



ISSN 1006-267X
CN 11-5461/S

动物营养学报

CHINESE JOURNAL OF ANIMAL NUTRITION

www.ChinaJAN.com



Vol.24 No.10
2012

万方数据

中国畜牧兽医学会
CHINESE ASSOCIATION OF
ANIMAL SCIENCE AND VETERINARY MEDICINE

动物营养学报

中文核心期刊

中国科技核心期刊

中国科学引文数据库来源期刊

英国 CAB Abstracts 收录期刊

美国 Chemical Abstracts 收录期刊

第 24 卷 第 10 期 2012 年 10 月

目 次

综述

- | | |
|-------------------------------------|----------------------------|
| 1847 小肽转运载体 1 的生物学特性及其功能 | 朱宇旌 王秉玉 张 勇 李欣蔚
邵彩梅 |
| 1854 分泌性免疫球蛋白 A 与肠道黏膜免疫的关系及其分泌的营养调控 | 王定越 徐盛玉 宋 洁 杨双源
吴 德 |
| 1861 白藜芦醇调节畜禽脂质代谢的机制 | 陈小玲 黄志清 郭秀兰 唐仁勇
刘光芒 吴秀群 |
| 1866 叶绿醇对脂肪细胞分化及糖脂代谢的调节作用 | 林厦菁 朱晓彤 江青艳 束 刚 |
| 1871 虾类对晶体氨基酸或微囊氨基酸利用效果的研究进展 | 魏 凯 孙龙生 安振华 王秀英 |

猪与禽营养

- | | |
|-------------------------------------|------------------------|
| 1878 无氮饲料对肉鸡盲肠微生物菌群结构及内源氨基酸基础损失量的影响 | 蒋纯卫 吕于明 王永伟 雷 廷
郭双双 |
|-------------------------------------|------------------------|

反刍与草食动物营养

- | | |
|--|--------------------------------|
| 1888 不同精粗比下添加维生素 B ₁₂ 对体外瘤胃发酵和微生物酶活力的影响 | 李亚学 王佳堃 孙 华 彭永佳
茅慧玲 吴跃明 刘建新 |
| 1897 饲料蛋氨酸添加水平对断奶至 3 月龄獭兔生长性能、免疫功能及血清生化指标的影响 | 吴振宇 李福昌 王雪鹏 王春阳
麻名文 |

实验方法

- | | |
|--------------------------|-----------------|
| 1903 麦麸猪消化能与能量消化率预测方程的建立 | 张志虎 唐受文 王思宇 马永喜 |
|--------------------------|-----------------|

饲料营养

- | | |
|--|--------------------------------|
| 1912 银耳孢子发酵物与益生菌对生长肥育猪生长性能及肉品质的影响 | 丁文强 贾 刚 王康宁 |
| 1920 小麦基础饲料中添加木聚糖酶对生长猪生长性能、血清生化指标及肠道微生物菌群的影响 | 王 利 何 军 余 冰 黄志清
毛湘冰 郑 萍 陈代文 |

协 办 单 位

(2012 年度, 排名不分先后)

国家奶牛产业技术体系

动物营养学国家重点实验室

武汉新华扬生物股份有限公司

肇庆市华芬饲料酶有限公司

上海美农生物科技股份有限公司

1928	饲料添加大豆卵磷脂乳化剂对肉鸡生长性能、养分利用率和血清生化指标的影响	胡 玲	曾秋凤	丁雪梅	栢 丽
		张克英	吴秀群		
1939	黄芪多糖对氢化可的松氧化应激状态下肉仔鸡生长性能、脏器指数及抗氧化能力的影响	魏炳栋	陶 浩	于 维	陈 群
		李 林			
1946	L-茶氨酸对黄羽肉鸡生产性能和免疫功能的影响	文 慧	魏时来	张石蕊	侯德兴
		肖文军	贺 喜		
1955	饲料添加益生菌与酶制剂对黄羽肉鸡生长性能的影响及相关机理	林 谦	戴求仲	宾石玉	蒋桂韬
		张建华	张 旭	王照群	王向荣
1966	茶多酚和酵母硒及其互动对绿壳蛋鸡生产性能、蛋品质及蛋黄中胆固醇和硒含量的影响	何柳青	曲湘勇	魏艳红	汪加明
		常春茹	肖建新		
1976	饲料 ω -6/ ω -3 多不饱和脂肪酸比例对鹅肝脏过氧化脂质和肝细胞超微结构的影响	丁洛阳	蔡缪荧	王梦芝	喻礼怀
1983	柠条锦鸡儿营养成分动态变化及其在绵羊瘤胃内的降解	弓 剑			
1992	几株益生乳酸菌对 Caco-2 细胞的黏附及其对致病菌黏附的影响	白 洁	李卫芬	黄 琴	崔志文
		余东游	黄 怡		
饲料安全					
1999	抽样调查北京地区猪场饲料及饲料原料赭曲霉毒素 A 污染状况	赵丽红	马秋刚	李笑樱	范 或
		雷元培	计 成	贾亚雄	谢实勇
2006	氯化胆碱和维生素 K ₃ 饲料添加剂中二噁英类化合物浓度及其单体分布特征	刘志斌	张建清	蒋友胜	周 健
		李胜浓			
研究简报					
2013	饲料中添加不同水平 L-精氨酸对妊娠母猪繁殖性能及血液生化指标的影响	杨 慧	林登峰	王 恬	林伯全
		李贺来			
2021	大豆异黄酮对香猪睾丸形态及精子发生标志基因表达的影响	范觉鑫	张 彬	李丽立	袁晓雪
		王水莲	谢 婷	耿梅梅	
2028	饲料粗蛋白质水平对鲁西斗鸡生产性能及蛋品质的影响	陈冠军	杨维仁	杨在宾	高 翔
		张相伦			
2036	饲料 NFC/NDF 对奶山羊瘤胃上皮细胞胰岛素样生长因子 I 及其受体的基因表达的影响	周向丽	刘大程	孙 鸽	高 民
		胡红莲			
2044	玉米秸和大豆秸对生长獭兔的营养价值	苏双良	谷子林	刘亚娟	陈赛娟
2050	青鱼对 8 种饲料原料中营养物质的表观消化率	明建华	叶金云	张易祥	吴成龙
		杨 霞	刘 黎		
2059	不同规格管角螺肌肉营养成分分析	蒋霞敏	姜小敏	杜学星	张林林
2067	枯草芽孢杆菌 B1 对饲喂高脂饲料小鼠抗氧化功能的影响	徐 歆	毛予龙	李雅丽	胡胜兰
		吴红照	李卫芬		

CHINESE JOURNAL OF ANIMAL NUTRITION

Chinese Core Journals

Abstracted in CAB Abstracts and Chemical Abstracts

Volume 24 Number 10 October 2012

CONTENTS

REVIEW

- 1847 Peptide Transporter 1: Biological Characteristics and Functions
- 1854 Secretory Immunoglobulin A: Relationship with Intestinal Mucosal Immunity and Nutritional Regulation of Its Secretion
- 1861 Regulation Mechanism of Resveratrol on Lipid Metabolism in Livestock and Poultry
- 1866 Modulation Effects of Phytol on Adipocytes Differentiation and Glucolipid Metabolism
- 1871 Advances in Utilization Effects of Crystalline Amino Acid and Microencapsulation Amino Acid in Shrimps

ZHU Yujing, WANG Bingyu, ZHANG Yong, LI Xinwei, SHAO Caimei
WANG Dingyue, XU Shengyu, SONG Jie, YANG Shuangyuan, WU De
CHEN Xiaoling, HUANG Zhiqing, GUO Xiulan, TANG Renyong, LIU Guangmang, WU Xiuqun
LIN Xiajing, ZHU Xiaotong, JIANG Qingyan, SHU Gang
WEI Kai, SUN Longsheng, AN Zhenhua, WANG Xiuying

SWINE AND POULTRY NUTRITION

- 1878 Nitrogen-Free Diets: Effects on Cecal Microflora and Endogenous Amino Acid Basal Losses of Broilers

JIANG Chunwei, GUO Yuming, WANG Yongwei, LEI Ting, GUO Shuangshuang

RUMINANTS AND HERBIVOROUS ANIMAL NUTRITION

- 1888 *In Vitro* Rumen Fermentation and Microbial Enzyme Activities Influenced by Vitamin B₁₂ Supplementation in Different Concentrate to Forage Ratios
- 1897 Effects of Dietary Methionine Supplemental Level on Growth Performance, Immune Function and Serum Biochemical Indices of Weaner to 3-Month-Old Rex Rabbits

LI Yaxue, WANG Jiakun, SUN Hua, PENG Yongjia, MAO Huiling, WU Yueming, LIU Jianxin
WU Zhenyu, LI Fuchang, WANG Xuepeng, WANG Chunyang, MA Mingwen

EXPERIMENTAL METHODS

- 1903 Prediction Equations for Digestible Energy and Digestibility Coefficient of Energy of Wheat Bran for Pigs

ZHANG Zhihu, TANG Shouwen, WANG Siyu, MA Yongxi

FEED SCIENCE AND TECHNOLOGY

- 1912 Effects of *Tremella fuciformis* Berk Spore Fermentation and Probiotic on Growth Performance and Meat Quality of Growing-Finishing Pigs
- 1920 Effects of Wheat-Based Diets Supplemented with Xylanase on Growth Performance, Serum Biochemical Parameters and Intestinal Microbial Flora of Growing Pigs

DING Wenqiang, JIA Gang, WANG Kangning

WANG Li, HE Jun, YU Bing, HUANG Zhiqing, MAO Xiangbing, ZHENG Ping, CHEN Daiwen

SUPPORTED FROM

(2012, in no particular order)

National Dairy Industry and Technology System

State Key Laboratory of Animal Nutrition

Sunhy Biology Co., Ltd. Wuhan

Huafen Feed Enzymes (Zhaoqing) Co., Ltd.

Shanghai Menon Animal Nutrition Technology Co., Ltd.

1928 Diets Supplemented with Soybean Lecithin Emulsifier Affect Growth Performance, Nutrient Availability and Serum Biochemical Indices of Broilers

HU Ling, ZENG Qiufeng, DING Xuemei, ZHE Li, ZHANG Keying, WU Xiuqun

1939 Effects of *Astragalus* Polysaccharide on Growth Performance, Viscera Indexes and Antioxidant Capacity in Broilers under Oxidative Stress by Hydrocortisone Induction

WEI Bingdong, TAO Hao, YU Wei, CHEN Qun, LI Lin

1946 Effects of *L*-Theanine on Performance and Immune Function of Yellow-Feathered Broilers

WEN Hui, WEI Shilai, ZHANG Shirui, HOU Dexing, XIAO Wenjun, HE Xi

1955 Probiotics and Enzyme Preparation: Effects on Growth Performance of Yellow-Feathered Broilers and Its Mechanism

LIN Qian, DAI Qiuzhong, BIN Shiyu, JIANG Guitao, ZHANG Jianhua, ZHANG Xu, WANG Zhaoqun, WANG Xiangrong

1966 Effects of Tea Polyphenols and Selenium Yeast and Their Interaction on Performance, Egg Quality and Contents of Cholesterol and Selenium in Yolk of Green Shell Hens

HE Liuqing, QU Xiangyong, WEI Yanhong, WANG Jiaming, CHANG Chunru, XIAO Jianxin

1976 Dietary ω -6/ ω -3 Polyunsaturated Fatty Acid Ratio Affects Lipid Peroxide and Ultrastructure in Geese Liver

DING Luoyang, CAI Miuying, WANG Mengzhi, YU Lihuai

1983 Dynamic Change and Rumen Degradation Characteristics of *Caragana korshinskii* Nutrients in Sheep

GONG Jian

1992 Several Strains of Lactic Acid Bacteria: Adhesion Ability to Caco-2 Cells and Effects on Adhesion of Pathogenic Bacteria

BAI Jie, LI Weifen, HUANG Qin, CUI Zhiwen, YU Dongyou, HUANG Yi

FEED SECURITY

1999 Sampling and Investigating Ochratoxin A Contamination of Feeds and Feedstuffs from Pig Farms in *Beijing* Area

ZHAO Lihong, MA Qiugang, LI Xiaoying, FAN Yu, LEI Yuanpei, JI Cheng, JIA Yaxiong, XIE Shiyong

2006 Feed Additives of Choline Chloride and Vitamin K₃: Dioxin Compound Concentrations and the Distribution Characteristics of Monomers

LIU Zhibin, ZHANG Jianqing, JIANG Yousheng, ZHOU Jian, LI Shengnong

SHORT COMMUNICATIONS

2013 Effects of Different Levels of Dietary *L*-Arg on Reproductive Performance and Blood Biochemical Indexes of Pregnant Sows

YANG Hui, LIN Dengfeng, WANG Tian, LIN Boquan, LI Heli

2021 Soybean Isoflavones Affect Testis Morphology and Expression of Marker Genes during Spermatogenesis of *Xiang* Pigs

FAN Juexin, ZHANG Bin, LI Lili, YUAN Xiaoxue, WANG Shuilian, XIE Ting, GENG Meimei

2028 Effects of Dietary Crude Protein Level on Performance and Egg Quality of *Luxi* Game Chickens

CHEN Guanjun, YANG Weiren, YANG Zaibin, GAO Xiang, ZHANG Xianglun

2036 Dietary NFC/NDF Affects Expressions of *IGF- I* and *IGF- I R* Genes in the Ruminal Epithelium of Dairy Goats

ZHOU Xiangli, LIU Dacheng, SUN Ge, GAO Min, HU Honglian

2044 Nutritional Values of Corn Stalk and Soybean Stalk for Growing Rex Rabbits

SU Shuangliang, GU Zilin, LIU Yajuan, CHEN Saijuan

2050 Nutrient Apparent Digestibility of Eight Feed Ingredients for Black Carp (*Mylopharyngodon piceus* Richardson)

MING Jianhua, YE Jinyun, ZHANG Yixiang, WU Chenglong, YANG Xia, LIU Li

2059 Nutritional Analysis of Muscle Composition of Different Sizes of *Hemifusus tuba* (Gmelin)

JIANG Xiamin, JIANG Xiaomin, DU Xuexing, ZHANG Linlin

2067 *Bacillus subtilis* B1 Affects Antioxidant Function of Mice Fed a High-Fat Diet

XU Xin, MAO Yulong, LI Yali, HU Shenglan, WU Hongzhao, LI Weifen