

华南农业大学学报

第 39 卷 第 5 期 2018 年 9 月

目 次

秸秆还田和地膜覆盖对土壤环境和水稻生长的影响

..... 王晓航, 耿艳秋, 金 峰, 郭丽颖, 党 昆, 邵玺文(1)

增效过磷酸钙生产的中量元素肥料的肥效研究

纪海石, 李庆忠(8)

生物炭配施微肥对菜园土壤有效态重金属含量的影响

..... 汪亚会, 覃雨虹, 马彦蓉, 尚怡静, 黎华寿, 陈桂葵(18)

粤西地区不同林分类型土壤重金属含量及生态风险评价

..... 庄玉婷, 冯嘉仪, 储双双, 吴道铭, 王 婧, 张立超, 曾曙才(25)

青葙的自毒作用及对其他植物的化感作用

..... 梁笑婷, 林熠斌, 宋圆圆, 王瑞龙, 曾任森, 陈冬梅(32)

不同插竿方式诱集稻田福寿螺产卵的效应研究

..... 储少媛, 章家恩, 郭 靖, 陈 昊, 谭熠华(39)

外源性褪黑素和脂多糖对育成期山麻鸭生长及免疫功能的影响

..... 江丹莉, 劳永聪, 吴纯华, 王金辉, 包海缘, 林泽桐, 张贝贝, 林丹敏, 劳嘉伟, 黄运茂(47)

虾青素对脂多糖通过 TLR4/MyD88/NF- κ B 信号通路诱导的 IPEC-J2 细胞炎症的影响

..... 朱凌羽, 张子琪, 兰海楠, 吴 旻, 刘惠麟, 郑 鑫(53)

四川省部分地区成年山羊十二指肠贾第虫感染调查与基因分型研究

..... 涂 蕊, 但佳明, 严光文, 郑 静, 田一男, 肖启程, 魏 斌,

周紫晓, 刘海峰, 杨亭玉, 彭广能, 钟志军(59)

金霉素胁迫下室内粪土模型中菌群多样性与四环素类抗生素耐药基因丰度研究

..... 邹 勇, 黄蔚虹, 陈永杰, 冯慧君, 李金红, 任海鑫, 孙永学(65)

解淀粉芽孢杆菌 gfj-4 发酵上清液及与化学杀菌剂混配对玉米大斑病病菌的抑制作用

..... 段海明, 程 红, 李林玉, 余 利, 黄伟东, 余海兵(74)

3 种吸附剂对二氯喹啉酸和莠去津吸附效果的研究

闫 河, 冯 莉, 黄继光, 周利娟(82)

分子模拟对接和定点突变提高 10 β - 去乙酰巴卡亭 III 乙酰氧基转移酶的活力

..... 欧阳萍兰, 黄佳俊, 林淑玲, 魏 韬, 林俊芳, 郭丽琼, 刘俊峰, 刘绮倩(87)

芍药 *PIFLS* 基因生物信息学分析及对拟南芥的遗传转化

史 旻, 孙 静, 陶 俊(93)

施药机器人对行施药系统的设计与试验

..... 白如月, 汪小崑, 鲁 伟, 李成光, Morice O. ODHIAMBO(101)

近红外高光谱成像技术检测成熟期酿酒葡萄果皮的花色苷含量

..... 杨蜀秦, 彭 康, 刘 旭(110)

基于音频技术的肉鸡采食量检测方法研究

..... 杨 稷, 沈明霞, 刘龙申, 陆明洲, 何灿隆, 李嘉位(118)

征订启事

(124)

CONTENTS

Effects of straw returning and plastic film mulching on soil environment and rice growth
..... WANG Xiaohang, GENG Yanqiu, JIN Feng, GUO Liying, DANG Kun, SHAO Xiwen (1)

Study on the fertilizer effect of medium element fertilizer in the production of synergistic single superphosphate calcium
..... JI Haishi, LI Qingzhong (8)

Influence of biochar combining with micro-fertilizer on available heavy metal content in vegetable garden soil
..... WANG Yahui, QIN Yuhong, MA Yanrong, SHANG Yijing, LI Huashou, CHEN Guikui (18)

Contents and ecology risk assessments of heavy metals in different forest soils in West Guangdong
..... ZHUANG Yuting, FENG Jiayi, CHU Shuangshuang, WU Daoming,
WANG Jing, ZHANG Lichao, ZENG Shucai (25)

Autotoxicity of *Celosia argentea* and its allelopathic effects on other plants
..... LIANG Xiaoting, LIN Yibin, SONG Yuanyuan, WANG Ruilong, ZENG Rensen, CHEN Dongmei (32)

Trapping effect of inserting bamboo poles in the paddy fields on spawning of *Pomacea canaliculata*
..... CHU Shaoyuan, ZHANG Jiaen, GUO Jing, CHEN Hao, TAN Yihua (39)

Effects of exogenous melatonin and lipopolysaccharide on the growth and immune function of Shanma ducks
..... JIANG Danli, LAO Yongcong, WU Chunhua, WANG Jinhui, BAO Haiyuan, LIN Zetong,
ZHANG Beibei, LIN Danmin, LAO Jiawei, HUANG Yunmao (47)

Effects of astaxanthin on IPEC-J2 cell inflammation induced by lipopolysaccharide via TLR4/MyD88/NF-κB signaling pathway
..... ZHU Lingyu, ZHANG Ziqi, LAN Hainan, WU Min, LIU Huilin, ZHENG Xin (53)

Prevalence and genotyping of *Giardia duodenalis* in adult goats in Sichuan partial areas
..... TU Rui, DAN Jiaming, YAN Guangwen, ZHENG Jing, TIAN Yinan, XIAO Qicheng, WEI Bin,
ZHOU Ziyao, LIU Haifeng, YANG Tingyu, PENG Guangneng, ZHONG Zhijun (59)

Microbial community diversity and tetracycline resistance gene abundance in manure-soil model under chlortetracycline stress
..... ZOU Yong, HUANG Weihong, CHEN Yongjie, FENG Huijun, LI Jinhong, REN Haixin, SUN Yongxue (65)

Inhibitory effects of *Bacillus amyloliquefaciens* gflj-4 fermentation supernatant and its mixtures with chemical fungicides
against *Exserohilum turcicum*
..... DUAN Haiming, CHENG Hong, LI Linyu, YU Li, HUANG Weidong, YU Haibing (74)

Adsorption effects of three adsorbents to quinclorac and atrazine
..... YAN He, FENG Li, HUANG Jiguang, ZHOU Lijuan (82)

Increase of 10-deacetyl baccatin III -10β-O-acetyl transferase activity with molecular docking simulation and site-directed mutation
..... OUYANG Pinglan, HUANG Jiajun, LIN Shuling, WEI Tao, LIN Junfang,
GUO Liqiong, LIU Junfeng, LIU Qiqian (87)

Bioinformatics analysis of *Paeonia lactiflora* PIFLS gene and its genetic transformation in *Arabidopsis thaliana*
..... SHI Min, SUN Jing, TAO Jun (93)

Design and experiment of row-following pesticide spraying system by robot
..... BAI Ruyue, WANG Xiaochan, LU Wei, LI Chengguang, Morice O. ODHIAMBO (101)

Detection of anthocyanin contents in ripening winegrape skins by near-infrared hyperspectral imaging technology
..... YANG Shuqin, PENG Kang, LIU Xu (110)

Research of detection method for broiler chicken feed intake based on audio technology
..... YANG Ji, SHEN Mingxia, LIU Longshen, LU Mingzhou, HE Canlong, LI Jiawei (118)