

陈宏

网站简介链接地址:

<http://dkxy.nwsuaf.edu.cn/show.php?articleid=147>

陈宏，男，1955年12月生，陕西省西安市人，遗传学博士、博士后，教授（二级），现为西北农林科技大学动物遗传育种与繁殖学科、遗传学学科博士生导师、学术带头人。国务院政府特殊津贴获得者、全国优秀农业科教工作者、陕西省普通高等学校教学名师、西北农林科技大学拔尖人才支持计划入选者、西北农林科技大学“教学名师支持计划”入选者。



1. 研究方向

生物技术与家畜育种，动物分子遗传学、动物遗传资源研究。

2. 教育及研究经历

1978年2月至1981年12月：西北农业大学畜牧系畜牧专业本科，学士；

1987年至1990年：西北农业大学动物遗传育种学研究生，硕士；

1991年至1992年在德国吉森大学，作访问学者；

1992年至1996年在德国萨尔大学，遗传学博士；

1996年至1998年在德国耶拿大学，博士后；

3. 学术兼职

第四、第五届国家教育部科学技术委员会生命科学部委员、陕西省学位委员会委员、国家肉牛牦牛产业技术体系岗位专家、中国细胞生物学学会常务理事、中国畜牧兽医学动物遗传标记学分会副理事长、中国畜牧兽医学养牛学分会副理事长、中国农业生物技术学会

动物生物技术学分会理事、中国畜牧兽医学会动物遗传育种学分会理事、中国黄牛育种委员会常务理事兼副秘书长、中国肉牛经济专业委员会常务理事、中国牛业协会理事、陕西省遗传学会副理事长、陕西省秦川牛产业协会副理事长、陕西省细胞生物学学会副理事长、陕西省生物化学与分子生物学学会常务理事、《中国牛业科学》杂志主编、《遗传》、《西北农林科技大学学报》、《现代生物医学进展》、《中国组织工程研究与临床康复》、《中国草食动物》编委、西北农林科技大学学术委员会委员、第七、第八届学位评定委员会委员、西北农林科技大学生物技术中心和陕西省农业分子生物学重点实验室副主任兼动物部主任、西北农林科技大学动物科技学院党委委员、西北农林科技大学动物科技学院动科系主任、担任 *Animal Genetics*, *Molecular Biology Reports*, *Livestock Science*, *Small Ruminant Research*, *Biochemical Genetics*, *Journal of Assisted Reproduction and Genetics* 等二十余种 SCI 期刊以及《中国农业科学》、《畜牧兽医学报》、《农业生物技术学报》、《生态学报》等期刊的审稿专家。

4. 教学及成果

多年来，一直从事动物遗传、动物育种，细胞遗传、分子遗传、动物基因工程和现代生物技术等教学工作。先后承担本科《动物遗传学》、《基因工程》和《学科导论》、硕士研究生《分子遗传学》、《细胞遗传学》和《动物基因工程》，博士研究生《遗传学育种研究专题》、《现代生物技术专题》等课程。

先后编写教材和论著 12 部，其中主编面向 21 世纪全国统编教材《基因工程原理与应用》和《基因工程实验技术》、副主编全国统编教材《新编遗传学教程》、《动物分子生物学》和《动物遗传资源学》，参编全国统编教材《动物遗传学》，《现代生物技术概论》和《国外

动物生产新技术》，主编成人教育教材《动物遗传育种学》；并自编教材《动物遗传学实验指导》(本科用)、《细胞遗传学实验指导》(研究生用)和《分子遗传学实验指导》(研究生用)及《遗传学习题集》等。2006年《基因工程原理与应用》获中国农林高校优秀教材，2007年获陕西省优秀教材二等奖。2001年“动物遗传育种系列课程教学改革与实践”获陕西省教学优秀成果二等奖。2007年“遗传工程教学实验示范中心创建及开放运行机制探讨”获陕西省教学优秀成果一等奖。所负责的《动物遗传学》于2009年获得“国家级精品课程”，所负责的动物遗传学教学团队2010年获“陕西省教学团队”，2010年获得西北农林科技大学“教学名师支持计划”、2010年获得《分子遗传学》研究生优质课程支持计划。已培养硕士研究生60余名，博士研究生24名(其中1人次获“全国优秀博士学位论文提名”，1人次获“陕西省优秀博士学位论文”，多人次获得“校长优秀论文奖励基金”)；目前在读硕士研究生10名，博士研究生13名。

5. 科研及成果

多年来，一直从事肉牛、奶牛和山羊等家畜的遗传育种、分子生物学及分子生物技术方面的科学研究工作。近10年来，先后主持和参加国家863计划项目5项；主持国家自然科学基金项目4项、国家支撑计划子项目2项、国家肉牛转基因育种重大专项子课题2项，中华农业科教基金、教育部博士点基金、农业部国家肉牛产业技术体系项目、陕西省“1315”重点和省自然科学基金项目等各类科研项目30余项。

在肉牛、奶牛、奶山羊重要经济性状相关功能基因研究方面已取得了重要研究进展。已在国内外重要学术期刊发表论文300余篇，其中SCI论文120余篇。获得各类科技奖项30余次，其中获得省科技

进步一等奖 1 项、二奖 2 项，三等 2 项。陕西省自然科学优秀论文一、二、三等奖多项。2008 年“中国主要牛种经济性状分子遗传研究”通过教育部成果鉴定（第一名），2008 年“南阳牛肉用性状分子育种关键技术研究”项目通过河南省科技成果鉴定（第一名）。

多年来的研究成果分别发表在《Animal Genetics》、《Analytical Biochemistry》、《Biochemical and Biophysical Research Communications》、《General and Comparative Endocrinology》、《Genetica》、《Genetics Selection Evolution》、《Comp. Biochem. Physiol.》、《Molecular Biology》、《Molecular Biology Reports》、《Journal of Biosciences》、《Livestock Science》、《Animal Biotechnology》、《Molecular Biotechnology》、《Research in Veterinary Science》、《Small Ruminant Research》、《Biochemical Genetics》、《Canadian Journal of Animal Sciences》、《J Virol Methods》、《J. Genet》、《Veterinary Immunology and Immunopathology》、《Genetics and Molecular Biology》、《Journal of Applied Animal Research》、《Archives of Animal Breeding》、《Journal of Genetics and Genomics》、《Czech J. Anim. Sci》、《Journal of Animal and Veterinary Advances》、《Asian-Australian Journal of Animal Sciences》、《遗传学报》、《动物学报》、《中国农业科学》、《畜牧兽医学报》、《生物工程学报》、《中国生物化学与分子生物学学报》、《农业生物技术学报》等国内外重要学术刊物上。

近 5 年发表的部分论文如下：*：通讯作者

1. Li Zhang, Ai-Ling Zhang, Liang-Zhi Zhang, Qin Zhang, Chun-Lei Zhang, Xian-Yong Lan, **Hong Chen***. Association

- analysis between variants in bovine NPY gene and growth traits in Nanyang cattle (*Bos taurus*). *General and Comparative Endocrinology*, 2011, 170: 189–192. (SCI 收录)
2. F.Y.Chen, H. Niu, J.Q.Wang, C.Z.Lei, X.Y.Lan, C.L.Zhang, M.J.Li, L.S.Hua, J.Wang, **H. Chen***. Polymorphism of DLK1 and CLPG gene and their association with phenotypic traits in Chinese cattle. *Molecular Biology Reports*, 2011, 38,(1): 243-248, (SCI 收录)
 3. Yong-Zhen Huang, En-Ping Zhang, Jing Wang, Yong-Tao Huai, Liang Ma, Fu-Ying Chen, Xian-Yong Lan, Chu-Zhao Lei, Xing-Tang Fang and Ju-Qiang Wang, **Hong Chen***. A large indel mutation of the bovine ADD1/SREBP1c gene and its effects on growth traits in some native cattle breeds from China. *Molecular Biology Reports*, 2011, 38 (3): 2037-2042. (SCI 收录)
 4. Zhang Q, Zhao S, **Chen H***, Zhang L, Zhang L, Li F, Wang X..SNP discovery and haplotype analysis in the bovine PRKAA2 gene. *Mol Biol Rep*, 2011, 38(3):1551-6. (SCI 收录)
 5. J.X. Liu, G. Ren, **H. Chen***, F. Li, X.Y. Lan, M.J. Li, J.Q. Wang. Five novel SNPs of the bovine LHX4 gene and their association with growth traits in native Chinese cattle breeds. *Animal Science Papers and Reports*. 2011, 29 (1): 19-28. (SCI 收录)
 6. C.L. Zhang, Y.H. Wang, **H. Chen***, C.Z. Lei, X.T. Fang. The polymorphisms of bovine melanocortin-3 receptor pseudogene. *Research in Veterinary Science*, 2011, 90: 241-244 (SCI 收录)

7. Yonghong Pang, Juqiang Wang, Chunlei Zhang, Chuzhao Lei, Xianyong Lan, Wangping Yue, Chuanwen Gu, Danxia Chen, **Hong Chen***. The polymorphisms of bovine VEGF gene and their associations with growth traits in Chinese cattle. *Mol Biol Rep*, 2011, 38: 755–759. (SCI 收录)
8. Yonghong Pang, **Hong Chen***, Chuzhao Lei, Chunlei Zhang, Xianyong Lan, Wangping Yue, Chuanwen Gu, Danxia Chen and Juqiang Wang. Analysis of the genetic variation of VEGF gene from three cattle breeds. *Mol Biol Rep*, 2011, 38(5):3219-25. (SCI 收录)
9. Yanli Liu, Xianyong Lan, Yujiao Qu, Zhuanjian Li, Zhongqi Chen, Chuzhao Lei, Xingtang Fang, **Hong Chen***. Effects of genetic variability of the dairy goat growth hormone releasing hormone receptor (GHRHR) gene on growth traits. *Mol Biol Rep*, 2011, 38:539–544. (SCI 收录)
10. Yujiao Qu, Yanli Liu, Liang Ma, Sandra Sweeney, Xianyong Lan, Zhongqi Chen, Zhuanjian Li, Chuzhao Lei, **Hong Chen***. Novel SNPs of butyrophilin (BTN1A1) and milk fat globule epidermal growth factor (EGF) 8 (MFG-E8) are associated with milk traits in dairy goat. *Mol Biol Rep*, 2011, 38:371–377. (SCI 收录)
11. Shan Wang, Xin Cai, Kai Xue, **Hong Chen***. Polymorphisms of MRF4 and H-FABP genes association with growth traits in Qinchuan cattle and related hybrids. *Mol Biol Rep*, 2011, 38:1013–1020. (SCI 收录)

12. Y.H. Pang, C.Z. Lei, C.L. Zhang, X.Y. Lan, S. Shao, X.M. Gao, J.Q. Wang, and **H. Chen***. Lack of association of single nucleotide polymorphisms of the bovine Flt-1 gene with growth traits in Chinese cattle breeds. *Genetics and Molecular Research*, 2011, 10 (1): 359-367. (SCI 收录)
13. Y.T. Huai, X.Y. Lan, L. Ma, J. Wang, C.Z. Lei, C.L. Zhang, J.Q. Wang, **H. Chen***. Novel Mutation in TGA Stop-Codon of Bovine SIX6 Gene. *Molecular Biology*, 2011, 45(2): 190-196. (SCI 收录)
14. Zhongqi Chen, Jiajie Sun, Zhuanjian Li, Xianyong Lan, Chunlei Zhang, Yujiao Qu, Yanli Liu, Xingtang Fang, Chuzhao Lei and **Hong Chen***. Novel SNPs in the caprine stearyl-CoA desaturase (SCD) and decorin (DCN) genes that are associated with growth traits in Chinese goat breeds. *Molecular Biology Reports*, 2011, 38(5): 3121-3127. (SCI 收录)
15. L. Ma, Y.J. Qu, Y.T. Huai, Z.J. Li, J. Wang, X.Y. Lan, .L. Zhang, J.Q. Wang and **H. Chen***. Polymorphisms identification and associations of KLF7 gene with cattle growth traits. *Livestock Science*, 2011, 135 (1):1-7. (SCI 收录)
16. Yong-Zhen Huang, Hua He, Jia-Jie Sun, Jing Wang, Zhuan-Jian Li, Xian-Yong Lan, Chu-Zhao Lei, Chun-Lei Zhang, En-Ping Zhang, Ju-Qiang Wang and **Hong Chen***. Haplotype combination of SREBP-1c gene sequence variants is associated with growth traits in cattle. *Genome*, 2011, 54: 507-516. (SCI 收录)
17. L Qu, J X. Liu, M J Yang, Y Zhang, M J Li, L Z Zhang, X Y Lan, C Z. Lei, **H Chen***. SNPs in the coding region of bovine

- MGAT2 gene associate with body weight. *Genes & Genomics*, 2011, 33: 267-272. (SCI 收录)
18. Liushuai Hua, Jing Wang, Fuying Chen, Shenrong Hu, **Hong Chen***. The peroxisome proliferators-activated receptor gamma (PPARG) gene polymorphisms and associations with body measurements of cattle. *African Journal of Biotechnology*, 2011, 10(14): 2785-2790. (SCI 收录)
 19. P. Wang, Q. W. Xu, X. Y. Lan, Z. J. Li, M.J. Li, X. T. Fang, M. X. Li and R. J. Liu **Hong Chen***. A novel EcoRII PCR-RFLP detecting genetic variation of goat NF1-C2 gene and its association with milk yield (Brief Report). *Archiv Tierzucht*, 2011, 54(2): 224-226. (SCI 收录)
 20. Han, R.L., Li, Z.J., Li, M.J., Li, J.Q., Lan, X.Y., Sun, G.R., Kang, X.T., **Chen, H***. Novel 9-bp indel in visfatin gene and its associations with chicken growth. *British Poultry Science*, 2011, 52: 52 - 57. (SCI 收录)
 21. Limin Shan, Jiayi e Sun, Chunlei Zhang, Xingtang Fang, Chuzhao Lei, Xianyong Lan, **Hong Chen***. The polymorphisms of bovine PCSK1 Gene and their associations with cattle (*Bos taurus*) growth traits. *Genes & Genomics* (2011) 33: 65-71. (SCI 收录)
 22. Aijun Lu, Xiucan Hu, **Hong Chen***, Yongjun Dong, Yonghong Pang. Single nucleotide polymorphisms of the prolactin receptor (PRLR) gene and its association with growth traits in chinese cattle. *Mol Biol Rep*, 2011, 38:261–266 (SCI 收录)

23. Q. J. Jin, J. J. Sun, X. T. Fang, C. L. Zhang, L. Yang, D. X. Chen, X. Y. Shi, Y. Du, X. Y. Lan and **H. Chen***. Molecular characterization and polymorphisms of the caprine Somatostatin (SST) and SST Receptor 1 (SSTR1) genes that are linked with growth traits *Molecular Biology Reports*, 2011, 38 (5): 3129-3135 (SCI 收录)
24. Jiajie Sun, Qijiang Jin, Chunlei Zhang, Xingtang Fang, Chuanwen Gu, Chuzhao Lei, Juqiang Wang and **Hong Chen***. Polymorphisms in the bovine ghrelin precursor (GHRL) and Syndecan-1 (SDC1) genes that are associated with growth traits in cattle. *Molecular Biology Reports*, 2011,38(5): 3153-3160. (SCI 收录)
25. Wangping Yue, Xingtang Fang, Chunlei Zhang, Yonghong Pang, Haixia Xu, Chuanwen Gu, Ruying Shao, Chuzhao Lei and **Hong Chen***. Two novel SNPs of the ABCG2 gene and its associations with milk traits in Chinese Holsteins. *Molecular Biology Reports*, 2011, 38(5): 2927-2932. (SCI 收录)
26. Jiajie Sun, Chunlei Zhang, Xingtang Fang, Chuzhao Lei, Xianyong Lan, **Hong Chen***. The polymorphism of bovine FIT gene and its associations with cattle (*Bos taurus*) growth traits. *Animal Science Papers and Reports*, 2010, 29(2): 99-107. (SCI 收录)
27. Aijun Lu, Xiucan Hu, **Hong Chen**, Yongjun Dong, Yanhua Zhang, Xiuqin Wang. Novel SNPs of the Bovine PRLR Gene Associated with Milk Production Traits. *Biochemical Genetics*, 2011, 29(3-4): 177-189. (SCI 收录)

28. Shan Wang, Chunyan Tian, Tingtiang Xiao, Guichun Xing, Fuchu He, Lingqiang Zhang, Hong **Chen***. Differential regulation of Apak by various DNA damage signals. *Mol Cell Biochem*, 2010, 333:181-187. (SCI 收录).
29. J. Q. Zhang, **H. Chen***, Z. J. Sun, X. L. Liu, Y. Z. Qiang-Ba and Y. L. Gu. Flesh color association with polymorphism of the tyrosinase gene in different Chinese chicken breeds. *Molecular Biology Reports*, 2010, 37(1): 165-169. (SCI 收录)
30. G. Ren, **H. Chen***, L. Z. Zhang, X. Y. Lan, T. B. Wei, M. J. Li, Y. J. Jing, C. Z. Lei and J. Q. Wang. A coding SNP of LHX4 gene is associated with body weight and body length in bovine. *Molecular Biology Reports*, 2010, 37(1):417-422(SCI 收录)
31. Qin Zhang, **Hong Chen***, Sheng Zhao, Li Zhang, Liangzhi Zhang and Xueming Wang. Polymorphisms in the promoter region of bovine PRKAB1 gene. *Molecular Biology Reports*, 2010, 37(1): 435-440. (SCI 收录)
32. Xianyong Lan, Xinsheng Lai, Zhuanjian Li, Jing Wang, Chuzhao Lei and **Hong Chen***. Effects of genetic variability of the carpine homeobox transcription factor HESX1 gene on performance traits *Molecular Biology Reports*, 2010, 37(1): 441-449 (SCI 收录)
33. F. Li, **H. Chen***, C. Z. Lei, G. Ren, J. Wang, Z. J. Li and J. Q. Wang. Novel SNPs of the bovine GAD1/gad67 gene and their association with growth traits in three native Chinese cattle breeds. *Molecular Biology Reports*, 2010, 37(1): 501-505 (SCI 收录)

34. F. Li, H. Chen*, C. Z. Lei, G. Ren, J. Wang, Z. J. Li and J. Q. Wang. Novel SNPs of the bovine NUCB2 gene and their association with growth traits in three native Chinese cattle breeds. *Molecular Biology Reports*, 2010, 37(1): 541-546. (SCI 收录)
35. Zhuanjian Li, Zhongqi Chen, Xianyong Lan, Liang Ma, Yujiao Qu, Yanli Liu, Mijie Li, Ping Wang, Fei Li and **Hong Chen***. Two novel cSNPs of weaver gene in Chinese indigenous goat and their associations with milk yield. *Molecular Biology Reports*, 2010, 37(1): 563-569. (SCI 收录)
36. J. Wang, Z. J. Li, X. Y. Lan, L. S. Hua, Y. T. Huai, Y. Z. Huang, L. Ma, M. Zhao, Y. J. Jing, **H. Chen*** and J. Q. Wang. Two novel SNPs in the coding region of the bovine PRDM16 gene and its associations with growth traits. *Molecular Biology Reports*, 2010, 37(1): 571-577. (SCI 收录)
37. Ai-ling Zhang, Li Zhang, Liang-zhi Zhang, **Hong Chen***, Xian-yong Lan, Chun-lei Zhang, Cun-fang Zhang. An efficient and rapid method for gene cloning from eukaryotic genomic DNA using overlap-PCR: With an example of cattle Ghrelin gene. *Biochemical and Biophysical Research Communications*, 2010, 391: 1490-1493. (SCI 收录)
38. X. Cai, **H. Chen***, C. Lei. Matrilineal genetic inter-introgression of *Bos taurus* and *Bos indicus* in China. *Livestock Science*, 2010, 128: 12–19. (SCI 收录)
39. Chuanying Pan, Baisong Lu, **Hong Chen***, Colin E. Bishop*. Reprogramming human fibroblasts using HIV-1 TAT recombinant

- proteins OCT4, SOX2, KLF4 and c-MYC. *Mol Biol Rep*, 2010, 37: 2117–2124. (SCI 收录)
40. Han, R.L., Lan, X.Y., Zhang, L.Z., Ren, G., Jing, Y.J., Li, M.J., Zhang, B., Zhao, M., Guo, Y.K., Kang, X.T., **Chen, H***. A novel single-nucleotide polymorphism of the visfatin gene and its associations with performance traits in the chicken. *J Appl Genet*, 2010, 51, 59-65. (SCI 收录)
41. Shangang Jia, Yan Zhou, Chuzhao Lei, Xiuqing Zhang, Ru Yao, Zhiying Zhang, Xingtang Fang, **Hong Chen***. A new insight into cattle's maternal origin in six Asian countries. *Journal of Genetics and Genomics*, 2010, 37: 173-180. (SCI 收录)
42. Chuanying Pan, Amy Hicks, **Hong Chen***, Colin E. Bishop*. SNL fibroblast feeder layers support derivation and maintenance of human induced pluripotent stem cells. *Journal of Genetics and Genomics*, 2010, 37: 241–248. (SCI 收录, IF=0.814)
43. Y-Z.Huang, E-P.Zhang, **H.Chen***, J.Wang, Z-J.Li, Y-T.Huai, L.Ma, X-Y.Lan, G.Ren, C-Z.Lei, X-T.Fang, J-Q.Wang. Novel 12-bp deletion in the coding region of the bovine NPM1 gene affects growth traits. *J Appl Genet*, 2010, 51(2): 199–202. (SCI 收录)
44. J. Q. Zhang, **H. Chen***, Z. J. Sun, X. L. Liu, Y. Z. Qiang-Ba, Y. L. Gu. Genetic Variation of the Peroxisome Proliferator-Activated Receptor a Gene PPARA) in Chickens Bred for Different Purposes. *Biochem Genet*, 2010, 48: 465-471. (SCI 收录).

45. Fuying Chen, **Hong Chen***, Juqiang Wang, Hui Niu, Xiangyong Lan, Lius huai Hua, Zhuangjian, Li, Chuzhao Lei and Xingtang Fang。 MEF2A Gene Polymorphisms are Associations with growth traits in Chinese Indigenus Cattle Breeds. Journal of animal and veterinary advances, 2010, 9(4): 814-819. (SCI 收录)
46. Yongzhen Huang, Enping Zhang, **Hong Chen***, Jing Wang, Yongtao Huai , Xianyong Lan, Liang Ma, Zhuanjian Li, Gang Ren, Fuying Chen, Chuzhao Lei, and Juqiang Wang. Two Novel Coding Snps Of Srebp1 Gene Are Associated With Body Weight And Average Daily Gain In Bovine. Animal Biotechnology, 2010, 21: 170–178. (SCI 收录)
47. Yongzhen Huang, Enping Zhang, Zhuanjian Li, Jing Wang, Yongtao Huai, Liang Ma, Fuying Chen, Xianyong Lan, Chuzhao Lei, Juqiang Wang, Xingtang Fang and **Hong Chen***。 Six novel coding SNPs of the nucleophosmin 1 (NPM1) gene and their associations with growth traits in bovine (Brief Report). Archiv Tierzucht, 2010, 53 (3), 368-371。 (SCI 收录)
48. Wang M., Lai X., Yu H., Wang J., Chen Z.-Q., Lan X.-Y., Lei C.-Z. and **Chen H***. Two novel single nucleotide polymorphisms (SNPs) and 4-bp deletion mutation of RBP4 gene in Chinese cattle. J. Genet. 2010, 89(2): 233–236. (SCI 收录)
49. Liu Wu-Jun, Fang Guang-Xin, Fang yi, Tian Ke-Chuan, Huang Xi-Xia, Yao Xin-Kui, Wang Mou, Yu Hui, Huang Yong-Zhen, Xin Jing-Jing, Xia Ya-Ping, Yu Shi-Gang, **Chen Hong***. The polymorphism of a mutation of IGF-1 Gene on Two Goat breeds in

- China. Journal of Animal and Veterinary Advances, 2010.9(4):790-794. (SCI 收录)
50. Pan C, Lan X, **Chen H**, Bishop CE. An economical single-sided antibody incubation method for Western blotting. *J Virol Methods*, 2010, 169(2): 409-11. (SCI 收录)
 51. Jiajie Sun, Chunlei Zhang, **Hong Chen***, Xingtang Fang, Qijiang Jin, Danxia Chen, Xiuying Shi and Yu Du. Two novel SNPs in coding region of the caprine Fat-inducing transcript gene and their association with growth traits. *Molecular Biology Reports*, 2010, 37 (1) : 485-490. (SCI 收录)
 52. Aijun Lü, Xiucan Hu, **Hong Chen***, Jihong Jiang, Chunlei Zhang, Haixia Xu and Xueyuan Gao. Single nucleotide polymorphisms in bovine PRL gene and their associations with milk production traits in Chinese Holsteins. *Molecular Biology Reports*, 2010, 37 (1) : 547-551. (SCI 收录)
 53. Xingtang Fang, Haixia Xu, Chunlei Zhang, Jingmin Zhang, Xianyong Lan, Chuanwen Gu, **Hong Chen***. Polymorphisms in BMP-2 gene and their associations with growth traits in goats. *Genes & Genomics*, 2010, 32: 29-35. (SCI 收录)
 54. Fang Xing-Tang, Xu Hai-Xia, **Chen Hong***, Zhang Chun-Lei, Hu Xiu-Cai, Gao Xue-Yuan, Gu Chuan-Wen, Yue Wang-Ping and Lan Xian-Yong. Polymorphisms of Bone Morphogenetic Protein 4 (BMP4) Gene in Goats. *Journal of animal and veterinary advances*, 2010, 9 (5) : 907-912. (SCI 收录)

55. J.J. Sun, C.W. Gu, C.L. Zhang, C.Z. Lei, X.T. Fang, Q.J. Jin, D.X.Chen, X.Y. Shi, Y. Du, **H. Chen***. Association Of Polymorphisms Of The Dcn Gene With Growth Traits In Cattle. *Archiv Tierzucht (Achvie Of Animal Breeding)* , 2010, 53 (1), 119-121. (SCI 收录).
56. Q.J. Jin, X.T. Fang, C.L. Zhang, L. Yang, J.J. Sun, D.X. Chen, X.Y. Shi, Y. Du, X.Y. Lan and **H. Chen***. Polymorphism of the VEGF gene and its association with growth traits in four goat breeds. *South African Journal of Animal Science* 2010, 40 (1): 33-40.(SCI 收录).
57. Q.J. Jin, X.T. Fang, C.L. Zhang, L. Yang, J.J. Sun, D.X. Chen, X.Y. Shi, Y. Du, X.Y.Lan, H. Chen. A novel SNP of the GHRL gene in goat and its association with growth traits. *Small Ruminant Research*, 2010, 90: 150–152. (SCI 收录).
58. Bin Bao, Chunlei Zhang, Xingtang Fang, Runfeng Zhang, Chuanwen Gu, Chuzhao Lei, **Hong Chen***. Association between polymorphism in STAT5A gene and milk production traits in Chinese Holstein cattle. *Animal Science Paper and reports*, 2010, 28(10): 5-11(SCI 收录).
59. Qijiang Jin, Xing Tang Fang, Liu Yang, Chun Lei Zhang, Jia Jie Sun, Dan Xia Chen, X. Y. Shi, Yu Du, Chuchao Lei and **Hong Chen***. Novel SNPs of the Caprine Growth Hormone Secretagogue Receptor (GHSR) Gene and Their Association with Growth Traits in Goats. *Biochemical Genetics*, 2010, 48(9-10), 847-856, (SCI 收录)

60. Chun-Lei Zhang, Xue-Yuan Gao, Ru-Ying Shao, Yan-Hong Wang, Xing-Tang Fang and **Hong Chen***. Stearoyl-CoA Desaturase (SCD) Gene Polymorphism in Goat Breeds. *Biochemical Genetics*, 2010, 48(9-10): 822-828. (SCI 收录)
61. Jiajie Sun, Chunlei Zhang, Xingtang Fang, Chuzhao Lei, Xianyong Lan, and **Hong Chen***. Novel single nucleotide polymorphisms of the caprine PC1 gene and association with growth traits. *Biochemical Genetics*, 2010, 48: 779-788. (SCI 收录).
62. D.X. Chen, Q.J. Jin, X.T. Fang, C.L. Zhang, J.J. Sun, X.Y. Shi, Y. Du, X.Y. Lan, **H. Chen***. Analysis of the polymorphisms in the caprine PRDM16, SHH and SF-1 genes and their association with production traits in goats. *Small Ruminant Research*, 2010, 93: 193-197. (SCI 收录).
63. Bifang Hao, Jinshan Huang, Xiulian Sun, Fei Deng, Yanfang Zhang, Hualin Wang, **Hong Chen*** and **Zhihong Hu***. Variants of open reading frame Bm126 in wild-type Bombyx mori nucleopolyhedrovirus isolates exhibit functional differences. *Journal of General Virology*, 2009, 90: 153-161. (SCI 收录)
64. Qin Zhang, Sheng Zhao, **Hong Chen***, Xiaolin Liu, Li Zhang, Fei Li. Analysis of the codon use frequency of AMPK family genes from different species. *Molecular Biology Reports*, 2009, 36: 513-519. (SCI 收录).
65. L.Z.Zhang, **H. Chen***, X.Y. Lan, C.F.Zhang, L.Zhang, A.L.Zhang , C.L.Zhang, Q.Zhang, C.L. Zhang, H.Y.Zhang, X.C.Hu.

- The novel 5bp deletion polymorphism in the promoter region of bovine ACRP30 gene. *Molecular Biology Reports*, 2009, 36(5): 895-899. (SCI 收录)
66. X-Y. Lan, Ch-Y. Pan, **H. Chen***, Ch-Z. Lei, F-Y. Li, H-Y. Zhang, Y-S. Ni. Novel SNP of the goat prolactin gene (PRL) associated with cashmere traits. *J Appl Genet*, 2009, 50(1): 51–54. (SCI 收录)
67. X. Y. Lan, M. J. Li, **H. Chen**, L. Z. Zhang, Y. J. Jing, T. B. Wei, G. Ren, X. Wang, X. T. Fang, C. L. Zhang, C. Z. Lei*. Analysis of caprine pituitary specific transcription factor-1 gene polymorphism in indigenous Chinese goats. *Molecular Biology Reports*, 2009, 36: 705-709. (SCI 收录)
68. Xianyong Lan, Tianbao Wei, Liangzhi Zhang, **Hong Chen***, Shenrong Hu, Chuzhao Lei, Xing Tang Fang. Novel Polymorphism at the 30 UTR of the Caprine Adiponectin Gene. *Biochem Genet*, 2009, 47: 251-256. (SCI 收录)
69. M. Zhao, **H. Chen***, X. Wang, H. Yu, M. Wang, J. Wang, X. Y. Lan, C. F. Zhang, L. Z. Zhang, Y. K. Guo, B. Zhang, S. R. Hu. aPCR-SSCP and DNA sequencing detecting two silent SNPs at KAP8.1 gene in the cashmere goat. *Mol Biol Rep*, 2009, 36:1387–1391. (SCI 收录)
70. Xinlei Wang, Xianyong Lan, Xinsheng Lai, Keyi Wang, Hui Yu, Mou Wang, Yikun Guo, Chuzhao Lei And **Hong Chen***. A novel mutation of the GLI2 gene associated with body weight in bovine (*Bos taurus*) (Brief Report). *Archiv Tierzucht*, 2009, 52(3): 334-336. (SCI 收录)

71. X.Y. Lan, J.H. Shu, **H. Chen***, C.Y. Pan, C.Z. Lei, X. Wang, S.Q. Liu, Y.B. Zhang. A PstI polymorphism at 3'UTR of goat POU1F1 gene and its effect on cashmere production. *Molecular Biology Reports*, 2009, 36:1371–1374. (SCI 收录)
72. M. Wang, H. Yu, **H. Chen***, X. Y. Lan, L. Z. Zhang, M. Zhao, X. S. Lai, X. L. Wang, K. Y. Wang, C. Z. Lei, Juqiang Wang. Novel 35-bp insertion in visfatin gene in Chinese cattle. *Molecular Biology*, 2009, 43 (4) : 557–561. (SCI 收录)
73. Chunlei Zhang, Bo Liu, **Hong Chen***, Xianyong Lan, Chuzhao Lei, Zhiqing Zhang, Runfeng Zhang. Associations of a Hinfl PCR-RFLP of POU1F1 Gene with Growth Traits in Qinchuan Cattle. *Animal Biotechnology*, 2009, 20(2): 71 – 74. (SCI 收录)
74. Xinsheng Lai, Xianyong Lan, **Hong Chen***, Xinlei Wang, Keyi Wang, Mou Wang, Hui Yu, Miao Zhao. A novel SNP of the Hesx1 gene in bovine and its associations with growth traits. *Molecular Biology Reports*, 2009, 36:1677–1681. (SCI 收录)
75. Chun-Lei Zhang, Yan-Hong Wang, **Hong Chen***, Xian-Yong Lan, Chu-Zhao Lei, Xing-Tang Fang. Association between variants in the 5'-untranslated region of the bovine MC4R gene and two growth traits in Nanyang cattle. *Molecular Biology Reports*, 2009, 36: 1839–1843. (SCI 收录)
76. Bao Zhang, **Hong Chen***, Yikun Guo, Liangzhi Zhang, Miao Zhao, Xianyong Lan, Chunlei Zhang , Chuanying Pan, Shenrong Hu, Juqiang Wang Chuzhao Lei. Associations of polymorphism

- within the GHSR gene with growth traits in Nanyang cattle.
Molecular Biology Reports, 2009, 36: 2259–2263. (SCI 收录)
77. X.Y. Lan, C.Y. Pan, J.Y. Li, Y.W. Guo, S. Hu, J. Wang, Y.B. Liu, S.R. Hu, C.Z. Lei, **H. Chen***. Twelve novel SNPs of the goat POU1F1 gene and their associations with cashmere traits. Small Ruminant Res, 2009, 85: 116-121. (SCI 收录)
78. Xianyong Lan, Chuanying Pan, Liangzhi Zhang, Miao Zhao, Chunlei Zhang, Chuzhao Lei, **Hong Chen***. A novel missense (A79V) mutation of goat PROP1 gene and its association with production traits. Molecular Biology Reports, 2009, 36: 2069–2073. (SCI 收录)
79. C. Z. Lei, R. Su, M. A. Bower, C. J. Edwards, X. B. Wang, S. Weining, L. Liu, W. M. Xie, F. Li, R. Y. Liu, Y. S. Zhang, C. M. Zhang and **H. Chen***. Multiple maternal origins of native modern and ancient horse populations in China. Animal Genetics, 2009, 40, 933–944 (SCI 收录)
80. X.Y. Lan, C.Y. Pan, C.L. Zhang, S.R. Hu, S.Q. Liu, Y.B. Zhang, C.Z. Lei, **H. Chen***. Relationships Between Polymorphisms of IGFBP-3 Gene and Cashmere Traits in Cashmere Goats. J. Appl. Anim. Res., 2009, 35: 29-32. (SCI 收录)
81. Qin Zhang, **Hong Chen***, Sheng Zhao, Li Zhang, Liangzhi Zhang, Fei Li, Xueming Wang. Single Nucleotide Polymorphisms and Haplotypic Diversity in the Bovine PRKAB1 Gene. Mol Biotechnol, 2009, 43:193–199. (SCI 收录)

82. ChunLei Zhang, YanHong Wang, **Hong Chen***, ChuanWen Gu, XingTang Fang. SLC11A1 gene polymorphisms are not associated to somatic cell score and milk yield in Chinese Holstein. *Veterinary Immunology and Immunopathology*, 2009, 127: 389–392. (SCI 收录).
83. Xingtang Fang, Haixia Xu, Chunlei Zhang, **Hong Chen***, Xiucai Hu, Xueyuan Gao, Chuanwen Gu, Wangping Yue. Polymorphism in BMP4 gene and its association with growth traits in goats. *Molecular Biology Reports*, 2009, 36: 1339–1344. (SCI 收录)
84. Xiucai Hu, Aijun Lü, **Hong Chen***, Xueyuan Gao, Haixia Xu, Chunlei Zhang, Xingtang Fang. Preliminary Evidence for Association of Prolactin and Prolactin Receptor Genes with Milk Production Traits in Chinese Holsteins. *J. Appl. Anim. Res*, 2009, 36: 213-217. (SCI 收录)
85. Li Zhang, Weihua Du, Xiukun Lin, Ailing Zhang, **Hong Chen***. Progesterone and 17 β -estradiol, but not follicle stimulating hormone, alter the sex ratio of murine embryos in vitro. *Theriogenology*, 2008, 69(8):961-966. (SCI 收录)
86. B. Zhang, **H. Chen***, Y.K. Guo, L.Z. Zhang, M. Zhao, X.Y. Lan, C.Z. Lei, X.Z. Wang. Five novel single nucleotide polymorphisms (SNPs) of ghrelin receptor (GHSR) gene were found in bovine (Brief report). *Arch. Tierzucht (Archives of Animal Breeding)*, 2007, 50 (6): 630-631. (SCI 收录)
87. M. Zhao, X. Wang, **H. Chen***, X.Y. Lan, Y.K. Guo, J.Y. Li, T.B. Wei, Y.J. Jing, S.Q. Liu, M.H. Zhang, Q.W. Gao.

The PCR-SSCP and DNA sequencing methods detecting a large deletion mutation at KAP6.2 locus in the cashmere goat. *Small Ruminant Research*, 2008, 75: 243–246. (SCI 收录).

88. Bao Zhang, **Hong Chen***, Liushuai Hua, Chunlei Zhang, Xiangtao Kang, Xinzhuang Wang, Chuanying Pan, Xianyong Lan, and Chuzhao Lei. Novel SNPs of the mtDNA ND5 Gene and their Associations with Several Growth Traits in Nanyang Cattle Breeds. *Biochemical Genetics*, 2008, 46:362–368 (SCI 收录)
89. C.L. Zhang, **H. Chen***, Y.H. Wang, R. F. Zhang, X.Y. Lan, C.Z. Lei, L. Zhang, A.L. Zhang, and S.R. Hu. Association of a Missence Mutation in Serotonin Receptor 1B (HTR1B) Gene with Milk Production Traits. *Research in Veterinary Science*, 2008, 85: 265–268. (SCI 收录)
90. C.Y. Pan, X.Y. Lan, **H. Chen***, X.T. Kang, X.Z. Wang, D.Y. Yang, L.S. Hua, X.B. Yang, C.Z. Lei, X.T. Fang. A TaqI PCR-RFLP detecting a novel nucleotide sequence polymorphism in exon 2 of bovine POU1F1 gene. *Biochemical Genetics*, 2008, 46:424–432. (SCI 收录, IF= 0.876)
91. J. Y. Li, **H. Chen***, X. Y. Lan, X. J. Kong, L. J. Min. Genetic diversity of five Chinese goat breeds assessed by microsatellite markers. *Czech Journal of Animal Science*, 2008, 53(8): 315–319. (SCI 收录, IF=0.633) (SCI 收录)
92. Cunfang Zhang, **Hong Chen***, Liangzhi Zhang, Miao Zhao, Yikun Guo, Chunlei Zhang, Xianyong Lan, Shenrong Hu. Association of mutations of the GHRHR gene with growth traits in

- cattle(Brief report). Arch. Tierzucht, 2008, 51 (3), 300-301 (SCI 收录)
93. Chunlei Zhang, **Hong Chen***, Yanhong Wang, Xianyong Lan, Chuzhao Lei, Xingtang Fang. The polymorphisms of bovine CART gene and their associations with cattle growth traits. Journal of Biosciences, 2008, 33: 365–370. (SCI 收录)
94. M.J. Li, X.Y. Lan, **H. Chen***, L.Z. Zhang, Y.J. Jing, G. Ren, T.B. Wei, X. Wang. The novel missense mutation of goat LHX4 gene, Small Ruminant Research , 2008, 79: 109–112. (SCI 收录)
95. Weibin SUN, **Hong CHEN***, Chuzhao LEI, Xueqin LEI, Yinghan ZHANG. Genetic variation in eight Chinese cattle breeds based on the analysis of microsatellite markers. Genetics Selection Evolution, 2008, 40: 681–692. (SCI 收录)
96. H. Yu, X. Wang, **H. Chen***, M. Wang, M. Zhao, X.Y. Lan, C.Z. Lei, K.Y.Wang, X.S. Lai, X.L.Wang. The polymorphism of a novel 30 bp-deletion mutation at KAP9.2 locus in the cashmere goat. Small Ruminant Research, 2008, 80: 111–115. (SCI 收录)
97. C.Y. Pan, X.Y. Lan, **H. Chen***, D.Y. Yang, L.S. Hua, X.B. Yang, C.Z. Lei, Y.K. Guo, B. Zhang, C.L. Zhang, X.T. Kang And X.Z. Wang. A DdeI PCR-RFLP detecting a novel missense mutation of POU1F1 gene showed no effects on growth traits in cattle. Czech J. Anim. Sci., 2008, 53 (12): 523–527. (SCI 收录)
98. Yikun Guo, **Hong Chen***, Xianyong Lan, Bao Zhang, Chuanying Pan, Liangzhi Zhang, Cunfang Zhang Miao Zhao. Novel SNPs of

- the Bovine LEPR Gene and Their Association with Growth Traits. *Biochem Genet*, 2008, 46:828–83. (SCI 收录)
99. Guiming Zhu, Hongxing Chen, Xiaojie Wu, Yanrong Zhou, Jianshen Lu, **Hong Chen**, Jixian Deng. A modified n–3 fatty acid desaturase gene from *Caenorhabditis briggsae* produced high proportion of DHA and DPA in transgenic mice. *Transgenic Res* (2008) 17:717–725 (SCI 收录)
100. Jing Y J, Lan XY, **Chen H***, Zhang L Z, Zhang C L, Pan C Y, Li M J, Ren G, Wei T B and Zhao M. Three novel single-nucleotide polymorphisms of the bovine LHX3 gene; *J. Biosci*, 2008, 33: 673–679. (SCI 收录)
101. Xianyong Lan, Chuanying Pan, Shenrong Hu, **Hong Chen***. PCR-SSCP and Hin6I PCR-RFLP detecting novel anonymous SNPs within ovine PROP1 gene (Brief report). *Arch. Tierz*, 2008, 51(6): 622-623. (SCI 收录)
102. **CHEN Hong***, CAI Xin, LEIChu-zhao, FANG Xing-tang, ZHU Bi-cai, ZHANG Bao. *Bos taurus* and *Bos indicus*: the Main Ancestress of Cattle Breeds in China Revealed by mtDNA Diversity(Abstract). *Cell Research*, 2006,16: S109. (SCI 收录)
103. Xin Cai, **Hong Chen***, Chuzhao Lei, Shan Wang, Kai Xue, Bao Zhang. mtDNA diversity and genetic lineages of eighteen cattle breeds from *Bos taurus* and *Bos indicus* in China. *Genetica*. 2007, 131:175–183 (SCI 收录)
104. ChunLei Zhang, Yanhong Wang, **Hong Chen***, Xianyong Lan and Chuzhao Lei,. Enhance the Efficiency of Single-Strand

- Conformation Polymorphism Analysis by short Polyacrylamide Gel and Quick Low-Background Silver Staining. *Analytical Biochemistry*, 2007, 365: 286–287. (SCI 收录)
105. C. Z. Lei, W. Zhang , **H. Chen***, F. Lu, R. Y. Liu , X. Y. Yang, H. C. Zhang , Z. G. Liu, L. B. Yao, Z. F. Lu and Z. L. Zhao. Independent maternal origin of Chinese swamp buffalo (*Bubalus bubalis*), *Animal Genetics*, 2007, 38(2): 97-102. (SCI 收录)
106. Chu-Zhao Lei, Wei Zhang, **Hong Chen**, Fan Lu, Qing-Lan Ge, Ruo-Yu Liu , Rui-Hua Dang, Yun-Yi Yao, Li-Bo Yao Zi-Fan Lu , Zhong-liang Zhao. Two maternal lineages revealed by mtDNA D-loop sequences in Chinese Native Water Buffaloes (*Bubalus bubalis*). *Asian-Australasian Journal of Animal Sciences*, 2007, 20(4): 471-476. (SCI 收录)
107. Chu-Zhao Lei, Qing-Lan Ge, Hu-Cai Zhang, Ruo-Yu Liu, Wei Zhang, Yong-Qing Jiang, Rui-Hua Dang, Hui-Ling Zheng, Wen-Tong Hou, **Hong Chen***. African maternal origin and genetic diversity of Chinese domestic donkeys. *Asian-Australian Journal of Animal Sciences*, 2007, 20 (5): 645-652. (SCI 收录)
108. R. F. Zhang, **H. Chen***, C. Z. Lei, X. T. Fang, Y. D. Zhang, S. R. Hu, L. H. Su. Association between PCR-RFLP Polymorphisms of Five Gene Loci and Milk Traits in Chinese Holstein. *Asian-Aust. J. Anim. Sci*, 2007, 20 (2) : 166–171. (SCI 收录)
109. R. F. Zhang, **H Chen***, C. Z. Lei, C. L. Zang, X. Y. Lan, Y. D. Zhang, H. J. Zhang, B. Bao, H. Niu, X. Z. Wang. Association between polymorphisms of MSTN and MYF5 genes and growth

- traits in three Chinese cattle breeds. *Asian-Australian Journal of Animal Science*, 2007, 20 (12) : 1798-1804. (SCI 收录)
110. Wang X, **Chen H***, Lei C Z. Genetic diversity and phylogenetic analysis of the mtDNA D-loop region in Tibetan sheep. *Asian-Australasian Journal of Animal Sciences*, 2007, 20 (3): 313-317. (SCI 收录)
111. X. Wang, Y.H. Ma, **H. Chen*** and W.J. Guan. Genetic and phylogenetic studies of Chinese native sheep breeds (*Ovis aries*) based on mtDNA D-loop sequences. *Small Ruminant Research*, 2007, 72: 232-236. (SCI 收录)
112. L Zhang, A L Zhang, **H Chen***, C L Zhang, L Z Zhang, Z Y Zhu, C Z Lei, X Y Lan And X Z Wang. Eleven single nucleotide polymorphisms (SNPs) were found at coding region of hypocretin receptor1 (HCRTR1) gene in cattle. *Arch. Tierz., (Archives of Animal Breeding)*, 2007, 50 (2) : 220-222. (SCI 收录)
113. X.Y. Lan, C.Y. Pan, **H. Chen***, C.L. Zhang, A.L. Zhang, L. Zhang, J.Y. Li, C.Z. Lei. An MspI PCR-RFLP detecting a single nucleotide polymorphism at alpha-lactalbumin gene in goat. *Czech J. Anim. Sci.*, 2007, 52 (5): 138–142. (SCI 收录)
114. X Y LAN, C Y PAN, **H CHEN***, M Zhao, J Y Li, J Yu , C L Zhang, C Z Lei, L S Hua and Xiaob Y B. The novel SNPs of the IGFBP3 gene and their associations with litter size and weight traits in goat. *Archives of Animal Breeding*, 2007, 50(2): 223-224. (SCI 论文,).

115. X. Y. Lan, C. Y. Pan, **H. Chen***, and C. Z. Lei. A DdeI PCR-RFLP detecting genetic variation of goat POU1F1 gene. Canadian Journal of Animal Science, 2007, 87(1):13-14 (SCI 收录)
116. X.Y. Lan, **H. Chen***, C. Y. Pan, L.J. Ming, C.Z. Lei, L.S. Hua, C.L. Zhang, S.R. Hu. Polymorphism in Growth Hormone Gene and its Association with Production Traits in Goats. Journal of Applied Animal Research, 2007, 32: 55-60 (SCI 收录)
117. X.Y. Lan, C.Y. Pan, **H. Chen***, C.Z. Lei, L.S. Hua, X.B. Yang, Q.Y. Qiu, R.F. Zhang, Y.Z. Lun, L.J. Ming. DdeI polymorphism in coding region of goat POU1F1 gene and its association with production traits. Asian-Australian Journal of Animal Science, 2007, 20 (9) : 1342-1348 (SCI 收录, IF=0.875)
118. X.Y. Lan, C.Y. Pan, **H. Chen***, C.L. Zhang, J.Y. Li, M. Zhao, C.Z. Lei, A.L. Zhang, L. Zhang. An AluI PCR-RFLP detecting a silent allele at the goat POU1F1 locus and its association with production traits. Small Ruminant Research, 2007, 73: 8-12.(SCI 收录)
119. X.Y. Lan, C.Y. Pan, **H. Chen***, C.Z. Lei, S.Q. Liu, Y.B. Zhang, L.J. Min, J. Yu, J.Y. Li, M. Zhao, S.R. Hu. The HaeIII and XspI PCR-RFLPs detecting polymorphisms at the goat IGFBP-3 locus. Small Ruminant Research, 2007, 73: 283-286 (SCI 收录)
120. Chuanying PAN, Xianyong LAN, **Hong CHEN***, Liushuai HUA, Yikun GUO, Bao ZHANG, and chuzhao LEI. Five novel single nucleotide polymorphisms (SNPs) of the promoter of PIT1

- (PROP1) gene in bovine. Arch. Tierzucht (Archives of Animal Breeding) , 2007, 50 (4), 421-423. (SCI 收录).
121. Ai-Ling Zhang, Hui Liu, Ming-Ming Yang, Yue-Sheng Gong, **Hong Chen**. Assay and characterization of a strong promoter element from *B. subtilis*. Biochemical and Biophysical Research Communications. 2007, 354(1): 90-95. (SCI 收录)
 122. Wei Shen, Guocheng Lan, Xueyi Yang, Lan Li, Lingjiang Min, Zhengtian Yang, Liyuan Tian, Xiaojie Wu, Yujiang Sun, **Hong Chen**, Jinghe Tan, Jixian Deng, Qingjie Pan. Targeting the exogenous htPAm gene on goat somatic cell beta-casein locus for transgenic goat production. Molecular Reproduction and Development, 2007, 74 (4) : 428-434. (SCI 论文)
 123. Lixin Wang, Junjie Bai, Jianren Luo, **Hong Chen**, Xing Ye, Qingjian, and Haihua Lao. Molecular Cloning and Expression of Grass Carp Myod in Yeast *Pichia pastoris*. Journal of Biochemistry and Molecular Biology, 2007, 40(1): 22-28. (SCI 收录)
 124. Shangang Jia, **Hong Chen***, Guixiang Zhang, Zhigang Wang, Chuzhao Lei, Ru Yao, Xu Han. Genetic Variation of Mitochondrial D-loop Region and Evolution Analysis in Some Chinese Cattle Breeds. Journal of Genetics and Genomics, 2007,34(6): 510-518
 125. YANG Dong-ying, **CHEN Hong***, ZHANG ZHeng-feng, LAN Xian-yong, ZHANG Liang-zhi, HU Shen-rong, SU Li-hong, WANG Xin-zhuang, WANG Ju-qiang. Single

- Nucleotide Conformation Polymorphisms of Leptin Gene in Chinese Cattle. *Journal of Genetics and Genomics*, 2007 34(5):400-405
126. Weibin Sun, **Hong Chen***, Chuzhao Lei, Xueqin Lei, Yinghan Zhang. Study on Population Genetic Characteristics of Qinchuan Cows Using Microsatellite Markers. *Journal of genetics and Genomics*, 2007, 34(1):17-25.
127. Xin Cai, **Hong Chen***, Shan Wang, Kai Xue, Chuzhao Lei. Polymorphisms of a Y Chromosome Specific Microsatellite in Chinese Cattle Breeds. *Genetics Selection Evolution*, 2006, 38: 525-534 (SCI 收录)
128. C.L. Zhang, **H. Chen***, Y.H. Wang, X.Y. Lan, L. Zhang, A.L. Zhang, R.F. Zhang. Association of a missense mutation of the MC4R gene with growth traits in cattle. *Archives of Animal Breeding*, 2006, 49 (5) : 515—516. (SCI 收录) .
129. **CHEN Hong**, CAI Xin, LEI Chu-zhao, FANG Xing-tang, ZHU Bi-cai, ZHANG Bao. *Bos taurus and Bos indicus: the Main Ancestress of Cattle Breeds in China Revealed by mtDNA Diversity*(Abstract). *APOCB*, 2006-07-006: 109. (SCI 收录)
130. C. Z. Lei, **H. Chen***, H. C. Zhang, X. Cai, R. Y. Liu, L. Y. Luo, C. F. Wang, W. Zhang, Q. L. Ge, R. F. Zhang, X. Y. Lan and W. B. Sun. Origin and phylogeographical structure of Chinese cattle. *Animal Genetics*, 2006, 37: 579–582 (SCI 收录)
131. XUE Kai, **CHEN Hong***, WANG Shan, CAI Xin, LIU Bo, ZHANG Cun-fang, LEI Chu-zhao, WANG Xin-zhuang, WANG

Yi-min, NIU Hui. Effect of Genetic Variations of POU1F1 Gene on Growth Traits of Nanyang Cattle. Acta Genetica Sinica, 2006, 33 (10): 901–907

132. **WANG Xin, MA Yue-hui, CHEN Hong***. Analysis of the genetic Diversity and Phylogenetic Evolution of Chinese Sheep Based on Cyt b Gene Sequences. Acta Genetica Sinica, 2006, 33 (12): 1081–1086.

6. 论著与教材情况

1. 副主编：动物分子生物学. 高等教育出版社，2010.12
2. 主 编：基因工程实验技术(面向 21 世纪课程教材). 中国农业出版社，2005.
3. 主 编：基因工程原理与应用(面向 21 世纪课程教材). 中国农业出版社，2004.
4. 副主编：动物遗传资源学纲要. 科学出版社，2009.1.
5. 副主编：新编遗传学教程(面向 21 世纪课程教材). 中国农业大学出版社，2002.
6. 参 编：动物遗传学(面向 21 世纪课程教材). 中国农业出版社，2002.
7. 参 编：现代生物技术概论(面向 21 世纪课程教材). 中国农业出版社，2003.
8. 参 编：国外畜禽生产新技术. 中国农业大学出版社，2003.

7. 相关获奖情况：

1. “陕西地方黄牛品种遗传特征研究” 2003 年获陕西省科技进步一等奖（排名第一）.

2. “陕西四个地方黄牛品种染色体特征的研究” 2001 年获陕西省高校科技进步一等奖（排名第一）。
3. “中国部分黄牛品种 mtDNA 遗传多态性研究” 2006 年获陕西省自然科学优秀论文一等奖（通讯作者）。
4. “小尾寒羊产羔性状的微卫星标记研究” 2006 年获陕西省自然科学优秀论文二等奖。（通讯作者）。
5. 主编的“基因工程原理与应用” 2006 年获中国高等农林院校优秀教材奖。
6. “中国荷斯坦奶牛生产性状的分子遗传特征研究” 2008 年获江苏省科技进步三等奖。（排名第一）。
7. “奶牛分子遗传特征及其与产乳性状关系研究” 2008 年 5 月获淮海科学技术奖二等奖（排名第一）。
8. 主编的“基因工程原理与实验技术” 2008 年获淮海科技二等奖（排名第一）。
9. “中国主要牛种经济性状分子遗传研究” 2008 年 4 月已通过教育部组织的成果鉴定（排名第一）。
10. “南阳牛肉用性状的分子育种关键技术研究” 2008 年 12 月通过河南省科技厅组织的成果鉴定（排名第一）。

联系方式

通讯地址：陕西杨凌西农路 22 号 西北农林科技大学动物科技学院

邮编：712100

联系电话：029-87092102（办）

Email: chenhong1212@126.com, chenhong1212@263.net

