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## 人才队伍

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## 研究员

### 武书庚

发布时间: 2022-12-12 点击量: 2400 【字体: 大 中 小】



#### 武书庚 家禽营养与饲料创新团队

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1972年出生, 中共党员, 博士, 三级研究员, 博士生导师。家禽营养与饲料创新团队首席, 北京家禽创新团队岗位专家。

#### 科研情况

长期从事家禽健康、环境健康和人民健康的营养调控研究。致力于家禽健康的评价与营养调控、禽产品品质形成机理与营养调控、饲料和饲料添加剂有效性及组配; 饲料组方与调制; 禽产品健康评价与科普。主持了支撑计划、重点研发项目课题、国家自然科学基金等课题项目。获得了省部级奖项5次。

#### 主要成果

Kai Qiu, Wei-zhen He, Hai-jun Zhang, Jing Wang, Guang-hai Qi, Naiwei Guo, Xin Zhang \*, Shu-Geng Wu \*.Bio-fermented malic acid facilitates the production of high-quality chicken via enhancing muscle antioxidant capacity of broilers. Antioxidants 2022, 11, 1684. <https://doi.org/10.3390/antiox11091684>

Obianwuna UE, Qiu K, Chang X, Zhang H, Wang J, Qi G, Sun T\*, Su Y and Wu S\* (2022) Enhancing egg production and quality by the supplementation of probiotic strains ( Clostridium and Brevibacillus ) via improved amino acid digestibility, intestinal health, immune response, and antioxidant activity. Frontiers in Microbiology . 13:987241. doi: 10.3389/fmicb.2022.987241

UCHE OBIANWUNA, Vivian Udumma Oleforuh-Okoleh, Jing Wang, Haijun Zhang, GUANG-HAI QI, Kai Qiu\* and Wu Shugeng\*.Natural Products of Plants and Animal Origin Improve Albumen Quality of Chicken Eggs. Frontiers in Nutrition,DOI: 10.3389/fnut.2022.875270

Jia Feng, Mingyuan Lu, Jing Wang, Haijun Zhang, Kai Qiu, Guanghai Qi\* and Shugeng Wu\*.Dietary oregano essential oil supplementation improves intestinal functions and alters gut microbiota in late-phase laying hens. Journal of Animal Science and Biotechnology, (2021) 12:72, <https://doi.org/10.1186/s40104-021-00600-3>.

Jian-min Zhou, Kai Qiu, Jing Wang, Hai-jun Zhang, Guang-hai Qi, Shu-geng Wu\*. Effect of dietary serine supplementation on performance, egg quality, serum indices, and ileal mucosal immunity in laying hens fed a low crude protein diet. Poultry Science,Volume 100, Issue 12, December 2021, 101465





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