Physiological Indexes under the High Chloride
in Flue-Cured Tobacco Leaves

..... SHANG Jing, XU Jiayang, WANG Xiaodong, SU Liangtian, HUANG Wuxing, XU Zicheng(20)

Study of *Cymbidium hybridum*×*Cymbidium Kanran* “Zhushalan” Hybrid Rhizome Proliferation and Differentiation

..... LI Xia, CAO Hua, WEN Yonghui, YANG Chunmei, ZHAO Peifei, RUAN Jiwei, LI Han(28)

Enhanced Immunogenicity of VP2 of Porcine Parvovirus Fused with Porcine Interferon γ in Mice

..... ZHANG Xuehua, HUA Tao, LU Jihu, MEI Mei, ZHANG Daohua, HOU Jibo, TANG Yinghua(35)

Analysis of Bacterial Community Structure in Rhizosphere Soil of Tobacco based on the Metagenomics 16S rDNA
Sequencing Technology

..... CHANG Anran, LI Jia, ZHANG Song, ZHAN Junwen, WEI Denghui, WANG Peiwen, YU Jianjun(43)

Research Progress on Adaptive Responses of Crop Root Structure to Drought Stress

..... PAN Xiaodi, ZHANG Ying, SHAO Meng, MA Liming, GUO Xinyu(51)

INTELLIGENT AGRICULTURE & AGRICULTURAL MACHINERY

Remote Monitoring System for Breeding Pig Growth based on 4G Communication

..... LIU Yong, XU Shipu, WANG Yunsheng(59)

Research Status and Prospect of Apple Detection and Localization Methods under Orchard Environment

..... XIA Xue, QIU Yun, WANG Jian, HU Lin, CUI Yunpeng, FAN Jingchao, GUO Xiuming, ZHOU Guomin(65)

RESOURCES AND ENVIRONMENT & BIOLOGICAL PHARMACY & BIOMASS TRANSFORMATION

Effects of Nitrogen Application Rates and Planting Density on Rice Yield and Grain-Filling Properties

..... ZHANG Jianglin, HOU Wenfeng, LU Jianwei, REN Tao, CONG Rihuan, LI Xiaokun(75)

Effects of Biochar-based Super Absorbent on Soil Moisture and Rape Growth

..... CHENG Hongsheng, SHEN Yujun, MENG Haibo, ZHAN Shijie(86)

Relationship Analysis between Chemical Compositions and Sensory Quality of in Drying Process

..... ZHAO Rongrong, SHAO Huifang, FAN Lei, ZHANG Manman, WANG Shanshan, CHEN Fangquan,
LIU Zhihong, NIU Guiyan, HAO Haohao, XU Zicheng(93)

Research Progress on Earthworm Separating Methods and Devices

..... LIN Jiacong, LIU Zhigang, YUAN Qiaoxia, CAO Hongliang, YI Baojun(103)

MARINE AGRICULTURE & FRESHWATER FISHERIES

Analysis of Space Change Influence Factors for Freshwater Aquaculture Development in China

..... ZHOU Lei, CHEN Zhifeng, XU Xuerong(110)

Investigation of Sorus Formation in the New *Saccharina japonica* Hybrid Cultivar B013

..... SU Li, PANG Shaojun, GAO Suqin(119)

INNOVATIVE METHODS AND TECHNOLOGIES

Development of a Reference Plasmid for Genetically Modified Potatoes Detection

..... AN Na, DONG Mei, LI Kai, WAN Yusong, JIN Wujun, HAN Yang, LI Liang(124)

Predicting the Content of Benzene Alcohol Extract of Acacia by Multi-Model Method

..... FAN Yating, LIU Sheng(131)

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

新浪微博
中国农业科技导报
公众微信号
nykjdb



ISSN 1008-0864

