

CHINA FEED

中国饲料®



ISSN 1004-3314
CN 11-2975/S

2022 9

总第701期

● 中文核心期刊 ● 国家A类学术期刊 ● 全国优秀科技期刊 ● 中国期刊网入网期刊 ● 中国学术期刊综合评价数据库来源期刊

· 广告 ·



第十二届 大北农科技奖颁奖大会暨 中关村全球农业科技创新论坛

即将盛大开幕

2022年6月28日

北京·大北农凤凰国际创新园
(北京市海淀区翠湖南路)

颁奖盛况 农业创新论坛

全球直播 共襄盛举

诺贝尔奖获得者等科学家

共谋农业科技创新

SCIENCE AND TECHNOLOGY INNOVATION



承办单位:大北农集团
大会官网:www.gatif.dbn.cn
集团官微:大北农集团



THE AWARDING CEREMONY FOR THE 12TH DBN SCIENCE AND TECHNOLOGY AWARD & ZHONGGUANGCUN GLOBAL AGRICULTURAL TECHNOLOGICAL INNOVATION FORUM



■ 赖氨酸及其在反刍动物营养上的研究进展

■ 日粮类型对内蒙古绒山羊能量代谢的影响

目次

综 述

- 微生物发酵饲料在反刍动物生产中的研究进展 张转弟,张巧娥,王 庆,等(1)
- 赖氨酸及其在反刍动物营养上的研究进展 吴祎程,徐琪翔,任 傲,等(6)
- 益生菌对断奶仔猪肠道黏膜屏障功能的调控作用及可能机制 刘伟鑫,张佳鑫,陈继发,等(14)

科学实验研究

- 日粮类型对内蒙古绒山羊能量代谢的影响 张晓东,韦玥瑞,李科南,等(20)
- 丁酸梭菌、黑曲霉菌丝体对肉鸡生长性能、血清生化指标和肠道形态的影响
..... 武丽达,沈雪梅,杨 鑫,等(25)
- 一株喜油嗜热芽孢杆菌 G1201 产高温蛋白酶的性质研究及异源表达初探
..... 朱 檬,刘国瑞,张 军,等(30)
- 一株大肠杆菌噬菌体的分离鉴定与系统进化分析 付 强,赵修报,王 艳,等(38)
- 亚麻籽胶浓度对大豆分离蛋白功能特性的影响 赵荣敏(42)
- 产 β -甘露聚糖酶菌株筛选及制备甘露寡糖产物分析 王佰涛,杨文玲,权淑静,等(47)

添 加 剂

- 抗菌肽对产蛋后期蛋鸡生产性能、蛋品质、营养物质代谢及血清生化指标的影响
..... 刘梦雪,刘优优,何云凤,等(52)
- 添加抗菌肽和三丁酸甘油酯对绵羊瘤胃体外发酵的影响 高俊玲,甄玉国,王 涛,等(57)
- 不同钙磷水平日粮和植酸酶对黄脚麻母鸡生长性能和血清生化指标的影响
..... 朱沛霖,计 伟,齐玉凯,等(63)
- 益生菌对奶牛生产性能、血液生化指标及瘤胃发酵参数的影响
..... 隋 明,吴亚楠,张崇军,等(67)
- 香菇素对马岗鹅生长性能及免疫器官指数的影响 范小丫,林良建,谭雁婷,等(71)
- 黄芩超临界微乳剂抗菌及促畜禽生长性能研究 高腾美,常 娟,杨涵月,等(75)

检 测 分 析

- 超高效液相色谱-串联质谱法同时测定饲料中 6 种多肽类抗生素 乔 颖,袁奎敬,韩凤丽,等(81)
- 西藏主要饲料作物中维生素 E 含量的测定 刘贵芳,田发益(87)
- 光化学衍生法测定玉米及玉米制品中的黄曲霉毒素 B₁ 刘梦佳,任肖峰,郑大威,等(92)

水产养殖

中华鳖饲料复合植物蛋白替代鱼粉的效果研究 朱站英,王刚,黄仲园,等(96)

饲料加工工艺

碱性蛋白酶酶解藜麦芽制备多肽工艺的研究 郝晓华,郑凯南,刘可心(104)

氧化石墨烯辅助乙醇提取荞麦壳中总黄酮的工艺研究 苏学军,裘可,范文赟(108)

牧草与饲用植物

龙牧1号羊草不同生态区域生产性能研究 王晓龙,杨墨,李红,等(113)

饲草玉米新品系饲用营养价值初步研究 邱冠杰,高沐甜,朱通通,等(118)

资源开发利用

含葡萄籽或紫色象草饲粮体外发酵特征的差异 强艳,沈振峰,冉航,等(123)

发酵复合植物性饲料原料对育肥湖羊生长性能、血清生化指标和瘤胃内环境的影响
..... 毕梦凡,张克霄,常娟,等(130)

复合益生菌协同复合酶发酵对玉米秸秆青贮品质的影响 尹琚伊,刘秋瑾,王欢,等(136)

观察与探讨

大数据技术在草牧业中的应用浅析 曾兵,张文浚,尚盼盼,等(141)

福邦酵母技术专栏

不同添加剂对白羽肉鸡生长性能、免疫及肠道健康的影响
..... 戴晋军,廖灿青,覃先武,等(146)

· 书 评 ·

饲料行业英语翻译策略探索——评《动物营养与饲料加工专业英语》 余爽爽(151)

人性化管理在饲料企业经济管理中的应用——评《企业经济管理的信息化研究》
..... 陈海燕(153)

加强统计工作,提高饲料企业管理水平——评《企业经营管理统计》
..... 朱苓(155)

CONTENTS

Research progress of microbial fermented feed on ruminant	ZHANG Zhuandi,ZHANG Qiao'e,WANG Qing, <i>et al.</i> (1)
Advances in lysine and its nutrition in ruminants	WU Yicheng,XU Qixiang,REN Ao, <i>et al.</i> (6)
Probiotics: Regulation on intestinal mucosal barrier function of weaned piglets and possible mechanisms	LIU Weixin,ZHANG Jiaxin,CHEN Jifa, <i>et al.</i> (14)
Effects of dietary types on energy metabolism of Inner mongolia cashmere goats	ZHANG Xiaodong,WEI Yuerui,LI Kenan, <i>et al.</i> (20)
Effects of <i>Clostridium butyricum</i> or <i>Aspergillus niger</i> mycelium on growth performance,serum biochemical indexes and intestinal morphology of broilers	WU Lida,SHEN Xuemei,YANG Xin, <i>et al.</i> (25)
Characterization and heterologous expression of a thermophilic protease produced by <i>Geobacillus thermoleovorans</i> G1201	ZHU Meng,LIU Guorui,ZHANG Jun, <i>et al.</i> (30)
Isolation,characterization and phylogenetic analysis of a coliphage	FU Qiang,ZHAO Xiubao,WANG Yan, <i>et al.</i> (38)
Effect of flaxseed gum concentration on the functional characteristics of soy protein isolate	ZHAO Rongmin(42)
Screening of β -mannanase-producing strains and analysis of mannan-oligosaccharide products	WANG Baitao,YANG Wenling,QUAN Shujing, <i>et al.</i> (47)
Effects of antimicrobial peptides on production performance, egg quality,nutrient metabolism and serum biochemical indexes in late laying period	LIU Mengxue,LIU Youyou,HE Yunfeng, <i>et al.</i> (52)
Effect of adding antimicrobial peptides and tributyrin on rumen fermentation of sheep <i>in vitro</i>	GAO Junling,ZHEN Yuguo,WANG Tao, <i>et al.</i> (57)
Effects of diets with different levels of calcium,phosphorus and phytase on growth performance and serum biochemical indexes in female yellow-foot broilers	ZHU Peiji,JI Wei,QI Yukai, <i>et al.</i> (63)
Effect of probiotics on dairy cow performance,blood biochemical indexes and rumen fermentation parameters	SUI Ming,WU Yanan,ZHANG Chongjun, <i>et al.</i> (67)
Effect of peptide on the growth performance and immune organ index of Magang goose	FAN Xiaoya,LIN Liangjian,TAN Yanting, <i>et al.</i> (71)
Study on antibacterial and growth promoting performance of Radix Scutellariae supercritical microemulsion	GAO Tengmei,CHANG Juan,YANG Hanyue, <i>et al.</i> (75)
Simultaneous determination of six polypeptide antibiotics in feeds by ultra performance liquid chromatography-tandem mass spectrometry	QIAO Ying,YUAN Kuijing,HAN Fengli, <i>et al.</i> (81)
Determination of vitamin E content in main forage crop in Tibet	LIU Guifang,TIAN Fayi(87)
Determination of aflatoxin B ₁ in corn or corn products by post-column photochemical derivatization	LIU Mengjia,REN Xiaofeng,ZHENG Dawei, <i>et al.</i> (92)
Study on the replacement effect of fish meal with compound plant protein sources in the feed of Chinese soft shelled turtle(<i>Trionyx sinensis</i>)	ZHU Zhanying,WANG Gang,HUANG Zhongyuan, <i>et al.</i> (96)
Study on preparation of peptides from <i>Quinoa</i> malt by alkaline protease	HAO Xiaohua,ZHENG Kainan,LIU Kexin(104)
Study on the process of extracting total flavonoids from buckwheat hulls with graphene oxide-assisted ethanol	SU Xuejun,QIU Ke,FAN Wenyun (108)
Study on the production performance of <i>Leymus chinensis</i> Longmu No.1 in different ecological regions	WANG Xiaolong,YANG Zhao,LI Hong, <i>et al.</i> (113)
Study on forage nutritional value of new forage maize	QIU Guanjie,GAO Mutian,ZHU Tongtong, <i>et al.</i> (118)
Comparison of <i>in vitro</i> rumen fermentation characteristics of diet with grape seed or elephant grass (<i>Pennisetum purpureum</i> Schum.)	QIANG Yan,SHEN Zhenfeng,RAN Hang, <i>et al.</i> (123)
Effects of fermented compound plant feed materials on growth performance, serum biochemical indexes and rumen environment of fattening Hu sheep	BI Mengfan,ZHANG Kexiao,CHANG Juan, <i>et al.</i> (130)
Effect on quality of corn straw silage of fermented with compound probiotics and compound enzyme	YIN Junyi,LIU Qiuji,WANG Huan, <i>et al.</i> (136)
Analysis on the application of big data technology in grass animal husbandry	ZENG Bing,ZHANG Wenjun,SHANG Panpan, <i>et al.</i> (141)
Effects of different feed additives on growth performance,immunity and gut health of white-feathered broilers	DAI Jinjun,LIAO Canqin,QIN Xianwu, <i>et al.</i> (146)