

Publications in Refereed Journals

1. BaiHua Zhang, Yuanping Zhou, Ben Tempel, Hongguang Pan, Stephen Horrigan, Laura Luckenbaugh, Fabien Zoulim, Jianming Hu, Yong-Yuan Zhang. Replication-driven HBV cccDNA loss in chimeric mice with humanized livers Preprint <https://doi.org/10.1101/2023.12.28.573542>
2. Hu, C., Song, Y., Zhang, J., Dai, L., Tang, C., Li, M., Liao, W., Zhou, Y., Xu, Y., Zhang, Y.Y. and Zhou, Y., 2021. Preoperative gadoxetic acid-enhanced MRI based nomogram improves prediction of early HCC recurrence after ablation therapy. *Frontiers in Oncology*, 11, p.1394.
3. Chengguang Hu, Yangda Song, Cuirong Tang, Meng Li, Junwei Liu, Jia Liu, Minjun Liao, Fuyuan Zhou, Yong-Yuan Zhang*, Yuanping Zhou*. Pegylated Interferon Plus Tenofovir Combination Induces Higher HBsAg loss in Treatment Naïve/HBeAg Positive Chronic Hepatitis B Patients: A Real-World Experience. *Clinical Therapeutics* Accepted Dec 31,2020
4. Yuan G, Rong L, Liu J, Zhang Z, Hu C, Chen M, Ma L, Zhang YY, Li YP, Zhou Y*. Serum-derived hepatitis C virus can infect human glioblastoma cell line SF268 and activate the PI3K-Akt pathway. *Mol Med Rep*. 2019 May; 19(5):4441-4448.
5. Chengguang Hu, Guosheng Yuan, Junwei Liu, Huaping Huang, Yanyu Ren, Yinping Li, Xuefu Chen, Wei Li, TaoWu, Hong Deng, Yanzhong Peng, Yong-Yuan Zhang, and Yuanping Zhou. Sofosbuvir-Based Therapies for Patients with Hepatitis C Virus Infection: Real-World Experience in China. *Canadian Journal of Gastroenterology and Hepatology* accepted, July 2, 2018.
6. Huang, H.P., Yuan, G.S., Zhou, Y.C., Hu, C.G., Liu, J.W., Yuan, S., Qiu, Y.R., Li, Y.P., Zhang, Y.Y. and Zhou, Y.P., 2018. A hiddenly high hepatitis C virus related liver disease burden among Chinese patients with non-liver disease complaints: A hospital based study from 2013 to 2017. *Asian Pacific Journal of Tropical Medicine*, 11(2) (2018), p.171-76.
7. Guosheng Yuan, Junwei Liu, Chengguang Hu, Huaping Huang, Yuchen Zhou, Yuan Li, Dinghua Yang, Yong-Yuan Zhang*, Yuanping Zhou. A different inhibitor is required for overcoming entecavir resistance: a comparison of four rescue therapies. *BJCP* 2017
8. Yuan, Guosheng, Junwei Liu, Chengguang Hu, Huaping Huang, Minghua Qi, Tao Wu, Weifang Liang, Yi-Ping Li, Yong-Yuan Zhang, and Yuanping Zhou. "Genotype Distribution and Molecular Epidemiology of Hepatitis C Virus in Guangzhou, China: Predominance of Genotype 1b and Increasing Incidence of Genotype 6a." *Cellular Physiology and Biochemistry* 43, no. 2 (2017): 775-787.
9. Zhang YY. New strategy for treating HBV infection: A review of HBV infection biology. an invited chapter for a new book titled "Advances in Treatment of Hepatitis C and B" edited by Naglaa Allam. ISBN 978-953-51-4940-8. Published March 8, 2017
10. Zhang YY. Duck hepatitis B virus cccDNA amplification in natural infection is regulated by virus secretion efficiency. *PLOS ONE* Published: December 29, 2015
11. Zhang YY and Hu KQ. Rethinking the pathogenesis of hepatitis B virus (HBV) infection. *Journal of Medical Virology*. 2015
12. Li Q, Zhang YY, Chiu S, Hu Z, Lan KH, Cha H, Sodroski C, Zhang F, Hsu CS¹, Thomas E, Liang TJ. Integrative functional genomics of hepatitis C virus infection identifies host dependencies in complete viral replication cycle. *PLoS Pathog*. 2014 May 22;10(5):e1004163.

13. Zhang YY and Hu KQ. New perspective on natural course of chronic HBV infection. *Frontiers of Medicine* 2014 8:129-134.
14. Hu KQ and Zhang YY. Impact of Occult HBV Infection or HBV DNA Integration on Efficacy of Chronic Hepatitis C Treatment with Peginterferon and Ribavirin: Where Are We? Editorial for *Journal of Clinical Gastroenterology* 2014 8:3-5.
15. Zhang YY, Zhang BH and Liang TJ. A Novel CD81 function in controlling HCV RNA replication. *Journal of Virology* 2010 84:3396-3407.
16. Zhang YY, Zhang BH and Liang TJ. HCV RNA replication efficiency in infected cells determines HCV infection time course. Manuscript for submission.
17. Matsumura T, Hu Z, Kato T, Dreux M, Zhang YY, Imamura M, Hiraga N, Juteau JM, Cosset FL, Chayama K, Vaillant A, Liang TJ. Amphipathic DNA Polymers Inhibit Hepatitis C Virus Infection by Blocking Viral Entry. *Gastroenterology* 2009 137:673-681.
18. Zhang YY, Theele DP and Summers J. Age-related differences in amplification of covalently closed circular DNA at early times after duck hepatitis B virus infection of ducks. *Journal of Virology* 2005 79:9896-903.
19. Zhang YY and Summers J. Rapid production of neutralizing antibody leads to transient hepadnavirus infection. *Journal of Virology* 2004;2004:1195-1204.
20. Zhang YY, Zhang BH, Theele DP, Litwin S, Toll Eugene and Summers J. Single cell analysis of covalently closed circular DNA copy numbers in a hepadnaviral-infected liver. *Proc. Natl. Acad. Sci. USA* 2003;100:12372-1237.
21. Pult I, Abbot N, Zhang YY, and Summers J. Rates of spontaneous reversion of hepadnaviral infection in vivo. *Journal of Virology* 2001;75:9623-9632.
22. Zhang YY and Summers J. Low intercellular dynamic state of a chronic avian hepadnavirus infection. *Journal of Virology* 2000;74:5257-5265.
23. Zhang YY and Summers J. Enrichment of a precore minus mutant of Duck hepatitis B virus in experimental mixed infections. *Journal of Virology* 1999;73:3616-3622.
24. Widell A and Zhang YY. At least six different hepatitis C virus strains found in Swedish and Danish patients with Gammagard associated hepatitis C. *Transfusion* 1997;37:313-320.
25. Zhang YY, Tsega E, and Hansson BG. Phylogenetic analysis of hepatitis D viruses indicating a new genotype I subgroup among African isolates. *Journal of Clinical Microbiology* 1996;34:3023-3030.
26. Zhang YY and Hansson BG. Introduction of a new hepatitis agent in retrospect: genetic studies of Swedish hepatitis D virus infections. *Journal of Clinical Microbiology* 1996;34:2713-2717.
27. Zhang YY, Nordenfelt E, Hansson BG. Late phase of chronic hepatitis B virus infection is associated with increasing heterogeneity of the "a" determinant of HBsAg. *Scand. J. Infect. Dis.* 1996;289-15.
28. Lofgren B, Vickery K, Zhang YY and Nordenfelt E. 2' 3'-dideoxy-3'-fluoroguanosine inhibits duck hepatitis B virus in vivo. *J. Viral Hepatitis*. 1996;3:61-65.
29. Zhang YY. Genetic heterogeneity of chronic hepatitis B and D infections. Ph.D. Thesis. ISBN 91-628-2210-1. Lund University, SWEDEN, 1996.
30. Zhang YY, Widell A, Lok A. A greater diversity of HCV genotypes are found in Chinese patients in HongKong than in mainland China. *Journal of Clinical Microbiology* 1995; 33:1931-2934.
31. Widell A, Shev S, Mansson S, Zhang YY, Foberg U, Weiland O, Norkans G, Nordenfelt E. Genotyping of hepatitis C virus isolates by a modified PCR assay using type specific primers: Epidemiological applications. *Journal of Medical Virology* 1994;44:272-279.

32. Weiland O, Zhang YY, Widell A. Serum HCV RNA in patients with chronic hepatitis C given a second course of interferon alpha-2b treatment after relapse follows initial treatment. *Scand. J. Infect. Dis.* 1993;25:25-30.
33. Zhang YY, Hansson BG, Guo LS, Widell A, Nordenfelt E. Hepatitis B virus DNA in serum and liver is commonly found in Chinese patients with chronic liver disease despite the presence of antibodies to HBsAg. *Hepatology* 1993;17:538-544.
34. Nordenfelt E, Lofgren B, Widell A, Hansson BG, Zhang YY, Hagstan KE, Kankus J. Hepatitis C virus infection among hemodialysis patients in southern Sweden: Epidemiological, Clinical and diagnostic aspects. *Journal of Medical Virology* 1993;40:266-270.
35. Zhang YY, Widell A, Hansson BG, Nordenfelt E. Detection of anti-HCV antibody and HCVRNA in Chinese blood donors by ELISA, RIBA and RT-PCR. *APMIS* 1992;100:851-855.
36. Zhang YY, Rizzetto M, Bonino F, Verme G, Hao LJ. Immunohistochemical research of HDV infection in Chinese patients with chronic liver disease. *Hepato-gastroenterology* 1990;4:411-412.
37. Hu KQ, Hao LJ, Zhang YY, Wang YK. Intrahepatic expression of Pre-S proteins of hepatitis B virus and its possible relation to liver cell necrosis. *The American Journal of Gastroenterology* 1989;12:1538-1542.
38. Zhang YY, Guo LS, Zhang YD, Yu DX, Hao LJ. The HCV infection: its role in chronic liver disease in China. *Journal of Tongji Medical University* 1993;13:116-120.
39. Zhang YY, Guo LS, Li L, Zhang YD, Hao LJ, Hansson BG, Nordenfelt E. Hepatitis B virus DNA detected by PCR in sera and liver tissues of Chinese patients with chronic liver diseases. *Chin Med J (Engl)*. 1993 106:7-12.