

Publications

Bo Hang

Peer-Reviewed Papers:

1. 杭渤, 徐元鼎 (1991) 大鼠肝癌发生中肝细胞核仁转录功能的变化。 *上海医科大学学报*, 18 卷, 91-94.
2. Lambert MW, Tsongalis GJ, Lambert WC, **Hang B**, Parrish DD. (1992) Defective DNA endonuclease activities in Fanconi's anemia cells, complementation groups A and B. *Mutat Res.*, 273, 57-71.
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4. **Hang B**, Yeung AT, Lambert MW. (1993) A damage-recognition protein which binds to DNA containing interstrand cross-links is absent in Fanconi anemia, complementation group A cells. *Nucleic Acids Res.*, 21, 4187-92.
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11. **Hang B**, Rothwell DG, Sági J, Hickson ID, Singer B. (1997) Evidence for a common active site for cleavage of an AP site and the benzene-derived exocyclic adduct, 3,N⁴-benzetheno-dC, in the major human AP endonuclease. *Biochemistry*, 36, 15411-18.
12. **Hang B**, Chenna A, Sági J, Singer B. (1998) Differential repair of the benzene-derived adduct, 1,N⁶-benzetheno-dA, by the major human AP endonuclease HAP1 and *Escherichia coli* exonuclease III and endonuclease IV. *Carcinogenesis*, 19, 1339-43.
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14. **Hang B**, Medina M, Fraenkel-Conrat H, Singer B. (1998) A 55-kDa protein isolated from human cells shows DNA glycosylase activity toward 3,N⁴-ethenocytosine and the G/T mismatch. *Proc. Natl. Acad. Sci. USA*, 95, 13561-66.
15. Sagi J, Chenna A, **Hang B**, Singer B. (1998) A single cyclic p-benzoquinone adduct can destabilize a DNA oligonucleotide duplex. *Chem Res Toxicol.*, 11, 329-34.
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18. Sagi J, Perry A, **Hang B**, Singer B. (2000) Differential destabilization of the DNA oligonucleotide double helix by a T.G mismatch, 3,N⁴-ethenocytosine, 3,N⁴-ethanocytosine, or an 8-(hydroxymethyl)-3,N⁴-ethenocytosine adduct incorporated into the same sequence contexts. *Chem Res Toxicol.*, 13, 839-45.
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29. **Hang B**, Guliaev AB. (2007) Substrate specificity of human thymine-DNA glycosylase on exocyclic cytosine adducts. *Chem Biol Interact.*, 165, 230-8.
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 48. Walian PJ, **Hang B**, Mao JH. Prognostic significance of FAM83D gene expression across human cancer types. *Oncotarget*, accepted.
 49. Tang W, Cai P, Huo W, Li H, Tang J, Qin J, Zhu D, **Hang B**, Wang S, Xia Y. Suppressive study of miRNAs to ARP2/3 complex steers cell migration and proliferation via RAC isoforms in Hirschsprung's Disease. *J. Molecular Cell Biology*, Submitted.

Invited Articles

1. Singer B, and **Hang B**. (1997) Perspective: What structural features determine repair enzyme specificity and mechanism in chemically modified DNA? *Chem. Res. Toxicol.*, 10, 713-32.
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8. **Hang B**, Chenna, A, Gundel L. (2014) Commentary: Smoking: the hidden/emerging risks. *Chemistry and Industry*. Sept. issue.
9. **Hang B**, Cheng S, Xia Y, Mao J. (2015) Thirdhand smoke: current research status and future prospects. *Zhonghua Yu Fang Yi Xue Za Zhi*. 49, 297-300.
10. **杭渤**, 束永前, 刘平, 魏光伟, 金健, 郝文山, 王培俊, 李斌, 毛建华. (2015) 肿瘤的精准医疗: 概念、技术和展望. *科技导报*, 33, 14-21.

Book Chapters

1. Singer B, and **Hang B**. (1998) Role of chemical structure in determination of repair enzyme substrate specificity and mechanism. In: *DNA and Free Radicals: Techniques, Mechanisms and Applications*. Eds: Auoma, O.I. and Halliwell, B. OICA International, Santa Lucia, 27-53.
2. Singer B, and **Hang B**. (1999) Mammalian enzymatic repair of etheno and p-benzoquinone exocyclic adducts derived from the carcinogens, vinyl chloride and benzene. In: *Exocyclic DNA adducts in mutagenesis and carcinogenesis*, Eds: Singer, B. and Bartsch, H., IARC Scientific Publications, No 150, p233-47.
3. **Hang B**. (2006) Base Excision Repair in *DNA Repair, Genetic Instability, and Cancer* (Eds. Wei, Q., Li, L. & Chen, D.), World Scientific Publishing Co. Pte. Ltd., Singapore. p23-64.