

吳彰哲

著作目錄

期刊論文

1. Huang, T. H., B. H. Liu, C. H. Hsu, C. J. Wu, K. W. Liao, C. S. Lin*, and Y. L. Chan* (2023, Dec). The synergistic effects of *Corbicula fluminea* and *Sarcodia montagneana* on alleviating systemic inflammation and osteoarthritis progression. *Antioxidants*, 12, 2068. (SCI, 13/142, FOOD SCIENCE & TECHNOLOGY).
2. Li, L., Z. Xu, R. Cao, J. Li, C. J. Wu, Y. Wang, and H. Zhu* (2023, Jun). Effects of hydroxyl group in cyclo(Pro-Tyr)-like cyclic dipeptides on their anti-QS activity and self-assembly. *iScience*, 26, 107048. (SCI, 15/73, MULTIDISCIPLINARY SCIENCES).
3. Wang X, Zheng H, Wu Y, Sun H, Chang A, Zhou Z, Bao W, Li C, Zhang D, Wu CJ, Zhu A, Zhu H* (2023, Jun). Cyclodextrin-modified amphiphilic microgel with bifunctional domains for infected wound healing via photothermal antibacterial therapy and nitric oxide release. *ACS Applied Materials & Interfaces*, 15, 27548-27559. (SCI, 55/344, MATERIALS SCIENCE, MULTIDISCIPLINARY).
4. Zheng, Y., S. Chen, K. Mao, X. Zhu, M. Jiang, C. J. Wu, J. Lu, and H. Zhu* (2023, Jun). de Novo-designed antimicrobial peptides with broad-spectrum antimicrobial potency and rapid wound disinfection. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 667, 131355. (SCI, 58/161, CHEMISTRY, PHYSICAL).
5. Lin, H. Y., K. L. Luo, J. Y. Mao, C. J. Lin, C. Y. Wang, L. Panny, S. Y. Chen, S. C. Lin*, C. C. Huang, S. G. Harroun, R. Y. L. Wang, and C. J. Wu* (2023, May). In situ derived sulfated/sulfonated carbon nanogels with multi-protective effects against influenza a virus. *Chemical Engineering Journal*, 458, 141429. (SCI, 5/142, ENGINEERING, CHEMICAL). 本人為通訊作者。
6. Zheng, Y., K. Mao, S. Chen, X. Zhu, M. Jiang, C. J. Wu, and H. Zhu*. (2023, Apr). Identification of heterochirality-mediated stereochemical interactions in peptide architectures. *Colloids and Surfaces B: Biointerfaces*, 224, 113200. (SCI, 9/70, BIOPHYSICS).
7. Chang, A., Z. Ye, Z. Ye, J. Deng, J. Lin, C. J. Wu, and H. Zhu* (2022, Sep). Citric acid crosslinked sphingan WL gum hydrogel films supported ciprofloxacin

- for potential wound dressing application. *Carbohydrate Polymers*, 291, 119520. (SCI, 2/52, CHEMISTRY, ORGANIC).
8. Lin, H. Y., Y. T. Zeng, C. J. Lin, S. G. Harroun, A. Anand, L. Chang, C. J. Wu*, H. J. Lin, and C. C. Huang* (2022, Sep). Partial carbonization of quercetin boost the antiviral activity against H1N1 influenza A virus. *Journal of Colloid and Interface Science*, 622, 481-493. (SCI, 29/161, CHEMISTRY, PHYSICAL). 本人為通訊作者.
 9. Wang, Y., L. Pan, L. Li, R. Cao, Q. Zheng, Z. Xu, C. J. Wu, and H. Zhu* (2022, Aug). Glycosylation increases the anti-QS as well as anti-biofilm and anti-adhesion ability of the cyclo (L-Trp-L-Ser) against *Pseudomonas aeruginosa*. *European Journal of Medicinal Chemistry*, 238, 114457. (SCI, 7/60, CHEMISTRY, MEDICINAL).
 10. Feria, D. N., F. H. Hsu, Y. C. Chan, B. R. Chen, C. J. Wu*, and T. Y. Lin* (2022, Mar). The dual-detection mode and improved photoresponse of IGZO-based photodetectors by interfacing with water-soluble biomaterials. *Nanotechnology*, 33, 245203. (SCI, 170/344, MATERIALS SCIENCE, MULTIDISCIPLINARY). 本人為通訊作者.
 11. Chen, B. R., W. M. Li, T. L. Li, Y. L. Chan*, and C. J. Wu* (2022, Jan). Fucoidan from *Sargassum hemiphyllum* inhibits infection and inflammation of *Helicobacter pylori*. *Scientific reports*, 33, 24. (SCI, 22/73, MULTIDISCIPLINARY SCIENCES). 本人為通訊作者.
 12. Chen, B. R., K. T. Hsu, T. L. Li, Y. L. Chan*, and C. J. Wu* (2021, Dec). Topical application of fucoidan derived from *Cladosiphon okamuranus* alleviates atopic dermatitis symptoms through immunomodulation. *International Immunopharmacology*, 2021, 108362. (SCI, 44/278, PHARMACOLOGY & PHARMACY). 本人為通訊作者.
 13. Chen, B. R., K. T. Hsu, W. H. Hsu, B. H. Lee, T. L. Li, Y. L. Chan*, and C. J. Wu* (2021, Oct). Immunomodulation and mechanisms of fucoidan from *Cladosiphon okamuranus* ameliorates atopic dermatitis symptoms. *International Journal of Biological Macromolecules*, 189, 537-543. (SCI, 5/86, POLYMER SCIENCE). 本人為通訊作者.
 14. Yang, C. C., C. J. Wu, C. Y. Chien, and C. T. Chien* (2021, Jun). Green tea polyphenol catechins inhibit coronavirus replication and potentiate the adaptive immunity and autophagy-dependent protective mechanism to improve acute lung injury in mice. *Antioxidants*, 10, 928. (SCI, 13/142, FOOD SCIENCE & TECHNOLOGY).
 15. Wang, H.*, S. Hsia, T. H. Wu, and C. J. Wu* (2021, May). Fish oil, Se yeast, and micronutrient-enriched nutrition as ad-juvant treatment during target therapy in a

- murine model of lung cancer. *Marine Drugs*, 19, 262. (SCI, 50/278, PHARMACOLOGY & PHARMACY). 本人為通訊作者。
16. Lin, K. H., S. Y. Lyu, H. W. Yeh, Y. S. Li, N. S. Hsu, C. M. Huang, Y. L. Wang, H. W. Shih, Z. C. Wang, C. J. Wu, and T. L. Li* (2020, Oct). Structural and chemical trapping of flavin-oxide intermediates reveals substrate-directed reaction multiplicity. *Protein Science*, 29, 1655-1666. (SCI, 36/285, BIOCHEMISTRY & MOLECULAR BIOLOGY).
 17. Liu, Y. M., T. H. Wu, Y. H. Chiu, H. Wang, T. L. Li, S. Hsia, Y. L. Chan*, and C. J. Wu* (2020, Aug). Positive effects of preventive nutrition supplement on anticancer radiotherapy in lung cancer bearing mice. *Cancers*, 12, E2445. (SCI, 72/241, ONCOLOGY). 本人為通訊作者。
 18. Adhikari, K., I W. Lo, C. L. Chen, Y. L. Wang, K. H. Lin, S. MalekZadeh, R. Rattinam, Y. S. Li, C. J. Wu, and T. L. Li* (2020, Apr). Chemoenzymatic synthesis and biological evaluation for bioactive molecules derived from bacterial benzoyl coenzyme a ligase and plant type III polyketide synthase. *Biomolecules*, 10, 738. (SCI, 70/285, BIOCHEMISTRY & MOLECULAR BIOLOGY).
 19. Zhong, R., X. Wan, D. Wang, C. Zhao*, D. Liu, L. Gao, M. Wang, C. J. Wu, S. M. Nabavid, M. Daglia, E. Capanoglu, J. Xiao*, and H. Cao* (2020, Mar). Polysaccharides from marine Enteromorpha: structure and function. *Trends in Food Science & Technology*, 19, 11-20. (SCI, 2/142, FOOD SCIENCE & TECHNOLOGY).
 20. Wu, Y., H. Jiang, J. S. Lin, J. Liu, C. J. Wu*, and R. Xu* (2020, Jan). Antioxidant, hypolipidemic and hepatic protective activities of polysaccharides from *Phascolosoma esculenta*. *Marine Drugs*, 18, 158. (SCI, 50/278, PHARMACOLOGY & PHARMACY). 本人為通訊作者。
 21. Wu, T. H., K. Y. Yeh, C. H. Wang, H. Wang, T. L. Li, Y. L. Chan*, and C. J. Wu* (2019, Nov). The combination of *Astragalus membranaceus* and *Angelica sinensis* inhibits lung cancer and cachexia through its immunomodulatory function. *Journal of Oncology*, 2019, 9206951. (SCI, 113/245, ONCOLOGY). 本人為通訊作者。
 22. Huang, T. H., T. H. Wu, Y. H. Guo, T. L. Li, Y. L. Chan*, and C. J. Wu* (2019, Oct). The concurrent treatment of *Scutellaria baicalensis* Georgi enhances the therapeutic efficacy of cisplatin but also attenuates chemotherapy-induced cachexia and acute kidney injury. *Journal of Ethnopharmacology*, 243, 112075. (SCI, 29/239, PLANT SCIENCES). 本人為通訊作者。
 23. Lyu, S. Y., K. H. Lin, H. W. Yeh, Y. S. Li, C. M. Huang, Y. L. Wang, H. W. Shih, N. S. Hsu, C. J. Wu, and T. L. Li* (2019, Oct). The flavin mononucleotide

- cofactor in α -hydroxyacid oxidases exerts its electrophilic/nucleophilic duality in control of the substrate-oxidation level. *Acta Crystallographic. Section D, Structural Biology*, 75, 918-929. (SCI, 11/26, CRYSTALLOGRAPHY).
24. Shi, X., C. Xu, C. J. Wu, X. Wu, B. Zhang, X. Tang, L. Luo, and Y. H. Chen* (2019, Oct). A flavone C-Glycoside from *Styela plicata*. *Biochemical Systematics and Ecology*, 86, 103924. (SCI, 125/171, ECOLOGY).
 25. Chen, Y. H., P. Chen, Y. Wang, C. H. Yang, X. Wu, C. J. Wu, L. Luo, Q. Wang, C. Niu, and J. Y. Yao (2019, Sep). Structural characterization and anti-inflammatory activity evaluation of chemical constituents in the extract of *Trifolium repens* L. *Journal of Food Biochemistry*, 43, e12981. (SCI, 48/142, FOOD SCIENCE & TECHNOLOGY).
 26. Liu, Y. M., Y. L. Chan, T. H. Wu, T. L. Li, S. Hsia, Y. H. Chiu*, and C. J. Wu (2019, Aug). Antitumor, inhibition of metastasis and radiosensitizing effects of total nutrition formula on Lewis tumor-bearing mice. *Nutrients*, 11, 1944. (SCI, 17/88, NUTRITION & DIETETICS). 本人為通訊作者。
 27. Yeh, H. W., K. H. Lin, S. Y. Lyu, Y. S. Li, C. M. Huang, Y. L. Wang, H. W. Shih, N. S. Hsu, C. J. Wu, and T. L. Li* (2019, Aug). Biochemical and structural explorations of α -hydroxyacid oxidases reveal a four-electron oxidative decarboxylation reaction. *Acta Crystallographic. Section D, Structural Biology*, 75, 733-742. (SCI, 11/26, CRYSTALLOGRAPHY).
 28. Zhuang, L., B. Lin, L. Xu, G. Li, C. J. Wu, and L. Luo* (2019, Apr). *Erythrobacter spongiae* sp. nov., isolated from marine sponge. *International Journal of Systematic and Evolutionary Microbiology.*, 69, 1111-1116. (SCI, 106/136, MICROBIOLOGY).
 29. Huang, C. M., S. Y. Lyu, K. H. Lin, C. L. Chen, M. H. Chen, H. W. Shih, N. S. Hsu, I. W. Lo, Y. L. Wang, Y. S. Li, C. J. Wu, and T. L. Li* (2019, Mar). Teicoplanin reprogrammed with the N-acyl-Glc pharmacophore at the penultimate residue of aglycone acquires broad-spectrum antimicrobial activities effectively killing Gram-(+/-) pathogens. *ACS Infectious Disease*, 5, 430-442. (SCI, 15/60, CHEMISTRY, MEDICINAL).
 30. Cui, P., W. Shao, C. Huang, C. J. Wu, B. Jiang, and D. Lin* (2019, Jan). Metabolic derangements of skeletal muscle from a murine model of glioma cachexia. *Skeletal Muscle*, 9, 3. (SCI, 80/191, CELL BIOLOGY).
 31. Sung, W. C.*, C. J. Wu, C. L. Pan, and Y. C. Lin (2018, Dec). Effect of different algal lees on physicochemical qualities of baked potato chips. *Journal of Marine Science and Technology*, 26, 258-263. (SCI, 87/90, ENGINEERING, MULTIDISCIPLINARY).
 32. Hsu, W. T., S. Y. Ho, T. Y. Jian, H. N. Huang, Y. L. Lin, C. H. Chen, T. H. Lin,

- M. S. Wu, C. J. Wu, Y. L. Chan*, and K. W. Liao* (2018, Jun). Helicobacter pylori-derived heat shock protein 60 increases the induction of regulatory T-cells associated with persistent infection. *Microbial Pathogenesis*, 119, 152-161. (SCI, 61/135, MICROBIOLOGY).
33. Hsu, N. S., Y. L. Wang, K. H. Lin, C. F. Chang, S. Y. Lyu, L. J. Hsu, Y. C. Liu, C. Y. Chang, C. J. Wu, and T. L. Li* (2018, Feb). The mesomeric effect of thiazolium on non-Kekulé diradicals in *Pichia stipitis* transketolase. *Angewandte Chemie-International Edition*, 57, 1802-1807. (SCI, 13/178, CHEMISTRY, MULTIDISCIPLINARY).