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所有發表期刊論文

1. T.V. Wang and C.S. Rupert. Evidence for the Monomerization of Spore Photoproduct to Two Thymines by the Light-independent "Spore Repair" Process in *Bacillus subtilis*. Photochem. Photobiol. 25, 123-127 (1977).
2. T.V. Wang and C.S. Rupert. Transitory Germinative Excision Repair in *Bacillus subtilis*. J. Bacteriol. 129, 1313-1319 (1977).
3. T.V. Wang and K.C. Smith. Photoreactivation of *Escherichia coli* Irradiated with Ionizing Radiation. in DNA Repair Mechanisms, eds. Academic Press, NY, pp. 151-154 (1978).
4. T.V. Wang and K.C. Smith. Enzymatic Photoreactivation of *Escherichia coli* after Ionizing Irradiation: Chemical Evidence for the Production of Pyrimidine Dimers. Radiat. Res. 76, 540-548 (1978).
5. M.S. Tang, T.V. Wang and M.H. Patrick. DNA Turnover in Buffer-held *Escherichia coli* and Its Effect on Repair of UV Damage. Photochem. Photobiol. 29, 511-520 (1979).
6. T.V. Wang and P.A. Cerutti. Formation and Removal of Aflatoxin B1 Induced DNA Lesions in Epithelioid Human Lung Cells. Cancer Res., 39, 5165-5170 (1979).
7. T.V. Wang and P.A. Cerutti. Spontaneous Reactions of Aflatoxin B1-modified DNA in vitro. Biochemistry, 19, 1692-1698 (1980).
8. G.J. Feldman, J. Remsen, T.V. Wang and P.A. Cerutti. Formation and Excision of Covalent DNA Adducts of Benzo(a)pyrene-4, 5-epoxide and Benzo(a)pyrene-diol-epoxide I in Human Lung cells A549. Biochemistry, 19, 1095-1100 (1980).
9. T.V. Wang and P.A. Cerutti. Effect of Formation and Removal of Aflatoxin B1-DNA Adducts in 10T1/2 Mouse Embryo Fibroblasts on Cell Viability. Cancer Res., 40, 2904-2909 (1980).
10. P.A. Cerutti, T.V. Wang, and P.A. Amstad. Reactions of Aflatoxin B1 Damaged DNA in vitro and in situ in Mammalian Cells. in Carcinogenesis: Fundamental and Environmental Effect., eds. B. Pullman, P.O.P. Ts'o and H. Gelboim, D. Reidel Publ. Company, p. 465-477 (1980).
11. T.V. Wang and K.C. Smith. Effect of *recB21*, *uvrD3*, *lexA101*, and *recF143* Mutations on Ultraviolet Radiation Sensitivity and Genetic Recombination in *uvrB* strains of *Escherichia coli* K-12. Mol. Gen. Genet., 183, 37-44(1981).
12. T.V. Wang and K.C. Smith. Effect of the *ssb-1* and *ssb-113* Mutations on

- Survival and DNA Repair in Ultraviolet-irradiated *uvrB* Strains of *Escherichia coli* K12. J. Bacteriol. 151, 186-192 (1982).
13. P.A. Amstad, T.V. Wang and P.A. Cerutti, Removal of Aflatoxin B1: DNA Adducts and *in vitro* Transformation in Mouse Embryo Fibroblasts C3H 10T1/2. J. Nat. Cancer Inst. 70. 135-139 (1983).
 14. T.V. Wang and K.C. Smith, Mechanisms for *recF*-dependent and *recB*-dependent Pathways of Postreplication Repair in UV-irradiated *Escherichia coli uvrB*. J. Bacteriol., 156, 1093-1098 (1983).
 15. T.V. Wang and K.C. Smith, Rich Growth Medium Enhances Ultraviolet Radiation Sensitivity and Inhibits Cell Division in *ssb* Mutants of *Escherichia coli* K12. Potochem. Photobiol., 39, 793-797 (1984).
 16. T.V. Wang and K.C. Smith, *recF*-Dependent and *recF recB*-independent DNA Gap-Filling Repair Processes Transfer Dimer-Containing Parental Strands to Daughter Strands in *Escherichia coli* K12 *uvrB*. J. Bacteriol. 158, 727-729 (1984).
 17. T.V. Wang and K.C. Smith, Role of the *umuC* Gene in Postreplication Repair in UV-irradiated *Escherichia coli* K-12 *uvrB*. Mutat. Res., 145. 107-112 (1985).
 18. K.C. Smith, N.J. Sargentini, R.C. Sharma and T.V. Wang. New DNA Repair Systems and New Insights on Old Systems in *Escherichia coli*. Radiation Carcinogenesis and DNA Alterations-NATO, eds. F.J. Burns, A.C. Upton and G. Sillini, Plenum Publishing Corp., pp. 499-509 (1986).
 19. T.V. Wang and K.C. Smith. Mechanism of *sbcB*-suppression of the *recBC*-deficiency in Postreplication Repair in UV-Irradiated *Escherichia coli* K12. Mol. Gen. Genet., 201, 186-191 (1985).
 20. T.V. Wang and K.C. Smith. Postreplicational Formation and Repair of DNA double-Strand Breaks in UV-Irradiated *Escherichia coli uvrB* cells. Mutat. Res., 165, 39-44 (1986).
 21. T.V. Wang and K.C. Smith, Inviability of *dam recA* and *dam recB* Cells in *Escherichia coli* is Correlated with Their Inability to Repair Metabolically-produced DNA Double-Strand Breaks. J. Bacteriol. 165, 1023-1025 (1986).
 22. T.V. Wang and K.C. Smith, Postreplication Repair in Ultraviolet-irradiated Human Fibroblasts: Formation and Repair of DNA Double-Strand Breaks. Carcinogenesis 7, 389-392 (1986).
 23. T.V. Wang and K.C. Smith. *recA* (*Srf*) Suppression of *recF* Deficiency in the Postreplication Repair of UV -Irradiated *Escherichia coli* K12. J. Bacteriol., 168, 940-946 (1986).

24. K.C. Smith, T.V. Wang and R.C. Sharma, *recA*-Dependent DNA Repair in UV-Irradiated *Escherichia coli*. J. Potochem. Photobiol. B: Biol. 1, 1-11 (1987).
25. K.C. Smith, T.V. Wang and R.C. Sharma. *recA*-Dependent Repair of DNA Gaps and Double-Strand Breaks After UV Irradiation. Radiation Research, Vol. 2, (Eds., E.M. Fielden, . F. Fowler, J.H. Hendry and D. Scott) pp. 382-387 (1987).
26. K.C. Smith and T.V. Wang. Multiple Pathways of Postreplication Repair. in Mechanisms and Consequences of DNA Damage Processing (Eds., E.C. Friedberg and P.C. Hanawalt), pp. 477-484 (1988).
27. T.V. Wang and K.C. Smith. Different Effects of *recJ* and *recN* Mutations on the Postreplication Repair of UV-Damaged DNA in *Escherichia coli* K12. I. Bacteriol. 170 2555-2559 (1988).
28. T.V. Wang and K.C. Smith. The Role of RecBCD, Ssb and RecA in the Formation of Heteroduplex DNA from Linear-Duplex DNA *in vitro*. Mol. Gen. Genet. 216, 315-320 (1989).
29. K.C. Smith and T.V. Wang. *recA*-dependent DNA repair processes. BioEssays 10, 12-16 (1989).
30. T.V. Wang and K.C. Smith, Discontinuous DNA Replication in a *lig-7* Strain of *Escherichia coli* Is Not the Result of Mismatch Repair, Nucleotide-excision Repair, or the Base-excision Repair of DNA Uracil. Biochem. Biophys. Res. Commun. 165, 685-688 (1989).
31. T.V. Wang, M.V.V.S. Madiraju, A. Templin , A.J. Clark, Cloning , Preliminary Characterization of *srf-2020* and *srf-801*, the *recF* Partial Suppressor Mutations Which Map in *recA* of *Escherichia coli* K-12. Biochimie 73, 335-340 (1991)
32. T.V. Wang. A Simple Convenient Biological Dosimeter for Monitoring Solar UV-B Radiation. Biochem. Biophys. Res. Commun. 177, 48-53 (1991).
33. T.V. Wang ,H.Y. Chang, Effect of *rec* Mutations on Viability and Processing of DNA damaged by Methylmethane Sulfonate in *xth nth nfo* Cells of *Escherichia coli*. Biochem. Biophys. Res. Commun. 180, 774-781 (1991).
34. T.V. Wang, S.H. Chen, Similar-sized Daughter-strand Gaps Are Produced in the Leading and Lagging Strands of DNA in UV-irradiated *E. coli uvrA* Cells. Biochem. Biophys. Res. Commun. 184, 1496-1503 (1992).
35. T.V. Wang, H.Y. Chang and J.L. Hung. Cosuppression of *recF*, *recR* and *recO*

- Mutations by Mutant *recA* Alleles in *Escherichia coli* Cells. Mutat. Res. 294, 157-166 (1993).
36. Y.C. Tseng, J.L. Hung , T.V. Wang. Involvement of RecF pathway recombination genes in postreplication repair in UV-irradiated *Escherichia coli* cells. Mutat. Res. 315, 1-9 (1994).
 37. T.V. Wang , S.H. Chen. Okazaki DNA fragments contain equal amounts of lagging-strand and leading-strand sequences. Biochem. Biophys. Res. Commun. 198, 844-849 (1994).
 38. C.L. Yang, Y.H. Liu, T.V. Wang. Overexpression of the natural *recO* sequence and its effects on DNA repair of *Escherichia coli*. Mutat. Res. 362, 21- 28 (1996).
 39. T.V. Wang, B. Saint Phalle, K.L. Millman, and R.G. Fowler;The ultraviolet-sensitizing function of plasmid R391 interferes with a late step of postreplication repair in *Escherichia coli*. Mutat. Res. 362, 219-226 (1996).
 40. A. J. Cheng, S. K. Liao, S. E. Chow, J. K. Chen, T. V. Wang . Differential inhibition of telomerase activity in hematopoietic, melanoma and glioma cells in culture. Biochem. Biophys. Res. Commun. 237,438-444 (1997).
 41. W. C. Ku, A. J. Cheng, T. V. Wang. Inhibition of telomerase activity by PKC inhibitors in human nasopharyngeal cancer cells in culture. Biochem. Biophys. Res. Commun. 241,730-736 (1997).
 42. A.J.Chen, R.Tang, J.Y.Wang, L.C.See, T.V.Wang.Possible role of telomerase activation in the cancer predisposition of patients with hereditary nonpolyposis colorectal cancers. J. Natl. Cancer Inst. 90, 316-321 (1998).
 43. Y. H. Liu, A. J. Cheng , T.V. Wang. Involvement of *recF*, *recO*, and *recR* genes in UV-radiation mutagenesis of *Escherichia coli*. J. Bacteriol. 180, 1766-1770 (1998).
 44. R Tang,, A.J.Cheng, J.Y. Wang, T.V.Wang. Close correlation between telomerase expression and adenomatous polyp progression in multistep colorectal carcinogenesis. Cancer Res. 56, 4052-4054 (1998).
 45. Cheng A.J., Lin J.D., Chang J.T., Wang T.V. Telomerase activity in benign and malignant human thyroid tissues. Brit. J. Cancer. 77, 2177-2180(1998).
 46. A.J.Cheng , R. Tang , J.Y. Wang , J.T. Chang , T.V.Wang. Polymerase Chain Reaction-based Enzyme Immunoassay for Quantitation of Telomerase Activity: Application to Colorectal Cancers. Jpn. J. Cancer. Res. 90, 280-285(1999).
 47. J.T. Chang , C.T. Liao, S.M. Jung, T.V. Wang, L.C . See, A.J. Cheng. Telomerase activity is frequently found in metaplastic and malignant human

- nasopharyngeal tissues. Br. J. Cancer 82, 1946-1951(2000).
48. C.C.Yu, S.C.Lo, T.V. Wang. Telomerase is regulated by protein kinase C- ζ in human nasopharyngeal cancer cells. Biochem. J. 355, 459-464(2001).
 49. W.Y.Sheng, , Y.L.Chien , T. V.Wang The dual role of protein kinase C in the regulation of telomerase activity in human lymphocytes..FEBS Letters 540, 91-95(2003).
 50. Y.M Yeh., Y.T.Pan , T.V.Wang. Cdc42/Rac1 participates in the control of telomerase activity in human nasopharyngeal cancer cells. Cancer Letters. 218, 207-213(2005).
 51. T. V. Wang. Discontinuous or semi-discontinuous DNA replication in Escherichia coli ? BioEssays.27, 633-636(2005).
 52. P.R. Huang , Y.M.Yeh, T. V.Wang. Potent inhibition of human telomerase by helenalin. Cancer Letters.227, 169-174(2005).
 53. J.T.Chang , H.T. Tang , T.C.Wang , A.J.Cheng. Upstream stimulatory factor(USF) as a transcriptional suppressor of human telomerase reverse transcriptase(hTERT) in oral cancer cells. Molecular Carcinogenesis.44,183-192 (2005).
 54. Y.J.Chen, W.Y Sheng., P.R.Huang, T.V.Wang. Potent inhibition of human telomerase by U-73122. Journal of biomedical Science.13, 667-674(2006).
 55. Heng, S.W., Chen, Y.R. , Wang, T.V. A major role of PKC θ and NF κ B in the regulation of hTERT in human Tlymphocytes. FEBS.Letters.580, 6819-6824(2006).
 56. Huang, P.R., Tsai, S.T., Hsieh, K.H., Wang, T.V.* Heterogeneous nuclear ribonucleoprotein A3 binds single-stranded telomeric DNA and inhibits telomerase extension *in vitro*. Biochim Biophys Acta. 1783:193-202.(2008)
 57. Wu, Y.H., Cheng, M.L., Ho, H.Y., Chiu, Wang, T.V.* Telomerase prevents accelerated senescence in glucose-6-phosphate dehydrogenase (G6PD)-deficient human fibroblasts. J. Biomed. Sci. 16:18(2009)
 58. Sheng,W.Y., Wang,T.V.* Proteomic analysis of the differential proteinexpression reveals nuclear GAPDH in activated T lymphocytes. PLoS ONE 4(7):e6322.(2009)
 59. Chen, Y.Y, Huang H., Wang, T.V.* PriA participates in nascent DNA synthesis in *Escherichia coli*. Mol. Biol. Rep. 37:3165-3170 (2010)
 60. Huang, P.R., Hung, S.C., Wang, T.V.* Telomeric DNA-binding activities of heterogeneous nuclear ribonucleoprotein A3 *in vitro and in vivo*. Biochim Biophys Acta.1803:1164-1174(2010)

61. Wang, T.V.* Chen, Y.Y., Huang, H., PriA participates in nascent DNA synthesis in *Escherichia coli*. Mol Biol Rep 37:3165-3170(2010)
62. Huang, P.R., Yeh, Y.M., Pao, C.C., Chen, C.Y., Wang, T. V. * N-(1-Pyrenyl) maleimide inhibits telomerase activity in a cell free system and induces apoptosis in jurkat cells Mol Biol Rep 39:8899-8905(2012)
63. Yeh, Y.M., Huang, K.Y., Gan, R.R., Huang, H.D., Wang, T. V., Tang, P.* Phosphoproteome Profiling of the sexually transmitted pathogen *Trichomonas vaginalis* Journal of Microbiology Immunology and Infection 46:366-373.(2013)
64. Yeh, Y.M. ; chen, C.Y. ; Huang, P.R. ; Hsu, C.W.; Wu, C.C. ; Wang, T.C.V.*
Proteomic analyses of genes regulated by heterogeneous nuclear ribonucleoproteins A/Bs in Jurkat cells. Proteomics. 14:1357-1366.(2014)
65. Chen, C.Y. ; Yan, S.C. ; Lee, K.H. ; Yang, X.M. ; Wei, L.Y. ; Chow, L.P. ; Wang, T.C.V. ; Hong, T.M. ; Lin, J.C. ; Kuan, C. ; Yang, P.C.*The Antitumor Agent PBT-1 Directly Targets HSP90 and hnRNP A2/B1 and Inhibits Lung Adenocarcinoma Growth and Metastasis. Journal of medicinal chemistry. 57:677-685.(2014)