

Publications by Chengming Wang et al.

2018

109. Luo Q, Zhang Li, Wei F, Fang Q, Bao F, Mi S, Li N, Wang C, Liu Y, Tu C. mTORC1 negatively regulates the replication of classical swine fever virus through autophagy and IRES-dependent translation. *Iscience*. PII: S2589-0042(18)30042-7. 2018, In Press
108. Yang Y, Yang Z, Kelly P, Ren Y, Wang C*. *Borrelia miyamotoi* sensu lato in a highly endangered Père David's deer (*Elaphurus davidianus*). *Emerging Infectious Diseases*. 2018. 24: 5
107. Xu X, Liu W, Jiang Y, Sun J, Wang C, Geng S, Pan Z, Prinz R, Sun J, Jiao X*. Activation of TGF-beta-activated kinase 1 (TAK1) restricts *Salmonella* Typhimurium growth by inducing AMPK activation and autophagy. *Cell Death and Disease*. 2018, In Press
106. Yang F, Li M, Li J, Wang Y, Zhang J, Wang C*. High prevalence and genetic diversity of *Chlamydia suis* in Zhejiang province. *Animal Husbandry and Veterinary Medicine*. 2018. In Press
105. Gong J, Zhuang L, Zhang D, Zhang P, Dou X, Wang C*. Establishment of a multiplex loop-mediated isothermal amplification (m-LAMP) for rapid detection of sulfonamide resistance genes (*sul1*, *sul2*, *sul3*) in clinical *Enterobacteriaceae* isolates from poultry. *Foodborne Pathogens and Disease*. 2018. In Press
104. Wang J, Kelly P, Zhang J, Wang C*. Detection of *Dirofilaria immitis* antigen and antibodies against *Anaplasma phagocytophilum*, *Borrelia burgdorferi* and *Ehrlichia canis* in dogs from ten provinces of China. *Acta Parasitologica*. 2018. 63(2), 412-415
103. Zhang J, Chen L, Wang J, Butaye P, Huang K, Qiu H, Zhang X, Gong W, Wang C*. Molecular detection of colistin resistance genes (*mcr-1* to *mcr-5*) in human vaginal swabs. *BMC Research Notes*. 2018 Feb 20, 11(1): 143
102. Yang Y, Yang Z, Kelly P, Li J, Ren Y, Wang C*. *Anaplasma phagocytophilum* in highly endangered Père David's deer *Elaphurus davidianus*. *Parasites and Vectors*. 2018, 11(1): 25
101. Chen L, Zhang J, Wang J, Butaye P, Kelly P, Li M, Yang F, Gong J, Yassin AK, Guo W, Li J, Song C, Wang C*. Newly identified colistin resistance genes, *mcr-4* and *mcr-5*, from upper and lower alimentary tract of pigs and poultry in China. *PLoS one*. 2018, 13(3): e0193957
100. Zhang J, Wang J, Wang C*. Complete Genome Sequence of *Ehrlichia canis* Strain YZ-1, Isolated from a Beagle with Fever and Thrombocytopenia. *Genome announcements*. 2018, 6 (9): e00133-18
99. Zhang J, Chen L, Wang J, Yassin AK, Butaye P, Kelly P, Gong J, Guo W, Li J, Li M, Yang F, Feng Z, Jiang P, Song C, Wang Y, You J, Yang Y, Price S, Qi K, Kang Y, Wang C*. Molecular detection of colistin resistance genes (*mcr-1*, *mcr-2* and *mcr-3*) in nasal/oropharyngeal and anal/cloacal swabs from pigs and poultry. *Scientific*

Reports. 2018, 8(1): 3705

98. Wang J, Zhang J, Kelly P, Zheng X, Li M, You J, Huang K, Qiu H, Wang Y, Zhang R, Li J, Dong J, Feng F, Zhou J, Wang C*. First description of the pathogenicity of *Babesia vogeli* in experimentally infected dogs. *Veterinary Parasitology*. 2018, 253: 1-7
97. Zhang J, Wang J, Chen L, Yassin AK, Kelly P, Butaye P, Li J, Gong J, Cattley R, Qi K, Wang C*. Housefly (*Musca domestica*) and Blow Fly (*Protophormia terraenovae*) as vectors of bacteria carrying colistin resistance genes. *Applied and Environmental Microbiology*. 2018, 84 (1): e01736-17

2017

96. Guo W, JelocniK M, Li J, Sachse K, Polkinghorne A, Pannekoek Y, Kaltenboeck B, Gong J, You J, Wang C*. From genomes to genotypes: Molecular epidemiological analysis of *Chlamydia gallinacea* reveals a high level of genetic diversity for this newly emerging chlamydial pathogen. *BMC Genomics*. 2017, 18(1): 949
95. Li M, Jelocnik M, Yang F, Gong J, Kaltenboeck B, Polkinghorne A, Feng Z, Pannekoek Y, Borel N, Song C, Jiang P, Li J, Zhang J, Wang Y, Wang J, Zhou X, Wang C*. Asymptomatic infections with highly polymorphic *Chlamydia suis* are ubiquitous in pigs. *BMC Vet Res*. 2017, 13(1): 370
94. Li M, Zhang X, Huang K, Qiu H, Zhang J, Kang Y, Wang C*. Presence of *Chlamydia trachomatis* and *Mycoplasma* spp., but not *Neisseria gonorrhoeae* and *Treponema pallidum*, in women undergoing an infertility evaluation: high prevalence of tetracycline resistance gene tet(M). *AMB Express*. 2017, 7(1): 206
93. Kelly PJ, Köster L, Li J, Zhang J, Huang K, Branford GC, Marchi S, Vandenplas M, Wang C*. Survey of vector-borne agents in feral cats and first report of *Babesia gibsoni* in cats on St Kitts, West Indies. *BMC Vet Res*. 2017, 13(1): 331
92. Yassin AK, Zhang J, Wang J, Chen L, Kelly P, Butaye P, Lu G, Gong J, Li M, Wei L, Wang Y, Qi K, Han X, Price S, Hathcock T, Wang C*. Identification and characterization of mcr mediated colistin resistance in extraintestinal *Escherichia coli* from poultry and livestock in China. *FEMS Microbiol Lett*. 2017, 364(24), fnx242
91. Xu D, Zuo J, Chen Z, Lv X, Hu J, Wu X, Qi K, Mi R, Huang Y, Miao J, Jiang W, Wang S, Wang C*, Han X*. Different activated methyl cycle pathways affect the pathogenicity of avian pathogenic *Escherichia coli*. *Veterinary Microbiology*. 2017, 211: 160-168
90. Li L, Luther M, Macklin K, Pugh D, Li J, Zhang J, Roberts J, Kaltenboeck B, Wang C*. *Chlamydia gallinacea*: a widespread emerging *Chlamydia* agent with zoonotic potential in backyard poultry. *Epidemiology & Infection* 2017, 145(13): 2701-2703
89. Yassin AK, Gong J, Kelly P, Lu G, Guardabassi L, Wei L, Han X, Qiu H, Price S, Cheng D, Wang C*. Antimicrobial resistance in clinical *Escherichia coli* isolates from poultry and livestock, China. *PLoS One*. 2017, 12(9): e0185326

88. Xu D, Wu X, Jing Y, Zuo J, Mi R, Huang Y, Chen Z, Wang C*, Han X*. Catalytic activity of *Brucella abortus* SahH in activated methionine cycle. *Journal of Nanjing Agricultural University*. 2017, 40(4): 697-702
87. Gong J, Kelly P, and Wang C*. Prevalence and antimicrobial resistance of *Salmonella enterica* serovar Indiana in China (1984-2016). *Zoonoses and Public Health*. 2017, 64(4): 239-251
86. Wu X, Xu D, Jin Y, LV X, HU J, Mi R, Huang Y, Wang C, Chen Z, Han X. Catalytic activity of Mtan on the substrate S-adenosylhomocysteine in *Riemerella anatipestifer*. *Microbiology China*. 2017, 44(5): 1165-1170
85. Yang Y, Wang Y, Poulsen E, Ransburgh R, Liu X, An B, Lu N, Anderson G, Wang C*, Bai J*. Genotyping *Brucella canis* isolates using a highly discriminatory multilocus variable-number tandem-repeat analysis (MLVA) assay. *Scientific Reports*. 2017, 7(1): 1067
84. Zhang J, Wang L, Kelly P, Li J, Price S, and Wang C*. First molecular characterization of feline immunodeficiency virus in domestic cats from mainland China. *PLoS One*. 2017, 12(1): e0169739
83. Wang M, Xin S, Ni W, Yang Y, Zhang H, Li M, Wang C, Yang Z, Mao Y. Association Analysis Between SNPs of CXCR1 Gene and Susceptibility to Bovine Leukemia in Chinese Holstein (*Bos taurus*). *J. Agricultural Biotechnology*. 2017, 25(10): 1637-1642
82. Tan L, Han S, Ding S, Xiao W, Ding Y, Qian L, Wang C, Gong W*. Chitosan nanoparticle-based delivery of fused NKG2D-IL-21 gene suppresses colon cancer growth in mice. *Int J Nanomedicine*. 2017, 12: 3095-3107

2016

81. Yang Y, Kelly P, Bai J*, Zhang R, and Wang C*. First molecular characterization of bovine leukemia virus infections in the Caribbean. *PLoS One*. 2016, 11(12): e0168379
80. Zhang R, Jiang J, Sun W, Zhang J, Huang K, Gu X, Yang Y, Xu X, Shi Y, and Wang C*. Lack of association between bovine leukemia virus and breast cancer in Chinese patients. *Breast Cancer Research*. 2016, 18(1): 101
79. Xie Q, Zhang J, Shao H, Wan Z, Tian X, Yang J, Pang M, Qian K, Gao W, Wang C, Qin A, and Ye J*. Development of a novel immuno-PCR for detection of avian leukosis virus. *Journal of Virological Methods*. 2016, 236: 25-28
78. Zhang J, John Kelly P, Lu G, Cruz-Martinez L, Wang C*. *Rickettsia* in mosquitoes, Yangzhou, China. *Emerging Microbes & Infections*. 2016, 5(10): e108
77. Li J, Guo W, Kaltenboeck B, Sachse K, Yang Y, Luan L, You J, Huang K, Qiu H, Wang Y, Li M, Yang Z, Wang C*. *Chlamydia pecorum* is the endemic intestinal species in cattle while *C. gallinacea*, *C. psittaci* and *C. pneumoniae* associate with sporadic systemic infection. *Veterinary Microbiology*. 2016, 193: 93-99
76. Luan L, Sun Z, Kaltenboeck B, Huang K, Li M, Peng D, Xu X, Ye J, Li J, Guo W, and Wang C*. Detection of influenza A virus from live-bird market poultry swab

- samples in China by a pan-IAV, one-step reverse-transcription FRET-PCR. *Scientific Reports*. 2016, 6: 30015
75. Ye J, Liang G, Zhang J, Wang W, Song N, Wang P, Zheng W, Xie Q, Shao H, Wan Z, Wang C, Chen H, Gao W, and Qin A*. Outbreaks of serotype 4 fowl adenovirus with novel genotype, China. *Emerging Microbes and Infections*. 2016, 5(5):e50
 74. Yang Y, Fan W, Mao Y, Yang Z, Lu G, Zhang R, Zhang H, Szeto C, and Wang C*. Bovine leukemia virus infection in cattle of China: association with reduced milk production and increased somatic cell score. *Journal of Dairy Science*. 2016, 99(5): 3688-3697
 73. Gong J, Linlin Zhuang L, Zhu C, Shi S, Zhang D, Zhang L, Yu Y, Dou X, Xu B, and Wang C*. Loop-mediated isothermal amplification of the *sefA* gene for rapid detection of *Salmonella Enteritidis* and *Salmonella Gallinarum* in chickens. *Foodborne Pathogens and Disease*. 2016, 48(2): 423-426
 72. Gong J, Wang C*, Shi S, Bao H, Zhu C, Kelly P, Zhuang L, Lu G, Dou X, Wang R, Xu B, and Zou J. Highly drug-resistant *Salmonella enterica* serovar Indiana clinical isolates recovered from broilers and poultry workers with diarrhea in China. *Antimicrobial Agents and Chemotherapy*. 2016, 60(3): 1943-1947
 71. El-Mahallawy HS, Kelly P, Zhang J, Yang Y, Zhang H, Wei L, Mao Y, Yang Z, Zhang Z, Fan W, and Wang C*. High seroprevalence of *Coxiella burnetii* in dairy cattle in China. *Tropical Animal Health and Production*. 2016, 48(2): 423-426
 70. Guo W, Li J, Kaltenboeck, Fan W, and Wang C*. *Chlamydia gallinacea*, not *C. psittaci*, is the endemic chlamydial species in chicken (*Gallus gallus*). *Scientific Reports*. 2016, 6: 19638
 69. Gong J, Zhuang L, Lu G, Zhang D, Zhang L, Xu B, Dou X, Wang C*. Development and Application of a Multiplex PCR for Detection of Avian *Salmonella*. *China Poultry*. 2016, 38(4): 14-18
 68. El-Mahallawy HS, Kelly P, Zhang J, Yang Y, Wei L, Tian L, Fan W, Zhang Z, and Wang C*. Serological and molecular evidence of *Coxiella burnetii* in samples taken from humans and animals in China. *Annals of Agricultural and Environmental Medicine*. 2016, 23(1): 87-91
 67. Qiu H, Kelly P, Zhang J, Luo Q, Yang Y, Mao Y, Yang Z, Li J, Wu H and Wang C*. Molecular detection of *Anaplasma* spp. and *Ehrlichia* spp. in ruminants from twelve provinces of China. *Canadian Journal of Infectious Diseases and Medical Microbiology*. 2016: 9183861

2015

66. Li J, Kelly P, Zhang J, Xu C, and Wang C*. Development of a pan-*Babesia* FRET-qPCR and a survey of livestock from five Caribbean islands. *BMC Veterinary Research*. 2015, 11(1): 246
65. Xu D, Zhang J, Shi Z; Song C, Zheng X, Zhang Y, Hao Y, Dong H, Wei L, El-Mahallawy HS, Kelly P, Xiong W, Wang H, Li J, Zhang X, Gu J, and Wang C*. Molecular detection of vector-borne agents in dogs from ten provinces of China. *Parasites*

& Vectors. 2015, 8(1): 501

64. Zhang J, Kelly P, Guo W, Xu C, Wei L, Jongejan F, Loftis A and Wang C*. Development of a generic Ehrlichia FRET-qPCR and investigation of ehrlichioses in domestic ruminants on five Caribbean islands. *Parasites & Vectors*. 2015, 8(1): 506
63. Ye J, Tian X, Xie Q, Zhang Y, Sheng Y, Zhang Z, Wang C, Zhu H, Wang Y, Shao H, and Qin A. Avian Gyrovirus 2 DNA in fowl from live poultry markets and in healthy humans, China. *Emerging Infectious Diseases*. 2015, 21(8): 1486-1488
62. Lu G, Zhang J, Zhang C, Li X, Shi D, Yang Z, and Wang C*. One-step reverse-transcription FRET-PCR for differential detection of five *Ebolavirus* species. *PLoS One*. 2015, 10(5): e0126281
61. El-Mahallawy HS, Lu G, Kelly P, Xu D, Li Y, Fan W, and Wang C*. Q fever in China: a systematic review (1989-2013). *Epidemiology and Infection*. 2015, 143(4): 673-681
60. Zhang J, Kelly K, Li J, Xu C, and Wang C*. Molecular detection of *Theileria* spp. in livestock on five Caribbean islands. *BioMed Research International*. 2015, 2015: 624728

2014

59. Zhuang L, Gong J, Li Q, Zhu C, Yu Y, Dou X, Liu X, Xu B, and Wang C*. Detection of *Salmonella* spp. by a loop-mediated isothermal amplification (LAMP) method targeting *bcfD* gene. *Letters in Applied Microbiology*. 2014, 59(6): 658-664
58. Kelly P, Marabini L, Dutlow K, Zhang J, Loftis A, and Wang C*. Molecular detection of tick-borne pathogens in captive wild felids, Zimbabwe. *Parasites & Vectors*. 2014, 7(1): 514
57. Zhang J, Lu G, Kelly P, Zhang Z, Wei L, Yu D and Wang C*. First report of *Rickettsia felis* in China. *BMC Infectious Diseases*. 2014, 14: 682
56. Wei L, Kelly P, Ackerson K, Zhang J, El-Mahallawy HS, Kaltenboeck B, and Wang C*. First report of *Babesia gibsoni* in Central America and survey for vector-borne infections in dogs from Nicaragua. *Parasites & Vector*. 2014, 7: 126
55. Yang Y, Mao Y, Kelly P, Yang Z, Luan L, Zhang J, Li J, El-Mahallawy HS, and Wang C*. A pan-*Theileria* FRET-qPCR survey for *Theileria* spp. in ruminants from nine provinces of China. *Parasites & Vectors*. 2014, 7: 413
54. Wei L, Kelly P, Zhang J, Yang Y, Zheng X, Tao J, Zhang Z, and Wang C*. Use of a universal hydroxymethylbilane synthase (HMBS)-based PCR as an endogenous internal control and to enable typing of mammalian DNAs. *Applies Microbiology and Biotechnology*. 2014, 98(12): 5579-5587
53. Wei L., Kelly P, Ackerson K, El-Mahallawy HS, Kaltenboeck B, and Wang C*. Molecular detection of *Dirofilaria immitis*, *Hepatozoon canis*, *Babesia* spp., *Anaplasma platys*, and *Ehrlichia canis* in dogs on Costa Rica. *Acta Parasitologica*. 2014, 60(1): 21-25
52. Xu C, Loftis A, Ahluwalia SK, Gao D, Verma A, Wang C, and Kaltenboeck B.

Diagnosis of canine leptospirosis by a highly sensitive FRET-PCR targeting the *lig* genes. *PLoS One*. 2014, 9(2): e89507

51. Gong J, Zhang J, Xu M, Zhu C, Yu Y, Liu X, Kelly P, Xu B, and Wang C*. Prevalence and fimbrial genotype distribution of poultry *Salmonella* spp. isolates in China (2006-2012). *Applied and Environmental Microbiology*. 2014, 80(2): 687-693
50. Wang C*. Key points for improving the application of PCR technology. *China Poultry*. 2014, 21(1): 1

2013

49. Zhang J, Wei L, Freeman M, Jaegerson K, Kelly P, Gong J, Xu B, Pan Z, and Wang C*. Detection of *Salmonella* spp. using a generic and differential FRET-PCR. *PLoS One*. 2013, 8(10): e76053
48. Dutton CS, Revan F, Wang C, Xu C, Norton TM, Steward KM, Kaltenboeck B, and Soto E*. *Salmonella enterica* prevalence in leatherback sea turtles (*Dermochelys coriacea*) in St. Kitts, West Indies. *Journal of Zoo and Wildlife Medicine*. 2013, 44(3): 765-768
47. Loftis A, Kelly PJ, Freeman M, Beeler, and Wang C. Tick-borne pathogens and disease of dogs in St Kitts, West Indies. *Veterinary Parasitology*. 2013, 196(1-2): 44-49
46. Kelly PJ, Xu C, Lucas H, Loftis A, Abete J, Zeoli F, Stevens A, Jaegersen K, Ackerson K, Gessner A, Kaltenboeck B, and Wang C*. Ehrlichiosis, babesiosis, anaplasmosis and hepatozoonosis in dogs from St Kitts, West Indies. *PLoS One*. 2013, 8(1): e53450
45. Zhuan L, Tang M, Yu Y, Gong J, Dai Y, Xu B, Wang C, Liu X. Application of LAMP technology in the rapid detection of avian pathogens. *China Poultry*. 2013, 35(24): 48-49

2012

44. Wang C, Mount J, Butler J, Gao D, Jung E, Blagburn BL, Kaltenboeck B. Real-time PCR of the mammalian hydroxymethylbilane synthase (HMBS) gene for analysis of flea (*Ctenocephalides felis*) feeding patterns on dogs. *Parasites & vectors*. 2012, 5 (1): 4
43. Wang C*, Kaltenboeck B, and Freeman M (Eds.). *Veterinary PCR Diagnostics*. Bentham Science Publishers, 2012
42. Wu H, Jaegersen K, Robertson BK, Villafane R and Wang C. Quantitative PCR as a Diagnostic Technique in Veterinary Parasitology. In: *Veterinary PCR Diagnostics*, Bentham Science Publishers. 2012, 98-105(8)
41. Wang C, Mount J, Jung E, Butler J, Blagburn BL, and Kaltenboeck B. Flea feeding patterns in dogs analyzed by real-time PCR of the mammalian hydroxymethylbilane synthase (HMBS) gene. *Parasites & Vectors*. 2012, 5:4

40. Yang L, Zhang LY, Wang C, Wang B, Wang XM, and Zeng SM*. Differential expression pattern of ISG15 in different tissue explants and cells induced by various interferons. *Microbiology and Immunology*. 2012, 56(3): 163-170

2011

39. Kelly PJ, Stocking R, Xu C, Philips N, Kaltenboeck B, and Wang C*. Identification of feline immunodeficiency virus subtype-B on St. Kitts, West Indies by quantitative PCR. *Journal of Infection in Developing Countries*. 2011, 5 (6): 480-483
38. Wang C, Kaltenboeck B, and Konrad Sachse. *Chlamydophila*. In: *Molecular detection of human bacterial pathogens*. Edited by Dongyou Liu, CRC Press, Taylor & Francis Group. 2011, 523-535
37. Shaheen BW, Boothe DM, Oyarzabal OM, and Wang C, and Johnson CM. Evaluation of the contribution of *gyrA* mutation and efflux pumps to fluoroquinolone and multi-drug resistance in pathogenic *Escherichia coli* isolates from the dogs and cats. *Am J Vet Res*. 2011, 72: 25-32

2010

36. Wang C and Kaltenboeck B. Exacerbation of chronic inflammatory diseases by infectious agents: Fact or fiction? *World journal of diabetes*. 2010, 1 (2): 27-35
35. Wang C, Johnson CM, Ahluwalia SK, Chowdhury E, Li Y, Gao D, Poudel A, Rahaman KS, Kaltenboeck B. Dual-emission fluorescence resonance energy transfer (FRET) real-time PCR differentiates feline immunodeficiency virus subtypes and discriminates infected from vaccinated cats. *Journal of clinical microbiology*. 2010, 48 (5): 1667-1672
34. Wang C, Ahluwalia SK, Li Y, Gao D, Poudel A, Chowdhury E, Boudreux MK, and Kaltenboeck B. Frequency and therapy monitoring of canine *Babesia* spp. infection by high-resolution melting curve quantitative FRET-PCR. *Veterinary Parasitology*. 2010, 168:11-18
33. Li Y, Ahluwalia SK, Borovkova A, Loskutov A, Wang C, Gao D, Poudel A, Sykes KF, and Kaltenboeck B. Novel *Chlamydia pneumoniae* vaccine candidates confirmed by Th1-enhanced genetic immunization. *Vaccine*. 2010, 28: 1598-1605
32. Wang C*. *Chlamydia pneumoniae* Lung Infection in Two Inbred Mouse Strains: Multivariate analysis of *Chlamydia pneumoniae* lung infection in A/J and C57BL/6 mice. LAP Lambert Academic Publishing. 2010

2009

31. Shaheen BW, Wang C, Johnson CM, Kaltenboeck B, and Boothe DM. Detection of fluoroquinolone resistance level in clinical canine and feline *Escherichia coli*

- pathogens using rapid and early real-time PCR assay. *Veterinary Microbiology*. 2009, 139: 379-385
30. Wang C, Gao D, and Kaltenboeck B. Acute *Chlamydia pneumoniae* re-infection accelerates the development of insulin resistance and diabetes in obese C57BL/6 mice. *The Journal of Infectious Diseases*. 2009, 200: 279-287

2008

29. Wang C, van Ginkel F, Kim T, Li D, Li Y, Dennis JC, and Kaltenboeck B. Temporal delay of peak T cell immunity determines *Chlamydia pneumoniae* pulmonary disease in mice. *Infection and Immunity*. 2008, 76(11): 4913-4923
28. Li Y, Wang C, Allen KE, Little SE, Ahluwalia SK, Gao D, Macintire DK, Blagburn BL, and Kaltenboeck B. Diagnosis of canine *Hepatozoon* spp. infection by quantitative PCR. *Veterinary Parasitology*. 2008, 157(1-2): 50-58
27. Sykes KF, Borovkov AY, Kaltenboeck B, Li Y, Wang C. Chlamydia pneumoniae vaccine and methods for administering such a vaccine. Patent. WO/2008/136867
26. Min-Oo G, Lindqvist L, Vaglenov A, and Wang C, Fortin P, Li Y, Kaltenboeck B, and Gros F. Genetic control of susceptibility to pulmonary infection with Chlamydia pneumoniae in the mouse. *Genes and Immunity*. 2008, 9(4): 383-388

2007

25. Wang C, Kim T, Gao D, Vaglenov A, and Kaltenboeck B. Rapid high-yield mRNA extraction for reverse-transcription PCR. *Journal of Biochemical and Biophysical Methods*. 2007, 70 (3): 507-509
24. Wang C, and Kaltenboeck B. Application of real-time PCR in the molecular microbiology diagnostics. *BIOforum Europe*. 2007, 3(11): 37-40

2006

23. Diaz-Perez SV, Ferguson DO, Wang C, Csankovszki G, Wang C, Tsai S, Dutta D, Perez V, Kim S, Eller CD, Salstrom J, Ouyang Y, Teitel MA, Kaltenboeck B, Chess A, Huang S, and Marahrens Y. A deletion at the mouse *Xist* gene exposes trans-effects that alter the heterochromatin of the inactive X chromosome and the replication time and DNA stability of both X chromosomes. *Genetics*. 2006, 174: 1115-1133
22. Li D, Borovkov A, Vaglenov A, Wang C, Kim T, Gao D, Sykes KF, and Kaltenboeck B. Mouse model of respiratory Chlamydia pneumoniae infection for a genomic screen of subunit vaccine candidates. *Vaccine*. 2006, 24: 2917-2927

2005

21. Wang C, Macklin KS, Krehling JT, and Norton RA. Influence of infectious bursal disease and chicken anemia vaccines on the development of cellulitis and myositis lesions in cage-reared broilers. *Journal of Applied Animal Research*. 2005, 27: 65-69
20. Li D, Vaglenov A, Kim T, Wang C, Gao D, and Kaltenboeck B . High-yield culture and purification of *Chlamydiaceae* bacteria. *Journal of Microbiological Methods*. 2005, 61: 17-24
19. Wang C, Norton RA, Macklin KS, and Krehling JT. Effect of chicken anemia and infectious bursal disease vaccines and Marek's disease on the development of cellulites and myositis lesions in floored-reared MHC-defined broiler chickens. *Journal of Applied Animal Research*. 2005, 27: 1-5
18. Kaltenboeck B, and Wang C. Advances in Real Time PCR: Application to clinical laboratory diagnostics. In: *Advances in Clinical Chemistry* Editor: Greg Makowski. ELSEVIER. 2005, 40: 219-259

2004

17. Wang C, Gao D, Vaglenov A, and Kaltenboeck B*. One-step real-time duplex reverse transcription PCRs simultaneously quantify analyte and housekeeping gene mRNAs. *BioTechniques*. 2004, 36(3): 508-516, 518-519

2000

16. Wang C. Clostridium disease of poultry. *Animal Science Abroad*. 2000, 27(3): 49-50

1998

15. Chen L, Yin D, Pang X, Wang C, Mao X. Preliminary analysis of changes of RBC immune function in chickens infected with Infectious Bursal Disease Virus (IBDV). *Acta Veterinaria et Zootechnica Sinica*. 1998, 29(3): 280-284

1996

14. Wang C, Song Z. Chicken infectious dwarf syndrome. *Heilongjiang Animal Science and Veterinary Medicine*. 1996, 9: 44-45
13. Wang C. Identification of IBDV and ARV using SDS-PAGE. *Journal of Anhui Agrotechnical Teachers College*. 1996, 10(2): 13-16
12. Wang C, Chen F, Cai B. Development of neutralization monoclonal antibodies against infectious bursal disease virus. *Chinese Veterinary Science*. 1996, 1: 8-10

1995

11. Wang C, Cai B. Detecting IBDV by double-antibodies ELISA. *Journal of Anhui Agrotechnical Teachers College*. 1995, 9(3): 51-54
10. Wang C, Cai B. Purification and identification of infectious bursal disease virus in chickens. *Chinese Journal of Veterinary Science and Technology*. 1995, 25(12): 4-6
9. Wang C, Li Y, Liu W. The effects of physical chemical factors such as freeze-thaw, temperature on the potency of egg yolk antibody (IgY) AGP. *Journal of Anhui Agrotechnical Teachers College*. 1995, 9(4): 29-31
8. Wang C, Yao Q. The application of high-immunity egg yolk antibody (IgY) and its side effect. *Poultry Science and Technology*. 1995, 11(5):14
7. Wang C, Wang X. Analysis on antigenic sites of the anti-IBDV monoclonal antibodies. *Journal of Anhui Agrotechnical Teachers College*. 1995, 9(1): 13-17

1993

6. Wang C, Cai B, Chen F. Development of neutralizing monoclonal antibodies against infectious bursal disease virus and its application. *Journal of Nanjing Agricultural University*. 1993, 16(3): 79-84
5. Wang C, Chen F, Cai B. Development of neutralization monoclonal antibodies against infectious bursal disease virus. *Journal of Anhui Agrotechnical Teachers College*. 1993, 7(1): 56-60

1992

4. Wang C, Lu C. Research progress in infectious bursal disease virus in chickens. *Chinese Journal of Veterinary Medicine*. 1992, 4: 39-40
3. Lu S, Chen J, Zhang S, Lu J, Li Y, Li C, Tong L, Yuan C, Wu D, Wang C. The management of incubation time improves egg production of Wanxi White Goose. *Animal Husbandry and Veterinary Medicine*. 1992, 24(3): 111
2. Wang C. Purification and identification of infectious bursal disease virus in chickens. *Journal of Anhui Agrotechnical Teachers College*. 1992, 2: 56-60
1. Li G, Zheng M, Wang C. Isolation and preliminary identification of EDS-76 (Egg Drop Syndrome-76) virus in layer chickens. *Animal Husbandry and Veterinary Medicine*. 1992, 2(4): 1