

目 次

1995—2014年中国农作物秸秆沼气化碳足迹分析

..... 王艺鹏 杨晓琳 谢光辉 程娅丽(1)

搅拌强度对“两相分区一体”沼气发酵工艺产气效率的影响

..... 赵野 武京伟 袁旭峰 张环 朱万斌 王小芬 程序 崔宗均(15)

近红外光谱技术应用于玉米单籽粒蛋白质含量检测分析的初步研究

..... 张新玉 王颖杰 刘若西 申兵辉 王皎月 严衍禄 康定明(25)

特色花生新品系营养品质解析

..... 付春 张小军 岳福良 侯睿 张小红 李文均 刘行 张相琼(32)

负载量调控对杏李‘味帝’果实糖酸组分及风味的影响

..... 李泰山 杜改改 刁松锋 韩卫娟 傅建敏 杨绍彬 李芳东(39)

土壤耕作层 O₂ 含量对黄瓜各生育期根系生长特性的影响

..... 沈维 胡德勇 姚帮松 肖卫华 张立成

..... 黄正忠 程峰 阮三桂(49)

蒸汽压片玉米及膨化大豆对犊牛腹泻、血液生化及抗氧化性能的影响

..... 解祥学 杜红方 陈书琴 汪兴玉 刘萍

..... 陈东理 王敏 孟庆翔(57)

日粮中添加苜蓿黄酮对奶牛血液生化指标、抗氧化性能和免疫的影响

..... 占今舜 苏效双 刘明美 詹康 张春刚 赵国琦(66)

原儿茶酸在鸡组织中的残留消除规律

..... 肖红芝 韩娥 郭永霞 李佳 韩振海 文鹏程 何诚(75)

中国储粮害虫 DNA 条形码鉴定系统研究

..... 吴志刚 李文欣 赵紫华 伍袆 张涛 曹阳 李福君 李志红(82)

耙齿式残膜回收机收膜机构参数优化与试验

..... 周新星 吴努 严伟 游兆延 施丽莉 胡志超(90)

基于 CFD-DEM 耦合的揉丝机排料装置内物料运动模拟与试验

..... 宋学锋 戴飞 张雪坤 谢军海 杨杰 张锋伟(99)

冷风挡帘对日光温室内气温影响的数值模拟及其结构优化

..... 马文娟 塔娜 五十六 陈斌(108)

呼伦贝尔草原 2000—2010 年土地覆盖变化的遥感监测与分析

..... 刘雪冉 胡振琪 许涛 朱琦(118)

国内外矿山土地复垦质量管理对比研究 寇晓蓉 白中科 杜振州(128)

人工湿地外加碳源碳溶出及反硝化效果研究

..... 王勇 张宝莉 刘灏 程鸿宇 吴文良(137)

磷肥后移与减量对水稻磷素利用效率的影响

..... 龚海青 张敬智 陈晨 鄂红建 常江 章力干 丁玉宇(144)

极端气候变化及其对水稻气候产量影响的实证分析——以湖北省为例

..... 高雪 李谷成 尹朝静(153)

农户绿色农药购买意愿与行为的悖离研究——基于 5 省 863 个分散农户的调研数据

..... 姜利娜 赵霞(163)

农产品价格波动背景下农户短期生产要素投入决策分析

——基于对蛋鸡规模养殖户的调查 朱宁 秦富(174)

兼业型蛋鸡养殖户的生产效率及其差异性分析 李娟 赵一夫(180)

基于饲料需求的我国饲料谷物需求预测分析 冉娟 王济民(190)

基于减畜机会损失差异化的草原生态补奖标准分析 韦惠兰 祁应军(199)

中国农业碳排放、低碳农业生产率及其协调性研究 田云 张俊飚(208)

CONTENTS

- Temporal variation in carbon footprint of crop residue for biogas utilization in China from 1995 to 2014 WANG Yipeng, YANG Xiaolin, XIE Guanghui, CHEN Yali(1)
- Effect of stirring intensity on integrated two-phase biogas digestion ZHAO Ye, WU Jingwei, YUAN Xufeng, ZHANG Huan, ZHU Wanbin, WANG Xiaofen, CHENG Xu, CUI Zongjun(15)
- Application of near-infrared spectroscopy technology to analyze protein content in single kernel maize seed ZHANG Xinyu, WANG Yingjie, LIU Ruoxi, SHEN Binghui, WANG Jiaoyue, YAN Yanlu, KANG Dingming(25)
- Nutrition and quality analysis of special new peanut varieties FU Chun, ZHANG Xiaojun, YUE Fuliang, HOU Rui, ZHANG Xiaohong, LI Wenjun, LIU Xing, ZHANG Xiangqiong(32)
- Crop load influences the components of sugar, acid and flavor in *Prunus domestica* × *armeniaca* ‘Weidi’ LI Taishan, DU Gaigai, DIAO Songfeng, HAN Weijuan, FU Jianmin, YANG Shaobin, LI Fangdong(39)
- Effects of oxygen content in soil magnetism on the growth characteristics of cucumber roots at different growth period SHEN Wei, HU Deyong, YAO Bangsong, XIAO Weihua, ZHANG Licheng, HUANG Zhengzhong, CHENG Feng, RUAN Sangui(49)
- Effects of steam-flaked corn and extruded soybeans on diarrhea and blood parameters in veal calves XIE Xiangxue, DU Hongfang, CHEN Shuqin, WANG Xingyu, LIU Ping, CHEN Dongli, WANG Min, MENG Qingxiang(57)
- Effects of diet added alfalfa flavonoids on blood biochemical indexes, oxidation resistance and immunity of dairy cow ZHAN Jinshun, SU Xiaoshuang, LIU Mingmei, ZHAN Kang, ZHANG Chungang, ZHAO Guoqi(66)
- Residue depletion of protocatechuic acid in chicken tissues XIAO Hongzhi, HAN E, GUO Yongxia, LI Jia, HAN Zhenhai, WEN Pengcheng, HE Cheng(75)
- Development and primary application of the DNA barcode identification system of grain pests WU Zhigang, LI Wenxin, ZHAO Zihua, WU Yi, ZHANG Tao, CAO Yang, LI Fujun, LI Zhihong(82)
- Parameters optimization and experiment for film receiving institutions of rake teeth type residual film recovery machine ZHOU Xinxing, WU Nu, YAN Wei, YOU Zhaoyan, SHI Lili, HU Zhichao(90)

Numerical simulation and experiment of materials movement based on CFD-DEM
coupling method in the discharging device of kneading machine

..... SONG Xuefeng , DAI Fei , ZHANG Xuekun , XIE Junhai ,
YANG Jie , ZHANG Fengwei (99)

Numerical simulation and verification for the effect of keep-off shade on temperature field in
solar greenhouse MA Wenjuan , Tana , Wushiliu , CHEN Bin (108)

Remote sensing monitoring and analysis of Hulunbuir grassland cover changes
from 2000 to 2010 LIU Xueran , HU Zhenqi , XU Tao , ZHU Qi (118)

Comparative study on quality management of mine land reclamation at home and abroad
..... KOU Xiaorong , BAI Zhongke , DU Zhenzhou (128)

Research on the dissolution of extra carbon source and denitrification effect in the
constructed wetlands WANG Yong , ZHANG Baoli , LIU Hao ,
CHENG Hongyu , WU Wenliang (137)

Effect of phosphorus fertilizer postpone and reduction on phosphorus utilization efficiency of rice
..... GONG Haiqing , ZHANG Jingzhi , CHEN Chen , GAO Hongjian ,
CHANG Jiang , ZHANG Ligan , DING Yuyu (144)

Empirical analysis of extreme climate events and its impact on climate yield of rice:
A case study of Hubei Province GAO Xue , LI Gucheng , YIN Chaojing (153)
A study on paradox between farmers' purchasing willingness and purchasing behavior of
green pesticides; Based on 863 farmers' survey data from five provinces in China
..... JIANG Lina , ZHAO Xia (163)

Analysis of farmers' decision on key elements input in short-term production under the
background of agricultural products price fluctuations; Based on the survey of
large-scale layer farmers ZHU Ning , QIN Fu (174)

Production efficiency and difference analysis of laying hens breeding farmers in
concurrent occupation LI Juan , ZHAO Yifu (180)

Prediction and analysis of feed grain demand based on feed demand in China
..... RAN Juan , WANG Jimin (190)

Analysis of grassland eco-compensation standard based on the differentiation of the
opportunity losses caused by reducing livestock WEI Huilan , QI Yingjun (199)

Agricultural carbon emission, low carbon agricultural productivity and
their coordinated relation in China TIAN Yun , ZHANG Junbiao (208)