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一、期刊論文

1. Wu S, Huang C, Chen YR, **Huang CH**, Huang WC, Lai YH*. Momordica charantia leaf extract reduces hepatic lipid accumulation and diet-induced dyslipidemia in zebrafish through lipogenesis and beta-oxidation. Journal of Functional Foods. Volume 87, December 2021, 104857. (SCI)
2. Huang C, Lin ZJ, Lee CJ, Lai WH, Chen JC, **Huang HC***. ε-Viniferin and α-viniferin alone or in combination induced apoptosis and necrosis in osteosarcoma and non-smallcell lung cancer cells. Food Chem Toxicol. 2021 Oct 30;158:112617. (SCI)
3. Huang H, **Huang HC**, Chiou WC, Lin LC, Chen JC, Liu HK, Lai YH, and Huang C *. (2021) Ergosterol peroxide inhibits HBV infection by inhibiting the binding of the pre-S1 domain of LHBsAg to NTCP. **Antiviral Res.** 2021 Oct 7;195:105184. (SCI) co-first author
4. Lee IN, Yang JT, Huang C, **Huang HC**, Wu YP, Chen JC. Elevated XRCC5 expression level can promote temozolomide resistance and predict poor prognosis in glioblastoma. ONCOLOGY LETTERS, 2021, 21: 443. (SCI)
5. **Huang HC**, Chen CJ, Lai YH, Lin YC, Chiou WC, Lu HF, Chen YF, Chen YH, Huang C *. Momordica cochinchinensis Aril Ameliorates Diet-induced Metabolic Dysfunction and Nonalcoholic Fatty Liver by Modulating Gut Microbiota. **Int J Mol Sci.** 2021 Mar; 22(5): 2640. (SCI)

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9. Chiang H, Lu HF, Chen JC, Chen YH, Sun HT, **Huang HC**, Tien HH, Huang C. Adlay Seed (*Coix lacryma-jobi* L.) Extracts Exhibit a Prophylactic Effect on Diet-Induced Metabolic Dysfunction and Nonalcoholic Fatty Liver Disease in Mice. **Evid Based Complement Alternat Med.** 2020 May 29;2020:9519625. **(SCI)**
10. Lee IN, Yang JT, Hsieh MJ, Huang C, **Huang HC**, Ku YJ, Wu YP, Huang KC, Chen JC. Knockdown of Amphiregulin Triggers Doxorubicin-Induced Autophagic and Apoptotic Death by Regulating Endoplasmic Reticulum Stress in Glioblastoma Cells. **J Mol Neurosci.** 2020 ;70(10):1461-1470. **(SCI)**
11. Huang C, Lu HF, Chen YH, Chen JC, Chou WH, **Huang HC***. Curcumin, demethoxycurcumin, and bisdemethoxycurcumin induced caspase-dependent and -independent apoptosis via Smad or Akt signaling pathways in HOS cells. **BMC Complement Med Ther.** 2020 Mar 3;20(1):68. **(SCI)**
12. Hsieh MJ, Huang C, Lin CC, Tang CH, Lin CY, Lee IN, **Huang HC**, and Chen JC*. Basic fibroblast growth factor promotes doxorubicin resistance in chondrosarcoma cells by affecting XRCC5 expression. **Molecular Carcinogenesis** 2020 Mar;59(3):293-303. **(SCI)**
13. Chang TC, Chiang H, Lai YH, Huang YL, **Huang HC**, Liang YC, Liu HK, and Huang C*. *Helminthostachys zeylanica* alleviates hepatic steatosis and insulin resistance in diet-induced obese mice. **BMC Complementary and Alternative Medicine** 2019 Dec 13;19(1):368. **(SCI)**
14. Chiang H, Lee JC, **Huang HC**, Huang H, Liu HK, and Huang C*. (2019) Delayed intervention with a novel SGLT2 inhibitor NGI001 suppresses diet-induced metabolic dysfunction and nonalcoholic fatty liver disease in mice. **British Journal of Pharmacology.** 2020 Jan;177(2):239-253. **(SCI)**

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24. Huang C, Wei YX, Shen MC, Tu YH, Wang CC, **Huang HC***. Chrysin, abundant in Morinda Citrifolia fruit water-EtOAc extracts, combined with apigenin synergistically induced apoptosis and inhibited migration in human

- breast and liver cancer cells. **J Agric Food Chem.** 2016 Jun 1;64 (21):4235-45. **(SCI)**
25. Huang C, Lu CK, Tu MC, Chang JH, Chen YJ, Tu YH, and **Huang HC** *. Polyphenol-rich *Avicennia marina* leaf extracts induce apoptosis in human breast and liver cancer cells and in a nude mouse xenograft model. **Oncotarget.** 2016 Jun 14;7(24):35874-35893.
 26. Cheng-Chung Wei J, **Huang HC**, Chen WJ, Huang CN, Peng CH, Lin CL. Epigallocatechin gallate attenuates amyloid β -induced inflammation and neurotoxicity in EOC 13.31 microglia. **Eur J Pharmacol.** 2016 Jan 5;770: 16-24. **(SCI)**
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 29. **Huang HC**, Tao MH, Hung TM, Chen JC, Lin ZJ, Huang C*.(-)-Epigallocatechin-3-gallate inhibits entry of hepatitis B virus into hepatocytes. **Antiviral Res.** 2014 Nov;111:100-11. **(SCI)**
 30. Huang C, Lee SY, Lin CL, Tu TH, Chen LH, Chen YJ, **Huang HC***. Effects of co-treatment with quercetin and 1,2,3,4,6-Penta-O-galloyl- β -D-glucose on cell cycle arrest and apoptosis in MDA-MB-231 and AU565 breast cancer cells. **J Agric Food Chem.** 2013 Jul 3; 61(26):6430-45. **(SCI)**
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 32. **Huang HC**, Chen CC, Chang WC, Tao MH, Huang C*. Entry of hepatitis B virus into immortalized human primary hepatocytes by clathrin-dependent endocytosis. **J Virol.** 2012 Sep; 86(17):9443-53. **(SCI)**
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- hyperlipidemia, hyperleptinemia and fatty acid synthase through activating AMPK in rats fed a high-fructose diet. **Food Funct.** 2012 Feb;3(2):170-7. (SCI)
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38. **Huang HC**, Way T D, Lin C L, and Lin J K*. EGCG stabilizes p27kip1 in E2-stimulated MCF-7 cells through down-regulation of the Skp2 protein. **Endocrinology** 149(12): 5972-83. (SCI)
39. **Huang HC**, Huang C Y, Lin-Shiau SY, and Lin J K*., Ursolic acid inhibits IL-1 β or TNF- α induced C6 glioma invasion through suppressing the , **Mol. Carcinog.** 2009 Jun;48(6):517-31. (SCI)
40. Syu K Y, Lin C L, **Huang H C** and Lin J K*. Determination of theanine, GABA, and other amino acids in green, oolong, black and puerh teas with dabsylation and high performance liquid chromatography. **J. Agric. Food chem.** 56(17):7637-43. (SCI)
41. Lin C L, **Huang H C**, and Lin J K*. Theaflavins attenuate hepatic lipid accumulation through activating AMPK in human HepG2 cells. **J. Lipid Res.** 48 (11): 2334-43. (SCI)
42. Chen, YW, **Huang S C**, Lin-Shiau SY, Lin JK*. Bowman-Birk inhibitor abates proteasome function and suppresses the proliferation of MCF7 breast cancer cells through accumulation of MAP kinase phosphatase-1. **Carcinogenesis** 26(7):1296-306. (SCI)
43. **Huang S C**, Ho CT, Lin-Shiau SY, Lin JK*. Carnosol inhibits the invasion of B16/F10 mouse melanoma cells by suppressing metalloproteinase-9 through down-regulating nuclear factor-kappa B and c-Jun. **Biochem Pharmacol.** 69(2):221-32. (SCI)

二、研討會論文

1. **Huang HC***, Huang C Ampelopsin C induce apoptosis in triple negative

- breast cancer cells. International Scientific Conference on Engineering and Applied Sciences, Okinawa, Japan (2018).
2. **Huang HC***, Tu YH, Huang C, Tannic acid and EGCG inhibit epithelial-mesenchymal transition pathway in triple negative breast cancer. 20th World Congress on Clinical Nutrition (WCCN), Bangkok, Thailand (2017).
 3. **Huang HC***, Huang C. Natural Phytochemicals Inhibits Hepatitis B Virus Replication Through Impeding Virus Entry In Normal Liver Cells. Food, Chemical, Biological and Healthcare Sciences (FCBHS-17), Bangkok, Thailand (2017).
 4. **Huang HC***, Huang C, Wei, Man YX, Shen MC. Chrysin, abundant in *Morinda Citrifolia* fruit water-EtOAc extracts, combined with apigenin synergistically induced apoptosis and inhibited migration in human breast and liver cancer cells. The 18th International Congress of Oriental Medicine, Okinawa, Japan. (2016)
 5. Huang XY, **Huang HC***. The Ethanolic Extracts of Swietenia Macrophylla Fruits Induced Cell Death in Human Breast, Melanoma and Lung Cancer Cells The 33th Joint Annual Conference of Biomedical Science. Taipei, Taiwan. (2018)
 6. Wu JC, **Huang HC***. Atractylodes and Atractylodes macrocephala extracts inhibit A2058 melanoma cell metastasis. The 33th Joint Annual Conference of Biomedical Science. Taipei, Taiwan. (2018)
 7. **Hong LS**, Fan YC, Lai WH, Huang C, **Huang HC***. The effect of resveratrol oligomers on transforming growth factor- β - induced epithelial-mesenchymal transition in A549 cancer cells. The 33th Joint Annual Conference of Biomedical Science. Taipei, Taiwan. (2018)
 8. Shen MC, **Huang HC***. The Interactions between Rapamycin and Phytochemicals in Breast Cancer. The 30th Joint Annual Conference of Biomedical Science. Taipei, Taiwan. (2015)
 9. Hui-Kang Liu, **Hsiu-Chen Huang**, I-Jung Lee, Chia-Chuan Chang, and Cheng Huang*. Reduction of Lipid Accumulation in Hepatocytes by Bai-Hu-Jia-Ren-Shen-Tang is Associated with Activation of AMPK. The 17th International Congress of Oriental Medicine (ICOM), Taipei, Taiwan. (2014)
 10. **Hsiu-Chen Huang**, Tzu-Min Hung, Zi-Jun Lin, and Cheng Huang*. Inhibition of hepatitis B virus entry into hepatocyte by (-)-Epigallocatechin-3-gallate. The 17th International Congress of Oriental Medicine (ICOM), Taipei, Taiwan. (2014)

11. Pei-Yun Chuang, **Hsiu-Chen Huang**, and Cheng Huang*. The combination of tamoxifen and doxorubicin synergistically to induce cell cycle arrest in breast cancer cells. The 12th Annual Meeting of Japanese Society of Medical Oncology, Fukuoka, Japan.(2014)
12. Yu Chia Hsiao, **Hsiu-Chen Huang**, and Cheng Huang*. The feasibility of bioactive peptides as anti-hepatitis D virus infection drug. The 29th Joint Annual Conference of Biomedical Science, Taipei, Taiwan.(2014)
13. Yu-Xuan Wei, **Hsiu-Chen Huang***. The Effect of Chrysin Combined with Apigenin in Hepatocellular Carcinoma and Breast Cancer. The 29th Joint Annual Conference of Biomedical Science, Taipei, Taiwan. (2014)
14. **Hsiu-Chen Huang***, Yi Jing Chen and Cheng Huang, Effects of co-treatment with chrysin and 1,2,3,4,6-Penta-O-galloyl- β -D-glucose on cell cycle arrest and apoptosis in breast cancer cells. International Conference on Engineering and Applied Science, P 836, Hong Kong, china. (2013)
15. Jia Hua Chang and **Hsiu-Chen Huang***. Extract of Avicennia marina leaf inhibited proliferation and induced apoptosis in breast cancer cells. 28th Joint Annual Conference of Biomedical Science. P684, Taipei, Taiwan. (2013)
16. 鍾志遠、胡仰霈、**黃琇珍**、杜明進*, 新竹市沿海紅樹林內海茄苳微量重金屬元素含量調查, 2013 環境分析化學研討會, p71, 2013 年
17. **Hsiu-Chen Huang**, and Cheng Huang*. Suppression of Lipopolysaccharide-induced Inflammatory Response by *Solanum nigrum* Leaf Extracts in Macrophages. International Conference of Traditional and Complementary Medicine on Health, Taipei, Taiwan. (2012)
18. **Hsiu-Chen Huang***, Yu-Shu Kuei and Chin –Chih Liu., The Role of quercetin in the treatment of androgen receptor negative prostate cancer cells and estrogen receptor negative breast cancer cells. Natural Anticancer Drugs. P29, Olomouc, Czech Republic. (2012)
19. Suz-Yi Lee, Yu-Shu Kuei and **Hsiu-Chen Huang***. The Synergistic Effect of 1,2,3,4,6-penta-O-galloyl- β -D-glucose and Quercetin Induced Cell Cycle Arrest and Apoptosis in MDA-MB-231 Cells. 27th Joint Annual Conference of Biomedical Science. P031, Taipei, Taiwan. (2012)
20. **Hsiu-Chen Huang*** and Jen- Kun Lin. Anti-inflammatory effects of solanum nigrum linn extracts in murine macrophage raw 264.7 cells. 10th world congress on inflammation. P320 Paris, France. (2011)

三、專利:

1. 黃瑋，蔡耿彰，黃鈺玲，董明兆，黃琇珍，陳旺全/ 錫蘭七指蕨、入地蜈蚣素及黃酮類化合物用於治療或預防新陳代謝疾病之用途/ 發明第 I 621440 號/ 中華民國專利 (2018)
2. 黃瑋，蔡耿彰，黃鈺玲，董明兆，黃琇珍，陳旺全，劉慧康/ 錫蘭七指蕨、入地蜈蚣素及黃酮類化合物用於治療或預防新陳代謝疾病之用途/ I1025-0004-US/ 美國專利 (2019)

四、研究計劃一覽

年度	計畫名稱	擔任之工作	計畫時間	補助/委託機構
108	研究 α -Viniferin和 ϵ -Viniferin在非小細胞肺癌中促炎細胞因子所介導的癌症轉移、上皮-間質轉化和治療耐藥性的影響 計畫編號: MOST 108-2320-B-007-006 -MY3	計畫 主持人	2018年08月 ~2022年07月	科技部
107	大葉桃花心木果實萃取物有效成份分離鑑定、藥物毒性評估、抗癌症上皮-間質轉化及抗藥物化學抗性相關機制探討 計畫編號: MOST 107-2320-B-007-001-	計畫 主持人	2018年08月 ~2019年07月	科技部
106	細本山葡萄萃取之低聚芪類化合物對於乳癌上皮-間質轉換與藥物抗性之機制探討 計畫編號: MOST 106-2320-B-007-003-	計畫 主持人	2017年08月 ~2018年07月	科技部
103	植化物間協同作用對於癌症轉移、上皮-間質轉化、腫瘤幹細胞及腫瘤微環境因子影響相關機制探討 計畫編號: MOST 103-2313-B-134-001 -MY3	計畫 主持人	2014年08月 ~2017年07月	科技部
100	海茄苳萃取物之成分分析與抗癌活性研究	計畫 主持人	2011年08月 ~2014年07月	國科會

	計畫編號: NSC 100-2313-B-134-001-MY3			
99	利用人類乳癌細胞及動物模式觀察 植物化合物抑制 Skp2 表現之研究 計畫編號: NSC 99-2320-B-134-001	計畫 主持人	2010 年 11 月 ~2011 年 07 月	國科會